PS3.16

DICOM PS3.16 ~~2019b~~2019c - Content Mapping Resource

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Table of Contents

Notice and Disclaimer ... 61
Foreword ... 63
1. Scope and Field of Application ... 65
2. Normative References ... 67
3. Definitions ... 73
4. Symbols and Abbreviations ... 75
5. Conventions ... 77
6. Form of Template Specifications ... 79
6.1. Template Table Field Definition ... 80
6.1.1. Row Number ... 81
6.1.2. Nesting Level (NL) ... 81
6.1.3. Relationship With Source Content Item (Parent) ... 81
6.1.4. Value Type (VT) ... 82
6.1.5. Concept Name ... 82
6.1.6. Value Multiplicity (VM) ... 82
6.1.7. Requirement Type ... 82
6.1.8. Condition ... 83
6.1.9. Value Set Constraint ... 83
6.1.9.1. NUM Units Constraint ... 83
6.1.9.2. CONTAINER Continuation Flag Constraint ... 83
6.1.9.3. SCOORD Graphic Type Constraint ... 84
6.2. Special Conventions for Template Tables ... 84
6.2.1. Multiple Value Sets Depending On Different Conditions ... 84
6.2.2. Target Content Items of Relationships ... 84
6.2.3. Inclusion of Templates ... 84
6.2.3.1. Template Parameters ... 84
6.2.4. Post-coordinated Codes and Has Concept Modifier Relationship ... 85
6.2.5. Extension of Templates ... 85
7. DCMR Context Group Specifications ... 87
7.1. Context Group Table Field Definition ... 87
7.2. Special Conventions for Context Group Tables ... 88
7.2.1. Include Context Group ... 88
7.2.2. Units of Measurement ... 88
7.2.3. Extension of Context Groups ... 89
8. Coding Schemes ... 91
8.1. SNOMED CT ... 101
8.1.1. Use of SNOMED Anatomic Concepts ... 102
8.2. ISO_OID ... 102
8.3. Retired Codes and Expected Behavior ... 102
A. Structured Reporting Templates (Normative) ... 103
General Templates. ... 103
TID 300. Measurement ... 103
TID 310. Measurement Properties ... 105
TID 311. Measurement Statistical Properties ... 105
TID 312. Normal Range Properties ... 106
TID 315. Equation or Table ... 106
TID 320. Image or Spatial Coordinates ... 107
TID 321. Waveform or Temporal Coordinates ... 107
TID 350. References to Supporting Evidence ... 108
TID 351. Previous Reports ... 108
TID 400. Reference Location ... 109
TID 1000. Quotation ... 109
TID 1001. Observation Context ... 110
TID 1002. Observer Context ... 111
TID 1003. Person Observer Identifying Attributes ... 111
TID 1004. Device Observer Identifying Attributes ... 112
TID 1005. Procedure Context ... 113

TID 1006. Subject Context 114
TID 1007. Subject Context, Patient 114
TID 1008. Subject Context, Fetus 115
TID 1009. Subject Context, Specimen 116
TID 1010. Subject Context, Device 117
TID 1020. Person Participant 117
TID 1021. Device Participant 118
TID 1200. Language Designation 118
TID 1201. Language of Value 119
TID 1202. Language of Name and Value 119
TID 1204. Language of Content Item and Descendants 120
TID 1210. Equivalent Meaning(s) of Concept Name 120
TID 1211. Equivalent Meaning(s) of Value 121
TID 1350. Negation Modifier, Presence of Finding 122
TID 1400. Linear Measurement 122
TID 1401. Area Measurement 123
TID 1402. Volume Measurement 124
TID 1404. Numeric Measurement 125
TID 1406. Three Dimensional Linear Measurement 126
TID 1410. Planar ROI Measurements and Qualitative Evaluations 126
TID 1411. Volumetric ROI Measurements and Qualitative Evaluations 129
TID 1419. ROI Measurements 132
TID 1420. Measurements Derived From Multiple ROI Measurements 134
TID 1500. Measurement Report 136
TID 1501. Measurement and Qualitative Evaluation Group 139
TID 1502. Time Point Context 142
TID 1600. Image Library 143
TID 1601. Image Library Entry 143
TID 1602. Image Library Entry Descriptors 144
TID 1603. Image Library Entry Descriptors for Projection Radiography 145
TID 1604. Image Library Entry Descriptors for Cross-Sectional Modalities 146
TID 1605. Image Library Entry Descriptors for CT 147
TID 1606. Image Library Entry Descriptors for MR 147
TID 1607. Image Library Entry Descriptors for PET 148
TID 2000. Basic Diagnostic Imaging Report 149
TID 2001. Basic Diagnostic Imaging Report Observations 150
TID 2002. Report Narrative 151
TID 2005. Transcribed Diagnostic Imaging Report 151
TID 2006. Imaging Report With Conditional Radiation Exposure and Protection Information 152
TID 2007. Imaging Procedure Description 154
TID 2008. Radiation Exposure and Protection Information 155
TID 2010. Key Object Selection 155
TID 2020. Spectacle Prescription Report 157
TID 2021. Template for Spectacle Prescription Details 157
TID 2100. Macular Grid Thickness and Volume Report 158
TID 2101. Macular Grid Thickness and Volume Measurement 158
TID 2102. Quality Rating Identification 160
Procedure Log IOD Templates. 161
TID 3001. Procedure Log 161
TID 3010. Log Entry Qualifiers 162
TID 3100. Procedure Action 163
TID 3101. Image Acquisition 164
TID 3102. Waveform Acquisition 165
TID 3103. Referenced Object 165
TID 3104. Consumables 166
TID 3105. Lesion Identification and Properties 166
TID 3106. Drugs/Contrast Administered 167
TID 3107. Device Used 168
TID 3108. Intervention 168
TID 3109. Measurements 169

TID 3110. Impressions or Findings 170
TID 3111. Percutaneous Entry 170
TID 3112. Specimen Obtained 171
TID 3113. Patient Support 171
TID 3114. Patient Assessment 172
TID 3115. ECG ST Assessment 174
Quantitative Ventricular Analysis Report SR IOD Templates. 174
TID 3202. Ventricular Analysis 174
TID 3205. Calibration 176
TID 3206. VA Main Results 177
TID 3207. AA Main Results 181
TID 3208. Frame-to-Frame Results 181
TID 3209. Centerline Wall Motion 182
TID 3210. Radial Based Wall Motion 184
TID 3211. Landmark Based Wall Motion 185
Quantitative Arterial Analysis Report SR IOD Templates. 185
TID 3213. Quantitative Arterial Analysis 186
TID 3214. Analyzed Segment 187
TID 3215. Angiographic Lesion Analysis 189
TID 3216. Stenotic Flow Reserve 193
TID 3217. Sub-segmental Data 194
TID 3218. Position in Arterial Segment 194
TID 3219. Segment Values 195
IVUS Report Templates. 196
TID 3250. IVUS Report 197
TID 3251. IVUS Vessel 197
TID 3252. IVUS Lesion 198
TID 3253. IVUS Measurements 199
TID 3254. IVUS Qualitative Assessments 200
TID 3255. IVUS Volume Measurement 201
Stress Testing Report Templates. 202
TID 3300. Stress Testing Report 202
TID 3301. Stress Test Procedure Description 202
TID 3303. Stress Test Phase Data 204
TID 3304. Stress Test Measurement Group 204
TID 3307. NM/PET Perfusion Measurement Group 207
TID 3309. Stress Echo Measurement Group 209
TID 3311. Stress Test Summary 210
TID 3312. Physiological Summary 211
TID 3313. Stress ECG Summary 212
TID 3317. Stress Imaging Summary 214
TID 3318. Comparison to Prior Stress Exam 215
TID 3320. Conclusions and Recommendations 216
Hemodynamics Report Templates. 216
TID 3500. Hemodynamics Report 217
TID 3501. Hemodynamics Measurement Group 218
TID 3504. Arterial Pressure Measurement 219
TID 3505. Atrial Pressure Measurement 219
TID 3506. Venous Pressure Measurement 220
TID 3507. Ventricular Pressure Measurement 221
TID 3508. Gradient Measurement 222
TID 3509. Blood Velocity Measurement 223
TID 3510. Vital Signs 224
TID 3515. Cardiac Output Measurement by Indicator Dilution 225
TID 3516. Blood Lab Measurements 225
TID 3520. Hemodynamic Clinical Context 226
TID 3521. Relative Time 228
TID 3530. Hemodynamic Acquisition Context 228
TID 3550. Pressure Waveform Measurements 229
TID 3560. Derived Hemodynamic Measurements 230

TID 3570. Summary, Hemodynamics 234
TID 3601. Procedure Context 234
TID 3602. Cardiovascular Patient Characteristics 235
TID 3603. Procedure Environmental Characteristics 236
ECG Report Templates. 236
TID 3700. ECG Report 236
TID 3701. Clinical Context, ECG (Retired) 237
TID 3702. Prior ECG Exam 237
TID 3704. Patient Characteristics for ECG 238
TID 3708. ECG Waveform Information 238
TID 3713. ECG Global Measurements 239
TID 3714. ECG Lead Measurements 240
TID 3715. ECG Measurement Source 241
TID 3717. ECG Qualitative Analysis 241
TID 3718. ECG Interpretive Statement (Retired) 242
TID 3719. Summary, ECG 242
Cath Lab Clinical Report Templates. 242
TID 3800. Cardiac Catheterization Report Root 243
TID 3802. Cardiovascular Patient History 244
TID 3803. Patient Presentation, Cath 247
TID 3806. Cath Procedure 248
TID 3807. Percutaneous Coronary Intervention Procedure 249
TID 3808. Lesion Intervention Information 250
TID 3809. Other Interventional Procedures 251
TID 3810. Cardiac Catheterization Findings 252
TID 3812. Hemodynamic Findings 253
TID 3814. Left Ventriculography Findings 253
TID 3815. Right Ventriculography Findings 255
TID 3816. Ventricular Assessment 255
TID 3817. Coronary Arteriography Findings 256
TID 3818. Other Cardiographic Findings 257
TID 3819. Common Findings 257
TID 3820. Adverse Outcomes, Cath 257
TID 3824. Summary, Cath 258
TID 3828. Discharge Summary, Cath 259
TID 3829. Problem Properties 259
TID 3830. Procedure Properties 260
TID 3831. Medical Device Use 261
CT/MR Cardiovascular Analysis Report Templates. 262
TID 3900. CT/MR Cardiovascular Analysis Report 262
TID 3901. Procedure Summary 262
TID 3902. Vascular Analysis 263
TID 3905. Calcium Scoring Results 268
TID 3906. Vascular Section Measurements 269
TID 3907. Vessel Measurements 270
TID 3908. Vascular Lesion 271
TID 3909. Best Illustration of Findings 273
TID 3910. Flow Quantification 273
TID 3911. Plaque Properties 275
TID 3912. Stenosis Properties 276
TID 3913. Aneurysm Properties 277
TID 3914. Arterial Dissection Properties 277
TID 3915. Vascular Occlusion Properties 278
TID 3916. Stent Properties 278
TID 3917. Aneurysm Measurements 279
TID 3920. Ventricular Analysis 280
TID 3921. Ventricular Measurements 280
TID 3922. Absolute Values of Ventricular Measurements 281
TID 3923. BSA-Normalized Ventricular Measurements 282
TID 3924. Heart Rate-Normalized Ventricular Measurements 284

TID 3925. Ventricular Thickening Analysis 285
TID 3926. Myocardial Perfusion Analysis 286
TID 3927. Report Summary 288
TID 3929. Cardiovascular Analysis Observation Context 288
TID 3990. Two Dimensional Measurement Graph 289
Mammography CAD SR IOD Templates. 290
TID 4000. Mammography CAD Document Root 290
TID 4001. Mammography CAD Overall Impression/Recommendation 292
TID 4002. Mammography CAD Impression/Recommendation Body 293
TID 4003. Mammography CAD Individual Impression/Recommendation 294
TID 4004. Mammography CAD Composite Feature 295
TID 4005. Mammography CAD Composite Feature Body 296
TID 4006. Mammography CAD Single Image Finding 299
TID 4007. Mammography CAD Breast Composition 302
TID 4008. Mammography CAD Breast Geometry 302
TID 4009. Mammography CAD Individual Calcification 303
TID 4010. Mammography CAD Calcification Cluster 303
TID 4011. Mammography CAD Density 304
TID 4012. Mammography CAD Non-lesion 305
TID 4013. Mammography CAD Selected Region 305
TID 4014. CAD Image Quality 306
TID 4015. CAD Detections Performed 307
TID 4016. CAD Analyses Performed 307
TID 4017. CAD Detection Performed 308
TID 4018. CAD Analysis Performed 309
TID 4019. Algorithm Identification 310
TID 4020. CAD Image Library Entry 311
TID 4021. Mammography CAD Geometry 314
TID 4022. CAD Observation Context 314
TID 4023. CAD Operating Points 315
Chest CAD SR IOD Templates. 316
TID 4100. Chest CAD Document Root 316
TID 4101. Chest CAD Findings Summary 318
TID 4102. Chest CAD Composite Feature 318
TID 4103. Chest CAD Composite Feature Body 320
TID 4104. Chest CAD Single Image Finding 321
TID 4105. Chest CAD Descriptors 324
TID 4106. Response Evaluation 325
TID 4107. Chest CAD Geometry 325
TID 4108. Tracking Identifier 326
Colon CAD SR IOD Templates. 326
TID 4120. Colon CAD Document Root 327
TID 4121. Colon CAD Findings Summary 328
TID 4122. CAD Common Image Properties Entry 329
TID 4125. Colon CAD Composite Feature 330
TID 4126. Colon CAD Composite Feature Body 331
TID 4127. Colon CAD Single Image Finding 332
TID 4128. Colon CAD Descriptors 334
TID 4129. Colon CAD Geometry 335
Breast Imaging Report Templates. 336
TID 4200. Breast Imaging Report 337
TID 4201. Breast Imaging Procedure Reported 338
TID 4202. Breast Imaging Report Narrative 339
TID 4203. Breast Imaging Assessment 339
TID 4204. Breast Imaging Report Intervention Section 340
TID 4205. Breast Composition Section 341
TID 4206. Breast Imaging Report Finding Section 342
TID 4207. Breast Imaging Pathology Results 344
TID 4208. Breast Imaging Report Supplementary Data 345
TID 4209. Breast Patient Characteristics 346

OB-GYN Report Templates. 346
TID 5000. OB-GYN Ultrasound Procedure Report 346
TID 5001. OB-GYN Patient Characteristics 348
TID 5002. OB-GYN Procedure Summary Section 348
TID 5003. OB-GYN Fetus Summary 349
TID 5004. Fetal Biometry Ratio Section 349
TID 5005. Fetal Biometry Section 350
TID 5006. Fetal Long Bones Section 351
TID 5007. Fetal Cranium Section 351
TID 5008. Fetal Biometry Group 352
TID 5009. Fetal Biophysical Profile Section 353
TID 5010. Amniotic Sac Section 354
TID 5011. Early Gestation Section 354
TID 5012. Ovaries Section 355
TID 5013. Follicles Section 355
TID 5014. Follicle Measurement Group 356
TID 5015. Pelvis and Uterus Section 356
TID 5016. LWH Volume Group 357
TID 5025. OB-GYN Fetal Vascular Ultrasound Measurement Group 358
TID 5026. OB-GYN Pelvic Vascular Ultrasound Measurement Group 359
Vascular Ultrasound Report Templates. 359
TID 5100. Vascular Ultrasound Report 359
TID 5101. Vascular Patient Characteristics 364
TID 5102. Vascular Procedure Summary Section 364
TID 5103. Vascular Ultrasound Section 364
TID 5104. Vascular Ultrasound Measurement Group 365
TID 5105. Ultrasound Graft Section 366
Echocardiography Procedure Report Templates. 367
TID 5200. Echocardiography Procedure Report 367
TID 5201. Echocardiography Patient Characteristics 369
TID 5202. Echo Section 370
TID 5203. Echo Measurement 371
TID 5204. Wall Motion Analysis 372
TID 5220. Pediatric, Fetal and Congenital Cardiac Ultrasound Reports 374
TID 5221. Cardiac Ultrasound Pediatric Echo Measurement Section 375
TID 5222. Pediatric, Fetal and Congenital Cardiac Ultrasound Section 377
TID 5223. Pediatric, Fetal and Congenital Cardiac Ultrasound Measurement 377
TID 5225. Cardiac Ultrasound Fetal Characteristics 379
TID 5226. Cardiac Ultrasound Summary Section 379
TID 5227. Cardiac Ultrasound Fetal Summary Section 380
TID 5228. Cardiac Ultrasound Fetal Measurement Section 380
Simplified Adult Echocardiography Templates. 381
TID 5300. Simplified Echo Procedure Report 382
TID 5301. Pre-coordinated Echo Measurement 385
TID 5302. Post-coordinated Echo Measurement 386
TID 5303. Adhoc Measurement 390
Implantation Plan SR Document Templates. 390
TID 7000. Implantation Plan 391
TID 7001. Related Implantation Reports 396
Acquisition Context SR IOD Templates. 397
TID 8101. Preclinical Small Animal Image Acquisition Context 397
TID 8110. Biosafety Conditions 400
TID 8121. Animal Housing 400
TID 8122. Animal Feeding 403
TID 8130. Anesthesia 404
TID 8131. Medications and Mixture Medications 406
TID 8140. Heating Conditions 407
TID 8150. Circadian Effects 408
TID 8170. Physiological Monitoring Performed During Procedure 409
TID 8182. Exogenous Substance Administration 409

Relevant Patient Information Templates. ... 411
TID 9000. Relevant Patient Information for Breast Imaging ... 411
TID 9001. Gynecological History ... 412
TID 9002. Medication, Substance, Environmental Exposure ... 414
TID 9003. Previous Procedure ... 415
TID 9004. Indicated Problem ... 416
TID 9005. Risk Factor ... 417
TID 9006. Obstetric History ... 418
TID 9007. General Relevant Patient Information ... 418
X-Ray Radiation Dose SR IOD Templates. ... 420
TID 10001. Projection X-Ray Radiation Dose ... 420
TID 10002. Accumulated X-Ray Dose ... 422
TID 10003. Irradiation Event X-Ray Data ... 425
TID 10003A. Irradiation Event X-Ray Detector Data ... 428
TID 10003B. Irradiation Event X-Ray Source Data ... 428
TID 10003C. Irradiation Event X-Ray Mechanical Data ... 431
TID 10004. Accumulated Fluoroscopy and Acquisition Projection X-Ray Dose ... 432
TID 10005. Accumulated Mammography X-Ray Dose ... 433
TID 10006. Accumulated Cassette-based Projection Radiography Dose ... 433
TID 10007. Accumulated Total Projection Radiography Dose ... 434
CT Radiation Dose SR IOD Templates. ... 435
TID 10011. CT Radiation Dose ... 435
TID 10012. CT Accumulated Dose Data ... 436
TID 10013. CT Irradiation Event Data ... 438
TID 10014. Scanning Length ... 444
TID 10015. CT Dose Check Details ... 446
Radiopharmaceutical Radiation Dose SR IOD Templates. ... 448
TID 10021. Radiopharmaceutical Radiation Dose ... 449
TID 10022. Radiopharmaceutical Administration Event Data ... 449
TID 10023. Organ Dose ... 452
TID 10024. Imaging Agent Administration Patient Characteristics ... 453
Patient Radiation Dose SR IOD Templates. ... 454
TID 10030. Patient Radiation Dose ... 455
TID 10031. Radiation Dose Estimate ... 455
TID 10032. Radiation Dose Estimate Representation ... 456
TID 10033. Radiation Dose Estimate Methodology ... 457
TID 10034. Radiation Dose Estimate Parameters ... 461
Imaging Agent Administration SR IOD Templates. ... 462
Planned Imaging Agent Administration SR IOD Templates. ... 462
TID 11001. Planned Imaging Agent Administration ... 462
TID 11002. Imaging Agent Information ... 463
TID 11003. Imaging Agent Administration Syringe/Pump Phase Activity ... 464
TID 11004. Imaging Agent Component ... 466
TID 11005. Imaging Agent Administration Consumable ... 468
TID 11006. Imaging Agent Administration Steps ... 470
TID 11007. Imaging Agent Administration Step ... 470
TID 11008. Imaging Agent Administration Phase ... 472
Performed Imaging Agent Administration SR IOD Templates. ... 473
TID 11020. Performed Imaging Agent Administration ... 473
TID 11021. Imaging Agent Administration Adverse Events ... 475
TID 11022. Imaging Agent Administration Injector Events ... 476
TID 11023. Imaging Agent Administration Graph ... 477
B. DCMR Context Groups (Normative) ... 479
B.1. Context Groups ... 479
CID 2. Anatomic Modifier ... 479
CID 4. Anatomic Region ... 480
CID 5. Transducer Approach ... 483
CID 6. Transducer Orientation ... 484
CID 7. Ultrasound Beam Path ... 484
CID 8. Angiographic Interventional Devices ... 485

CID 9. Image Guided Therapeutic Procedures 486
CID 10. Interventional Drug 487
CID 11. Route of Administration 488
CID 12. Radiographic Contrast Agent 489
CID 13. Radiographic Contrast Agent Ingredient 491
CID 18. Isotopes in Radiopharmaceuticals 491
CID 19. Patient Orientation 493
CID 20. Patient Orientation Modifier 493
CID 21. Patient Equipment Relationship 494
CID 23. Cranio-Caudad Angulation 494
CID 25. Radiopharmaceuticals 495
CID 26. Nuclear Medicine Projections 498
CID 27. Basic Cardiac Views 499
CID 29. Acquisition Modality 499
CID 30. DICOM Devices 501
CID 31. Abstract Priors 501
CID 32. Non-Acquisition Modality 502
CID 33. Modality 503
CID 42. Numeric Value Qualifier 503
CID 50. Instance Availability Status 504
CID 60. Imaging Agent Administration Adverse Events 504
CID 61. Time Relative to Procedure 505
CID 62. Imaging Agent Administration Phase Type 505
CID 63. Imaging Agent Administration Mode 505
CID 64. Imaging Agent Administration Patient State 506
CID 65. Pre-medication For Imaging Agent Administration 506
CID 66. Medication For Imaging Agent Administration 507
CID 67. Imaging Agent Administration Completion Status 507
CID 68. Imaging Agent Administration Pharmaceutical Unit of Presentation 508
CID 69. Imaging Agent Administration Consumables 508
CID 70. Flush 509
CID 71. Imaging Agent Administration Injector Event Type 509
CID 72. Imaging Agent Administration Step Type 510
CID 73. Bolus Shaping Curves 510
CID 74. Imaging Agent Administration Consumable Catheter Type 510
CID 75. Low-high-equal 510
CID 76. Type of Pre-medication 511
CID 82. Units of Measurement 511
CID 83. Units for Real World Value Mapping 511
CID 84. PET Units 511
CID 85. SUV Units 512
CID 91. Functional Condition Present During Acquisition 513
CID 92. Joint Position During Acquisition 513
CID 93. Joint Positioning Method 514
CID 94. Physical Force Applied During Acquisition 514
CID 100. Quantitative Diagnostic Imaging Procedures 514
CID 210. Qualitative Evaluation Modifier Types 515
CID 211. Qualitative Evaluation Modifier Values 515
CID 212. Generic Anatomic Location Modifiers 515
CID 218. Quantitative Image Features 516
CID 220. Level of Significance 516
CID 221. Measurement Range Concepts 516
CID 222. Normality Codes 517
CID 223. Normal Range Values 517
CID 224. Selection Method 517
CID 225. Measurement Uncertainty Concepts 518
CID 226. Population Statistical Descriptors 518
CID 227. Sample Statistical Descriptors 518
CID 228. Equation or Table 519
CID 230. Yes-No 519

CID 231. Yes-No Only 519
CID 240. Present-Absent 520
CID 241. Present-Absent Only 520
CID 242. Normal-Abnormal 520
CID 244. Laterality 521
CID 245. Laterality with Median 521
CID 246. Relative Laterality 521
CID 247. Laterality Left-Right Only 521
CID 250. Positive-Negative 522
CID 251. Severity of Complication 522
CID 252. S-M-L Size Descriptor 522
CID 270. Observer Type 522
CID 271. Observation Subject Class 523
CID 280. Longitudinal Temporal Event Types 523
CID 300. Multi-energy Relevant Materials 523
CID 301. Multi-energy Material Units 524
CID 400. Audit Event ID 524
CID 401. Audit Event Type Code 525
CID 402. Audit Active Participant Role ID Code 526
CID 403. Security Alert Type Code 526
CID 404. Audit Participant Object ID Type Code 527
CID 405. Media Type Code 527
CID 501. Volumetric View Description 528
CID 502. Volumetric View Modifier 528
CID 601. Biosafety Levels 528
CID 602. Biosafety Control Reasons 529
CID 603. Animal Room Types 529
CID 604. Device Reuse 529
CID 605. Animal Bedding Material 530
CID 606. Animal Shelter Types 530
CID 607. Animal Feed Types 530
CID 608. Animal Feed Sources 531
CID 609. Animal Feeding Methods 531
CID 610. Water Types 532
CID 611. Anesthesia Category Code Type for Small Animal Anesthesia 532
CID 612. Anesthesia Category Code Type from Anesthesia Quality Initiative (AQI) 532
CID 613. Anesthesia Induction Code Type for Small Animal Anesthesia 533
CID 614. Anesthesia Induction Code Type from Anesthesia Quality Initiative (AQI) 533
CID 615. Anesthesia Maintenance Code Type for Small Animal Anesthesia 533
CID 616. Anesthesia Maintenance Code Type from Anesthesia Quality Initiative (AQI) 534
CID 617. Airway Management Method Code Type for Small Animal Anesthesia 534
CID 618. Airway Management Method Code Type from Anesthesia Quality Initiative (AQI) 534
CID 619. Airway Management Sub-Method Code Type for Small Animal Anesthesia 535
CID 620. Airway Management Sub-Method Code Type from Anesthesia Quality Initiative (AQI) 535
CID 621. Type of Medication for Small Animal Anesthesia 535
CID 622. Medication Type Code Type from Anesthesia Quality Initiative (AQI) 536
CID 623. Medication for Small Animal Anesthesia 538
CID 624. Inhalational Anesthesia Agents for Small Animal Anesthesia 538
CID 625. Injectable Anesthesia Agents for Small Animal Anesthesia 539
CID 626. Premedication Agents for Small Animal Anesthesia 540
CID 627. Neuromuscular Blocking Agents for Small Animal Anesthesia 540
CID 628. Ancillary Medications for Small Animal Anesthesia 540
CID 629. Carrier Gases for Small Animal Anesthesia 541
CID 630. Local Anesthetics for Small Animal Anesthesia 541
CID 631. Phase of Procedure Requiring Anesthesia 541
CID 632. Phase of Surgical Procedure Requiring Anesthesia 542
CID 633. Phase of Imaging Procedure Requiring Anesthesia 542
CID 634. Phase of Animal Handling 542
CID 635. Heating Method 543
CID 636. Temperature Sensor Device Component Type for Small Animal Procedures 543

CID 637. Exogenous Substance Types 544
CID 638. Exogenous Substance 544
CID 639. Tumor Graft Histologic Type 544
CID 640. Fibrils 545
CID 641. Viruses 546
CID 642. Cytokines 546
CID 643. Toxins 546
CID 644. Exogenous Substance Administration Sites 546
CID 645. Exogenous Substance Tissue of Origin 547
CID 646. Preclinical Small Animal Imaging Procedures 547
CID 647. Position Reference Indicator for Frame of Reference 548
CID 701. Content Assessment Types 548
CID 702. RT Content Assessment Types 549
CID 703. Basis of Assessment 549
CID 800. Protocol Assertion Codes 549
CID 1000. CT Transverse Plane Reference Basis 550
CID 1001. Anatomical Reference Basis 550
CID 1002. Anatomical Reference Basis - Head 551
CID 1003. Anatomical Reference Basis - Spine 551
CID 1004. Anatomical Reference Basis - Chest 552
CID 1005. Anatomical Reference Basis - Abdomen/Pelvis 553
CID 1006. Anatomical Reference Basis - Extremities 554
CID 1010. Reference Geometry - Planes 554
CID 1011. Reference Geometry - Points 555
CID 1015. Patient Alignment Methods 555
CID 1200. Contraindications For CT Imaging 555
CID 3000. Audio Channel Source 556
CID 3001. ECG Leads 556
CID 3003. Hemodynamic Waveform Sources 559
CID 3004. Arterial Pulse Waveform 560
CID 3005. Respiration Waveform 560
CID 3010. Cardiovascular Anatomic Locations 560
CID 3011. Electrophysiology Anatomic Locations 564
CID 3014. Coronary Artery Segments 565
CID 3015. Coronary Arteries 567
CID 3016. Major Coronary Arteries 567
CID 3019. Cardiovascular Anatomic Location Modifiers 568
CID 3082. Cardiology Units of Measurement (Retired) 568
CID 3083. Units of Radioactivity 569
CID 3090. Time Synchronization Channel Types 569
CID 3101. Cardiac Procedural State Values 569
CID 3102. Rest-Stress 569
CID 3104. Cardiac Synchronization Technique 570
CID 3106. PET Cardiology Protocols 570
CID 3107. PET Cardiology Radiopharmaceuticals 570
CID 3108. NM/PET Procedures 571
CID 3110. Nuclear Cardiology Protocols 571
CID 3111. Nuclear Cardiology Radiopharmaceuticals 572
CID 3112. Attenuation Correction 572
CID 3113. Types of Perfusion Defects 572
CID 3114. Study Quality 573
CID 3115. Stress Imaging Quality Issues 573
CID 3116. NM Extracardiac Findings 573
CID 3117. Attenuation Correction Methods 573
CID 3118. Level of Risk 574
CID 3119. LV Function 574
CID 3120. Perfusion Findings 574
CID 3121. Perfusion Morphology 575
CID 3122. Ventricular Enlargement 575
CID 3200. Stress Test Procedure 575

CID 3201. Indications for Stress Test 575
CID 3202. Chest Pain 576
CID 3203. Exerciser Device 576
CID 3204. Stress Agents 577
CID 3205. Indications for Pharmacological Stress Test 577
CID 3206. Non-invasive Cardiac Imaging Procedures 578
CID 3207. Stress Test Procedure Phases 578
CID 3208. Summary Codes Exercise ECG 578
CID 3209. Summary Codes Stress Imaging 579
CID 3210. Speed of Response 579
CID 3211. BP Response 579
CID 3212. Treadmill Speed 580
CID 3213. Stress Hemodynamic Findings 580
CID 3215. Perfusion Finding Method 580
CID 3217. Comparison Finding 580
CID 3220. Stress Symptoms 581
CID 3221. Stress Test Termination Reasons 581
CID 3227. QTc Measurements 582
CID 3228. ECG Timing Measurements 582
CID 3229. ECG Axis Measurements 583
CID 3230. ECG Findings 583
CID 3231. ST Segment Findings 585
CID 3232. ST Segment Location 585
CID 3233. ST Segment Morphology 585
CID 3234. Ectopic Beat Morphology 586
CID 3235. Perfusion Comparison Findings 586
CID 3236. Tolerance Comparison Findings 586
CID 3237. Wall Motion Comparison Findings 587
CID 3238. Stress Scoring Scales 587
CID 3239. Perceived Exertion Scales 587
CID 3240. Electrophysiology Measurement Functions and Techniques 588
CID 3241. Hemodynamic Measurement Techniques 588
CID 3250. Catheterization Procedure Phase 589
CID 3254. Electrophysiology Procedure Phase 589
CID 3261. Stress Protocols 590
CID 3262. ECG Patient State Values 590
CID 3263. Electrode Placement Values 591
CID 3264. XYZ Electrode Placement Values (Retired) 592
CID 3271. Hemodynamic Physiological Challenges 592
CID 3335. ECG Annotations 593
CID 3337. Hemodynamic Annotations 596
CID 3339. Electrophysiology Annotations 597
CID 3400. Procedure Log Titles 597
CID 3401. Types of Log Notes 597
CID 3402. Patient Status and Events 598
CID 3403. Percutaneous Entry 599
CID 3404. Staff Actions 599
CID 3405. Procedure Action Values 599
CID 3406. Non-coronary Transcatheter Interventions 600
CID 3407. Purpose of Reference to Object 600
CID 3408. Actions With Consumables 600
CID 3409. Administration of Drugs/Contrast 601
CID 3410. Numeric Parameters of Drugs/Contrast 601
CID 3411. Intracoronary Devices 601
CID 3412. Intervention Actions and Status 602
CID 3413. Adverse Outcomes 603
CID 3414. Procedure Urgency 603
CID 3415. Cardiac Rhythms 603
CID 3416. Respiration Rhythms 606
CID 3418. Lesion Risk 606

CID 3419. Findings Titles 606
CID 3421. Procedure Action 606
CID 3422. Device Use Actions 607
CID 3423. Numeric Device Characteristics 607
CID 3425. Intervention Parameters 607
CID 3426. Consumables Parameters 608
CID 3427. Equipment Events 608
CID 3428. Imaging Procedures 608
CID 3429. Catheterization Devices 609
CID 3430. DateTime Qualifiers 609
CID 3440. Peripheral Pulse Locations 610
CID 3441. Patient Assessments 610
CID 3442. Peripheral Pulse Methods 610
CID 3446. Skin Condition 611
CID 3448. Airway Assessment 611
CID 3451. Calibration Objects 611
CID 3452. Calibration Methods 612
CID 3453. Cardiac Volume Methods 612
CID 3455. Index Methods 612
CID 3456. Sub-segment Methods 613
CID 3458. Contour Realignment 613
CID 3460. Circumferential Extent 613
CID 3461. Regional Extent 613
CID 3462. Chamber Identification 614
CID 3463. Ventricle Identification 614
CID 3465. QA Reference Methods 614
CID 3466. Plane Identification 614
CID 3467. Ejection Fraction 615
CID 3468. ED Volume 615
CID 3469. ES Volume 615
CID 3470. Vessel Lumen Cross-sectional Area Calculation Methods 616
CID 3471. Estimated Volumes 616
CID 3472. Cardiac Contraction Phase 616
CID 3480. IVUS Procedure Phases 616
CID 3481. IVUS Distance Measurements 617
CID 3482. IVUS Area Measurements 617
CID 3483. IVUS Longitudinal Measurements 617
CID 3484. IVUS Indices and Ratios 618
CID 3485. IVUS Volume Measurements 618
CID 3486. Vascular Measurement Sites 619
CID 3487. Intravascular Volumetric Regions 619
CID 3488. Min/Max/Mean 619
CID 3489. Calcium Distribution 620
CID 3491. IVUS Lesion Morphologies 620
CID 3492. Vascular Dissection Classifications 621
CID 3493. IVUS Relative Stenosis Severities 621
CID 3494. IVUS Non Morphological Findings 621
CID 3495. IVUS Plaque Composition 622
CID 3496. IVUS Fiducial Points 622
CID 3497. IVUS Arterial Morphology 622
CID 3500. Pressure Units 623
CID 3502. Hemodynamic Resistance Units 623
CID 3503. Indexed Hemodynamic Resistance Units 623
CID 3510. Catheter Size Units 624
CID 3515. Specimen Collection 624
CID 3520. Blood Source Type 624
CID 3524. Blood Gas Pressures 624
CID 3525. Blood Gas Content 625
CID 3526. Blood Gas Saturation 625
CID 3527. Blood Base Excess 626

CID 3528. Blood pH 626
CID 3529. Arterial / Venous Content 626
CID 3530. Oxygen Administration Actions 626
CID 3531. Oxygen Administration 627
CID 3550. Circulatory Support Actions 627
CID 3551. Ventilation Actions 627
CID 3552. Pacing Actions 627
CID 3553. Circulatory Support 628
CID 3554. Ventilation 628
CID 3555. Pacing 628
CID 3560. Blood Pressure Methods 629
CID 3600. Relative Times 629
CID 3602. Hemodynamic Patient State 629
CID 3604. Arterial Lesion Locations 630
CID 3606. Arterial Source Locations 630
CID 3607. Venous Source Locations 632
CID 3608. Atrial Source Locations 633
CID 3609. Ventricular Source Locations 633
CID 3610. Gradient Source Locations 634
CID 3611. Pressure Measurements 634
CID 3612. Blood Velocity Measurements 635
CID 3613. Hemodynamic Time Measurements 635
CID 3614. Valve Areas, Non-mitral 635
CID 3615. Valve Areas 636
CID 3616. Hemodynamic Period Measurements 636
CID 3617. Valve Flows 636
CID 3618. Hemodynamic Flows 637
CID 3619. Hemodynamic Resistance Measurements 637
CID 3620. Hemodynamic Ratios 637
CID 3621. Fractional Flow Reserve 638
CID 3627. Measurement Type 638
CID 3628. Cardiac Output Methods 638
CID 3629. Procedure Intent 639
CID 3630. Cardiovascular Anatomic Locations 640
CID 3640. Hypertension 640
CID 3641. Hemodynamic Assessments 640
CID 3642. Degree Findings 641
CID 3651. Hemodynamic Measurement Phase 641
CID 3663. Body Surface Area Equations 641
CID 3664. Oxygen Consumption Equations and Tables 642
CID 3666. P50 Equations 642
CID 3667. Framingham Scores 643
CID 3668. Framingham Tables 643
CID 3670. ECG Procedure Types 643
CID 3671. Reason for ECG Exam 643
CID 3672. Pacemakers 644
CID 3673. Diagnosis (Retired) 644
CID 3675. Other Filters (Retired) 644
CID 3676. Lead Measurement Technique 644
CID 3677. Summary Codes ECG 645
CID 3678. QT Correction Algorithms 645
CID 3679. ECG Morphology Descriptions (Retired) 645
CID 3680. ECG Lead Noise Descriptions 646
CID 3681. ECG Lead Noise Modifiers (Retired) 646
CID 3682. Probability (Retired) 646
CID 3683. Modifiers (Retired) 646
CID 3684. Trend (Retired) 646
CID 3685. Conjunctive Terms (Retired) 646
CID 3686. ECG Interpretive Statements (Retired) 646
CID 3687. Electrophysiology Waveform Durations 646

CID 3688. Electrophysiology Waveform Voltages 647
CID 3689. ECG Global Waveform Durations 648
CID 3690. ECG Control Variables Numeric 649
CID 3691. ECG Control Variables Text 650
CID 3692. ICDs 650
CID 3700. Cath Diagnosis 651
CID 3701. Cardiac Valves and Tracts 652
CID 3703. Wall Motion 652
CID 3704. Myocardium Wall Morphology Findings 653
CID 3705. Chamber Size 653
CID 3706. Overall Contractility 653
CID 3707. VSD Description 654
CID 3709. Aortic Root Description 654
CID 3710. Coronary Dominance 654
CID 3711. Valvular Abnormalities 655
CID 3712. Vessel Descriptors 655
CID 3713. TIMI Flow Characteristics 656
CID 3714. Thrombus 656
CID 3715. Lesion Margin 656
CID 3716. Severity 657
CID 3717. Myocardial Wall Segments 657
CID 3718. Myocardial Wall Segments in Projection 658
CID 3719. Canadian Clinical Classification 658
CID 3720. Cardiac History Dates (Retired) 659
CID 3721. Cardiovascular Surgeries 659
CID 3722. Diabetic Therapy 659
CID 3723. MI Types 660
CID 3724. Smoking History 660
CID 3726. Indications for Coronary Intervention 660
CID 3727. Indications for Catheterization 661
CID 3728. Cath Findings 661
CID 3729. Admission Status 662
CID 3730. Insurance Payor 663
CID 3733. Primary Cause of Death 663
CID 3735. Acute Coronary Syndrome Time Period 663
CID 3736. NYHA Classification 664
CID 3737. Non-invasive Test - Ischemia 664
CID 3738. Pre-Cath Angina Type 664
CID 3739. Cath Procedure Type 665
CID 3740. Thrombolytic Administration 665
CID 3741. Medication Administration, Lab Visit 665
CID 3742. Medication Administration, PCI 666
CID 3743. Clopidogrel/Ticlopidine Administration 666
CID 3744. EF Testing Method 667
CID 3745. Calculation Method 667
CID 3746. Percutaneous Entry Site 667
CID 3747. Percutaneous Closure 668
CID 3748. Angiographic EF Testing Method 668
CID 3749. PCI Procedure Result 668
CID 3750. Previously Dilated Lesion 668
CID 3752. Guidewire Crossing 669
CID 3754. Vascular Complications 669
CID 3755. Cath Complications 669
CID 3756. Cardiac Patient Risk Factors 670
CID 3757. Cardiac Diagnostic Procedures 671
CID 3758. Cardiovascular Family History 672
CID 3760. Hypertension Therapy 672
CID 3761. Antilipemic Agents 673
CID 3762. Antiarrhythmic Agents 673
CID 3764. Myocardial Infarction Therapies 673

CID 3769. Concern Types ... 673
CID 3770. Problem Status ... 674
CID 3772. Health Status ... 674
CID 3773. Use Status ... 675
CID 3774. Social History ... 675
CID 3777. Implanted Devices ... 675
CID 3778. Stages ... 676
CID 3802. Plaque Structures ... 676
CID 3804. Stenosis Measurement Methods ... 676
CID 3805. Stenosis Types ... 677
CID 3806. Stenosis Shape ... 677
CID 3807. Volume Measurement Methods ... 677
CID 3808. Aneurysm Types ... 678
CID 3809. Associated Conditions ... 678
CID 3810. Vascular Morphology ... 678
CID 3813. Stent Findings ... 679
CID 3814. Stent Composition ... 679
CID 3815. Source of Vascular Finding ... 680
CID 3817. Vascular Sclerosis Types ... 680
CID 3820. Non-invasive Vascular Procedures ... 681
CID 3821. Papillary Muscle Included/Excluded ... 681
CID 3823. Respiratory Status ... 681
CID 3826. Heart Rhythm ... 682
CID 3827. Vessel Segments ... 682
CID 3829. Pulmonary Arteries ... 683
CID 3831. Stenosis Length ... 683
CID 3832. Stenosis Grade ... 683
CID 3833. Cardiac Ejection Fraction ... 683
CID 3835. Cardiac Volume Measurements ... 684
CID 3836. Time-based Perfusion Measurements ... 684
CID 3837. Fiducial Feature ... 684
CID 3838. Diameter Derivation ... 685
CID 3839. Coronary Veins ... 685
CID 3840. Pulmonary Veins ... 685
CID 3843. Myocardial Subsegment ... 686
CID 3850. Contrast Bolus Substance ... 686
CID 4005. Partial View Section for Mammography ... 687
CID 4009. DX Anatomy Imaged ... 687
CID 4010. DX View ... 687
CID 4011. DX View Modifier ... 689
CID 4012. Projection Eponymous Name ... 689
CID 4013. Anatomic Region for Mammography ... 692
CID 4014. View for Mammography ... 692
CID 4015. View Modifier for Mammography ... 693
CID 4016. Anatomic Region for Intra-oral Radiography ... 694
CID 4017. Anatomic Region Modifier for Intra-oral Radiography ... 694
CID 4018. Primary Anatomic Structure for Intra-oral Radiography (Permanent Dentition - Designation of Teeth) ... 695
CID 4019. Primary Anatomic Structure for Intra-oral Radiography (Deciduous Dentition - Designation of Teeth) ... 696
CID 4020. PET Radionuclide ... 697
CID 4021. PET Radiopharmaceutical ... 698
CID 4025. Primary Anatomic Structure for Intra-oral Radiography (Supernumerary Dentition - Designation of Teeth) ... 702
CID 4026. Primary Anatomic Structure for Intra-oral and Craniofacial Radiography - Teeth ... 704
CID 4028. Craniofacial Anatomic Regions ... 705
CID 4029. Dermatology Anatomic Sites ... 706
CID 4030. CT, MR and PET Anatomy Imaged ... 716
CID 4031. Common Anatomic Regions ... 716
CID 4032. MR Spectroscopy Metabolites ... 719
CID 4033. MR Proton Spectroscopy Metabolites ... 720
CID 4040. Endoscopy Anatomic Regions ... 720
CID 4042. XA/XRF Anatomy Imaged ... 722

CID 4050. Drug or Contrast Agent Characteristics 722
CID 4051. General Devices 722
CID 4052. Phantom Devices 722
CID 4100. T1 Measurement Methods 723
CID 4101. Tracer Kinetic Models 723
CID 4102. Perfusion Measurement Methods 723
CID 4103. Arterial Input Function Measurement Methods 724
CID 4104. Bolus Arrival Time Derivation Methods 724
CID 4105. Perfusion Analysis Methods 724
CID 4106. Quantitative Methods used for Perfusion And Tracer Kinetic Models 725
CID 4107. Tracer Kinetic Model Parameters 725
CID 4108. Perfusion Model Parameters 725
CID 4109. Model-Independent Dynamic Contrast Analysis Parameters 726
CID 4110. Tracer Kinetic Modeling Covariates 727
CID 4111. Contrast Characteristics 727
CID 4200. Ophthalmic Imaging Agent 728
CID 4201. Patient Eye Movement Command 728
CID 4202. Ophthalmic Photography Acquisition Device 728
CID 4203. Ophthalmic Photography Illumination 729
CID 4204. Ophthalmic Filter 729
CID 4205. Ophthalmic Lens 730
CID 4206. Ophthalmic Channel Description 730
CID 4207. Ophthalmic Image Position 731
CID 4208. Mydriatic Agent 732
CID 4209. Ophthalmic Anatomic Structure Imaged 732
CID 4210. Ophthalmic Tomography Acquisition Device 733
CID 4211. Ophthalmic OCT Anatomic Structure Imaged 733
CID 4214. Ophthalmic Horizontal Directions 733
CID 4215. Ophthalmic Vertical Directions 734
CID 4216. Ophthalmic Visual Acuity Type 734
CID 4220. Visual Fixation Quality During Acquisition 734
CID 4221. Visual Fixation Quality Problem 735
CID 4222. Ophthalmic Macular Grid Problem 735
CID 4230. Ophthalmic Ultrasound Axial Measurements Type 735
CID 4231. Lens Status 736
CID 4232. Vitreous Status 736
CID 4233. Ophthalmic Axial Length Measurements Segment Names 736
CID 4234. Refractive Surgery Types 737
CID 4235. Keratometry Descriptors 737
CID 4236. IOL Calculation Formula 737
CID 4237. Lens Constant Type 738
CID 4238. Refractive Error Types 738
CID 4239. Anterior Chamber Depth Definition 738
CID 4240. Ophthalmic Measurement or Calculation Data Source 739
CID 4241. Ophthalmic Axial Length Selection Method 739
CID 4242. Cornea Measurement Method Descriptors 739
CID 4243. Ophthalmic Quality Metric Type 740
CID 4244. Ophthalmic Agent Concentration Units 740
CID 4245. Wide Field Ophthalmic Photography Transformation Method 740
CID 4250. Visual Field Static Perimetry Test Patterns 740
CID 4251. Visual Field Static Perimetry Test Strategies 741
CID 4252. Visual Field Static Perimetry Screening Test Modes 742
CID 4253. Visual Field Static Perimetry Fixation Strategy 742
CID 4254. Visual Field Static Perimetry Test Analysis Results 742
CID 4255. Visual Field Illumination Color 743
CID 4256. Visual Field Procedure Modifier 743
CID 4257. Visual Field Global Index Name 743
CID 4260. Ophthalmic Mapping Units for Real World Value Mapping 743
CID 4261. Ophthalmic Mapping Acquisition Method 744
CID 4262. Retinal Thickness Definition 744

CID 4263. Ophthalmic Thickness Map Value Type 744
CID 4264. Ophthalmic Map Purposes of Reference 744
CID 4265. Ophthalmic Thickness Deviation Categories 745
CID 4266. Ophthalmic Anatomic Structure Reference Point 745
CID 4267. Corneal Topography Mapping Units for Real World Value Mapping 746
CID 4268. Corneal Topography Map Value Type 746
CID 4270. OCT-A Processing Algorithm Families 746
CID 4271. En Face Image Types 746
CID 4272. Opt Scan Pattern Types 747
CID 4273. Retinal Segmentation Surfaces 748
CID 5000. Languages 748
CID 5001. Countries 749
CID 5002. Organizations 749
CID 6000. Overall Breast Composition 749
CID 6001. Overall Breast Composition from BI-RADS® 749
CID 6002. Change Since Last Mammogram or Prior Surgery 750
CID 6003. Change Since Last Mammogram or Prior Surgery from BI-RADS® 750
CID 6004. Mammography Characteristics of Shape 750
CID 6005. Characteristics of Shape from BI-RADS® 751
CID 6006. Mammography Characteristics of Margin 751
CID 6007. Characteristics of Margin from BI-RADS® 751
CID 6008. Density Modifier 752
CID 6009. Density Modifier from BI-RADS® 752
CID 6010. Mammography Calcification Types 752
CID 6011. Calcification Types from BI-RADS® 753
CID 6012. Calcification Distribution Modifier 753
CID 6013. Calcification Distribution Modifier from BI-RADS® 754
CID 6014. Mammography Single Image Finding 754
CID 6015. Single Image Finding from BI-RADS® 755
CID 6016. Mammography Composite Feature 755
CID 6017. Composite Feature from BI-RADS® 756
CID 6018. Clockface Location or Region 756
CID 6019. Clockface Location or Region from BI-RADS® 756
CID 6020. Quadrant Location 757
CID 6021. Quadrant Location from BI-RADS® 757
CID 6022. Side 758
CID 6023. Side from BI-RADS® 758
CID 6024. Depth 758
CID 6025. Depth from BI-RADS® 758
CID 6026. Mammography Assessment 759
CID 6027. Assessment from BI-RADS® 759
CID 6028. Mammography Recommended Follow-up 760
CID 6029. Recommended Follow-up from BI-RADS® 760
CID 6030. Mammography Pathology Codes 761
CID 6031. Benign Pathology Codes from BI-RADS® 761
CID 6032. High Risk Lesions Pathology Codes from BI-RADS® 764
CID 6033. Malignant Pathology Codes from BI-RADS® 764
CID 6034. Intended Use of CAD Output 766
CID 6035. Composite Feature Relations 766
CID 6036. Scope of Feature 767
CID 6037. Mammography Quantitative Temporal Difference Type 767
CID 6038. Mammography Qualitative Temporal Difference Type 767
CID 6039. Nipple Characteristic 767
CID 6040. Non-lesion Object Type 768
CID 6041. Mammography Image Quality Finding 768
CID 6042. Status of Results 769
CID 6043. Types of Mammography CAD Analysis 770
CID 6044. Types of Image Quality Assessment 770
CID 6045. Mammography Types of Quality Control Standard 771
CID 6046. Units of Follow-up Interval 771

CID 6047. CAD Processing and Findings Summary 771
CID 6048. CAD Operating Point Axis Label 771
CID 6050. Breast Procedure Reported 772
CID 6051. Breast Procedure Reason 773
CID 6052. Breast Imaging Report Section Title 774
CID 6053. Breast Imaging Report Elements 774
CID 6054. Breast Imaging Findings 775
CID 6055. Breast Clinical Finding or Indicated Problem 775
CID 6056. Associated Findings for Breast 776
CID 6057. Ductography Findings for Breast 776
CID 6058. Procedure Modifiers for Breast 777
CID 6059. Breast Implant Types 777
CID 6060. Breast Biopsy Techniques 778
CID 6061. Breast Imaging Procedure Modifiers 778
CID 6062. Interventional Procedure Complications 779
CID 6063. Interventional Procedure Results 779
CID 6064. Ultrasound Findings for Breast 780
CID 6065. Instrument Approach 780
CID 6066. Target Confirmation 781
CID 6067. Fluid Color 781
CID 6068. Tumor Stages From AJCC 781
CID 6069. Nottingham Combined Histologic Grade 782
CID 6070. Bloom-Richardson Histologic Grade 782
CID 6071. Histologic Grading Method 782
CID 6072. Breast Implant Findings 783
CID 6080. Gynecological Hormones 783
CID 6081. Breast Cancer Risk Factors 784
CID 6082. Gynecological Procedures 784
CID 6083. Procedures for Breast 785
CID 6084. Mammoplasty Procedures 785
CID 6085. Therapies for Breast 785
CID 6086. Menopausal Phase 786
CID 6087. General Risk Factors 786
CID 6088. OB-GYN Maternal Risk Factors 786
CID 6089. Substances 787
CID 6090. Relative Usage, Exposure Amount 788
CID 6091. Relative Frequency of Event Values 788
CID 6092. Quantitative Concepts for Usage, Exposure 788
CID 6093. Qualitative Concepts for Usage, Exposure Amount 788
CID 6094. Qualitative Concepts for Usage, Exposure Frequency 789
CID 6095. Numeric Properties of Procedures 789
CID 6096. Pregnancy Status 789
CID 6097. Side of Family 789
CID 6098. Clinical Course of Disease 790
CID 6099. Racial Group 790
CID 6100. Chest Component Categories 790
CID 6101. Chest Finding or Feature 791
CID 6102. Chest Finding or Feature Modifier 791
CID 6103. Abnormal Lines Finding or Feature 792
CID 6104. Abnormal Opacity Finding or Feature 792
CID 6105. Abnormal Lucency Finding or Feature 793
CID 6106. Abnormal Texture Finding or Feature 793
CID 6107. Width Descriptor 794
CID 6108. Chest Anatomic Structure Abnormal Distribution 794
CID 6109. Radiographic Anatomy Finding or Feature 795
CID 6110. Lung Anatomy Finding or Feature 795
CID 6111. Bronchovascular Anatomy Finding or Feature 796
CID 6112. Pleura Anatomy Finding or Feature 796
CID 6113. Mediastinum Anatomy Finding or Feature 796
CID 6114. Osseous Anatomy Finding or Feature 797

CID 6115. Osseous Anatomy Modifiers 798
CID 6116. Muscular Anatomy 799
CID 6117. Vascular Anatomy 800
CID 6118. Size Descriptor 801
CID 6119. Chest Border Shape 801
CID 6120. Chest Border Definition 802
CID 6121. Chest Orientation Descriptor 802
CID 6122. Chest Content Descriptor 803
CID 6123. Chest Opacity Descriptor 803
CID 6124. Location in Chest 803
CID 6125. General Chest Location 804
CID 6126. Location in Lung 804
CID 6127. Segment Location in Lung 804
CID 6128. Chest Distribution Descriptor 805
CID 6129. Chest Site Involvement 805
CID 6130. Severity Descriptor 806
CID 6131. Chest Texture Descriptor 806
CID 6132. Chest Calcification Descriptor 806
CID 6133. Chest Quantitative Temporal Difference Type 807
CID 6134. Chest Qualitative Temporal Difference Type 807
CID 6135. Image Quality Finding 808
CID 6136. Chest Types of Quality Control Standard 808
CID 6137. Types of CAD Analysis 809
CID 6138. Chest Non-lesion Object Type 809
CID 6139. Non-lesion Modifiers 809
CID 6140. Calculation Methods 810
CID 6141. Attenuation Coefficient Measurements 810
CID 6142. Calculated Value 810
CID 6143. Lesion Response 811
CID 6144. RECIST Defined Lesion Response 811
CID 6145. Baseline Category 811
CID 6146. Time Point Types 812
CID 6147. Response Criteria 812
CID 6151. Background Echotexture 812
CID 6152. Orientation 813
CID 6153. Lesion Boundary 813
CID 6154. Echo Pattern 813
CID 6155. Posterior Acoustic Features 814
CID 6157. Vascularity 814
CID 6158. Correlation to Other Findings 814
CID 6159. Malignancy Type 815
CID 6160. Breast Primary Tumor Assessment From AJCC 815
CID 6161. Clinical Regional Lymph Node Assessment for Breast 816
CID 6162. Assessment of Metastasis for Breast 817
CID 6163. Menstrual Cycle Phase 817
CID 6164. Time Intervals 817
CID 6165. Breast Linear Measurements 818
CID 6166. CAD Geometry Secondary Graphical Representation 818
CID 6200. Colon Overall Assessment 818
CID 6201. Colon Finding or Feature 819
CID 6202. Colon Finding or Feature Modifier 819
CID 6203. Colon Non-lesion Object Type 820
CID 6204. Anatomic Non-colon Findings 820
CID 6205. Clockface Location for Colon 821
CID 6206. Recumbent Patient Orientation for Colon 822
CID 6207. Colon Quantitative Temporal Difference Type 822
CID 6208. Colon Types of Quality Control Standard 822
CID 6209. Colon Morphology Descriptor 822
CID 6210. Location in Intestinal Tract 823
CID 6211. Colon CAD Material Description 823

CID 6212. Calculated Value for Colon Findings 823
CID 6300. Prostate Sector Anatomy 824
CID 6301. Prostate Sector Anatomy from PI-RADS v2 824
CID 6302. Prostate Sector Anatomy from European Concensus 16 Sector (Minimal) Model 826
CID 6303. Prostate Sector Anatomy from European Concensus 27 Sector (Optimal) Model 827
CID 6401. Non-lesion Object Type - Physical Objects 829
CID 6402. Non-lesion Object Type - Substances 829
CID 6403. Non-lesion Object Type - Tissues 830
CID 6404. Chest Non-lesion Object Type - Physical Objects 830
CID 6405. Chest Non-lesion Object Type - Tissues 831
CID 7000. Diagnostic Imaging Report Document Titles 831
CID 7001. Diagnostic Imaging Report Headings 832
CID 7002. Diagnostic Imaging Report Elements 833
CID 7003. Diagnostic Imaging Report Purposes of Reference 833
CID 7004. Waveform Purposes of Reference 833
CID 7005. Contributing Equipment Purposes of Reference 834
CID 7006. SR Document Purposes of Reference 834
CID 7007. Signature Purpose 835
CID 7008. Media Import 835
CID 7009. Purpose of Reference to Predecessor Report 835
CID 7010. Key Object Selection Document Title 836
CID 7011. Rejected for Quality Reasons 837
CID 7012. Best in Set 837
CID 7013. Non-Image Source Instance Purposes of Reference 838
CID 7014. Export Additional Information Document Titles 838
CID 7015. Export Delay Reasons 838
CID 7016. Level of Difficulty 839
CID 7017. Category of Teaching Material - Imaging 839
CID 7018. Miscellaneous Document Titles 839
CID 7019. Segmentation Non-Image Source Purposes of Reference 840
CID 7020. Document Titles 840
CID 7021. Measurement Report Document Titles 840
CID 7022. Radiotherapy Purposes of Reference 840
CID 7023. RT Process Output 841
CID 7024. RT Process Input 841
CID 7025. RT Process Input Used 842
CID 7026. Radiotherapeutic Dose Measurement Devices 842
CID 7027. Segmented Radiotherapeutic Dose Measurement Devices 843
CID 7030. Institutional Departments, Units and Services 843
CID 7035. Actionable Finding Classification 846
CID 7036. Image Quality Assessment 846
CID 7039. Pediatric Size Categories 846
CID 7040. Broselow-Luten Pediatric Size Categories 846
CID 7041. Calcium Scoring Patient Size Categories 847
CID 7042. CMDCTECC Calcium Scoring Patient Size Categories 847
CID 7050. De-identification Method 847
CID 7060. Encapsulated Document Source Purposes of Reference 848
CID 7061. Model Document Titles 848
CID 7062. Purpose of Reference to Predecessor 3D Model 848
CID 7063. Model Scale Units 849
CID 7064. Model Usage 849
CID 7100. RCS Registration Method Type 849
CID 7101. Brain Atlas Fiducials 850
CID 7110. Fiducials Categories 850
CID 7111. Fiducials 850
CID 7112. Radiotherapy Fiducials 851
CID 7140. Brain Structures for Volumetric Measurements 851
CID 7150. Segmentation Property Categories 852
CID 7151. Segmentation Property Types 853
CID 7152. Cardiac Structure Segmentation Types 853

CID 7153. CNS Segmentation Types 854
CID 7154. Abdominal Segmentation Types 856
CID 7155. Thoracic Segmentation Types 856
CID 7156. Vascular Segmentation Types 857
CID 7157. Device Segmentation Types 857
CID 7158. Artifact Segmentation Types 858
CID 7159. Lesion Segmentation Types 858
CID 7160. Pelvic Organ Segmentation Types 859
CID 7161. Physiology Segmentation Types 859
CID 7162. Surface Processing Algorithm Families 859
CID 7165. Abstract Segmentation Types 860
CID 7166. Common Tissue Segmentation Types 860
CID 7167. Peripheral Nervous System Segmentation Types 861
CID 7168. Brain Lesion Segmentation Types With Necrosis 861
CID 7169. Brain Lesion Segmentation Types Without Necrosis 862
CID 7180. Abstract Multi-dimensional Image Model Component Semantics 862
CID 7181. Abstract Multi-dimensional Image Model Component Units 866
CID 7182. Abstract Multi-dimensional Image Model Dimension Semantics 866
CID 7183. Abstract Multi-dimensional Image Model Dimension Units 867
CID 7184. Abstract Multi-dimensional Image Model Axis Direction 867
CID 7185. Abstract Multi-dimensional Image Model Axis Orientation 867
CID 7186. Abstract Multi-dimensional Image Model Qualitative Dimension Sample Semantics 868
CID 7191. Tissue Segmentation Property Types 869
CID 7192. Anatomical Structure Segmentation Property Types 869
CID 7193. Physical Object Segmentation Property Types 870
CID 7194. Morphologically Abnormal Structure Segmentation Property Types 870
CID 7195. Function Segmentation Property Types 870
CID 7196. Spatial and Relational Concept Segmentation Property Types 870
CID 7197. Body Substance Segmentation Property Types 871
CID 7198. Substance Segmentation Property Types 871
CID 7201. Referenced Image Purposes of Reference 871
CID 7202. Source Image Purposes of Reference 872
CID 7203. Image Derivation 872
CID 7205. Purpose of Reference to Alternate Representation 873
CID 7210. Related Series Purposes of Reference 874
CID 7215. Spectroscopy Purpose of Reference 874
CID 7220. RT Dose Derivation 874
CID 7221. RT Dose Purpose of Reference 875
CID 7222. Parametric Map Derivation Image Purpose of Reference 875
CID 7250. Multi-Frame Subset Type 875
CID 7260. Diffusion Acquisition Value Types 875
CID 7261. Diffusion Model Value Types 876
CID 7262. Diffusion Tractography Algorithm Families 876
CID 7263. Diffusion Tractography Measurement Types 876
CID 7270. MR Diffusion Component Semantics 877
CID 7271. MR Diffusion Anisotropy Indices 878
CID 7272. MR Diffusion Model Parameters 878
CID 7273. MR Diffusion Models 878
CID 7274. MR Diffusion Model Fitting Methods 879
CID 7275. MR Diffusion Model Specific Methods 879
CID 7276. MR Diffusion Model Inputs 879
CID 7277. Units of Diffusion Rate Area Over Time 880
CID 7300. Implant Materials 880
CID 7301. Intervention Types 880
CID 7302. Implant Templates View Orientations 881
CID 7303. Implant Templates Modified View Orientations 881
CID 7304. Implant Target Anatomy 881
CID 7305. Implant Planning Landmarks 882
CID 7306. Human Hip Implant Planning Landmarks 883
CID 7307. Implant Component Types 883

CID 7308. Human Hip Implant Component Types 883
CID 7309. Human Trauma Implant Component Types 884
CID 7310. Implant Fixation Method 884
CID 7320. Planning Methods 885
CID 7445. Device Participating Roles 885
CID 7449. Reader Specialty 885
CID 7450. Person Roles 886
CID 7451. Family Member 886
CID 7452. Organizational Roles 887
CID 7453. Performing Roles 888
CID 7454. Animal Taxonomic Rank Values 888
CID 7455. Sex 890
CID 7456. Units of Measure for Age 890
CID 7457. Sex - Male Female or Both 891
CID 7460. Units of Linear Measurement 891
CID 7461. Units of Area Measurement 891
CID 7462. Units of Volume Measurement 892
CID 7464. General Region of Interest Measurement Modifiers 892
CID 7465. Measurements Derived From Multiple ROI Measurements 892
CID 7466. PET Region of Interest Measurements 893
CID 7467. Gray Level Co-occurrence Matrix Measurements 893
CID 7468. Texture Measurements 894
CID 7469. Generic Intensity and Size Measurements 894
CID 7470. Linear Measurements 895
CID 7471. Area Measurements 895
CID 7472. Volume Measurements 896
CID 7473. General Area Calculation Methods 896
CID 7474. General Volume Calculation Methods 896
CID 7475. Gray Level Run Length Based Features 896
CID 7476. Gray Level Size Zone Based Features 897
CID 7477. Global Shape Descriptors 898
CID 7478. Intensity Histogram Features 899
CID 7479. Grey Level Distance Zone Based Features 899
CID 7480. Breed 900
CID 7481. Breed Registry 968
CID 7482. DX Anatomy Imaged for Animals 969
CID 7483. Common Anatomic Regions for Animals 969
CID 7484. DX View for Animals 971
CID 7486. Mixed Breeds 974
CID 7490. Research Animal Source Registries 974
CID 7500. Neighbourhood Grey Tone Difference Based Features 974
CID 7501. Neighbouring Grey Level Dependence Based Features 975
CID 7600. Lymph Node Anatomic Sites 975
CID 7601. Head and Neck Cancer Anatomic Sites 981
CID 7701. Fiber Tracts In Brainstem 982
CID 7702. Projection and Thalamic Fibers 982
CID 7703. Association Fibers 983
CID 7704. Limbic System Tracts 983
CID 7705. Commissural Fibers 984
CID 7706. Cranial Nerves 984
CID 7707. Spinal Cord Fibers 985
CID 7710. Tractography Anatomic Sites 985
CID 8101. Container Types 985
CID 8102. Container Component Types 986
CID 8103. Anatomic Pathology Specimen Types 986
CID 8104. Breast Tissue Specimen Types 987
CID 8109. Specimen Collection Procedure 987
CID 8110. Specimen Sampling Procedure 988
CID 8111. Specimen Preparation Procedure 988
CID 8112. Specimen Stains 989

CID 8113. Specimen Preparation Steps 994
CID 8114. Specimen Fixatives 995
CID 8115. Specimen Embedding Media 995
CID 8120. WSI Referenced Image Purposes of Reference 996
CID 8121. Microscopy Lens Type 996
CID 8122. Microscopy Illuminator and Sensor Color 996
CID 8123. Microscopy Illumination Method 997
CID 8124. Microscopy Filter 997
CID 8125. Microscopy Illuminator Type 998
CID 8130. Staining Protocols 998
CID 8131. Pathology Imaging Protocols 998
CID 8132. Magnification Selection 999
CID 8133. Tissue Selection 999
CID 8201. Surface Scan Acquisition Types 999
CID 8202. Surface Scan Mode Types 1000
CID 8203. Surface Scan Registration Method Types 1000
CID 8300. Visual Evaluation Methods 1000
CID 8301. Test Pattern Codes 1001
CID 8302. Measurement Pattern Codes 1004
CID 8303. Display Device Type 1004
CID 9000. Physical Quantity Descriptors 1004
CID 9231. Workitem Definition 1005
CID 9232. Non-DICOM Output Types (Retired) 1005
CID 9233. Requested Report Types 1005
CID 9241. Radiotherapy General Workitem Definition 1006
CID 9242. Radiotherapy Acquisition Workitem Definition 1006
CID 9243. Radiotherapy Registration Workitem Definition 1007
CID 9250. Scheduled Processing Parameter Concept Codes for RT Treatment 1007
CID 9300. Procedure Discontinuation Reasons 1007
CID 9301. Modality PPS Discontinuation Reasons 1008
CID 9302. Media Import PPS Discontinuation Reasons 1008
CID 9303. Interpretation Request Discontinuation Reasons 1009
CID 9401. IEC61217 Device Position Parameters 1009
CID 9402. IEC61217 Gantry Position Parameters 1009
CID 9403. IEC61217 Patient Support Position Parameters 1010
CID 9500. Dosimetric Objective Types 1010
CID 9501. Prescription Anatomy Categories 1010
CID 9502. RT Segment Annotation Categories 1011
CID 9503. Radiotherapy Therapeutic Role Categories 1011
CID 9504. RT Geometric Information 1011
CID 9505. Fixation or Positioning Devices 1012
CID 9506. Brachytherapy Devices 1012
CID 9507. External Body Models 1012
CID 9508. Non-specific Volumes 1012
CID 9509. Purpose of Reference For RT Physician Intent Input 1013
CID 9510. Purpose of Reference For RT Treatment Planning Input 1013
CID 9511. General External Radiotherapy Procedure Techniques 1013
CID 9512. Tomotherapeutic Radiotherapy Procedure Techniques 1014
CID 9513. Fixation Devices 1014
CID 9514. Anatomical Structures For Radiotherapy 1014
CID 9515. RT Patient Support Devices 1015
CID 9516. Radiotherapy Bolus Device Types 1015
CID 9517. Radiotherapy Block Device Types 1015
CID 9518. Radiotherapy Accessory No-slot Holder Device Types 1015
CID 9519. Radiotherapy Accessory Slot Holder Device Types 1016
CID 9520. Segmented RT Accessory Devices 1016
CID 9521. Radiotherapy Treatment Energy Unit 1016
CID 9522. Multi-source Radiotherapy Procedure Techniques 1016
CID 9523. Robotic Radiotherapy Procedure Techniques 1017
CID 9524. Radiotherapy Procedure Techniques 1017

CID 9525. Radiation Therapy Particle 1017
CID 9526. Ion Therapy Particle 1017
CID 9527. Teletherapy Isotope 1018
CID 9528. Brachytherapy Isotope 1018
CID 9529. Single Dose Dosimetric Objectives 1019
CID 9530. Percentage and Dose Dosimetric Objectives 1019
CID 9531. Volume and Dose Dosimetric Objectives 1019
CID 9532. No-Parameter Dosimetric Objectives 1019
CID 9533. Delivery Time Structure 1020
CID 9534. Radiotherapy Targets 1020
CID 9535. Radiotherapy Dose Calculation Roles 1021
CID 9536. Radiotherapy Prescribing and Segmenting Person Roles 1021
CID 9537. Effective Dose Calculation Method Categories 1021
CID 9538. Radiation Transport-based Effective Dose Method Modifiers 1022
CID 9539. Fractionation-based Effective Dose Method Modifiers 1022
CID 10000. Scope of Accumulation 1022
CID 10001. UID Types 1022
CID 10002. Irradiation Event Types 1023
CID 10003. Equipment Plane Identification 1023
CID 10004. Fluoro Modes 1023
CID 10006. X-Ray Filter Materials 1024
CID 10007. X-Ray Filter Types 1024
CID 10008. Dose Related Distance Measurements 1024
CID 10009. Measured/Calculated 1025
CID 10010. Dose Measurement Devices 1025
CID 10011. Effective Dose Evaluation Method 1025
CID 10013. CT Acquisition Type 1026
CID 10014. Contrast Imaging Technique 1026
CID 10015. CT Dose Reference Authorities 1026
CID 10016. Anode Target Material 1027
CID 10017. X-Ray Grid 1027
CID 10020. Source of Projection X-Ray Dose Information 1027
CID 10021. Source of CT Dose Information 1028
CID 10022. Label Types 1028
CID 10023. Size Specific Dose Estimation Method for CT 1028
CID 10024. Water Equivalent Diameter Method 1028
CID 10025. Radiation Dose Reference Points 1029
CID 10030. Detector Types 1029
CID 10031. CR/DR Mechanical Configuration 1029
CID 10032. Projection X-Ray Acquisition Device Types 1030
CID 10033. CT Reconstruction Algorithm 1030
CID 10034. Reason for Repeating Acquisition 1030
CID 10040. Radiopharmaceutical Organ Dose Reference Authority 1030
CID 10041. Source of Radioisotope Activity Information 1031
CID 10043. Intravenous Extravasation Symptoms 1031
CID 10044. Radiosensitive Organs 1032
CID 10045. Radiopharmaceutical Patient State 1033
CID 10046. GFR Measurements 1033
CID 10047. GFR Measurement Methods 1034
CID 10050. Summary Radiation Exposure Quantities 1034
CID 10060. Organs for Radiation Dose Estimates 1035
CID 10061. Absorbed Radiation Dose Types 1035
CID 10062. Equivalent Radiation Dose Types 1035
CID 10063. Radiation Dose Estimate Distribution Representation 1036
CID 10064. Patient Model Type 1036
CID 10065. Radiation Transport Model Type 1036
CID 10066. Attenuator Category 1036
CID 10067. Radiation Attenuator Materials 1037
CID 10068. Estimate Method Types 1037
CID 10069. Radiation Dose Estimation Parameter 1037

CID 10070. Radiation Dose Types 1038
CID 10071. Radiation Dose Units 1038
CID 12001. Ultrasound Protocol Types 1039
CID 12002. Ultrasound Protocol Stage Types 1039
CID 12003. OB-GYN Dates 1040
CID 12004. Fetal Biometry Ratios 1040
CID 12005. Fetal Biometry Measurements 1040
CID 12006. Fetal Long Bones Biometry Measurements 1041
CID 12007. Fetal Cranium 1042
CID 12008. OB-GYN Amniotic Sac 1042
CID 12009. Early Gestation Biometry Measurements 1042
CID 12011. Ultrasound Pelvis and Uterus 1043
CID 12012. OB Equations and Tables 1043
CID 12013. Gestational Age Equations and Tables 1043
CID 12014. OB Fetal Body Weight Equations and Tables 1046
CID 12015. Fetal Growth Equations and Tables 1047
CID 12016. Estimated Fetal Weight Percentile Equations and Tables 1048
CID 12017. Growth Distribution Rank 1049
CID 12018. OB-GYN Summary 1049
CID 12019. OB-GYN Fetus Summary 1049
CID 12020. Fetal Biometry Anatomic Sites 1049
CID 12021. Fetal Long Bone Anatomic Sites 1050
CID 12022. Fetal Cranium Anatomic Sites 1050
CID 12023. Pelvis and Uterus Anatomic Sites 1051
CID 12030. Ultrasound Contrast/Bolus Agents 1051
CID 12031. Protocol Interval Events 1051
CID 12032. Transducer Scan Pattern 1052
CID 12033. Ultrasound Transducer Geometry 1052
CID 12034. Ultrasound Transducer Beam Steering 1052
CID 12035. Ultrasound Transducer Application 1053
CID 12101. Vascular Summary 1053
CID 12102. Temporal Periods Relating to Procedure or Therapy 1053
CID 12103. Vascular Ultrasound Anatomic Location 1053
CID 12104. Extracranial Arteries 1054
CID 12105. Intracranial Cerebral Vessels 1054
CID 12106. Intracranial Cerebral Vessels (Unilateral) 1055
CID 12107. Upper Extremity Arteries 1055
CID 12108. Upper Extremity Veins 1056
CID 12109. Lower Extremity Arteries 1056
CID 12110. Lower Extremity Veins 1057
CID 12111. Abdominal Arteries (Lateral) 1058
CID 12112. Abdominal Arteries (Unilateral) 1058
CID 12113. Abdominal Veins (Lateral) 1059
CID 12114. Abdominal Veins (Unilateral) 1059
CID 12115. Renal Vessels 1060
CID 12116. Vessel Segment Modifiers 1060
CID 12117. Vessel Branch Modifiers 1060
CID 12118. Measurement Orientation 1061
CID 12119. Vascular Ultrasound Property 1061
CID 12120. Blood Velocity Measurements by Ultrasound 1061
CID 12121. Vascular Indices and Ratios 1062
CID 12122. Other Vascular Properties 1062
CID 12123. Carotid Ratios 1063
CID 12124. Renal Ratios 1063
CID 12140. Pelvic Vasculature Anatomical Location 1063
CID 12141. Fetal Vasculature Anatomical Location 1064
CID 12200. Echocardiography Left Ventricle 1064
CID 12201. Left Ventricle Linear 1064
CID 12202. Left Ventricle Volume 1065
CID 12203. Left Ventricle Other 1065

CID 12204. Echocardiography Right Ventricle 1066
CID 12205. Echocardiography Left Atrium 1066
CID 12206. Echocardiography Right Atrium 1067
CID 12207. Echocardiography Mitral Valve 1067
CID 12208. Echocardiography Tricuspid Valve 1067
CID 12209. Echocardiography Pulmonic Valve 1068
CID 12210. Echocardiography Pulmonary Artery 1068
CID 12211. Echocardiography Aortic Valve 1069
CID 12212. Echocardiography Aorta 1069
CID 12214. Echocardiography Pulmonary Veins 1069
CID 12215. Echocardiography Vena Cavae 1070
CID 12216. Echocardiography Hepatic Veins 1070
CID 12217. Echocardiography Cardiac Shunt 1070
CID 12218. Echocardiography Congenital 1071
CID 12219. Pulmonary Vein Modifiers 1071
CID 12220. Echocardiography Common Measurements 1071
CID 12221. Flow Direction 1071
CID 12222. Orifice Flow Properties 1072
CID 12223. Echocardiography Stroke Volume Origin 1073
CID 12224. Ultrasound Image Modes 1073
CID 12226. Echocardiography Image View 1074
CID 12227. Echocardiography Measurement Method 1075
CID 12228. Echocardiography Volume Methods 1075
CID 12229. Echocardiography Area Methods 1076
CID 12230. Gradient Methods 1076
CID 12231. Volume Flow Methods 1076
CID 12232. Myocardium Mass Methods 1076
CID 12233. Cardiac Phase 1077
CID 12234. Respiration State 1077
CID 12235. Mitral Valve Anatomic Sites 1078
CID 12236. Echo Anatomic Sites 1078
CID 12237. Echocardiography Anatomic Site Modifiers 1078
CID 12238. Wall Motion Scoring Schemes 1078
CID 12239. Cardiac Output Properties 1079
CID 12240. Left Ventricle Area 1079
CID 12241. Tricuspid Valve Finding Sites 1079
CID 12242. Aortic Valve Finding Sites 1080
CID 12243. Left Ventricle Finding Sites 1080
CID 12244. Congenital Finding Sites 1080
CID 12245. Cardiac Ultrasound Report Titles 1080
CID 12246. Cardiac Ultrasound Indication for Study 1080
CID 12247. Pediatric, Fetal and Congenital Cardiac Surgical Interventions 1081
CID 12248. Cardiac Ultrasound Summary Codes 1082
CID 12249. Cardiac Ultrasound Fetal Summary Codes 1083
CID 12250. Cardiac Ultrasound Common Linear Measurements 1084
CID 12251. Cardiac Ultrasound Linear Valve Measurements 1084
CID 12252. Cardiac Ultrasound Cardiac Function 1084
CID 12253. Cardiac Ultrasound Area Measurements 1085
CID 12254. Cardiac Ultrasound Hemodynamic Measurements 1085
CID 12255. Cardiac Ultrasound Myocardium Measurements 1086
CID 12257. Cardiac Ultrasound Left Ventricle 1086
CID 12258. Cardiac Ultrasound Right Ventricle 1087
CID 12259. Cardiac Ultrasound Ventricles Measurements 1087
CID 12260. Cardiac Ultrasound Pulmonary Artery 1087
CID 12261. Cardiac Ultrasound Pulmonary Vein 1088
CID 12262. Cardiac Ultrasound Pulmonary Valve 1088
CID 12263. Cardiac Ultrasound Venous Return Pulmonary Measurements 1089
CID 12264. Cardiac Ultrasound Venous Return Systemic Measurements 1089
CID 12265. Cardiac Ultrasound Atria and Atrial Septum Measurements 1089
CID 12266. Cardiac Ultrasound Mitral Valve 1090

CID 12267. Cardiac Ultrasound Tricuspid Valve 1090
CID 12268. Cardiac Ultrasound Atrioventricular Valves Measurements 1091
CID 12269. Cardiac Ultrasound Interventricular Septum Measurements 1091
CID 12270. Cardiac Ultrasound Aortic Valve 1091
CID 12271. Cardiac Ultrasound Outflow Tracts Measurements 1092
CID 12272. Cardiac Ultrasound Semilunar Valves, Annulate and Sinuses Measurements 1092
CID 12273. Cardiac Ultrasound Aortic Sinotubular Junction 1092
CID 12274. Cardiac Ultrasound Aorta Measurements 1092
CID 12275. Cardiac Ultrasound Coronary Arteries Measurements 1093
CID 12276. Cardiac Ultrasound Aorto Pulmonary Connections Measurements 1093
CID 12277. Cardiac Ultrasound Pericardium and Pleura Measurements 1093
CID 12279. Cardiac Ultrasound Fetal General Measurements 1094
CID 12280. Cardiac Ultrasound Target Sites 1094
CID 12281. Cardiac Ultrasound Target Site Modifiers 1095
CID 12282. Cardiac Ultrasound Venous Return Systemic Finding Sites 1096
CID 12283. Cardiac Ultrasound Venous Return Pulmonary Finding Sites 1096
CID 12284. Cardiac Ultrasound Atria and Atrial Septum Finding Sites 1096
CID 12285. Cardiac Ultrasound Atrioventricular Valves Finding Sites 1097
CID 12286. Cardiac Ultrasound Interventricular Septum Finding Sites 1097
CID 12287. Cardiac Ultrasound Ventricles Finding Sites 1098
CID 12288. Cardiac Ultrasound Outflow Tracts Finding Sites 1098
CID 12289. Cardiac Ultrasound Semilunar Valves, Annulus and Sinuses Finding Sites 1098
CID 12290. Cardiac Ultrasound Pulmonary Arteries Finding Sites 1099
CID 12291. Cardiac Ultrasound Aorta Finding Sites 1099
CID 12292. Cardiac Ultrasound Coronary Arteries Finding Sites 1100
CID 12293. Cardiac Ultrasound Aortopulmonary Connections Finding Sites 1100
CID 12294. Cardiac Ultrasound Pericardium and Pleura Finding Sites 1100
CID 12300. Core Echo Measurements 1101
CID 12301. Measurement Selection Reasons 1108
CID 12302. Echo Finding Observation Types 1108
CID 12303. Echo Measurement Types 1109
CID 12304. Echo Measured Properties 1109
CID 12305. Basic Echo Anatomic Sites 1110
CID 12306. Echo Flow Directions 1112
CID 12307. Cardiac Phases and Time Points 1112
C. Acquisition Context Module, Protocol and Workflow Context Templates (Normative) 1115
Templates for Acquisition, Protocol and Workflow Context. 1115
TID 3401. ECG Acquisition Context 1115
TID 3403. Catheterization Acquisition Context 1115
TID 3450. Cardiac Electrophysiology Acquisition Context 1116
TID 3460. Projection Radiography Acquisition Context 1116
TID 3470. NM/PET Acquisition Context 1116
TID 3471. PET Covariates Acquisition Context 1116
TID 8001. Specimen Preparation 1117
TID 8002. Specimen Sampling 1118
TID 8003. Specimen Staining 1119
TID 8004. Specimen Localization 1119
TID 8010. Slide Imaging Parameters 1120
TID 8200. Radiology Reading Task Parameters 1120
TID 15100. Contrast Agent/Pre-Medication Protocol Context 1121
TID 15101. NM/PET Protocol Context 1121
TID 15200. JJ1017 Protocol Context 1122
TID 15300. RT Prescription Annotation 1123
TID 15301. RT Segment Characteristics 1124
TID 15400. Real-World Quantity Definition 1125
TID 15401. Real-World Quantity Definition for X-Ray Attenuation Properties 1125
D. DICOM Controlled Terminology Definitions (Normative) 1127
E. French Language Meanings of Selected Codes Used in the DCMR (Normative) 1365
F. Japanese Language Meanings of Selected Codes Used in The DCMR (Normative) 1397
G. English Code Meanings of Selected Codes (Normative) 1409

H. Code Meanings of LOINC Codes in DCMR 1417
I. Relationship of Endoscopy Procedures to Anatomic Regions (Informative) 1427
J. SNOMED Retired Codes 1429
K. Relevant Patient Information Templates (Normative) 1449
L. Correspondence of Anatomic Region Codes and Body Part Examined Defined Terms 1451
M. German Language Meanings of Selected Codes Used in The DCMR (Normative) 1479
N. Externally Defined Value Sets (Informative) 1481
N.1. HL7 Value Sets 1481
N.1.1. ActPriority Value Set 1481
N.1.2. AdministrativeGender Value Set 1482
N.1.3. ImageMediaType Value Set 1482
N.1.4. NullFlavor Value Set 1482
N.1.5. ObservationInterpretation Value Set 1482
N.1.6. x_BasicConfidentialityKind Value Set 1483
N.1.7. x_serviceEventPerformer Value Set 1483
N.2. LOINC Value Sets 1483
N.2.1. LOINC Imaging Document Codes (examples) 1484
N.2.2. LOINC Y/N/NA 1484
O. SNOMED Concept ID to SNOMED ID Mapping 1485

List of Figures

A-3. Quantitative Ventricular Analysis Report SR IOD Template Structure 174
A-4. Quantitative Arterial Analysis Report SR IOD Template Structure 186
A-4b. Direction of Blood Flow 189
A-5. IVUS Report Template Hierarchy 197
A-6. Hemodynamic Report Template Hierarchy 217
A-7. Cardiac Catheterization Report Template Hierarchy 243
A-8. Mammography CAD SR IOD Template Structure 290
A-8a. Example of Breast Outline Including Pectoral Muscle Tissue 303
A-8b. Example of Pectoral Muscle Outline 303
A-9. Chest CAD SR IOD Template Structure 316
A-9b. Colon CAD SR IOD Template Structure 327
A-10. Breast Imaging Report Template Structure 337
A-10b. Simplified Adult Echocardiography Template Structure 381
A-11. Implantation Plan SR Document IOD Template Structure 391
A-12. Implant Assembly and Components Terminology 392
A-13. References to Registration Objects 396
A-14. X-Ray Radiation Dose SR IOD Template Structure 420
A-15. CT Radiation Dose SR IOD Template Structure 435
A-16. Spiral Acquisition Parameters 446
A-17. Radiopharmaceutical Radiation Dose SR IOD Template Structure 449
A-18. Patient Radiation Dose Structured Report IOD Template Structure 455
A-19. Planned Imaging Agent Administration SR IOD Template Structure 462
A-20. ~~Planned~~Performed Imaging Agent Administration SR IOD Template Structure 473

List of Tables

TID <#>. <SR Context Template Name> ... 80
TID <#>. <Acquisition Context Template Name> ... 80
TID <#>. <Protocol Context Template Name> ... 80
6.1.3-1. Syntax of Relationship Constraints ... 82
6.1.6-1. Permitted Values for VM ... 82
CID <#>. <Context Group Name> ... 87
7.2.1-1. Include Context Group Macro ... 88
8-1. Coding Schemes ... 91
8-2. HL7v3 Coding Schemes ... 100
TID 300. Parameters ... 103
TID 300. Measurement ... 103
TID 310. Parameters ... 105
TID 310. Measurement Properties ... 105
TID 311. Parameters ... 105
TID 311. Measurement Statistical Properties ... 106
TID 312. Parameters ... 106
TID 312. Normal Range Properties ... 106
TID 315. Parameters ... 106
TID 315. Equation or Table ... 107
TID 320. Parameters ... 107
TID 320. Image or Spatial Coordinates ... 107
TID 321. Parameters ... 107
TID 321. Waveform or Temporal Coordinates ... 108
TID 350. References to Supporting Evidence ... 108
TID 351. Previous Reports ... 108
TID 400. Reference Location ... 109
TID 1000. Quotation ... 110
TID 1001. Observation Context ... 110
TID 1002. Observer Context ... 111
TID 1003. Person Observer Identifying Attributes ... 111
TID 1004. Device Observer Identifying Attributes ... 112
TID 1005. Procedure Context ... 113
TID 1006. Subject Context ... 114
TID 1007. Subject Context, Patient ... 115
TID 1008. Subject Context, Fetus ... 115
TID 1009. Subject Context, Specimen ... 116
TID 1010. Subject Context, Device ... 117
TID 1020. Parameters ... 117
TID 1020. Person Participant ... 117
TID 1021. Parameters ... 118
TID 1021. Device Participant ... 118
TID 1200. Language Designation ... 119
TID 1201. Language of Value ... 119
TID 1202. Language of Name and Value ... 120
TID 1204. Language of Content Item and Descendants ... 120
TID 1210. Equivalent Meaning(s) of Concept Name ... 120
TID 1211. Equivalent Meaning(s) of Value ... 121
TID 1350. Negation Modifier, Presence of Finding ... 122
TID 1400. Linear Measurement ... 122
TID 1401. Area Measurement ... 123
TID 1402. Volume Measurement ... 124
TID 1404. Numeric Measurement ... 125
TID 1406. Three Dimensional Linear Measurement ... 126
TID 1410. Parameters ... 126
TID 1410. Planar ROI Measurements and Qualitative Evaluations ... 127
TID 1411. Parameters ... 129
TID 1411. Volumetric ROI Measurements and Qualitative Evaluations ... 130

TID 1419. Parameters 132
TID 1419. ROI Measurements 133
TID 1420. Parameters 134
TID 1420. Measurements Derived From Multiple ROI Measurements 135
TID 1500. Measurement Report 137
TID 1501. Parameters 140
TID 1501. Measurement and Qualitative Evaluation Group 140
TID 1502. Time Point Context 142
TID 1600. Image Library 143
TID 1601. Image Library Entry 144
TID 1602. Image Library Entry Descriptors 144
TID 1603. Image Library Entry Descriptors for Projection Radiography 145
TID 1604. Image Library Entry Descriptors for Cross-Sectional Modalities 146
TID 1605. Image Library Entry Descriptors for CT 147
TID 1606. Image Library Entry Descriptors for MR 147
TID 1607. Image Library Entry Descriptors for PET 148
TID 2000. Basic Diagnostic Imaging Report 149
TID 2001. Basic Diagnostic Imaging Report Observations 150
TID 2002. Report Narrative 151
TID 2005. Transcribed Diagnostic Imaging Report 151
TID 2006. Imaging Report With Conditional Radiation Exposure and Protection Information 152
TID 2007. Imaging Procedure Description 154
TID 2008. Radiation Exposure and Protection Information 155
TID 2010. Key Object Selection 156
TID 2020. Spectacle Prescription Report 157
TID 2021. Spectacle Prescription Details 157
TID 2100. Macular Grid Thickness and Volume Report 158
TID 2101. Parameters 158
TID 2101. Macular Grid Thickness and Volume Measurement 159
TID 2102. Quality Rating Identification 160
TID 3001. Procedure Log 161
TID 3010. Log Entry Qualifiers 163
TID 3100. Procedure Action 163
TID 3101. Image Acquisition 164
TID 3102. Waveform Acquisition 165
TID 3103. Referenced Object 165
TID 3104. Consumables 166
TID 3105. Lesion Identification and Properties 166
TID 3106. Drugs/Contrast Administered 167
TID 3107. Device Used 168
TID 3108. Intervention 169
TID 3109. Measurements 169
TID 3110. Impressions or Findings 170
TID 3111. Percutaneous Entry 171
TID 3112. Specimen Obtained 171
TID 3113. Patient Support 171
TID 3114. Patient Assessment 172
TID 3115. ECG ST Assessment 174
TID 3202. Ventricular Analysis 175
TID 3205. Parameters 176
TID 3205. Calibration 176
TID 3206. VA Main Results 177
TID 3207. AA Main Results 181
TID 3208. Frame-To-Frame Result 182
TID 3209. Centerline Wall Motion 182
TID 3210. Radial Based Wall Motion 184
TID 3211. Landmark Based Wall Motion 185
TID 3213. Quantitative Arterial Analysis 186
TID 3214. Analyzed Segment 187
TID 3215. Angiographic Lesion Analysis 189

TID 3216. Stenotic Flow Reserve 193
TID 3217. Sub-Segmental Data 194
TID 3218. Position in Arterial Segment 195
TID 3219. Segment Values 196
TID 3250. IVUS Report 197
TID 3251. IVUS Vessel 198
TID 3252. IVUS Lesion 198
TID 3253. IVUS Measurements 199
TID 3254. IVUS Qualitative Assessments 201
TID 3255. IVUS Volume Measurement 201
TID 3300. Stress Testing Report 202
TID 3301. Stress Test Procedure Description 203
TID 3303. Stress Test Phase Data 204
TID 3304. Stress Test Measurement Group 205
TID 3307. NM/PET Perfusion Measurement Group 207
TID 3309. Stress Echo Measurement Group 209
TID 3311. Stress Test Summary 210
TID 3312. Physiological Summary 211
TID 3313. Stress ECG Summary 212
TID 3317. Stress Imaging Summary 214
TID 3318. Comparison to Prior Stress Exam 215
TID 3320. Conclusions and Recommendations 216
TID 3500. Hemodynamics Report 217
TID 3501. Hemodynamics Measurement Group 218
TID 3504. Arterial Pressure Measurement 219
TID 3505. Atrial Pressure Measurement 220
TID 3506. Venous Pressure Measurement 220
TID 3507. Ventricular Pressure Measurement 221
TID 3508. Gradient Measurement 222
TID 3509. Blood Velocity Measurement 223
TID 3510. Vital Signs 224
TID 3515. Cardiac Output Measurement By Indicator Dilution 225
TID 3516. Blood Lab Measurements 226
TID 3520. Hemodynamic Clinical Context 227
TID 3521. Parameters 228
TID 3521. Relative Time 228
TID 3530. Parameters 228
TID 3530. Hemodynamic Acquisition Context 229
TID 3550. Pressure Waveform Measurements 229
TID 3560. Derived Hemodynamic Measurements 230
TID 3570. Summary, Hemodynamics 234
TID 3601. Procedure Context 234
TID 3602. Cardiovascular Patient Characteristics 235
TID 3603. Procedure Environmental Characteristics 236
TID 3700. ECG Report 237
TID 3702. Prior ECG Exam 238
TID 3704. Patient Characteristics for ECG 238
TID 3708. ECG Waveform Information 239
TID 3713. ECG Global Measurements 239
TID 3714. ECG Lead Measurements 240
TID 3715. ECG Measurement Source 241
TID 3717. Qualitative Analysis, ECG 242
TID 3719. Summary, ECG 242
TID 3800. Cardiac Catheterization Report Root 243
TID 3802. Cardiovascular Patient History 244
TID 3803. Patient Presentation, Cath 247
TID 3806. Cath Procedure 248
TID 3807. Percutaneous Coronary Intervention Procedure 249
TID 3808. Lesion Intervention Information 250
TID 3809. Other Interventional Procedures 252

TID 3810. Cardiac Catheterization Findings 252
TID 3812. Hemodynamic Findings 253
TID 3814. Left Ventriculography Findings 254
TID 3815. Right Ventriculography Findings 255
TID 3816. Ventricular Assessment 255
TID 3817. Coronary Arteriography Findings 256
TID 3818. Other Cardiographic Findings 257
TID 3819. Parameters 257
TID 3819. Common Findings 257
TID 3820. Adverse Outcomes, Cath 258
TID 3824. Summary, Cath 258
TID 3828. Discharge Summary, Cath 259
TID 3829. Parameters 259
TID 3829. Problem Properties 260
TID 3830. Parameters 260
TID 3830. Procedure Properties 261
TID 3831. Parameters 261
TID 3831. Medical Device Use 261
TID 3900. CT/MR Cardiovascular Analysis Report 262
TID 3901. Procedure Summary 263
TID 3902. Parameters 263
TID 3902. Vascular Analysis 263
TID 3905. Calcium Scoring Results 268
TID 3906. Parameters 269
TID 3906. Vascular Section Measurements 269
TID 3907. Vessel Measurements 270
TID 3908. Vascular Lesion 271
TID 3909. Best Illustration of Findings 273
TID 3910. Flow Quantification 273
TID 3911. Plaque Properties 275
TID 3912. Stenosis Properties 276
TID 3913. Aneurysm Properties 277
TID 3914. Arterial Dissection Properties 278
TID 3915. Vascular Occlusion Properties 278
TID 3916. Stent Properties 279
TID 3917. Aneurysm Measurements 279
TID 3920. Ventricular Analysis 280
TID 3921. Parameters 280
TID 3921. Ventricular Measurements 281
TID 3922. Absolute Values of Ventricular Measurements 281
TID 3923. BSA-Normalized Ventricular Measurements 283
TID 3924. Heart Rate-Normalized Ventricular Measurements 284
TID 3925. Thickening Analysis 285
TID 3926. Myocardial Perfusion Analysis 286
TID 3927. Report Summary 288
TID 3929. Cardiovascular Analysis Observation Context 288
TID 3990. Parameters 289
TID 3990. Two Dimensional Measurement Graph 289
TID 4000. Mammography CAD Document Root 291
TID 4001. Mammography CAD Overall Impression/Recommendation 292
TID 4002. Mammography CAD Impression/Recommendation Body 293
TID 4003. Mammography CAD Individual Impression/Recommendation 295
TID 4004. Mammography CAD Composite Feature 295
TID 4005. Mammography CAD Composite Feature Body 296
TID 4006. Mammography CAD Single Image Finding 299
TID 4007. Mammography CAD Breast Composition 302
TID 4008. Mammography CAD Breast Geometry 302
TID 4009. Mammography CAD Individual Calcification 303
TID 4010. Mammography CAD Calcification Cluster 304
TID 4011. Mammography CAD Density 304

TID 4012. Mammography CAD Non-lesion 305
TID 4013. Mammography CAD Selected Region 306
TID 4014. Parameters 306
TID 4014. CAD Image Quality 306
TID 4015. Parameters 307
TID 4015. CAD Detections Performed 307
TID 4016. Parameters 307
TID 4016. CAD Analyses Performed 308
TID 4017. Parameters 308
TID 4017. CAD Detection Performed 308
TID 4018. Parameters 309
TID 4018. CAD Analysis Performed 309
TID 4019. Algorithm Identification 311
TID 4020. Parameters 311
TID 4020. CAD Image Library Entry 311
TID 4021. Mammography CAD Geometry 314
TID 4022. CAD Observation Context 315
TID 4023. CAD Operating Points 315
TID 4100. Chest CAD Document Root 317
TID 4101. Chest CAD Findings Summary 318
TID 4102. Chest CAD Composite Feature 319
TID 4103. Chest CAD Composite Feature Body 320
TID 4104. Chest CAD Single Image Finding 322
TID 4105. Chest CAD Descriptors 324
TID 4106. Response Evaluation 325
TID 4107. Chest CAD Geometry 325
TID 4108. Tracking Identifier 326
TID 4120. Colon CAD Document Root 327
TID 4121. Colon CAD Findings Summary 328
TID 4122. CAD Common Image Properties Entry 329
TID 4125. Colon CAD Composite Feature 330
TID 4126. Colon CAD Composite Feature Body 331
TID 4127. Colon CAD Single Image Finding 333
TID 4128. Colon CAD Descriptors 334
TID 4129. Colon CAD Geometry 335
TID 4200. Breast Imaging Report 337
TID 4201. Breast Imaging Procedure Reported 338
TID 4202. Breast Imaging Report Narrative 339
TID 4203. Breast Imaging Assessment 339
TID 4204. Breast Imaging Report Intervention Section 340
TID 4205. Breast Composition Section 341
TID 4206. Breast Imaging Report Finding Section 342
TID 4207. Breast Imaging Pathology Results 344
TID 4208. Breast Imaging Report Supplementary Data 345
TID 4209. Breast Patient Characteristics 346
TID 5000. OB-GYN Ultrasound Procedure Report 346
TID 5001. OB-GYN Patient Characteristics 348
TID 5002. OB-GYN Procedure Summary Section 349
TID 5003. OB-GYN Procedure Fetus Summary 349
TID 5004. Fetal Biometry Ratio Section 350
TID 5005. Fetal Biometry Section 350
TID 5006. Fetal Long Bones Section 351
TID 5007. Fetal Cranium Section 351
TID 5008. Parameters 352
TID 5008. Fetal Biometry Group 352
TID 5009. Fetal Biophysical Profile Section 353
TID 5010. Amniotic Sac Section 354
TID 5011. Early Gestation Section 354
TID 5012. Ovaries Section 355
TID 5013. Parameters 356

TID 5013. Follicles Section 356
TID 5014. Follicle Measurement Group 356
TID 5015. Pelvis and Uterus Section 357
TID 5016. Parameters 357
TID 5016. LWH Volume Group 357
TID 5025. Parameters 358
TID 5025. OB-GYN Fetal Vascular Ultrasound Measurement Group 358
TID 5026. Parameters 359
TID 5026. OB-GYN Pelvic Vascular Ultrasound Measurement Group 359
TID 5100. Vascular Ultrasound Report 360
TID 5101. Vascular Patient Characteristics 364
TID 5102. Vascular Procedure Summary Section 364
TID 5103. Parameters 365
TID 5103. Vascular Ultrasound Section 365
TID 5104. Parameters 365
TID 5104. Vascular Ultrasound Measurement Group 365
TID 5105. Ultrasound Graft Section 366
TID 5200. Echocardiography Procedure Report 367
TID 5201. Echocardiography Patient Characteristics 369
TID 5202. Parameters 370
TID 5202. Echo Section 370
TID 5203. Parameters 371
TID 5203. Echo Measurement 371
TID 5204. Parameters 372
TID 5204. Wall Motion Analysis 372
5204-1. Numeric Score Assignment for Segmental Findings 373
TID 5220. Pediatric, Fetal and Congenital Cardiac Ultrasound Reports 374
TID 5221. Cardiac Ultrasound Pediatric Echo Measurement Section 375
TID 5222. Parameters 377
TID 5222. Pediatric, Fetal and Congenital Cardiac Ultrasound Section 377
TID 5223. Parameters 378
TID 5223. Pediatric, Fetal and Congenital Cardiac Ultrasound Measurement 378
TID 5225. Cardiac Ultrasound Fetal Characteristics 379
TID 5226. Cardiac Ultrasound Summary Section 379
TID 5227. Cardiac Ultrasound Fetal Summary Section 380
TID 5228. Cardiac Ultrasound Fetal Measurement Section 380
TID 5300. Simplified Echo Procedure Report 382
TID 5301. Parameters 385
TID 5301. Pre-coordinated Echo Measurement 385
TID 5302. Parameters 386
TID 5302. Post-coordinated Echo Measurement 386
TID 5303. Parameters 390
TID 5303. Adhoc Measurement 390
TID 7000. Implantation Plan 392
TID 7001. Related Implantation Reports 397
TID 8101. Preclinical Small Animal Image Acquisition Context 398
TID 8110. Biosafety Conditions 400
TID 8121. Animal Housing 400
TID 8122. Animal Feeding 403
TID 8130. Anesthesia 404
TID 8131. Parameters 406
TID 8131. Medications and Mixture Medications 406
TID 8140. Heating Conditions 408
TID 8150. Circadian Effects 408
TID 8170. Physiological Monitoring Performed During Procedure 409
TID 8182. Parameters 409
TID 8182. Exogenous Substance Administration 410
TID 9000. Relevant Patient Information for Breast Imaging 411
TID 9001. Gynecological History 412
TID 9002. Parameters 414

TID 9002. Medication, Substance, Environmental Exposure 414
TID 9003. Parameters 415
TID 9003. Previous Procedure 415
TID 9004. Parameters 416
TID 9004. Indicated Problem 416
TID 9005. Parameters 417
TID 9005. Risk Factor 417
TID 9006. Obstetric History 418
TID 9007. General Relevant Patient Information 419
TID 10001. Projection X-Ray Radiation Dose 420
TID 10002. Parameters 422
TID 10002. Accumulated X-Ray Dose 423
TID 10003. Irradiation Event X-Ray Data 425
TID 10003A. Irradiation Event X-Ray Detector Data 428
TID 10003B. Irradiation Event X-Ray Source Data 429
TID 10003C. Irradiation Event X-Ray Mechanical Data 431
TID 10004. Accumulated Fluoroscopy and Acquisition Projection X-Ray Dose 432
TID 10005. Accumulated Mammography X-Ray Dose 433
TID 10006. Accumulated Cassette-Based Projection Radiography Dose 434
TID 10007. Accumulated Total Projection Radiography Dose 434
TID 10011. CT Radiation Dose 435
TID 10012. CT Accumulated Dose Data 436
TID 10013. CT Irradiation Event Data 439
TID 10014. Scanning Length 445
TID 10015. CT Dose Check Details 446
TID 10021. Radiopharmaceutical Radiation Dose 449
TID 10022. Radiopharmaceutical Administration Event Data 450
TID 10023. Organ Dose 452
TID 10024. Imaging Agent Administration Patient Characteristics 453
TID 10030. Patient Radiation Dose 455
TID 10031. Radiation Dose Estimate 455
TID 10032. Radiation Dose Estimate Representation 457
TID 10033. Radiation Dose Estimate Methodology 457
TID 10034. Radiation Dose Estimate Parameters 462
TID 11001. Planned Imaging Agent Administration 463
TID 11002. Imaging Agent Information 464
TID 11003. Imaging Agent Administration Syringe/Pump Phase Activity 464
TID 11004. Imaging Agent Component 466
TID 11005. Imaging Agent Administration Consumable 468
TID 11006. Imaging Agent Administration Steps 470
TID 11007. Imaging Agent Administration Step 470
TID 11008. Imaging Agent Administration Phase 472
TID 11020. Performed Imaging Agent Administration 474
TID 11021. Imaging Agent Administration Adverse Events 475
TID 11022. Imaging Agent Administration Injector Events 476
TID 11023. Imaging Agent Administration Graph 477
CID 2. Anatomic Modifier 479
CID 4. Anatomic Region 480
CID 5. Transducer Approach 483
CID 6. Transducer Orientation 484
CID 7. Ultrasound Beam Path 485
CID 8. Angiographic Interventional Devices 485
CID 9. Image Guided Therapeutic Procedures 486
CID 10. Interventional Drug 487
CID 11. Route of Administration 488
CID 12. Radiographic Contrast Agent 489
CID 13. Radiographic Contrast Agent Ingredient 491
CID 18. Isotopes in Radiopharmaceuticals 492
CID 19. Patient Orientation 493
CID 20. Patient Orientation Modifier 493

CID 21. Patient Equipment Relationship 494
CID 23. Cranio-Caudad Angulation 495
CID 25. Radiopharmaceuticals 495
CID 26. Nuclear Medicine Projections 498
CID 27. Basic Cardiac Views 499
CID 29. Acquisition Modality 500
CID 30. DICOM Devices 501
CID 31. Abstract Priors 501
CID 32. Non-Acquisition Modality 502
CID 33. Modality 503
CID 42. Numeric Value Qualifier 503
CID 50. Instance Availability Status 504
CID 60. Imaging Agent Administration Adverse Events 504
CID 61. Time Relative to Procedure 505
CID 62. Imaging Agent Administration Phase Type 505
CID 63. Imaging Agent Administration Mode 506
CID 64. Imaging Agent Administration Patient State 506
CID 65. Pre-Medication for Imaging Agent Administration 507
CID 66. Medication for Imaging Agent Administration 507
CID 67. Imaging Agent Administration Completion Status 507
CID 68. Imaging Agent Administration Pharmaceutical Unit of Presentation 508
CID 69. Imaging Agent Administration Consumables 508
CID 70. Flush 509
CID 71. Imaging Agent Administration Injector Event Type 509
CID 72. Imaging Agent Administration Step Type 510
CID 73. Bolus Shaping Curves 510
CID 74. Imaging Agent Administration Consumable Catheter Type 510
CID 75. Low-High-Equal 511
CID 76. Type of Pre-Medication 511
CID 83. Units for Real World Value Mapping 511
CID 84. PET Units 512
CID 85. SUV Units 512
CID 91. Functional Condition Present During Acquisition 513
CID 92. Joint Position During Acquisition 513
CID 93. Joint Positioning Method 514
CID 94. Physical Force Applied During Acquisition 514
CID 100. Quantitative Diagnostic Imaging Procedures 514
CID 210. Qualitative Evaluation Modifier Types 515
CID 211. Qualitative Evaluation Modifier Values 515
CID 212. Generic Anatomic Location Modifiers 516
CID 218. Quantitative Image Features 516
CID 220. Level of Significance 516
CID 221. Measurement Range Concepts 517
CID 222. Normality Codes 517
CID 223. Normal Range Values 517
CID 224. Selection Method 517
CID 225. Measurement Uncertainty Concepts 518
CID 226. Population Statistical Descriptors 518
CID 227. Sample Statistical Descriptors 519
CID 228. Equation or Table 519
CID 230. Yes-No 519
CID 231. Yes-No Only 519
CID 240. Present-Absent 520
CID 241. Present-Absent Only 520
CID 242. Normal-Abnormal 520
CID 244. Laterality 521
CID 245. Laterality with Median 521
CID 246. Relative Laterality 521
CID 247. Laterality Left-Right Only 522
CID 250. Positive-Negative 522

CID 251. Severity of Complication 522
CID 252. S-M-L Size Descriptor 522
CID 270. Observer Type 523
CID 271. Observation Subject Class 523
CID 280. Longitudinal Temporal Event Types 523
CID 300. Multi-energy Relevant Materials 523
CID 301. Multi-energy Material Units 524
CID 400. Audit Event ID 525
CID 401. Audit Event Type Code 525
CID 402. Audit Active Participant Role ID Code 526
CID 403. Security Alert Type Code 526
CID 404. Audit Participant Object ID Type Code 527
CID 405. Media Type Code 527
CID 501. Volumetric View Description 528
CID 502. Volumetric View Modifier 528
CID 601. Biosafety Levels 528
CID 602. Biosafety Control Reasons 529
CID 603. Animal Room Types 529
CID 604. Device Reuse 530
CID 605. Animal Bedding Material 530
CID 606. Animal Shelter Types 530
CID 607. Animal Feed Types 530
CID 608. Animal Feed Sources 531
CID 609. Animal Feeding Methods 531
CID 610. Water Types 532
CID 611. Anesthesia Category Code Type for Small Animal Anesthesia 532
CID 612. Anesthesia Category Code Type from Anesthesia Quality Initiative (AQI) 532
CID 613. Anesthesia Induction Code Type for Small Animal Anesthesia 533
CID 614. Anesthesia Induction Code Type from Anesthesia Quality Initiative (AQI) 533
CID 615. Anesthesia Maintenance Code Type for Small Animal Anesthesia 533
CID 616. Anesthesia Maintenance Code Type from Anesthesia Quality Initiative (AQI) 534
CID 617. Airway Management Method Code Type for Small Animal Anesthesia 534
CID 618. Airway Management Method Code Type from Anesthesia Quality Initiative (AQI) 534
CID 619. Airway Management Sub-Method Code Type for Small Animal Anesthesia 535
CID 620. Airway Management Sub-Method Code Type from Anesthesia Quality Initiative (AQI) 535
CID 621. Type of Medication for Small Animal Anesthesia 536
CID 622. Medication Type Code Type from Anesthesia Quality Initiative (AQI) 536
CID 623. Medication for Small Animal Anesthesia 538
CID 624. Inhalational Anesthesia Agents for Small Animal Anesthesia 538
CID 625. Injectable Anesthesia Agents for Small Animal Anesthesia 539
CID 626. Premedication Agents for Small Animal Anesthesia 540
CID 627. Neuromuscular Blocking Agents for Small Animal Anesthesia 540
CID 628. Ancillary Medications for Small Animal Anesthesia 540
CID 629. Carrier Gases for Small Animal Anesthesia 541
CID 630. Local Anesthetics for Small Animal Anesthesia 541
CID 631. Phase of Procedure Requiring Anesthesia 542
CID 632. Phase of Surgical Procedure Requiring Anesthesia 542
CID 633. Phase of Imaging Procedure Requiring Anesthesia 542
CID 634. Phase of Animal Handling 542
CID 635. Heating Method 543
CID 636. Temperature Sensor Device Component Type for Small Animal Procedures 543
CID 637. Exogenous Substance Types 544
CID 638. Exogenous Substance 544
CID 639. Tumor Graft Histologic Type 545
CID 640. Fibrils 545
CID 641. Viruses 546
CID 642. Cytokines 546
CID 643. Toxins 546
CID 644. Exogenous Substance Administration Sites 547
CID 645. Exogenous Substance Tissue of Origin 547

CID 646. Preclinical Small Animal Imaging Procedures 548
CID 647. Position Reference Indicator for Frame of Reference 548
CID 701. Content Assessment Types 549
CID 702. RT Content Assessment Types 549
CID 703. Basis of Assessment 549
CID 800. Protocol Assertion Codes 549
CID 1000. CT Transverse Plane Reference Basis 550
CID 1001. Anatomical Reference Basis 551
CID 1002. Anatomical Reference Basis - Head 551
CID 1003. Anatomical Reference Basis - Spine 552
CID 1004. Anatomical Reference Basis - Chest 552
CID 1005. Anatomical Reference Basis - Abdomen/Pelvis 553
CID 1006. Anatomical Reference Basis - Extremities 554
CID 1010. Reference Geometry - Planes 554
CID 1011. Reference Geometry - Points 555
CID 1015. Patient Alignment Methods 555
CID 1200. Contraindications For CT Imaging 555
CID 3000. Audio Channel Source 556
CID 3001. ECG Leads 556
CID 3003. Hemodynamic Waveform Sources 559
CID 3004. Arterial Pulse Waveform 560
CID 3005. Respiration Waveform 560
CID 3010. Cardiovascular Anatomic Locations 561
CID 3011. Electrophysiology Anatomic Locations 564
CID 3014. Coronary Artery Segments 566
CID 3015. Coronary Arteries 567
CID 3016. Major Coronary Arteries 567
CID 3019. Cardiovascular Anatomic Location Modifiers 568
CID 3083. Units of Radioactivity 569
CID 3090. Time Synchronization Channel Types 569
CID 3101. Cardiac Procedural State Values 569
CID 3102. Rest-Stress 570
CID 3104. Cardiac Synchronization Technique 570
CID 3106. PET Cardiology Protocols 570
CID 3107. PET Cardiology Radiopharmaceuticals 570
CID 3108. NM/PET Procedures 571
CID 3110. Nuclear Cardiology Protocols 571
CID 3111. Nuclear Cardiology Radiopharmaceuticals 572
CID 3112. Attenuation Correction 572
CID 3113. Types of Perfusion Defects 572
CID 3114. Study Quality 573
CID 3115. Stress Imaging Quality Issues 573
CID 3116. NM Extracardiac Findings 573
CID 3117. Attenuation Correction Methods 574
CID 3118. Level of Risk 574
CID 3119. LV Function 574
CID 3120. Perfusion Findings 574
CID 3121. Perfusion Morphology 575
CID 3122. Ventricular Enlargement 575
CID 3200. Stress Test Procedure 575
CID 3201. Indications for Stress Test 576
CID 3202. Chest Pain 576
CID 3203. Exerciser Device 577
CID 3204. Stress Agents 577
CID 3205. Indications for Pharmacological Stress Test 577
CID 3206. Non-invasive Cardiac Imaging Procedures 578
CID 3207. Stress Test Procedure Phases 578
CID 3208. Summary Codes Exercise ECG 579
CID 3209. Summary Codes Stress Imaging 579
CID 3210. Speed of Response 579

CID 3211. BP Response 580
CID 3212. Treadmill Speed 580
CID 3213. Stress Hemodynamic Findings 580
CID 3215. Perfusion Finding Method 580
CID 3217. Comparison Finding 581
CID 3220. Stress Symptoms 581
CID 3221. Stress Test Termination Reasons 581
CID 3227. QTc Measurements 582
CID 3228. ECG Timing Measurements 583
CID 3229. ECG Axis Measurements 583
CID 3230. ECG Findings 584
CID 3231. ST Segment Findings 585
CID 3232. ST Segment Location 585
CID 3233. ST Segment Morphology 585
CID 3234. Ectopic Beat Morphology 586
CID 3235. Perfusion Comparison Findings 586
CID 3236. Tolerance Comparison Findings 586
CID 3237. Wall Motion Comparison Findings 587
CID 3238. Stress Scoring Scales 587
CID 3239. Perceived Exertion Scales 587
CID 3240. Electrophysiology Measurement Functions and Techniques 588
CID 3241. Hemodynamic Measurement Techniques 588
CID 3250. Catheterization Procedure Phase 589
CID 3254. Electrophysiology Procedure Phase 589
CID 3261. Stress Protocols 590
CID 3262. ECG Patient State Values 591
CID 3263. Electrode Placement Values 591
CID 3271. Hemodynamic Physiological Challenges 592
CID 3335. ECG Annotations 593
CID 3337. Hemodynamic Annotations 596
CID 3339. Electrophysiology Annotations 597
CID 3400. Procedure Log Titles 597
CID 3401. Types of Log Notes 598
CID 3402. Patient Status and Events 598
CID 3403. Percutaneous Entry 599
CID 3404. Staff Actions 599
CID 3405. Procedure Action Values 599
CID 3406. Non-coronary Transcatheter Interventions 600
CID 3407. Purpose of Reference to Object 600
CID 3408. Actions With Consumables 601
CID 3409. Administration of Drugs/Contrast 601
CID 3410. Numeric Parameters of Drugs/Contrast 601
CID 3411. Intracoronary Devices 602
CID 3412. Intervention Actions and Status 602
CID 3413. Adverse Outcomes 603
CID 3414. Procedure Urgency 603
CID 3415. Cardiac Rhythms 604
CID 3416. Respiration Rhythms 606
CID 3418. Lesion Risk 606
CID 3419. Findings Titles 606
CID 3421. Procedure Action 607
CID 3422. Device Use Actions 607
CID 3423. Numeric Device Characteristics 607
CID 3425. Intervention Parameters 608
CID 3426. Consumables Parameters 608
CID 3427. Equipment Events 608
CID 3428. Imaging Procedures 608
CID 3429. Catheterization Devices 609
CID 3430. DateTime Qualifiers 610
CID 3440. Peripheral Pulse Locations 610

CID 3441. Patient Assessments 610
CID 3442. Peripheral Pulse Methods 611
CID 3446. Skin Condition 611
CID 3448. Airway Assessment 611
CID 3451. Calibration Objects 611
CID 3452. Calibration Methods 612
CID 3453. Cardiac Volume Methods 612
CID 3455. Index Methods 612
CID 3456. Sub-segment Methods 613
CID 3458. Contour Realignment 613
CID 3460. Circumferential Extent 613
CID 3461. Regional Extent 613
CID 3462. Chamber Identification 614
CID 3463. Ventricle Identification 614
CID 3465. QA Reference Methods 614
CID 3466. Plane Identification 615
CID 3467. Ejection Fraction 615
CID 3468. ED Volume 615
CID 3469. ES Volume 616
CID 3470. Vessel Lumen Cross-sectional Area Calculation Methods 616
CID 3471. Estimated Volumes 616
CID 3472. Cardiac Contraction Phase 616
CID 3480. IVUS Procedure Phases 617
CID 3481. IVUS Distance Measurements 617
CID 3482. IVUS Area Measurements 617
CID 3483. IVUS Longitudinal Measurements 618
CID 3484. IVUS Indices and Ratios 618
CID 3485. IVUS Volume Measurements 618
CID 3486. Vascular Measurement Sites 619
CID 3487. Intravascular Volumetric Regions 619
CID 3488. Min/Max/Mean 620
CID 3489. Calcium Distribution 620
CID 3491. IVUS Lesion Morphologies 620
CID 3492. Vascular Dissection Classifications 621
CID 3493. IVUS Relative Stenosis Severities 621
CID 3494. IVUS Non Morphological Findings 621
CID 3495. IVUS Plaque Composition 622
CID 3496. IVUS Fiducial Points 622
CID 3497. IVUS Arterial Morphology 623
CID 3500. Pressure Units 623
CID 3502. Hemodynamic Resistance Units 623
CID 3503. Indexed Hemodynamic Resistance Units 623
CID 3510. Catheter Size Units 624
CID 3515. Specimen Collection 624
CID 3520. Blood Source Type 624
CID 3524. Blood Gas Pressures 625
CID 3525. Blood Gas Content 625
CID 3526. Blood Gas Saturation 625
CID 3527. Blood Base Excess 626
CID 3528. Blood pH 626
CID 3529. Arterial / Venous Content 626
CID 3530. Oxygen Administration Actions 627
CID 3531. Oxygen Administration 627
CID 3550. Circulatory Support Actions 627
CID 3551. Ventilation Actions 627
CID 3552. Pacing Actions 628
CID 3553. Circulatory Support 628
CID 3554. Ventilation 628
CID 3555. Pacing 628
CID 3560. Blood Pressure Methods 629

CID 3600. Relative Times 629
CID 3602. Hemodynamic Patient State 629
CID 3604. Arterial Lesion Locations 630
CID 3606. Arterial Source Locations 630
CID 3607. Venous Source Locations 632
CID 3608. Atrial Source Locations 633
CID 3609. Ventricular Source Locations 633
CID 3610. Gradient Source Locations 634
CID 3611. Pressure Measurements 634
CID 3612. Blood Velocity Measurements 635
CID 3613. Hemodynamic Time Measurements 635
CID 3614. Valve Areas, Non-mitral 636
CID 3615. Valve Areas 636
CID 3616. Hemodynamic Period Measurements 636
CID 3617. Valve Flows 636
CID 3618. Hemodynamic Flows 637
CID 3619. Hemodynamic Resistance Measurements 637
CID 3620. Hemodynamic Ratios 637
CID 3621. Fractional Flow Reserve 638
CID 3627. Measurement Type 638
CID 3628. Cardiac Output Methods 639
CID 3629. Procedure Intent 639
CID 3630. Cardiovascular Anatomic Locations 640
CID 3640. Hypertension 640
CID 3641. Hemodynamic Assessments 640
CID 3642. Degree Findings 641
CID 3651. Hemodynamic Measurement Phase 641
CID 3663. Body Surface Area Equations 641
CID 3664. Oxygen Consumption Equations and Tables 642
CID 3666. P50 Equations 642
CID 3667. Framingham Scores 643
CID 3668. Framingham Tables 643
CID 3670. ECG Procedure Types 643
CID 3671. Reason for ECG Exam 644
CID 3676. Lead Measurement Technique 645
CID 3677. Summary Codes ECG 645
CID 3678. QT Correction Algorithms 645
CID 3680. ECG Lead Noise Descriptions 646
CID 3687. Electrophysiology Waveform Durations 647
CID 3688. Electrophysiology Waveform Voltages 648
CID 3689. ECG Global Waveform Durations 649
CID 3690. ECG Control Variables Numeric 649
CID 3691. ECG Control Variables Text 650
CID 3700. Cath Diagnosis 651
CID 3701. Cardiac Valves and Tracts 652
CID 3703. Wall Motion 652
CID 3704. Myocardium Wall Morphology Findings 653
CID 3705. Chamber Size 653
CID 3706. Overall Contractility 654
CID 3707. VSD Description 654
CID 3709. Aortic Root Description 654
CID 3710. Coronary Dominance 655
CID 3711. Valvular Abnormalities 655
CID 3712. Vessel Descriptors 655
CID 3713. TIMI Flow Characteristics 656
CID 3714. Thrombus 656
CID 3715. Lesion Margin 656
CID 3716. Severity 657
CID 3717. Myocardial Wall Segments 657
CID 3718. Myocardial Wall Segments in Projection 658

CID 3719. Canadian Clinical Classification 658
CID 3721. Cardiovascular Surgeries 659
CID 3722. Diabetic Therapy 659
CID 3723. MI Types 660
CID 3724. Smoking History 660
CID 3726. Indications for Coronary Intervention 661
CID 3727. Indications for Catheterization 661
CID 3728. Cath Findings 661
CID 3729. Admission Status 663
CID 3730. Insurance Payor 663
CID 3733. Primary Cause of Death 663
CID 3735. Acute Coronary Syndrome Time Period 664
CID 3736. NYHA Classification 664
CID 3737. Non-invasive Test - Ischemia 664
CID 3738. Pre-Cath Angina Type 665
CID 3739. Cath Procedure Type 665
CID 3740. Thrombolytic Administration 665
CID 3741. Medication Administration, Lab Visit 666
CID 3742. Medication Administration, PCI 666
CID 3743. Clopidogrel/Ticlopidine Administration 666
CID 3744. EF Testing Method 667
CID 3745. Calculation Method 667
CID 3746. Percutaneous Entry Site 667
CID 3747. Percutaneous Closure 668
CID 3748. Angiographic EF Testing Method 668
CID 3749. PCI Procedure Result 668
CID 3750. Previously Dilated Lesion 669
CID 3752. Guidewire Crossing 669
CID 3754. Vascular Complications 669
CID 3755. Cath Complications 670
CID 3756. Cardiac Patient Risk Factors 670
CID 3757. Cardiac Diagnostic Procedures 671
CID 3758. Cardiovascular Family History 672
CID 3760. Hypertension Therapy 672
CID 3761. Antilipemic Agents 673
CID 3762. Antiarrhythmic Agents 673
CID 3764. Myocardial Infarction Therapies 673
CID 3769. Concern Types 674
CID 3770. Problem Status 674
CID 3772. Health Status 674
CID 3773. Use Status 675
CID 3774. Social History 675
CID 3777. Implanted Devices 675
CID 3778. Stages 676
CID 3802. Plaque Structures 676
CID 3804. Stenosis Measurement Methods 676
CID 3805. Stenosis Types 677
CID 3806. Stenosis Shape 677
CID 3807. Volume Measurement Methods 677
CID 3808. Aneurysm Types 678
CID 3809. Associated Conditions 678
CID 3810. Vascular Morphology 679
CID 3813. Stent Findings 679
CID 3814. Stent Composition 680
CID 3815. Source of Vascular Finding 680
CID 3817. Vascular Sclerosis Types 680
CID 3820. Non-invasive Vascular Procedures 681
CID 3821. Papillary Muscle Included/Excluded 681
CID 3823. Respiratory Status 681
CID 3826. Heart Rhythm 682

CID 3827. Vessel Segments 682
CID 3829. Pulmonary Arteries 683
CID 3831. Stenosis Length 683
CID 3832. Stenosis Grade 683
CID 3833. Cardiac Ejection Fraction 684
CID 3835. Cardiac Volume Measurements 684
CID 3836. Time-based Perfusion Measurements 684
CID 3837. Fiducial Feature 684
CID 3838. Diameter Derivation 685
CID 3839. Coronary Veins 685
CID 3840. Pulmonary Veins 686
CID 3843. Myocardial Subsegment 686
CID 3850. Contrast Bolus Substance 686
CID 4005. Partial View Section for Mammography 687
CID 4009. DX Anatomy Imaged 687
CID 4010. DX View 687
CID 4011. DX View Modifier 689
CID 4012. Projection Eponymous Name 689
CID 4013. Anatomic Region for Mammography 692
CID 4014. View for Mammography 692
CID 4015. View Modifier for Mammography 693
CID 4016. Anatomic Region for Intra-oral Radiography 694
CID 4017. Anatomic Region Modifier for Intra-oral Radiography 694
CID 4018. Primary Anatomic Structure for Intra-oral Radiography (Permanent Dentition - Designation of Teeth) 695
CID 4019. Primary Anatomic Structure for Intra-oral Radiography (Deciduous Dentition - Designation of Teeth) 696
CID 4020. PET Radionuclide 697
CID 4021. PET Radiopharmaceutical 699
CID 4025. Primary Anatomic Structure for Intra-oral Radiography (Supernumerary Dentition - Designation of Teeth) 702
CID 4026. Primary Anatomic Structure for Intra-oral and Craniofacial Radiography - Teeth 705
CID 4028. Craniofacial Anatomic Regions 705
CID 4029. Dermatology Anatomic Sites 706
CID 4030. CT, MR and PET Anatomy Imaged 716
CID 4031. Common Anatomic Regions 717
CID 4032. MR Spectroscopy Metabolites 720
CID 4033. MR Proton Spectroscopy Metabolites 720
CID 4040. Endoscopy Anatomic Regions 721
CID 4042. XA/XRF Anatomy Imaged 722
CID 4050. Drug or Contrast Agent Characteristics 722
CID 4051. General Devices 722
CID 4052. Phantom Devices 723
CID 4100. T1 Measurement Methods 723
CID 4101. Tracer Kinetic Models 723
CID 4102. Perfusion Measurement Methods 724
CID 4103. Arterial Input Function Measurement Methods 724
CID 4104. Bolus Arrival Time Derivation Methods 724
CID 4105. Perfusion Analysis Methods 725
CID 4106. Quantitative Methods used for Perfusion And Tracer Kinetic Models 725
CID 4107. Tracer Kinetic Model Parameters 725
CID 4108. Perfusion Model Parameters 726
CID 4109. Model-Independent Dynamic Contrast Analysis Parameters 726
CID 4110. Tracer Kinetic Modeling Covariates 727
CID 4111. Contrast Characteristics 728
CID 4200. Ophthalmic Imaging Agent 728
CID 4201. Patient Eye Movement Command 728
CID 4202. Ophthalmic Photography Acquisition Device 729
CID 4203. Ophthalmic Photography Illumination 729
CID 4204. Ophthalmic Filter 730
CID 4205. Ophthalmic Lens 730
CID 4206. Ophthalmic Channel Description 730
CID 4207. Ophthalmic Image Position 731

CID 4208. Mydriatic Agent 732
CID 4209. Ophthalmic Anatomic Structure Imaged 732
CID 4210. Ophthalmic Tomography Acquisition Device 733
CID 4211. Ophthalmic OCT Anatomic Structure Imaged 733
CID 4214. Ophthalmic Horizontal Directions 734
CID 4215. Ophthalmic Vertical Directions 734
CID 4216. Ophthalmic Visual Acuity Type 734
CID 4220. Visual Fixation Quality During Acquisition 735
CID 4221. Visual Fixation Quality Problem 735
CID 4222. Ophthalmic Macular Grid Problem 735
CID 4230. Ophthalmic Ultrasound Axial Measurements Type 736
CID 4231. Lens Status 736
CID 4232. Vitreous Status 736
CID 4233. Ophthalmic Axial Length Measurements Segment Names 736
CID 4234. Refractive Surgery Types 737
CID 4235. Keratometry Descriptors 737
CID 4236. IOL Calculation Formula 737
CID 4237. Lens Constant Type 738
CID 4238. Refractive Error Types 738
CID 4239. Anterior Chamber Depth Definition 739
CID 4240. Ophthalmic Measurement or Calculation Data Source 739
CID 4241. Ophthalmic Axial Length Selection Method 739
CID 4242. Cornea Measurement Method Descriptors 739
CID 4243. Ophthalmic Quality Metric Type 740
CID 4244. Ophthalmic Agent Concentration Units 740
CID 4245. Wide Field Ophthalmic Photography Transformation Method 740
CID 4250. Visual Field Static Perimetry Test Patterns 740
CID 4251. Visual Field Static Perimetry Test Strategies 741
CID 4252. Visual Field Static Perimetry Screening Test Modes 742
CID 4253. Visual Field Static Perimetry Fixation Strategy 742
CID 4254. Visual Field Static Perimetry Test Analysis Results 742
CID 4255. Visual Field Illumination Color 743
CID 4256. Visual Field Procedure Modifier 743
CID 4257. Visual Field Global Index Name 743
CID 4260. Ophthalmic Mapping Units for Real World Value Mapping 744
CID 4261. Ophthalmic Mapping Acquisition Method 744
CID 4262. Retinal Thickness Definition 744
CID 4263. Ophthalmic Thickness Map Value Type 744
CID 4264. Ophthalmic Map Purposes of Reference 745
CID 4265. Ophthalmic Thickness Deviation Categories 745
CID 4266. Ophthalmic Anatomic Structure Reference Point 745
CID 4267. Corneal Topography Mapping Units for Real World Value Mapping 746
CID 4268. Corneal Topography Map Value Type 746
CID 4270. OCT-A Processing Algorithm Families 746
CID 4271. En Face Image Types 747
CID 4272. OPT Scan Pattern Types 747
CID 4273. Retinal Segmentation Surfaces 748
CID 6000. Overall Breast Composition 749
CID 6001. Overall Breast Composition from BI-RADS® 749
CID 6002. Change Since Last Mammogram or Prior Surgery 750
CID 6003. Change Since Last Mammogram or Prior Surgery from BI-RADS® 750
CID 6004. Mammography Characteristics of Shape 751
CID 6005. Characteristics of Shape from BI-RADS® 751
CID 6006. Mammography Characteristics of Margin 751
CID 6007. Characteristics of Margin from BI-RADS® 752
CID 6008. Density Modifier 752
CID 6009. Density Modifier from BI-RADS® 752
CID 6010. Mammography Calcification Types 753
CID 6011. Calcification Types from BI-RADS® 753
CID 6012. Calcification Distribution Modifier 754

CID 6013. Calcification Distribution Modifier from BI-RADS® 754
CID 6014. Mammography Single Image Finding 754
CID 6015. Single Image Finding from BI-RADS® 755
CID 6016. Mammography Composite Feature 755
CID 6017. Composite Feature from BI-RADS® 756
CID 6018. Clockface Location or Region 756
CID 6019. Clockface Location or Region from BI-RADS® 756
CID 6020. Quadrant Location 757
CID 6021. Quadrant Location from BI-RADS® 757
CID 6022. Side 758
CID 6023. Side from BI-RADS® 758
CID 6024. Depth 758
CID 6025. Depth from BI-RADS® 759
CID 6026. Mammography Assessment 759
CID 6027. Assessment from BI-RADS® 759
CID 6028. Mammography Recommended Follow-up 760
CID 6029. Recommended Follow-up from BI-RADS® 760
CID 6030. Mammography Pathology Codes 761
CID 6031. Benign Pathology Codes from BI-RADS® 762
CID 6032. High Risk Lesions Pathology Codes from BI-RADS® 764
CID 6033. Malignant Pathology Codes from BI-RADS® 764
CID 6034. Intended Use of CAD Output 766
CID 6035. Composite Feature Relations 766
CID 6036. Scope of Feature 767
CID 6037. Mammography Quantitative Temporal Difference Type 767
CID 6038. Mammography Qualitative Temporal Difference Type 767
CID 6039. Nipple Characteristic 768
CID 6040. Non-lesion Object Type 768
CID 6041. Mammography Image Quality Finding 768
CID 6042. Status of Results 770
CID 6043. Types of Mammography CAD Analysis 770
CID 6044. Types of Image Quality Assessment 770
CID 6045. Mammography Types of Quality Control Standard 771
CID 6046. Units of Follow-up Interval 771
CID 6047. CAD Processing and Findings Summary 771
CID 6048. CAD Operating Point Axis Label 772
CID 6050. Breast Procedure Reported 772
CID 6051. Breast Procedure Reason 773
CID 6052. Breast Imaging Report Section Title 774
CID 6053. Breast Imaging Report Elements 775
CID 6054. Breast Imaging Findings 775
CID 6055. Breast Clinical Finding or Indicated Problem 775
CID 6056. Associated Findings for Breast 776
CID 6057. Ductography Findings for Breast 777
CID 6058. Procedure Modifiers for Breast 777
CID 6059. Breast Implant Types 777
CID 6060. Breast Biopsy Techniques 778
CID 6061. Breast Imaging Procedure Modifiers 779
CID 6062. Interventional Procedure Complications 779
CID 6063. Interventional Procedure Results 779
CID 6064. Ultrasound Findings for Breast 780
CID 6065. Instrument Approach 780
CID 6066. Target Confirmation 781
CID 6067. Fluid Color 781
CID 6068. Tumor Stages From AJCC 782
CID 6069. Nottingham Combined Histologic Grade 782
CID 6070. Bloom-Richardson Histologic Grade 782
CID 6071. Histologic Grading Method 783
CID 6072. Breast Implant Findings 783
CID 6080. Gynecological Hormones 783

CID 6081. Breast Cancer Risk Factors 784
CID 6082. Gynecological Procedures 785
CID 6083. Procedures for Breast 785
CID 6084. Mammoplasty Procedures 785
CID 6085. Therapies for Breast 785
CID 6086. Menopausal Phase 786
CID 6087. General Risk Factors 786
CID 6088. OB-GYN Maternal Risk Factors 786
CID 6089. Substances 787
CID 6090. Relative Usage, Exposure Amount 788
CID 6091. Relative Frequency of Event Values 788
CID 6092. Quantitative Concepts for Usage, Exposure 788
CID 6093. Qualitative Concepts for Usage, Exposure Amount 789
CID 6094. Qualitative Concepts for Usage, Exposure Frequency 789
CID 6095. Numeric Properties of Procedures 789
CID 6096. Pregnancy Status 789
CID 6097. Side of Family 790
CID 6098. Clinical Course of Disease 790
CID 6099. Racial Group 790
CID 6100. Chest Component Categories 791
CID 6101. Chest Finding or Feature 791
CID 6102. Chest Finding or Feature Modifier 791
CID 6103. Abnormal Lines Finding or Feature 792
CID 6104. Abnormal Opacity Finding or Feature 792
CID 6105. Abnormal Lucency Finding or Feature 793
CID 6106. Abnormal Texture Finding or Feature 794
CID 6107. Width Descriptor 794
CID 6108. Chest Anatomic Structure Abnormal Distribution 794
CID 6109. Radiographic Anatomy Finding or Feature 795
CID 6110. Lung Anatomy Finding or Feature 795
CID 6111. Bronchovascular Anatomy Finding or Feature 796
CID 6112. Pleura Anatomy Finding or Feature 796
CID 6113. Mediastinum Anatomy Finding or Feature 797
CID 6114. Osseous Anatomy Finding or Feature 798
CID 6115. Osseous Anatomy Modifiers 798
CID 6116. Muscular Anatomy 799
CID 6117. Vascular Anatomy 800
CID 6118. Size Descriptor 801
CID 6119. Chest Border Shape 802
CID 6120. Chest Border Definition 802
CID 6121. Chest Orientation Descriptor 802
CID 6122. Chest Content Descriptor 803
CID 6123. Chest Opacity Descriptor 803
CID 6124. Location in Chest 803
CID 6125. General Chest Location 804
CID 6126. Location in Lung 804
CID 6127. Segment Location in Lung 804
CID 6128. Chest Distribution Descriptor 805
CID 6129. Chest Site Involvement 805
CID 6130. Severity Descriptor 806
CID 6131. Chest Texture Descriptor 806
CID 6132. Chest Calcification Descriptor 807
CID 6133. Chest Quantitative Temporal Difference Type 807
CID 6134. Chest Qualitative Temporal Difference Type 807
CID 6135. Image Quality Finding 808
CID 6136. Chest Types of Quality Control Standard 808
CID 6137. Types of CAD Analysis 809
CID 6138. Chest Non-lesion Object Type 809
CID 6139. Non-lesion Modifiers 809
CID 6140. Calculation Methods 810

CID 6141. Attenuation Coefficient Measurements 810
CID 6142. Calculated Value 810
CID 6143. Lesion Response 811
CID 6144. RECIST Defined Lesion Response 811
CID 6145. Baseline Category 812
CID 6146. Time Point Types 812
CID 6147. Response Criteria 812
CID 6151. Background Echotexture 813
CID 6152. Orientation 813
CID 6153. Lesion Boundary 813
CID 6154. Echo Pattern 814
CID 6155. Posterior Acoustic Features 814
CID 6157. Vascularity 814
CID 6158. Correlation to Other Findings 815
CID 6159. Malignancy Type 815
CID 6160. Breast Primary Tumor Assessment From AJCC 815
CID 6161. Clinical Regional Lymph Node Assessment for Breast 816
CID 6162. Assessment of Metastasis for Breast 817
CID 6163. Menstrual Cycle Phase 817
CID 6164. Time Intervals 818
CID 6165. Breast Linear Measurements 818
CID 6166. CAD Geometry Secondary Graphical Representation 818
CID 6200. Colon Overall Assessment 819
CID 6201. Colon Finding or Feature 819
CID 6202. Colon Finding or Feature Modifier 819
CID 6203. Colon Non-lesion Object Type 820
CID 6204. Anatomic Non-colon Findings 821
CID 6205. Clockface Location for Colon 821
CID 6206. Recumbent Patient Orientation for Colon 822
CID 6207. Colon Quantitative Temporal Difference Type 822
CID 6208. Colon Types of Quality Control Standard 822
CID 6209. Colon Morphology Descriptor 823
CID 6210. Location in Intestinal Tract 823
CID 6211. Colon CAD Material Description 823
CID 6212. Calculated Value for Colon Findings 824
CID 6300. Prostate Sector Anatomy 824
CID 6301. Prostate Sector Anatomy from PI-RADS v2 824
CID 6302. Prostate Sector Anatomy from European Concensus 16 Sector (Minimal) Model 826
CID 6303. Prostate Sector Anatomy from European Concensus 27 Sector (Optimal) Model 828
CID 6401. Non-lesion Object Type - Physical Objects 829
CID 6402. Non-lesion Object Type - Substances 830
CID 6403. Non-lesion Object Type - Tissues 830
CID 6404. Chest Non-lesion Object Type - Physical Objects 830
CID 6405. Chest Non-lesion Object Type - Tissues 831
CID 7000. Diagnostic Imaging Report Document Titles 831
CID 7001. Diagnostic Imaging Report Headings 832
CID 7002. Diagnostic Imaging Report Elements 833
CID 7003. Diagnostic Imaging Report Purposes of Reference 833
CID 7004. Waveform Purposes of Reference 834
CID 7005. Contributing Equipment Purposes of Reference 834
CID 7006. SR Document Purposes of Reference 834
CID 7008. Media Import 835
CID 7009. Purpose of Reference to Predecessor Report 835
CID 7010. Key Object Selection Document Title 836
CID 7011. Rejected for Quality Reasons 837
CID 7012. Best in Set 838
CID 7013. Non-Image Source Instance Purposes of Reference 838
CID 7014. Export Additional Information Document Titles 838
CID 7015. Export Delay Reasons 838
CID 7016. Level of Difficulty 839

CID 7017. Category of Teaching Material - Imaging 839
CID 7018. Miscellaneous Document Titles 840
CID 7019. Segmentation Non-Image Source Purposes of Reference 840
CID 7021. Measurement Report Document Titles 840
CID 7022. Radiotherapy Purposes of Reference 841
CID 7023. RT Process Output 841
CID 7024. RT Process Input 841
CID 7025. RT Process Input Used 842
CID 7026. Radiotherapeutic Dose Measurement Devices 842
CID 7027. Segmented Radiotherapeutic Dose Measurement Devices 843
CID 7030. Institutional Departments, Units and Services 843
CID 7035. Actionable Finding Classification 846
CID 7036. Image Quality Assessment 846
CID 7039. Pediatric Size Categories 846
CID 7040. Broselow-Luten Pediatric Size Categories 847
CID 7041. Calcium Scoring Patient Size Categories 847
CID 7042. CMDCTECC Calcium Scoring Patient Size Categories 847
CID 7050. De-identification Method 847
CID 7060. Encapsulated Document Source Purposes of Reference 848
CID 7061. Model Document Titles 848
CID 7062. Purpose of Reference to Predecessor 3D Model 849
CID 7063. Model Scale Units 849
CID 7064. Model Usage 849
CID 7100. RCS Registration Method Type 850
CID 7101. Brain Atlas Fiducials 850
CID 7110. Fiducials Categories 850
CID 7111. Fiducials 851
CID 7112. Radiotherapy Fiducials 851
CID 7140. Brain Structures for Volumetric Measurements 851
CID 7150. Segmentation Property Categories 853
CID 7151. Segmentation Property Types 853
CID 7152. Cardiac Structure Segmentation Types 854
CID 7153. CNS Segmentation Types 854
CID 7154. Abdominal Segmentation Types 856
CID 7155. Thoracic Segmentation Types 856
CID 7156. Vascular Segmentation Types 857
CID 7157. Device Segmentation Types 857
CID 7158. Artifact Segmentation Types 858
CID 7159. Lesion Segmentation Types 858
CID 7160. Pelvic Organ Segmentation Types 859
CID 7161. Physiology Segmentation Types 859
CID 7162. Surface Processing Algorithm Families 860
CID 7165. Abstract Segmentation Types 860
CID 7166. Common Tissue Segmentation Types 861
CID 7167. Peripheral Nervous System Segmentation Types 861
CID 7168. Brain Lesion Segmentation Types With Necrosis 862
CID 7169. Brain Lesion Segmentation Types Without Necrosis 862
CID 7180. Abstract Multi-dimensional Image Model Component Semantics 863
CID 7181. Abstract Multi-dimensional Image Model Component Units 866
CID 7182. Abstract Multi-dimensional Image Model Dimension Semantics 867
CID 7183. Abstract Multi-dimensional Image Model Dimension Units 867
CID 7184. Abstract Multi-dimensional Image Model Axis Direction 867
CID 7185. Abstract Multi-dimensional Image Model Axis Orientation 868
CID 7186. Abstract Multi-dimensional Image Model Qualitative Dimension Sample Semantics 868
CID 7191. Tissue Segmentation Property Types 869
CID 7192. Anatomical Structure Segmentation Property Types 869
CID 7193. Physical Object Segmentation Property Types 870
CID 7194. Morphologically Abnormal Structure Segmentation Property Types 870
CID 7195. Function Segmentation Property Types 870
CID 7196. Spatial and Relational Concept Segmentation Property Types 871

CID 7197. Body Substance Segmentation Property Types 871
CID 7198. Substance Segmentation Property Types 871
CID 7201. Referenced Image Purposes of Reference 871
CID 7202. Source Image Purposes of Reference 872
CID 7203. Image Derivation 873
CID 7205. Purpose of Reference to Alternate Representation 874
CID 7210. Related Series Purposes of Reference 874
CID 7215. Spectroscopy Purpose of Reference 874
CID 7220. RT Dose Derivation 874
CID 7221. RT Dose Purpose of Reference 875
CID 7222. Parametric Map Derivation Image Purpose of Reference 875
CID 7250. Multi-Frame Subset Type 875
CID 7260. Diffusion Acquisition Value Types 875
CID 7261. Diffusion Model Value Types 876
CID 7262. Diffusion Tractography Algorithm Families 876
CID 7263. Diffusion Tractography Measurement Types 877
CID 7270. MR Diffusion Component Semantics 877
CID 7271. MR Diffusion Anisotropy Indices 878
CID 7272. MR Diffusion Model Parameters 878
CID 7273. MR Diffusion Models 879
CID 7274. MR Diffusion Model Fitting Methods 879
CID 7275. MR Diffusion Model Specific Methods 879
CID 7276. MR Diffusion Model Inputs 880
CID 7277. Units of Diffusion Rate Area Over Time 880
CID 7300. Implant Materials 880
CID 7301. Intervention Types 880
CID 7302. Implant Templates View Orientations 881
CID 7303. Implant Templates Modified View Orientations 881
CID 7304. Implant Target Anatomy 881
CID 7305. Implant Planning Landmarks 883
CID 7306. Human Hip Implant Planning Landmarks 883
CID 7307. Implant Component Types 883
CID 7308. Human Hip Implant Component Types 883
CID 7309. Human Trauma Implant Component Types 884
CID 7310. Implant Fixation Method 884
CID 7320. Planning Methods 885
CID 7445. Device Participating Roles 885
CID 7449. Reader Specialty 885
CID 7450. Person Roles 886
CID 7451. Family Member 886
CID 7452. Organizational Roles 887
CID 7453. Performing Roles 888
CID 7454. Animal Taxonomic Rank Values 889
CID 7455. Sex 890
CID 7456. Units of Measure for Age 891
CID 7457. Sex - Male Female or Both 891
CID 7460. Units of Linear Measurement 891
CID 7461. Units of Area Measurement 891
CID 7462. Units of Volume Measurement 892
CID 7464. General Region of Interest Measurement Modifiers 892
CID 7465. Measurements Derived From Multiple ROI Measurements 893
CID 7466. PET Region of Interest Measurements 893
CID 7467. Gray Level Co-occurrence Matrix Measurements 893
CID 7468. Texture Measurements 894
CID 7469. Generic Intensity and Size Measurements 894
CID 7470. Linear Measurements 895
CID 7471. Area Measurements 895
CID 7472. Volume Measurements 896
CID 7473. General Area Calculation Methods 896
CID 7474. General Volume Calculation Methods 896

CID 7475. Gray Level Run Length Based Features 897
CID 7476. Gray Level Size Zone Based Features 897
CID 7477. Global Shape Descriptors 898
CID 7478. Intensity Histogram Features 899
CID 7479. Grey Level Distance Zone Based Features 899
CID 7480. Breed 900
CID 7481. Breed Registry 968
CID 7482. DX Anatomy Imaged for Animals 969
CID 7483. Common Anatomic Regions for Animals 969
CID 7484. DX View for Animals 971
CID 7486. Mixed Breeds 974
CID 7490. Research Animal Source Registries 974
CID 7500. Neighbourhood Grey Tone Difference Based Features 975
CID 7501. Neighbouring Grey Level Dependence Based Features 975
CID 7600. Lymph Node Anatomic Sites 975
CID 7601. Head and Neck Cancer Anatomic Sites 981
CID 7701. Fiber Tracts In Brainstem 982
CID 7702. Projection and Thalamic Fibers 982
CID 7703. Association Fibers 983
CID 7704. Limbic System Tracts 983
CID 7705. Commissural Fibers 984
CID 7706. Cranial Nerves 984
CID 7707. Spinal Cord Fibers 985
CID 7710. Tractography Anatomic Sites 985
CID 8101. Container Types 986
CID 8102. Container Component Types 986
CID 8103. Anatomic Pathology Specimen Types 986
CID 8104. Breast Tissue Specimen Types 987
CID 8109. Specimen Collection Procedure 987
CID 8110. Specimen Sampling Procedure 988
CID 8111. Specimen Preparation Procedure 988
CID 8112. Specimen Stains 989
CID 8113. Specimen Preparation Steps 994
CID 8114. Specimen Fixatives 995
CID 8115. Specimen Embedding Media 995
CID 8120. WSI Referenced Image Purposes of Reference 996
CID 8121. Microscopy Lens Type 996
CID 8122. Microscopy Illuminator and Sensor Color 996
CID 8123. Microscopy Illumination Method 997
CID 8124. Microscopy Filter 997
CID 8125. Microscopy Illuminator Type 998
CID 8130. Staining Protocols 998
CID 8131. Pathology Imaging Protocols 999
CID 8132. Magnification Selection 999
CID 8133. Tissue Selection 999
CID 8201. Surface Scan Acquisition Types 999
CID 8202. Surface Scan Mode Types 1000
CID 8203. Surface Scan Registration Method Types 1000
CID 8300. Visual Evaluation Methods 1000
CID 8301. Test Pattern Codes 1001
CID 8302. Measurement Pattern Codes 1004
CID 8303. Display Device Type 1004
CID 9000. Physical Quantity Descriptors 1004
CID 9231. Workitem Definition 1005
CID 9233. Requested Report Types 1006
CID 9241. Radiotherapy General Workitem Definition 1006
CID 9242. Radiotherapy Acquisition Workitem Definition 1006
CID 9243. Radiotherapy Registration Workitem Definition 1007
CID 9250. Scheduled Processing Parameter Concept Codes for RT Treatment 1007
CID 9300. Procedure Discontinuation Reasons 1007

CID 9301. Modality PPS Discontinuation Reasons 1008
CID 9302. Media Import PPS Discontinuation Reasons 1009
CID 9303. Interpretation Request Discontinuation Reasons 1009
CID 9401. IEC61217 Device Position Parameters 1009
CID 9402. IEC61217 Gantry Position Parameters 1010
CID 9403. IEC61217 Patient Support Position Parameters 1010
CID 9500. Dosimetric Objective Types 1010
CID 9501. Prescription Anatomy Categories 1011
CID 9502. RT Segment Annotation Categories 1011
CID 9503. Radiotherapy Therapeutic Role Categories 1011
CID 9504. RT Geometric Information 1012
CID 9505. Fixation or Positioning Devices 1012
CID 9506. Brachytherapy Devices 1012
CID 9507. External Body Models 1012
CID 9508. Nonspecific Volumes 1013
CID 9509. Purpose of Reference for RT Physician Intent Input 1013
CID 9510. Purpose of Reference for RT Treatment Planning Input 1013
CID 9511. General External Radiotherapy Procedure Techniques 1013
CID 9512. Tomotherapeutic Radiotherapy Procedure Techniques 1014
CID 9513. Fixation Devices 1014
CID 9514. Anatomical Structures for Radiotherapy 1015
CID 9515. RT Patient Support Devices 1015
CID 9516. Radiotherapy Bolus Device Types 1015
CID 9517. Radiotherapy Block Device Types 1015
CID 9518. Radiotherapy Accessory No-Slot Holder Device Types 1016
CID 9519. Radiotherapy Accessory Slot Holder Device Types 1016
CID 9520. Segmented RT Accessory Devices 1016
CID 9521. Radiotherapy Treatment Energy Unit 1016
CID 9522. Multi-Source Radiotherapy Procedure Techniques 1017
CID 9523. Robotic Radiotherapy Procedure Techniques 1017
CID 9524. Radiotherapy Procedure Techniques 1017
CID 9525. Radiation Therapy Particle 1017
CID 9526. Ion Therapy Particle 1018
CID 9527. Teletherapy Isotope 1018
CID 9528. Brachytherapy Isotope 1018
CID 9529. Single Dose Dosimetric Objectives 1019
CID 9530. Percentage and Dose Dosimetric Objectives 1019
CID 9531. Volume and Dose Dosimetric Objectives 1019
CID 9532. No-Parameter Dosimetric Objectives 1020
CID 9533. Delivery Time Structure 1020
CID 9534. Radiotherapy Targets 1020
CID 9535. Radiotherapy Dose Calculation Roles 1021
CID 9536. Radiotherapy Prescribing and Segmenting Person Roles 1021
CID 9537. Effective Dose Calculation Method Categories 1021
CID 9538. Radiation Transport-Based Effective Dose Method Modifiers 1022
CID 9539. Fractionation-Based Effective Dose Method Modifers 1022
CID 10000. Scope of Accumulation 1022
CID 10001. UID Types 1023
CID 10002. Irradiation Event Types 1023
CID 10003. Equipment Plane Identification 1023
CID 10004. Fluoro Modes 1023
CID 10006. X-Ray Filter Materials 1024
CID 10007. X-Ray Filter Types 1024
CID 10008. Dose Related Distance Measurements 1024
CID 10009. Measured/Calculated 1025
CID 10010. Dose Measurement Devices 1025
CID 10011. Effective Dose Evaluation Method 1026
CID 10013. CT Acquisition Type 1026
CID 10014. Contrast Imaging Technique 1026
CID 10015. CT Dose Reference Authorities 1026

CID 10016. Anode Target Material 1027
CID 10017. X-Ray Grid 1027
CID 10020. Source of Projection X-Ray Dose Information 1027
CID 10021. Source of CT Dose Information 1028
CID 10022. Label Types 1028
CID 10023. Size Specific Dose Estimation Method for CT 1028
CID 10024. Water Equivalent Diameter Method 1029
CID 10025. Radiation Dose Reference Points 1029
CID 10030. Detector Types 1029
CID 10031. CR/DR Mechanical Configuration 1029
CID 10032. Projection X-Ray Acquisition Device Types 1030
CID 10033. CT Reconstruction Algorithm 1030
CID 10034. Reason for Repeating Acquisition 1030
CID 10040. Radiopharmaceutical Organ Dose Reference Authority 1031
CID 10041. Source of Radioisotope Activity Information 1031
CID 10043. Intravenous Extravasation Symptoms 1031
CID 10044. Radiosensitive Organs 1032
CID 10045. Radiopharmaceutical Patient State 1033
CID 10046. GFR Measurements 1033
CID 10047. GFR Measurement Methods 1034
CID 10050. Summary Radiation Exposure Quantities 1034
CID 10060. Organs for Radiation Dose Estimates 1035
CID 10061. Absorbed Radiation Dose Types 1035
CID 10062. Equivalent Radiation Dose Types 1035
CID 10063. Radiation Dose Estimate Distribution Representation 1036
CID 10064. Patient Model Type 1036
CID 10065. Radiation Transport Model Type 1036
CID 10066. Attenuator Category 1037
CID 10067. Radiation Attenuator Materials 1037
CID 10068. Estimate Method Types 1037
CID 10069. Radiation Dose Estimation Parameter 1038
CID 10070. Radiation Dose Types 1038
CID 10071. Radiation Dose Units 1039
CID 12001. Ultrasound Protocol Types 1039
CID 12002. Ultrasound Protocol Stage Types 1039
CID 12003. OB-GYN Dates 1040
CID 12004. Fetal Biometry Ratios 1040
CID 12005. Fetal Biometry Measurements 1041
CID 12006. Fetal Long Bones Biometry Measurements 1041
CID 12007. Fetal Cranium 1042
CID 12008. OB-GYN Amniotic Sac 1042
CID 12009. Early Gestation Biometry Measurements 1042
CID 12011. Ultrasound Pelvis and Uterus 1043
CID 12012. OB Equations and Tables 1043
CID 12013. Gestational Age Equations and Tables 1043
CID 12014. OB Fetal Body Weight Equations and Tables 1046
CID 12015. Fetal Growth Equations and Tables 1047
CID 12016. Estimated Fetal Weight Percentile Equations and Tables 1048
CID 12017. Growth Distribution Rank 1049
CID 12018. OB-GYN Summary 1049
CID 12019. OB-GYN Fetus Summary 1049
CID 12020. Fetal Biometry Anatomic Sites 1050
CID 12021. Fetal Long Bone Anatomic Sites 1050
CID 12022. Fetal Cranium Anatomic Sites 1050
CID 12023. Pelvis and Uterus Anatomic Sites 1051
CID 12030. Ultrasound Contrast/Bolus Agents 1051
CID 12031. Protocol Interval Events 1052
CID 12032. Transducer Scan Pattern 1052
CID 12033. Ultrasound Transducer Geometry 1052
CID 12034. Ultrasound Transducer Beam Steering 1053

CID 12035. Ultrasound Transducer Application 1053
CID 12101. Vascular Summary 1053
CID 12102. Temporal Periods Relating to Procedure or Therapy 1053
CID 12103. Vascular Ultrasound Anatomic Location 1054
CID 12104. Extracranial Arteries 1054
CID 12105. Intracranial Cerebral Vessels 1054
CID 12106. Intracranial Cerebral Vessels (Unilateral) 1055
CID 12107. Upper Extremity Arteries 1055
CID 12108. Upper Extremity Veins 1056
CID 12109. Lower Extremity Arteries 1056
CID 12110. Lower Extremity Veins 1057
CID 12111. Abdominal Arteries (Lateral) 1058
CID 12112. Abdominal Arteries (Unilateral) 1058
CID 12113. Abdominal Veins (Lateral) 1059
CID 12114. Abdominal Veins (Unilateral) 1059
CID 12115. Renal Vessels 1060
CID 12116. Vessel Segment Modifiers 1060
CID 12117. Vessel Branch Modifiers 1061
CID 12118. Measurement Orientation 1061
CID 12119. Vascular Ultrasound Property 1061
CID 12120. Blood Velocity Measurements by Ultrasound 1062
CID 12121. Vascular Indices and Ratios 1062
CID 12122. Other Vascular Properties 1062
CID 12123. Carotid Ratios 1063
CID 12124. Renal Ratios 1063
CID 12140. Pelvic Vasculature Anatomical Location 1063
CID 12141. Fetal Vasculature Anatomical Location 1064
CID 12200. Echocardiography Left Ventricle 1064
CID 12201. Left Ventricle Linear 1064
CID 12202. Left Ventricle Volume 1065
CID 12203. Left Ventricle Other 1065
CID 12204. Echocardiography Right Ventricle 1066
CID 12205. Echocardiography Left Atrium 1066
CID 12206. Echocardiography Right Atrium 1067
CID 12207. Echocardiography Mitral Valve 1067
CID 12208. Echocardiography Tricuspid Valve 1068
CID 12209. Echocardiography Pulmonic Valve 1068
CID 12210. Echocardiography Pulmonary Artery 1068
CID 12211. Echocardiography Aortic Valve 1069
CID 12212. Echocardiography Aorta 1069
CID 12214. Echocardiography Pulmonary Veins 1069
CID 12215. Echocardiography Vena Cavae 1070
CID 12216. Echocardiography Hepatic Veins 1070
CID 12217. Echocardiography Cardiac Shunt 1071
CID 12218. Echocardiography Congenital 1071
CID 12219. Pulmonary Vein Modifiers 1071
CID 12220. Echocardiography Common Measurements 1071
CID 12221. Flow Direction 1072
CID 12222. Orifice Flow Properties 1072
CID 12223. Echocardiography Stroke Volume Origin 1073
CID 12224. Ultrasound Image Modes 1073
CID 12226. Echocardiography Image View 1074
CID 12227. Echocardiography Measurement Method 1075
CID 12228. Echocardiography Volume Methods 1075
CID 12229. Echocardiography Area Methods 1076
CID 12230. Gradient Methods 1076
CID 12231. Volume Flow Methods 1076
CID 12232. Myocardium Mass Methods 1077
CID 12233. Cardiac Phase 1077
CID 12234. Respiration State 1077

CID 12235. Mitral Valve Anatomic Sites 1078
CID 12236. Echo Anatomic Sites 1078
CID 12237. Echocardiography Anatomic Site Modifiers 1078
CID 12238. Wall Motion Scoring Schemes 1079
CID 12239. Cardiac Output Properties 1079
CID 12240. Left Ventricle Area 1079
CID 12241. Tricuspid Valve Finding Sites 1079
CID 12242. Aortic Valve Finding Sites 1080
CID 12243. Left Ventricle Finding Sites 1080
CID 12244. Congenital Finding Sites 1080
CID 12245. Cardiac Ultrasound Report Titles 1080
CID 12246. Cardiac Ultrasound Indication for Study 1081
CID 12247. Pediatric, Fetal and Congenital Cardiac Surgical Interventions 1081
CID 12248. Cardiac Ultrasound Summary Codes 1083
CID 12249. Cardiac Ultrasound Fetal Summary Codes 1084
CID 12250. Cardiac Ultrasound Common Linear Measurements 1084
CID 12251. Cardiac Ultrasound Linear Valve Measurements 1084
CID 12252. Cardiac Ultrasound Cardiac Function 1085
CID 12253. Cardiac Ultrasound Area Measurements 1085
CID 12254. Cardiac Ultrasound Hemodynamic Measurements 1085
CID 12255. Cardiac Ultrasound Myocardium Measurements 1086
CID 12257. Cardiac Ultrasound Left Ventricle 1086
CID 12258. Cardiac Ultrasound Right Ventricle 1087
CID 12259. Cardiac Ultrasound Ventricles Measurements 1087
CID 12260. Cardiac Ultrasound Pulmonary Artery 1087
CID 12261. Cardiac Ultrasound Pulmonary Vein 1088
CID 12262. Cardiac Ultrasound Pulmonary Valve 1088
CID 12263. Cardiac Ultrasound Venous Return Pulmonary Measurements 1089
CID 12264. Cardiac Ultrasound Venous Return Systemic Measurements 1089
CID 12265. Cardiac Ultrasound Atria and Atrial Septum Measurements 1089
CID 12266. Cardiac Ultrasound Mitral Valve 1090
CID 12267. Cardiac Ultrasound Tricuspid Valve 1090
CID 12268. Cardiac Ultrasound Atrioventricular Valves Measurements 1091
CID 12269. Cardiac Ultrasound Interventricular Septum Measurements 1091
CID 12270. Cardiac Ultrasound Aortic Valve 1091
CID 12271. Cardiac Ultrasound Outflow Tracts Measurements 1092
CID 12272. Cardiac Ultrasound Semilunar Valves, Annulate and Sinuses Measurements 1092
CID 12273. Cardiac Ultrasound Aortic Sinotubular Junction 1092
CID 12274. Cardiac Ultrasound Aorta Measurements 1093
CID 12275. Cardiac Ultrasound Coronary Arteries Measurements 1093
CID 12276. Cardiac Ultrasound Aorto Pulmonary Connections Measurements 1093
CID 12277. Cardiac Ultrasound Pericardium and Pleura Measurements 1093
CID 12279. Cardiac Ultrasound Fetal General Measurements 1094
CID 12280. Cardiac Ultrasound Target Sites 1094
CID 12281. Cardiac Ultrasound Target Site Modifiers 1095
CID 12282. Cardiac Ultrasound Venous Return Systemic Finding Sites 1096
CID 12283. Cardiac Ultrasound Venous Return Pulmonary Finding Sites 1096
CID 12284. Cardiac Ultrasound Atria and Atrial Septum Finding Sites 1097
CID 12285. Cardiac Ultrasound Atrioventricular Valves Finding Sites 1097
CID 12286. Cardiac Ultrasound Interventricular Septum Finding Sites 1097
CID 12287. Cardiac Ultrasound Ventricles Finding Sites 1098
CID 12288. Cardiac Ultrasound Outflow Tracts Finding Sites 1098
CID 12289. Cardiac Ultrasound Semilunar Valves, Annulus and Sinuses Finding Sites 1098
CID 12290. Cardiac Ultrasound Pulmonary Arteries Finding Sites 1099
CID 12291. Cardiac Ultrasound Aorta Finding Sites 1099
CID 12292. Cardiac Ultrasound Coronary Arteries Finding Sites 1100
CID 12293. Cardiac Ultrasound Aortopulmonary Connections Finding Sites 1100
CID 12294. Cardiac Ultrasound Pericardium and Pleura Finding Sites 1100
CID 12300. Core Echo Measurements 1101
CID 12301. Measurement Selection Reasons 1108

CID 12302. Echo Finding Observation Types 1109
CID 12303. Echo Measurement Types 1109
CID 12304. Echo Measured Properties 1109
CID 12305. Basic Echo Anatomic Sites 1111
CID 12306. Echo Flow Directions 1112
CID 12307. Cardiac Phases and Time Points 1112
TID 3401. ECG Acquisition Context 1115
TID 3403. Catheterization Acquisition Context 1115
TID 3450. Cardiac Electrophysiology Acquisition Context 1116
TID 3460. Projection Radiography Acquisition Context 1116
TID 3470. NM/PET Acquisition Context 1116
TID 3471. PET Covariates Acquisition Context 1117
TID 8001. Specimen Preparation 1117
TID 8002. Specimen Sampling 1118
TID 8003. Specimen Staining 1119
TID 8004. Specimen Localization 1119
TID 8010. Slide Imaging Parameters 1120
TID 8200. Radiology Reading Task Parameters 1121
TID 15100. Contrast Agent/Pre-Medication Protocol Context 1121
TID 15101. NM/PET Protocol Context 1121
TID 15200. JJ1017 Protocol Context 1123
TID 15300. RT Prescription Annotation 1123
TID 15301. RT Segment Characteristics 1124
TID 15400. Real-World Quantity Definition 1125
TID 15401. Real-World Quantity Definition for X-Ray Attenuation Properties 1125
D-1. DICOM Controlled Terminology Definitions (Coding Scheme Designator "DCM" Coding Scheme Version "01") 1127
E-1. French Language Meanings of Selected Codes 1365
E-2. Mapping of Pathology Codes used in DICOM to ADICAP 1394
F-1. Japanese Language Meanings of Selected Codes 1397
G-1. English Code Meanings of Selected Codes 1409
H-1. Code Meanings of LOINC Codes 1417
I-1. Examples of the Common Nomenclature for the Type of Endoscopy Performed 1427
J-1. SNOMED Codes Retired from DICOM Use 1429
J-2. SNOMED Synonyms Retired from DICOM Use 1448
L-1. Corresponding Codes and Terms for Human Use 1451
L-2. Corresponding Codes and Terms for Large Animals 1462
L-3. Corresponding Codes And Terms for Small Animal Use 1463
L-4. Correspondence between Animal-specific and Generic NCI Thesaurus Codes 1466
L-5. Pairedness of Anatomic Concepts 1468
M-1. German Language Meanings of Selected Codes 1479
N.1-1. HL7 Value Sets 1481
N.1.1-1. ActPriority Value Set 1481
N.1.2-1. AdministrativeGender Value Set 1482
N.1.3-1. ImageMediaType Value Set 1482
N.1.4-1. NullFlavor Value Set 1482
N.1.5-1. ObservationInterpretation Value Set 1483
N.1.6-1. x_BasicConfidentialityKind Value Set 1483
N.1.7-1. x_serviceEventPerformer Value Set 1483
N.2-1. LOINC Value Sets 1484
N.2.1-1. LOINC Imaging Document Codes (examples) 1484
N.2.2-1. LOINC Y/N/NA 1484
O-1. SNOMED Concept ID to SNOMED ID Mapping 1485

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Foreword

This DICOM Standard was developed according to the procedures of the DICOM Standards Committee.

The DICOM Standard is structured as a multi-part document using the guidelines established in [ISO/IEC Directives, Part 2].

PS3.1 should be used as the base reference for the current parts of this Standard.

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1 Scope and Field of Application

This Part of the DICOM Standard specifies the DICOM Content Mapping Resource (DCMR), which defines the Templates and Context Groups used elsewhere in the Standard.

2 Normative References

The following standards contain provisions that, through reference in this text, constitute provisions of this Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this Standard are encouraged to investigate the possibilities of applying the most recent editions of the standards indicated below.

2.1 General

[Alderman 1992] *Coronary Artery Disease*. Alderman EL and Stadius M. 1992. 3. 12. 1189-208. “The angiographic definitions of the bypass angioplasty revascularization investigation”. http://journals.lww.com/coronary-artery/Abstract/1992/12000/The_angiographie_definitions_of_the_Bypass.12.aspx .

[ASTM E 1762-04] ASTM. . *Standard Guide for Electronic Authentication of Health Care Information, ASTM International*.

[ASTM E 2084-00] ASTM. . *Standard Specification for Authentication of Healthcare Information Using Digital Signatures, ASTM International*.

[AAPM Report 204] American Association of Physicists in Medicine, College Park, Maryland. 2011. *Size-Specific Dose Estimates (SSDE) in Pediatric and Adult Body CT Examinations*. http://www.aapm.org/pubs/reports/RPT_204.pdf .

[AAPM Report 220] American Association of Physicists in Medicine. September 2014. *Report of AAPM Task Group 220 - Use of Water Equivalent Diameter for Calculating Patient Size and Size-Specific Dose Estimates (SSDE) in CT*. http://www.aapm.org/pubs/reports/rpt_220.pdf .

[AAPM OR 03] American Association of Physicists in Medicine. 2005. *Assessment of Display Performance for Medical Imaging Systems*. http://www.aapm.org/pubs/reports/OR_03.pdf .

[DIN 6868-57] Deutsches Institut für Normung. 2001. *Image quality assurance in diagnostic X-ray departments - Acceptance testing for image display devices*.

[ETDRS Report Number 10] ETDRS. . *Report Number 10, Grading Diabetic Retinopathy from Stereoscopic Color Fundus Photographs-An Extension of the Modified Airlie House Classification. Ophthalmology, May 1991, vol98 (p786-805), Supplement*.

[Feuvret] *International Journal of Radiation Oncology, Biology, Physics*. Feuvret L, Noël G, Mazeron JJ, and Bey P. 2006. 64. 2. 333-342. “Conformity index: a review”. http://dx.doi.org/10.1016/j.ijrobp.2005.09.028 .

[HL7 v3 CMET] HL7. . *Version 3 Standard: Common Message Element Types*.

[IBSI Features] *>arXiv*. Zwanenburg A, Leger S, Vallières M, and Löck S. 17 Sep 2018. arXiv:1612.07003v7. “Image biomarker standardisation initiative - Reference manual”. http://arxiv.org/abs/1612.07003 .

[ICRU Report 50] International Commission on Radiation Units and Measurements. 1993. *Prescribing, Recording, and Reporting Photon Beam Therapy*.

[IEC 60601-2-44] IEC. . *Medical Electrical Equipment - Part 2-44: Particular Requirements for the Safety of X-Ray Equipment for Computed Tomography*.

[IEC 61217] IEC. 2011. Ed 2.0. *Radiotherapy Equipment - Coordinates, Movements and Scales*.

[IEC 62563-1] IEC. 2009. Ed 1.0. *Medical Electrical Equipment - Medical image display systems - Part 1: Evaluation methods*.

[ISO/IEC Directives, Part 2] ISO/IEC. 2016/05. 7.0. *Rules for the structure and drafting of International Standards*. http://www.iec.ch/members_experts/refdocs/iec/isoiecdir-2%7Bed7.0%7Den.pdf .

[ISO 639] ISO. . *Codes for the representation of names of languages*.

[ISO 639-1] ISO. 2002. *Codes for the representation of names of languages — Part 1: Alpha-2 code*.

[ISO 639-2] ISO. 1998. *Codes for the representation of names of languages — Part 2: Alpha-3 code*.

[ISO 639-3] ISO. 2007. *Codes for the representation of names of languages — Part 3: Alpha-3 code for comprehensive coverage of languages*.

[ISO 3166] ISO. . *Codes for the representation of names of countries*.

[ISO 3166-1] ISO. . *Codes for the representation of names of countries — Part 1: Country codes*.

[ISO 8824-1] ISO. 2015. *Information Technology - Abstract Syntax 1 (ASN.1): Specification of Basic Notation*.

[ISO 9834-1] ISO. 2012. *Information technology - Open Systems Interconnection - Procedures for the operation of OSI Registration Authorities: General procedures and top arcs of the ASN.1 Object Identifier tree*.

[ISO 15924] ISO. 2004. *Codes for the representation of names of scripts*.

[JJ1017] Japan Medical Imaging and Radiological Systems Industries Association (JIRA) and Japanese Association of Healthcare Information Systems Industry (JAHIS). October 5, 2005. 3.0. *Guidelines for HIS, RIS, PACS - Modality Data Communication on Scheduling, Billing, and Examination Records*. http://www.jira-net.or.jp/commission/system/04_information/files/JJ1017VER3_20051005.doc .

[NEMA XR 25-2010] National Electrical Manufacturers Association, Rosslyn, Virginia. 2010. *Computed Tomography Dose Check Standard*. http://www.nema.org/stds/xr25.cfm .

[RadLex] RSNA, Chicago. 2006. *A Lexicon for Uniform Indexing and Retrieval of Radiology Information Resources*. http://www.radlex.org/ .

[RFC 1766] IETF. March 1995. *Tags for the Identification of Languages*.

[RFC 3066] IETF. January 2001. *Tags for the Identification of Languages*.

[RFC 3881] IETF. September 2004. *Security Audit and Access Accountability Message - XML Data Definitions for Healthcare Applications*.

[RFC 4646] IETF. September 2006. *Tags for Identifying Languages*.

[RFC 4647] IETF. September 2006. *Matching of Language Tags*.

[RFC 5646] IETF. September 2009. *Tags for Identifying Languages*.

[Scanlon 1999] *Journal of the American College of Cardiology*. Scanlon PJ and et al. May 1999. 33. 6. 1756-824. “ACC/AHA guidelines for coronary angiography - A report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Committee on Coronary Angiography) developed in collaboration with the Society for Cardiac Angiography and Interventions”. 10.1016/S0735-1097(99)00126-6. http://www.sciencedirect.com/science/article/pii/S0735109799001266 .

[SMPTE RP133] Society of Motion Picture and Television Engineers (SMPTE). 1991. *Specifications for Medical Diagnostic Imaging Test Pattern for Television Monitors and Hard-copy Recording Cameras*.

[Stout et al 2013] *Molecular Imaging*. Stout D, Berr SS, LeBlanc A, Kalen JD, Osborne D, Price J, Schiffer W, Kuntner C, and Wall J. 2013. 12. 7. 1-15. “Guidance for Methods Descriptions Used in Preclinical Imaging Papers”. http://journals.sagepub.com/doi/pdf/10.2310/7290.2013.00055 .

2.2 BI-RADS® Terminology and Nomenclature

A portion of the terminology used within the Mammography CAD SR SOP Class and the Breast Imaging Report and Relevant Patient Information for Breast Imaging Templates is derived from BI-RADS®, a copyrighted lexicon of breast imaging terminology and nomenclature licensed by DICOM from the American College of Radiology.

[BI-RADS®] American College of Radiology, Reston, Virginia. 1998. 3.0. *Breast Imaging Reporting and Data System Atlas*. http://www.acr.org/Quality-Safety/Resources/BIRADS .

2.3 MQCM 1999 Terminology and Nomenclature

References to MQCM 1999 are made in the description of the Mammography CAD SR SOP Class. In this MQCM 1999 refers to the Mammography Quality Control Manual 1999, available from the American College of Radiology. This document describes a standardized approach to mammographic acquisition standards, patient positioning, and so on. The DICOM Standard does not require Mammography CAD SR SOP Class implementations to adhere to MQCM 1999.

[MQCM] American College of Radiology, Reston, Virginia. 1999. *Mammography Quality Control Manual*. http://www.acr.org/Education/Education-Catalog/Products/639 .

2.4 MQSA Terminology and Nomenclature

References to MQSA are made in the description of the Mammography CAD SR SOP Class. In this MQSA refers to the Mammography Quality Standards Act final rules. While MQSA is a federal regulation of the United States government, it provides the only widely published standards for mammographic quality and is incorporated in this document for that reason. The DICOM Standard does not require Mammography CAD SR SOP Class implementations to adhere to MQSA.

[MQSA] U.S. Food and Drug Administration, Silver Spring, Maryland. 2002. *Mammography Quality Standards Act Regulations*. http://www.fda.gov/Radiation-EmittingProducts/MammographyQualityStandardsActandProgram/Regulations/ucm110906.htm .

2.5 ACR Position Statement

[ACR Position Statement] American College of Radiology, Reston, Virginia. 2001. *Quality Control and Improvement, Safety, Infection Control, and Patient Education*. http://www.acr.org/Quality-Safety/Radiology-Safety .

2.6 Chest Radiology and CT

References are made in the description of the Chest CAD SR Templates and context groups.

[Fraser and Pare] Fraser, Muller, Colman, and Pare. 1999. 4th. I. xvii-xxxi. *Diagnosis of Diseases of the Chest*. Terms Used in Chest Radiology.

[Fraser and Pare] Fraser, Muller, Colman, and Pare. 1999. 4th. I. xxxiii-xxxvi. *Diagnosis of Diseases of the Chest*. Terms for CT of the Lungs.

[ACR CT PE] American College of Radiology, Reston, Virginia. 2001. 109-113. *ACR Standards*. ACR Standard for the Performance of Computed Tomography for the Detection of Pulmonary Embolism in Adults.

[ACR HR CT] American College of Radiology, Reston, Virginia. 2001. 115-118. *ACR Standards*. ACR Standard for the Performance of High-Resolution Computed Tomography (HRCT) of the Lungs in Adults.

[ACR Radiography] American College of Radiology, Reston, Virginia. 2001. 95-98. *ACR Standards*. ACR Standard for the Performance of Pediatric and Adult Chest Radiography.

[ACR Thoracic CT] American College of Radiology, Reston, Virginia. 2001. 103-107. *ACR Standards*. ACR Standard for the Performance of Pediatric and Adult Thoracic Computed Tomography (CT).

2.7 Response Evaluation Criteria

References to Response Evaluation Criteria are made from the Chest CAD SR Templates and context groups

[RECIST] *Journal of the National Cancer Institute*. Therasse. February 2, 2000. 92. 3. 205-216. “New Guidelines to Evaluate the Response to Treatment in Solid Tumors”. http://www.eortc.be/recist/ .

[WHO] World Health Organization, Geneva. 1979. *WHO Handbook for Reporting Results for Cancer Treatment*. WHO Offset Publication No. 48. http://whqlibdoc.who.int/publications/9241700483.pdf .

2.8 Myocardial Segmentation

[Cerqueira 2002] *Circulation*. Cerqueira MD. 2002. 105. 4. 539. “AHA Scientific Statement: Standardized Myocardial Segmentation and Nomenclature for Tomographic Imaging of the Heart”. 10.1161/hc0402.102975.

2.9 Quantitation of the Left Ventricle

[Schiller 1989] *Journal of the American Society of Echocardiography*. Schiller. Oct 1989. 2. 5. 358-367. “Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography”.

2.10 Cancer Staging

[AJCC] American Joint Committee on Cancer. 2002. Sixth. *AJCC Cancer Staging Handbook: From the AJCC Cancer Staging Manual*. Springer-Verlag. 0-387-95270-5.

2.11 Quantitative Arteriography and Ventriculography

[Sheehan, 1986] *Circulation*. Sheehan FH, Bolson EL, Dodge HT, Mathey DG, Schofer J, and Woo HW. 1986. 74. 2. 293-305. “Advantages and applications of the centerline method for characterizing regional ventricular function”. 10.1161/01.CIR.74.2.293.

[Slager, 1986] *J Am Coll Cardiol.*. Slager CJ, Hooghoudt TE, Serruys PW, Schuurbiers JC, Reiber JH, Meester GT, Verdouw PD, and Hugenholtz PG. 1986. 6. 2. 317-26. “Quantitative assessment of regional left ventricular motion using endocardial landmarks”. 10.1016/S0735-1097(86)80498-3.

[Kennedy, 1970] *Am Heart J*. Kennedy JW, Trenholme SE, and Kasser IS. 1970. 80. 3. 343. “Left ventricular volume and mass from single-plane cineangiocardiogram. A comparison of anteroposterior and right anterior oblique methods”.

[Dodge, 1960] *Am Heart J*. Dodge HT, Sandler H, Ballew DW, and Lord JD. 1960. 60. 5. 762. “The use of biplane angiocardiography for the measurement of left ventricular volume in man”. http://www.sciencedirect.com/science/article/pii/0002870360903598 .

[Wynne, 1978] *Am J Cardiol*. Wynne J, Green LH, Mann T, Levin D, and Grossman W. 1978. 41. 4. 726. “Estimation of left ventricular volumes in man from biplane cineangiograms filmed in oblique projections”.

[Boak, 1977] *Cathet Cardiovasc Diagn*. Boak, JG, Bove AA, Kreulen T, and Spann JF. 1977. 3. 3. 217-30. “A geometric basis for calculation of right ventricular volume in man”. 10.1002/ccd.1810030305.

[Ferlinz, 1977] *Am Heart J*. Ferlinz J. 1977. 94. 1. 87-90. “Measurements of right ventricular volumes in man from single plane cineangiograms. A comparison to the biplane approach”. http://www.sciencedirect.com/science/article/pii/S0002870377803487 .

[Graham, 1973] *Circulation*. Graham TP, Jarmakani JM, Atwood GF, and Canent RV. 1973. 47. 1. 144-53. “Right ventricular volume determinations in children. Normal values and observations with volume or pressure overload”. 10.1161/01.CIR.47.1.144.

[Arcilla, 1971] *Chest*. Arcilla RA, Tsai P, Thilenius O, and Ranniger K. 1971. 60. 5. 446. “Angiographic method for volume estimation of right and left ventricles”. 10.1378/chest.60.5.446.

2.12 IVUS

[Mintz, 2001] *Journal of the American College of Cardiology*. Mintz GS. 2001. 37. 5. 1478-1492. “American College of Cardiology Clinical Expert Consensus Document on Standards for Acquisition, Measurement and Reporting of Intravascular Ultrasound Studies (IVUS)”. 10.1016/S0735-1097(01)01175-5.

[Di Mario, 1998] *European Heart Journal*. Di Mario C. 1998. 19. 2. 207-229. “Clinical Application and Image Interpretation in Intravascular Ultrasound”. 10.1053/euhj.1996.0433.

[Tobis and Yock] Tobis JM and Yock PC. 1992. *Intravascular Ultrasound Imaging*. 0443088098.

2.13 C-RADS CT Colonography Reporting and Data System

[Zalis, 2005] *Radiology*. Zalis ME. 2005. 236. 1. 3-9. “CT Colonography Reporting and Data System: A Consensus Proposal”. 10.1148/radiol.2361041926.

2.14 Implants

[Eggli, 1998] *J Bone Joint Surg Br*. Eggli S, Pisan M, and Müller ME. 1998. 80-B. 3. 382-390. “The value of preoperative planning for total hip arthroplasty”. http://www.bjj.boneandjoint.org.uk/content/80-B/3/382 .

2.15 LOINC

[LOINC] Regenstrief Institute, Indianapolis. 2014. *Logical Observation Identifier Names and Codes*. http://loinc.org/ .

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2.16 UCUM

[UCUM] Regenstrief Institute, Indianapolis. 2013. *Unified Code for Units of Measure*. http://unitsofmeasure.org/ .

This product includes all or a portion of the UCUM table, UCUM codes, and UCUM definitions or is derived from it, subject to a license from Regenstrief Institute, Inc. and The UCUM Organization. Your use of the UCUM table, UCUM codes, UCUM definitions also is subject to this license, a copy of which is available at http://unitsofmeasure.org/. The current complete UCUM table, UCUM Specification are available for download at http://unitsofmeasure.org/. The UCUM table and UCUM codes are copyright © 1995-2013, Regenstrief Institute, Inc. and the Unified Codes for Units of Measures (UCUM) Organization. All rights reserved.

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2.17 Anesthesia Quality Institute Schema

[AQI Schema] Anesthesia Quality Institute, Schaumburg, IL. 2015/07/30. *Anesthesia Quality Institute Schema*. http://www.aqihq.org/aqischdoc/default.html .

Used by permission of the Anesthesia Quality Institute (AQI) (http://www.aqihq.org/), established by the American Society of Anesthesiologists (ASA).

2.18 Point-of-Care Medical Device Nomenclature

Extracts of ISO/IEEE 11073 reprinted by permission of IEEE, 3 Park Avenue, New York, NY 10016-5997 USA. Copyright by IEEE. http://standards.ieee.org/.

Under license from IEEE, the term codes and descriptions of the ISO/IEEE 11073 Nomenclature are available at no cost through the Rosetta Terminology Mapping Management System of the U.S. National Institute of Standards and Technology. http://rtmms.nist.gov/rtmms/index.htm

[ISO/IEEE 11073-10101] ISO/IEEE. 2004. . *Health informatics - Point-of-care medical device communication - Nomenclature*.

[ISO/IEEE 11073-10101a] ISO/IEEE. 2015. . *Health informatics - Point-of-care medical device communication - Nomenclature Amendment 1: Additional Definitions*.

[ISO/IEEE 11073-10102] ISO/IEEE. 2015. . *Health informatics - Point-of-care medical device communication - Annotated ECG - Nomenclature*.

2.19 SNOMED Clinical Terms

This DICOM Standard incorporates SNOMED CT®, used by permission of SNOMED International. SNOMED CT®, was originally created by The College of American Pathologists (CAP). SNOMED International was formerly known as the International Health Terminology Standards Development Organisation (IHTSDO).

The SNOMED CT terms used in this Standard (the SNOMED CT DICOM Subset) are the subject of a licensing agreement between NEMA and SNOMED International that allows the use of this defined subset in DICOM conformant applications without further license or payment of fee. Any use of SNOMED CT beyond the terms published in the DICOM Standard is subject to SNOMED CT licensing rules, which may include a fee. For further information about SNOMED CT licensing, go to http://www.snomed.org/snomed-ct/get-snomed or contact SNOMED International at info@snomed.org.

This DICOM Standard incorporates various veterinary terms from the SNOMED CT VetSCT extension, used by permission of the Veterinary Terminology Services Laboratory (VTSL) (http://vtsl.vetmed.vt.edu/). These terms were previously included in SNOMED CT but have since been inactivated as moved elsewhere.

[SNOMED] SNOMED International. . *SNOMED CT Systematized Nomenclature of Medicine - Clinical Terms*.

2.20 Prostate Reporting Terminology and Nomenclature

The Prostate Imaging and Report and Data System Version 2 (PI-RADS v2) is a joint effort of the European Society of Urogenital Radiology, the American College of Radiology and the AdMetech Foundation.

[PI-RADS v2] *Eur Urol*. Weinreb JC, Barentsz JO, Choyke PL, Cornud F, Haider MA, Macura KJ, Margolis, D, Schnall, MD, Shtern, F, Tempany, CM., Thoeny, HC, and Verma, S. 2016/01. 69. 1. 16-40. “PI-RADS Prostate Imaging - Reporting and Data System: 2015, Version 2”. 10.1016/j.eururo.2015.08.052. http://www.europeanurology.com/article/S0302-2838%2815%2900848-9/ .

Note

PI-RADS is also available from the following sources:

- American College of Radiology: http://www.acr.org/~/media/ACR/Documents/PDF/QualitySafety/Resources/PIRADS/PIRADS%20V2.pdf

[Prostate Eu Concensus] *Eur Urol*. Dickinson L, Ahmed HU., Allen C, Barentsz JO, Carey B, Futterer JJ, Heijmink SW, Hoskin PJ, Kirkham A, and Padhani AR. 2011. 59. 4. 477-94. “Magnetic resonance imaging for the detection, localisation, and characterisation of prostate cancer: recommendations from a European consensus meeting”. 10.1016/j.eururo.2010.12.009. http://www.europeanurology.com/article/S0302-2838(10)01187-5/ .

[ESUR Guidelines] *Eur Radiol*. Barentsz JO, Richenberg J, Clements R, Choyke P, Verma S, Villeirs G, Rouviere O, Logager V, and Fütterer JJ. 2012/04. 22. 4. 746-57. “ESUR prostate MR guidelines 2012”. 10.1007/s00330-011-2377-y. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3297750/ .

3 Definitions

For the purposes of this Standard the following definitions apply.

3.1 Codes and Controlled Terminology Definitions:

The following definitions are commonly used in this Part of the DICOM Standard:

Baseline Context Group Identifier (BCID)	Identifier that specifies the suggested Context Group for a Code Sequence Attribute. See Table 5.6-1 “Conventions for Specification of Context Groups” in PS3.3.
Baseline Template Identifier (BTID)	Identifier that specifies a Template suggested to be used in the creation of a set of Content Items.
Coding Scheme	Dictionary (lexicons) of concepts (terms) with assigned codes and well defined meanings. Note Examples of coding schemes include SNOMED and LOINC.
Context Group	A set of coded concepts defined by a Mapping Resource forming a set appropriate to use in a particular context.
Context Group Version	Version of a Context Group.
Context ID (CID)	Identifier of a Context Group.
Defined Context Group Identifier (DCID)	Identifier that specifies the Context Group for a Code Sequence Attribute that shall be used. See Table 5.6-1 “Conventions for Specification of Context Groups” in PS3.3.
Defined Template Identifier (DTID)	Identifier that specifies a Template that shall be used in the creation of a set of Content Items.
DICOM Content Mapping Resource (DCMR)	A Mapping Resource that defines Templates and Context Groups for use in DICOM IODs.
Extensible Context Group	Context Group that may be extended by a particular application by inclusion of additional concepts. See Table 5.6-1 “Conventions for Specification of Context Groups” in PS3.3.
Extensible Template	A Template that may be extended by a particular application by inclusion of additional Content Items beyond those specified in the Template.
Mapping Resource	A resource that defines context-dependent usage constraints (i.e., Value Set or Relationship Type restrictions) for Attributes. A resource that specifies the mapping of the content of an external controlled terminology to the components of a message standard.
Non-Extensible Context Group	Context Group whose defined set of concepts shall not be extended by an application. See Table 5.6-1 “Conventions for Specification of Context Groups” in PS3.3.
Non-Extensible Template	A Template that specifies the exact set of Content Items and corresponding Value Sets that shall be used and that shall not be extended by an application.
Relationship Type	The association between two Concepts. Examples: "HAS PROPERTIES", "CONTAINS", "INFERRED FROM".
Root Template	A Template whose first content item is a CONTAINER content item intended to be encoded in the top level Data Set of a SOP Instance. I.e., the "root node" of the "content tree".

Template	A pattern that describes the Content Items, Value Types, Relationship Types and Value Sets that may be used in part of a Structured Report content tree, or in other Content Item constructs, such as Acquisition Context or Protocol Context. Analogous to a Module of an Information Object Definition.
Template ID (TID)	Identifier of a Template.
Value Set	The allowed values of a Code Sequence Attribute in a given context. Specified either as one or more individual values or by reference to a Context Group.

3.2 Information Object Definitions:

This Part of the Standard makes use of the following terms defined in PS3.3:

Code Sequence Attribute	Code Sequence Attribute.

3.3 Contrast Administration Definitions

Imaging Agent

A substance administered to improve the imaging of specific organs, tissues, diseases and physiological functions. Adapted from Wikipedia http://en.wikipedia.org/wiki/Imaging_agent.

Note

1. Imaging agents include iodinated X-Ray and gadolinium-based MR contrast agents.
2. Saline flush is not an imaging agent but may be administered in conjunction with imaging agents.
3. Air used as a negative contrast agent is an imaging agent.

3.4 DICOM Introduction and Overview Definitions

This Part of the Standard makes use of the following terms defined in PS3.1:

Service-Object Pair Class (SOP Class)	Service-Object Pair Class (SOP Class).

3.5 DICOM Service Class Definitions

This Part of the Standard makes use of the following terms defined in PS3.4:

Service-Object Pair Instance (SOP Instance)	Service-Object Pair Instance (SOP Instance).

3.6 DICOM Data Structures and Encoding

This Part of the Standard makes use of the following terms defined in PS3.5:

Data Set	Data Set.

4 Symbols and Abbreviations

The following symbols and abbreviations are used in this Part of the Standard.

Mammography CAD	Computer-Aided Detection and/or Computer-Aided Diagnosis for Mammography
Chest CAD	Computer-Aided Detection and/or Computer-Aided Diagnosis for chest radiography
Colon CAD	Computer-Aided Detection and/or Computer-Aided Diagnosis for colon radiography
ACR	American College of Radiology
ASE	American Society of Echocardiography
CAP	College of American Pathologists
DCMR	DICOM Content Mapping Resource
FHIR	Fast Healthcare Interoperability Resources
HTML	HyperText Markup Language
IHE	Integrating the Healthcare Enterprise
IHE SVS	IHE Sharing Value Sets
JSON	JavaScript Object Notation
NEMA	National Electrical Manufacturers Association
RECIST	Response Evaluation Criteria In Solid Tumors
SNOMED	Systematized Nomenclature of Medicine
UCUM	Unified Code for Units of Measure
WHO	World Health Organization
XML	eXtensible Markup Language
EV	Enumerated Value
DT	Defined Term
CNAME	Context Group Name
TNAME	Template Name
BCID	Baseline Context Group ID
DCID	Defined Context Group ID
ECID	Enumerated Context Group ID
BTID	Baseline Template ID
DTID	Defined Template ID
ETID	Enumerated Template ID

The following upper-case abbreviations represent specific Attributes:

CV	Code Value (0008,0100) or Long Code Value (0008,0119) or URN Code Value (0008,0120)
CSD	Coding Scheme Designator (0008,0102)
CM	Code Meaning (0008,0104)
CSV	Coding Scheme Version (0008,0103)

5 Conventions

Terms listed in Section 3 are capitalized throughout the document.

6 Form of Template Specifications

Templates are patterns that specify the Concept Names, Requirements, Conditions, Value Types, Value Multiplicity, Value Set restrictions, Relationship Types and other attributes of Content Items for a particular application.

An IOD may specify that particular Standard Templates shall be used or may be used to define or constrain the content of a Content Item construct. A Content Item construct includes a coded concept name and one of several types of coded values. Content Item constructs are used in:

- the main Data Set and recursively nested Content Sequences (0040,A730) of the SR Document Content Module
- the Acquisition Context Sequence(0040,0555) of the Acquisition Context Module,
- the Protocol Context Sequence (0040,0440) and Content Item Modifier Sequence (0040,0441) of the Scheduled Procedure Step Module, Image Acquisition Results Module, and others.
- the Specimen Preparation Step Content Item Sequence (0040,0612) of the Specimen Module.

Annexes A and C of this Part define Standard Templates.

Note

Standard Extended and Private Templates may be defined by implementers of the Standard. The rules for definition of Standard Extended and Private SR Templates are similar to the rules for definition of Standard Extended and Private SOP Classes. One row of a Template definition table corresponds to one row of a Module table.

Each Standard Template is specified by a Template table in this Part. Each Template table specifies exactly one Template, corresponding to a pattern of content within a Content Item construct.

Each Template table identifies whether the order of Content Items is significant or not significant. SOP Instances whose content is based on a Template where the order is significant shall encode the top level Content Items in the order they are specified in the Template, and the subsidiary Content Items under each parent item in the order they are specified, and so on for each Nesting Level. The significance of the order applies only to the Template itself; subsidiary included Templates may have a different order significance.

Note

Even if a Template specifies that the order is not significant, there may be significance to the order in which Content Items are encoded in a SOP Instance. For example, CONTAINER Content Items with attribute Continuity of Content (0040,A050) value CONTINUOUS encode Content Items in narrative sequence, and procedure logs encode Content Items in time order.

The Content Items from subsidiary Templates may be intermingled if and only if the parent and subsidiary all specify that the order is not significant. This permits later refactoring into reusable Templates.

The range of concepts and the options that are permitted in a family of SR Documents vary inversely with the level of constraint that is applied by the corresponding SR Template. The more narrow the range of concepts and the more restricted the options permitted by a Template, the more predictable the content of the SR Documents will be.

Note

1. A very specific Template defines a family of SR Documents that are very similar to each other. They have a narrow range of content options (e.g., high level of constraint of Content Item values; use of CODE or NUM with Enumerated Context Groups) and their content is therefore highly predictable. A very general (e.g., permissive or broad) Template defines a family of SR Documents that may differ considerably from one another. They have a broader range of content options (e.g., low level of constraint of Content Item values; use of TEXT and relatively little restriction of Content Item values) and their content is less predictable.
2. The degree of interoperability that may be achieved with a family of SR Documents generated from a Template may be determined intentionally and precisely at a desired level by appropriate Template design to achieve the necessary degree of predictability of SR Document contents.

6.1 Template Table Field Definition

SR Templates are described using tables of the following form:

Type: **(Non-) Extensible**
Order: **(Non-) Significant**
Root: **Yes or No**

Table TID <#>. <SR Context Template Name>

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1								
2								
3								

Acquisition Context Templates are described using tables of the following form:

Type: **(Non-) Extensible**
Order: **(Non-) Significant**

Table TID <#>. <Acquisition Context Template Name>

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1						
2						
3						

Protocol Context Templates are described using tables of the following form:

Type: **(Non-) Extensible**
Order: **(Non-) Significant**

Table TID <#>. <Protocol Context Template Name>

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1							
2							
3							

The semantics of the fields (columns) of Template tables are defined by subsections of this Section. A row of a Template table specifies either one Content Item or inclusion of another Template that may specify any number of Content Items (see Section 6.2.3 for definition of Included Templates). Each Template table is named by a title, identified by a TID number and further explained by a description such as explanation of Template contents, purpose and use cases.

The following conventions are defined for the form of references to coded concepts, Context Groups and Templates.

Code Meanings are enclosed in quotation marks (for example "cm"). Code Values and Coding Scheme Designators are not enclosed in quotation marks unless a comma occurs in the string.

References to coded concepts take the following form:

- EV or DT (CV, CSD, "CM")

  e.g., an Enumerated Value with only CV, CSD, and CM defined is represented as follows: EV (CV, CSD, "CM"), for example EV (76752008, SCT, "Breast").

- MemberOf { BCID or DCID (CID) CNAME } MemberOf selects one term from the specified context group.

If reference to a specific coding scheme version is required, it takes the following form:

- EV or DT (CV, CSD [CSV], "CM")

  e.g., DT (MA.II.A.5.4A, BI [4.0], "4A - Low suspicion").

References to Context Groups take the following form:

- BCID or DCID (CID) CNAME

  e.g., Defined Context Group 5000 is represented as follows: DCID (5000) Language.

References to Templates take the following form:

- BTID or DTID (TID) TNAME

  e.g., Baseline Template 1000 is represented as follows: BTID (1000) Quotation.

6.1.1 Row Number

Each row of a Template Table is denoted by a row number. The first row is numbered 1 and subsequent rows are numbered in ascending order with increments of 1. This number denotes a row for convenient description as well as reference in conditions. The Row Number of a Content Item in a Template may or may not be the same as the ordinal position of the corresponding Sequence Item (representing the Content Item) in a Content Sequence (0040,A730), depending on the number of times the Content Item is repeated.

The Content Item specified in the first row of a Template table may be of any Value Type. Specifically, it is not constrained to be a CONTAINER.

6.1.2 Nesting Level (NL)

The nesting level of Content Items is denoted by ">" symbols, one per level of nesting below the initial Source Content Item (of the Template) in a manner similar to the depiction of nested Sequences of Items in Modules Tables in PS3.3. When it is necessary to specify the Target Content Item(s) of a relationship, they are specified in the row(s) immediately following the corresponding Source Content Item. The Nesting Level of a Target Content Item is one greater than the Nesting Level of the corresponding (parent) Source Content Item. The Content Item specified in row 1 of a Template Table is at the top level (i.e., no ">" symbol is ever present in the NL field for the first Content Item in the table).

Acquisition Context Templates have no Nesting Level field. Protocol Context and UPS Processing Parameter Templates allow a single Nesting Level implemented through the Content Item Modifier Sequence (see PS3.3).

6.1.3 Relationship With Source Content Item (Parent)

Relationship Type and Relationship Mode (i.e., By-value or By-reference) constraints, if defined, are specified in this field, as described Table 6.1.3-1.

Relationship Type and Mode are specified for each row that specifies a target Content Item.

Relationship Type and Mode may also be specified when another Template is included, either "top-down" or "bottom-up" or both (i.e., in the "INCLUDE Template" row of the calling Template, or in all rows of the included Template, or in both places). There shall be no conflict between the Relationship Type and Mode of a row that includes another Template and the Relationship Type and Mode of the rows of the included Template.

> Note
>
> SR IODs specify Enumerated Values for Relationship Types. If a Relationship Type other than one of the Defined Terms for Relationship Type (0040,A010) is specified in a Private SOP Class, there is a significant risk to interoperability. Documentation accompanying Templates for Private SOP Classes should define any Relationship-type extensions in the manner that the Standard Relationship Types are defined in PS3.3.

Acquisition Context and Protocol Context Templates have no Relationship field.

Table 6.1.3-1. Syntax of Relationship Constraints

Expression	Definition
RTYPE	Relationship Mode is By-value and Relationship Type is RTYPE. For example, "INFERRED FROM".
R-RTYPE	Relationship Mode is By-reference and Relationship Type is RTYPE. For example, "R-INFERRED FROM".

6.1.4 Value Type (VT)

The Value Type field specifies the SR Value Type of the Content Item or conveys the word "INCLUDE" to indicate that another Template is to be included (substituted for the row). See Section 6.2.3 for further description of "Included Templates".

6.1.5 Concept Name

Any constraints on the Concept Name are specified in the Concept Name field as defined or enumerated coded entries, or as baseline or defined context groups. Alternatively, when the VT field is "INCLUDE", the Concept Name field specifies the Template to be included.

The absence of an entry in the Concept Name field means that any code may be used, from any coding scheme, including codes from private coding schemes.

6.1.6 Value Multiplicity (VM)

The VM field indicates the number of times that either a Content Item of the specified pattern or an included Template may appear in this position. Table 6.1.6-1 specifies the values that are permitted in this field.

Table 6.1.6-1. Permitted Values for VM

Expression	Definition
i (where 'i' represents an integer)	Exactly i occurrences, where i>=1. E.g., when i=1 there shall be one occurrence of the Content Item in this position.
i-j (where 'i' and 'j' represent integers)	From i to j occurrences, where i and j are >=1 and j>i.
i-n (where 'i' and 'n' represent integers)	i or more occurrences, where i>=1.

6.1.7 Requirement Type

The Requirement Type field specifies the requirements on the presence or absence of the Content Item or included Template.

Note

There is typically no need to specify Requirement Type separately for SCU and SCP of the Basic SR SOP Classes, because the SCP is required to support the entire content of any SR Document it receives. Therefore, for Basic SR SOP Classes, Requirement Type effectively only applies to the SCU.

The following symbols are used:

M Mandatory. Shall be present.
MC Mandatory Conditional. Shall be present if the specified condition is satisfied.
U User Option. May or may not be present.
UC User Option Conditional. May not be present. May be present according to the specified condition.

Note

There is an interaction between the VM and the Requirement Type with respect to the number of times that a Content Item (or included Template) may actually be present, as follows:

Req Type	VM	Actual number of occurrences in the content tree
M	1	1

Req Type	VM	Actual number of occurrences in the content tree
M	1-n	1 to n
U	1	0 or 1
U	1-n	0 to n

6.1.8 Condition

The Condition field specifies any conditions upon which presence or absence of the Content Item or its values depends. This field specifies any Concept Name(s) or Values upon which there are dependencies.

References in Condition statements to coded concepts or values, whether to select a Content Item to test or to specify a value to test against, are of the form (CV, CSD, "CM"). As is always the case for coded entries, the matching is performed against CV and CSD, irrespective of the string value of CM.

References may also be made to row numbers (e.g., to specify exclusive OR conditions that span multiple rows of a Template table).

The following abbreviations are used:

XOR Exclusive OR. One and only one row shall be selected from mutually-exclusive options.

Note

For example, if one of rows 1, 2, 3 or 4 may be included, then for row 2, the abbreviation "XOR rows 1, 3, 4" is specified for the condition.

IF Shall be present if the condition is TRUE; may be present otherwise.

IFF If and only if. Shall be present if the condition is TRUE; shall not be present otherwise.

6.1.9 Value Set Constraint

Any constraints on the Value Set for a CODE Content Item are specified in this field as defined or enumerated coded entries, or as baseline or defined context groups.

The absence of an entry in the Value Set Constraint field for a CODE Content Item means that any code may be used, from any coding scheme, including codes from private coding schemes.

The Value Set Constraint column may specify a default value for the Content Item if the Content Item is not present, either as a fixed value, or by reference to another Content Item, or by reference to an Attribute from the Data Set other than within the Content Sequence (0040,A730).

6.1.9.1 NUM Units Constraint

Any constraints on units of measurement are specified in the Value Set Constraint field if and only if the Value Type is NUM. The constraints are specified either as defined or enumerated coded entries, or as baseline or defined context groups.

The absence of any constraint on units of measurement means that any code for units may be used, from any coding scheme, including codes from private coding schemes.

6.1.9.2 CONTAINER Continuation Flag Constraint

The value of the Continuity of Content Flag (0040,A050) may be specified in the Value Set Constraint field if and only if the Value Type is CONTAINER.

Note

The SR Document Content Module specifies "SEPARATE" and "CONTINUOUS" as the Enumerated Values for Continuity of Content Flag (0040,A050).

6.1.9.3 SCOORD Graphic Type Constraint

Constraints on the value of the Graphic Type(0070,0023) may be specified in the Value Set Constraint field if and only if the Value Type is SCOORD. The constraint may specify a set of allowed values, or a set of disallowed values. For example:

- GRAPHIC TYPE = {POINT}
- GRAPHIC TYPE = {CIRCLE, ELLIPSE}
- GRAPHIC TYPE = not {MULTIPOINT}

6.2 Special Conventions for Template Tables

6.2.1 Multiple Value Sets Depending On Different Conditions

When a Content Item may have different value sets, each depending on different conditions, the description of each different case begins in a separate row of the Template Table.

6.2.2 Target Content Items of Relationships

When it is necessary to specify the Target Content Item(s) of a relationship, they are specified in the row(s) immediately following the Source Content Item. The Nesting level of a Target Content Item (or set of Target Content Items specified indirectly via an 'include Template' macro) is one greater than the Nesting Level of the corresponding Source Content Item, as indicated by an increase in the number of ">" characters in the nesting level.

When a Content Item may be the Source of multiple relationships having different Relationship Types and/or different Relationship Modes and/or different patterns of Target Content Item(s), the description of each different case begins in a separate row of the Template Table.

When the Source Content Item of a relationship has VM of greater than 1, the specified pattern of Target Content Items applies to all instantiations of the Source Content Item.

> Note
>
> For example, if a Template specifies that the VM of a Source Content Item is 1-n and specifies a By-value relationship to two CODE Content Items with particular value set constraints, then each instantiation of the Source Content Item has a By-value relationship to two CODE Content Items with the specified value constraints.

When a Source Content Item that has a Requirement Type of U, UC or MC is not present (is not instantiated), no Target Content Items of that Source Content Item are present, even if one or more of the Target Content Items is designated with a Requirement Type of M or MC.

> Note
>
> In other words, potential children are not present when there is no parent.

6.2.3 Inclusion of Templates

A Template may specify another Template to be included by specifying "INCLUDE" in the Value Type field and the identifier of the included Template in the Concept Name field. All of the rows of the specified Template are in included in the invoking Template, effectively substituting the specified Template for the row where the inclusion is invoked. Whether or not the inclusion is user optional, mandatory or conditional is specified in the Requirement and Condition fields. The number of times the included Template may be repeated is specified in the VM field.

6.2.3.1 Template Parameters

A Template that is included by another Template may include parameters that are replaced by values defined in the invoking Template. Parameters may be used to specify coded concepts or Context Groups in the Concept Name, Condition, or Value Set Constraint fields of a Template.

An included Template that accepts parameters shall be introduced by a table listing those parameters of the form:

Parameter Name	Parameter Usage
...	...
...	...

Parameters are indicated by a name beginning with the character "$".

The invoking Template may specify the value of the parameters in the included Template by name in the Value Set Constraint field of the INCLUDE row. The parameter in the included Template shall be replaced by the specified parameter value. Specification of a parameter value shall be of one of the following forms:

Notation	Definition
$parametername = EV or DT (CV, CSD, "CM")	The parameter passed to the Template is the specified coded term.
$parametername = (CV, CSD, "CM")	The parameter passed to the Template is the specified coded term, used as a parameter in a Condition field of the included Template.
$parametername = BCID or DCID (CID) CNAME	The parameter passed to the Template is the Context Group.
$parametername = MemberOf {BCID or DCID (CID) CNAME}	The parameter passed to the Template is a single coded term from the Context Group in curly braces.

The specification of a parameter value is valid only for the directly included Template. Therefore, it needs to be explicitly respecified in Templates intermediate between the originally specifying Template and the target Template. The intermediate Template may use the same parameter name as used by the Template it invokes; in such a case, the intermediate Template would invoke the subsidiary Template with a specification in the Value Set Constraint field such as:

$parametername = $parametername

Note

In this case, the left hand instance of $parametername is the name in the subsidiary Template, and the right hand instance is the (parametrized) value passed into the current Template.

The invoking Template is not required to specify all parameters of included Templates. If not specified, the value set (term or context group) for that parameter is unconstrained. An unconstrained value in a Condition will cause the condition to fail.

6.2.4 Post-coordinated Codes and Has Concept Modifier Relationship

Though it may not be explicitly shown in a particular Template, the use of any coded Concept Name in any Content Item may be defined in a post-coordinated rather than pre-coordinated manner, unless explicitly forbidden by the IOD or the Template.

Accordingly, any such Content Item may have any number of Target Content Items via a "HAS CONCEPT MOD" relationship, even if not explicitly specified in a Template. Each Target Content Item of such a relationship may be more complicated than a single Content Item if the IOD permits (i.e., the post-coordinated concept may potentially be defined by a complex sub-tree).

6.2.5 Extension of Templates

An Extensible Template may be extended in an Application generating SOP Instances to include additional Content Items in its definition. Such Content Items shall not duplicate concepts for which an encoding is defined in the Template. I.e., if a method is provided for the encoding of a concept in the Template, that concept shall not be encoded using a different Content Item in an extension to the Template.

Note

There is no requirement that the included additional Content Items in a Template extension be placed at the end of the Template. The additional Content Items may be included at any semantically appropriate location in the Template, regardless of whether the order of Content Items in the Template is significant.

A Non-extensible Template shall not be modified in an Application by the addition of Content Items to its definition.

Note

The set of Content Items in either an Extensible or a Non-extensible Template may be changed in subsequent editions of the Standard, in accordance with the procedures of the DICOM Standards Committee.

A Non-Extensible Template may include a Template that is Extensible. In invoking such a Template, the content structure of SOP Instances created from the Non-Extensible Template may vary according to the varying content structure allowed by the extension of the included Template.

Note

Specification of such extensible content in a Non-Extensible Template may be desirable if the Template defines, e.g., a fixed top level structure into which a variety of lower level structures may be "plugged".

7 DCMR Context Group Specifications

Context Groups specify Value Set restrictions for Code Value (0008,0100) (or Long Code Value (0008,0119) or URN Code Value (0008,0120)) and Code Meaning (0008,0104) of Code Sequence Attributes for given functional or operational contexts. This Section specifies the semantics of DCMR Context Group Tables.

7.1 Context Group Table Field Definition

Context Groups are described using tables of the following form (optional columns are shown with italic column titles):

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Type: **(Non-) Extensible**
Version: **<yyyymmdd>**
UID: **1.2.840.10008.6.1.uuuu**

Table CID <#>. <Context Group Name>

Coding Scheme Designator	*Coding Scheme Version*	Code Value	Code Meaning	*<Reference Terminology> Equivalent Value*	Units
...	...	...	...	...	...
...	...	...	...	...	...

A row of a Context Group table specifies one coded concept. Each Context Group table is named by a title and identified by a CID number and version.

The columns of the tables consist of:

- Coding Scheme Designator: the value of Coding Scheme Designator (0008,0102)
- Code Value: the value of Code Value (0008,0100) or Long Code Value (0008,0119) or URN Code Value (0008,0120)
- Coding Meaning: the value of Code Meaning (0008,0104)

In those cases where it is necessary, Coding Scheme Version (the value of Coding Scheme Version (0008,0103)) may also be specified. This column may be absent if Coding Scheme Version is not required for any of the coded concepts in the Context Group.

The value specified in the Code Meaning field is an acceptable value for the specified code value, but does not preclude the use of other synonymous text in the same or other language.

Note

1. Some coding schemes do not specify the equivalent of a Code Meaning.
2. Capitalization in the Code Meaning is generally not significant, except for abbreviations used in units of measurement prefixes (e.g., “ml” milliliter vs. “Ml” megaliter, or “pV” picovolt vs. “PV” petavolt).

If further description of the concept represented by the code is required in the DCMR (rather than referring to an external coding scheme), it is included in a separate table.

Optional columns may provide an informative mapping from the coded concepts of the Context Group to a reference terminology specified in the column heading. Typical reference terminologies include SNOMED CT and UMLS.

An optional column may provide a normative baseline or defined set of units to use for numeric measurements using the concept, either as a single term (e.g., DT ({ratio}, UCUM, "ratio")), a list of such terms, or a reference to a Context Group (e.g., DCID 7277 "Units of Diffusion Rate Area Over Time").

A Context Group may alternatively be defined by narrative reference to an externally defined coding scheme.

Note

See for instance CID 82 “Units of Measurement”.

7.2 Special Conventions for Context Group Tables

7.2.1 Include Context Group

The 'Include Context Group' macro is a concise mechanism for including (by-reference) all of the rows of a specified Context Group in the invoking Context Group, effectively substituting the specified Context Group for the row where the macro is invoked. If an 'Include Context Group' is specified, it shall be specified in the Concept Name column of a Context Group Table. Table 7.2.1-1 specifies the syntax of the 'Include Context Group macro. Inclusion may be nested, in that included Context Groups may themselves include other Context Groups. This gives rise to the possibility of circular inclusion and multiple inclusion, in which case the Context Group shall consist of the transitive closure of the set of all coded concepts within the included Context Groups.

Note

For example, it is reasonable to have the following definitions for context groups:

- Context ID 1, includes Context IDs 2 and 3
- Context ID 2, includes Context IDs 4 and 5
- Context ID 3, includes Context IDs 5 and 6
- Context ID 4 contains a, b, c
- Context ID 5 contains e, f, g
- Context ID 6 contains a, h, i

The contents of Context ID 1 will be a, b, c, e, f, g, h, i.

Table 7.2.1-1. Include Context Group Macro

Coding Scheme Designator	Code Value	Code Meaning
…	…	…
Include CID nnn		
…	…	…

7.2.2 Units of Measurement

Context Group 82 is defined to include all units of measurement relevant to DICOM IODs. In the past it was envisaged that an extensible list of pre-coordinated codes would be included in the mapping resource.

DICOM has now adopted the Unified Codes for Units of Measurement (UCUM) standard for all units of measurement. This coding scheme allows for the "construction" of pre-coordinated codes from atomic components.

The specialization of the UCUM standard as it is used in DICOM involves the following rules:

- the Coding Scheme Designator is specified as "UCUM"
- the version of UCUM from which a code is constructed is not required, as it is not needed to resolve ambiguity in the Code Value or Code Meaning; however, there is no restriction on the version being specified in Coding Scheme Version
- the Code Value will be constructed from UCUM and make use of the "case-sensitive" form of UCUM code (e.g., "ml/s")
- the Code Meaning for other than UCUM unity may be one of the following:
  - the "print" value specified in UCUM (e.g., "mmHg" for Code Value mm[Hg])

- the same string as sent in the Code Value (e.g., "ml/s")
- constructed from the "names" of individual components using the Americanized form of name (e.g., "milliliters/second")
- constructed from the "names" of individual components using the European form of name (e.g., "millilitres/second")

- In the case of UCUM unity ("1", or curly braces expression) it is forbidden to use "1" as a Code Meaning. Annex G provides Code Meanings for a Code Value (0008,0100) of 1. A Template or Context Group may constrain the Code Meaning according to the following rules:
  - UCUM default unit 1 shall use one of the Code Meaning synonyms specified in Annex G
  - ratios of identically dimensioned values may use ({ratio}, UCUM, "ratio")
  - unitless numeric scores may use ({M:N}, UCUM, "range: M:N") to specify the minimum and maximum value, for example, ({0:10}, UCUM, "range: 0:10")
  - counts using UCUM annotation shall always use the text within the curly braces as the Code Meaning, for example, ({masses}, UCUM, "masses")
  - compositions of a curly braces expression with other UCUM values may use a conventional clinical representation, for example, ({H.B.}/min, UCUM, "BPM")

The UCUM standard states that the preferred display values for codes deg (degrees of plane angle) and Cel (degrees Celsius) are "°" and "°C". However, the character ° does not have a representation in the DICOM default character set (ASCII, ISO-IR 6). The Code Meaning specified in this Part therefore uses "deg" and "C". SOP Instances that specify a Specific Character Set that allows the character ° may use Code Meanings "°" and "°C".

Note

1. Code Meaning "C" formally conflicts with the Code Meaning for Coulomb. In the context of DICOM use, the possibility of confusion to a user based on the display of the Code Meaning is considered remote, as there is little use of Coulomb in imaging, and the context of the displayed item Concept Name would resolve between temperature and electric charge. Automated processing based on the Code Values should not face an issue as the Code Values differ.
2. The character ° has Unicode code point U+00B0, and is represented as 0xB0 in ISO-IR 100 (Latin-1), ISO-IR 101 (Latin-2), ISO-IR 109 (Latin-3), ISO-IR 110 (Latin-4), ISO-IR 126 (Greek), ISO-IR 138 (Hebrew), and ISO-IR 148 (Latin-5). It is not encodable in ISO-IR 13 (Katakana), ISO-IR 144 (Cyrillic), ISO-IR 127 (Arabic), or ISO-IR 166 (Thai).

7.2.3 Extension of Context Groups

An Application may extend an Extensible Context Group by adding terms for new concepts. Applications may not substitute other terms of the same concept in the Context Group. Applications may not add a term that means "unspecified" or "missing" or "unknown" similar; if such a concept is intended to be permitted then the Standard will include it in the Context Group already. Such extension may be made without a change in Context Group Identifier, but with the specification of Context Group Extensions (see PS3.3).

Non-extensible Context Groups shall not be modified in an Application.

Note

The set of concepts in either an Extensible or a Non-extensible Context Group may be changed in subsequent editions of the Standard, in accordance with the procedures of the DICOM Standards Committee.

8 Coding Schemes

Table 8-1 lists the coding schemes (and their designators) defined for use in DICOM; Table 8-2 lists the HL7v3 coding schemes referenced for use in DICOM. Additionally, any coding scheme may be used that has an entry in the HL7 Registry of Coding Schemes (HL7 v2 Table 0396, or the equivalent online registry), in which case the HL7 Symbolic Name shall be used as the value for the Coding Scheme Designator in DICOM, as long as it does not conflict with an entry Table 8-1 and fits within the Value Representation of the DICOM Coding Scheme Designator (0008,0102) attribute. As specified in the HL7 v2 Table 0396, local or private coding schemes shall be identified by an alphanumeric identifier beginning with the characters "99".

Note

1. An earlier version of this table was formerly contained in Annex D of PS3.3.
2. See Section 8.2 “Coding Scheme Designator and Coding Scheme Version” in PS3.3 for further description.
3. The Coding Scheme UIDs are provided for reference only; the normative specification of UIDs and their associated meaning is the responsibility of the coding scheme developer and/or HL7.
4. The current version of HL7 v2 Table 0396 is available at http://www.hl7.org/special/committees/vocab/table_0396/index.cfm.
5. The HL7 registration of Coding Schemes is available at http://www.hl7.org/oid/index.cfm.
6. Publication of codes or references to coding schemes within DICOM does not constitute a grant of intellectual property rights to implementers. Use of some Coding Schemes may require a license, or purchase of the relevant coding scheme publication. Implementers should consult the relevant coding scheme publisher; see also Section 2.
7. The values of Coding Scheme Name (0008,0115), Coding Scheme Responsible Organization (0008,0116) and Coding Scheme Resources Sequence (0008,0109), if available, may be used to fill the corresponding optional attributes of the Coding Scheme Identification Sequence (0008,0110) in the Section C.12.1 “SOP Common Module” in PS3.3.

Table 8-1. Coding Schemes

Coding Scheme Designator (0008,0102)	Coding Scheme UID (0008,010C)	Coding Scheme Name (0008,0115)	Coding Scheme Responsible Organization (0008,0116)	Coding Scheme Resources Sequence (0008,0109) Type: URL	Description
ACR	2.16.840.1.113883.6.76	ACR Index	ACR		ACR Index for Radiological Diagnosis Revised, 3rd Edition 1986
ASTM-sigpurpose	1.2.840.10065.1.12	ASTM E 2084	ASTM		[ASTM E 2084-00] Signature Purpose codes (see Annex A1 of ASTM E 2084), ASTM Subcommittee E 31.20 Data and System Security for Health Information
BARI		BARI			Bypass Angioplasty Revascularization Investigation[Alderman 1992]; endorsed by ACC/AHA Guidelines for Coronary Angiography[Scanlon 1999].

Coding Scheme Designator (0008,0102)	Coding Scheme UID (0008,010C)	Coding Scheme Name (0008,0115)	Coding Scheme Responsible Organization (0008,0116)	Coding Scheme Resources Sequence (0008,0109) Type: URL	Description
BI		BI-RADS	ACR		ACR Breast Imaging Reporting and Data System [BI-RADS®], Coding Scheme Version (0008,0103) is required; code values are section and paragraph identifiers within the publication where the code meaning is defined (e.g., "I.D.1", where I = Breast Imaging Lexicon, D = Special Cases, 1 = Tubular Density, as the code value for "Tubular Density"). Note In the HL7 registry, the abbreviation BI is assigned to a different coding scheme, specifically the Beth Israel problem list.
C4	2.16.840.1.113883.6.12	CPT-4	AMA		American Medical Association's Current Procedure Terminology 4 (CPT-4)
C5	2.16.840.1.113883.6.82	CPT-5	AMA		American Medical Association's Current Procedure Terminology 5 (CPT-5)
caDSR	2.16.840.1.113883.3.26.2	Cancer Data Standard Repository	NCI		The Public ID is used as the Code Value. These can be looked up as in the following example (the version is required): http://cdebrowser.nci.nih.gov/CDEBrowser/search?dataElementDetails=9/&cdeId=2178693&version=2.1&PageId=DataElementsGroup
CD2	2.16.840.1.113883.6.13	CDT-2	ADA		American Dental Association's (ADA) Current Dental Terminology 2 (CDT-2)
CTV3	2.16.840.1.113883.6.6	Clinical Terms Version 3	UK NHS		Read Codes

Coding Scheme Designator (0008,0102)	Coding Scheme UID (0008,010C)	Coding Scheme Name (0008,0115)	Coding Scheme Responsible Organization (0008,0116)	Coding Scheme Resources Sequence (0008,0109) Type: URL	Description
DC	1.2.840.10008.2.16.10	Dublin Core	W3C	DOC: http://dublincore.org/documents/1998/09/dces/ DOC: http://www.ietf.org/rfc/rfc2413.txt	Dublin Code Metadata for Resource Discovery. The code value is the Label field, e.g., "Creator" (capitalization significant).
DCM	1.2.840.10008.2.16.4	DICOM Controlled Terminology	DICOM	DOC: http://dicom.nema.org/medical/dicom/current/output/chtml/part16/chapter_D.html OWL: ftp://medical.nema.org/medical/dicom/current/ontology/dcm.owl.zip	PS3.16 Content Mapping Resource, Annex D (Note that HL7 also specifies an OID of 2.16.840.1.113883.6.31, but deprecates it in favor of 1.2.840.10008.2.16.4).
DCMUID	1.2.840.10008.2.6.1	DICOM UID Registry	DICOM	DOC: http://dicom.nema.org/medical/dicom/current/output/chtml/part06/chapter_A.html	
FMA	2.16.840.1.113883.6.119	FMA	University of Washington, Seattle	DOC: http://sig.biostr.washington.edu/projects/fm/AboutFM.html OWL: http://sig.biostr.washington.edu/share/downloads/fma/release/latest/fma.zip	Digital Anatomist Foundational Model of Anatomy
HPC	2.16.840.1.113883.6.14				Healthcare Financing Administration (HCFA) Common Procedure Coding System (HCPCS)
I10	2.16.840.1.113883.6.3	ICD-10	WHO		International Classification of Diseases revision 10 (ICD-10)
I10P	2.16.840.1.113883.6.4	ICD-10-PCS	US DHHS CMS		ICD-10 Procedure Coding System (ICD 10 PCS)
I11	1.2.840.10008.2.16.10	ICD-11	WHO	DOC: http://icd.who.int/browse11/l-m/en	International Classification of Diseases revision 11 (ICD-11)
I9	2.16.840.1.113883.6.42	ICD-9	WHO		International Classification of Diseases revision 9 (ICD-9)
I9C	2.16.840.1.113883.6.2	ICD-9-CM			International Classification of Diseases revision 9, with Clinical Modifications (ICD-9-CM)
IBSI	1.2.840.10008.2.16.13	Image Biomarker Standardisation Initiative		DOC: http://arxiv.org/abs/1612.07003	

Coding Scheme Designator (0008,0102)	Coding Scheme UID (0008,010C)	Coding Scheme Name (0008,0115)	Coding Scheme Responsible Organization (0008,0116)	Coding Scheme Resources Sequence (0008,0109) Type: URL	Description
IETF4646		RFC 4646	IETF	DOC: http://tools.ietf.org/html/rfc4646	[RFC 4646], Tags for Identifying Languages, The Internet Society (2005) [RFC 4646] has been superceded by [RFC 5646].
ISO639_1	2.16.840.1.113883.6.99	ISO 639-1	ISO		[ISO 639-1] Two-letter language codes Note HL7 uses "ISO639-1" for the symbolic name, with a hyphen rather than an underscore
ISO639_2	2.16.840.1.113883.6.100	ISO 639-2	ISO		[ISO 639-2] Three-letter language codes Note HL7 uses "ISO639-2" for the symbolic name, with a hyphen rather than an underscore
ISO3166_1	2.16.1	ISO 3166-1	ISO		[ISO 3166-1] alpha-2 Country Codes Note HL7 uses "ISO3166-1" for the symbolic name, with a hyphen rather than an underscore
ISO5218_1		ISO 5218-1	ISO		Representation of Human Sexes (not used) ISO5218_1, which uses numeric codes, was improperly specified in CID 7455 Sex in earlier editions of the Standard. The alphabetic codes improperly attributed to that coding scheme have been added to the DICOM Controlled Terminology, and thus all references to coding scheme ISO5218_1 should be considered equivalent to coding scheme DCM.

Coding Scheme Designator (0008,0102)	Coding Scheme UID (0008,010C)	Coding Scheme Name (0008,0115)	Coding Scheme Responsible Organization (0008,0116)	Coding Scheme Resources Sequence (0008,0109) Type: URL	Description
ISO_OID		ISO OID	ISO		[ISO 8824-1] ISO/IEC 8824-1-Information Technology - Abstract Syntax 1 (ASN.1): Specification of Basic Notation, and [ISO 9834-1] - Information technology - Open Systems Interconnection - Procedures for the operation of OSI Registration Authorities: General procedures and top arcs of the ASN.1 Object Identifier tree
ITIS_TSN	1.2.840.10008.2.16.7	ITIS TSN	ITIS	DOC: http://www.itis.gov	A Taxonomic Serial Number (TSN) is a unique, persistent, non-intelligent identifier for a scientific name in the context of the Integrated Taxonomic Information System (ITIS).
LN	2.16.840.1.113883.6.1	LOINC	Regenstrief Institute	DOC: http://loinc.org/	[LOINC] Logical Observation Identifier Names and Codes
MA	1.2.840.10008.2.16.5	Adult Mouse Anatomy Ontology	The Jackson Laboratory	DOC: http://www.informatics.jax.org/searches/AMA.cgi?id=MA:0002405	Hayamizu TF, Mangan M, Corradi JP, Kadin JA, Ringwald M. The Adult Mouse Anatomical Dictionary: a tool for annotating and integrating data. Genome Biology 2005;6(3):R29. doi:10.1186/gb-2005-6-3-r29. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1088948/
MAYOASRG	1.2.840.10008.2.16.12	Mayo Clinic Non-radiological Images Specific Body Structure Anatomical Surface Region Guide			The numeric code of entries in the Mayo Clinic Non-radiological Images Specific Body Structure Anatomical Surface Region Guide.
MDC	2.16.840.1.113883.6.24				ISO/IEEE 11073 Medical Device Nomenclature, including all its subsections ([ISO/IEEE 11073-10101], [ISO/IEEE 11073-10101a], [ISO/IEEE 11073-10102], etc.), encoded as decimal strings <partition>:<element>
MDNS					Universal Medical Device (UMD) Nomenclature System
MGI	1.2.840.10008.2.16.8	MGI	The Jackson Laboratory	DOC: http://www.informatics.jax.org/mgihome/nomen/	The MGI ID from the Mouse Genome Initiative (MGI) nomenclature.

Coding Scheme Designator (0008,0102)	Coding Scheme UID (0008,010C)	Coding Scheme Name (0008,0115)	Coding Scheme Responsible Organization (0008,0116)	Coding Scheme Resources Sequence (0008,0109) Type: URL	Description
MSH	2.16.840.1.113883.6.177	MeSH	NLM	DOC: http://www.nlm.nih.gov/mesh/meshhome.html	US National Library of Medicine (NLM) Medical Subject Headings (MeSH)
NBD	2.16.840.1.113883.15.2				NASPE/BPEG Defibrillator Code Bernstein AD, et al."The NASPE/BPEG Defibrillator Code" PACE, 16:1776-1780, 1993
NBG	2.16.840.1.113883.15.3			DOC: http://www.hrsonline.org/Practice-Guidance/Clinical-Guidelines-Documents/2002-The-Revised-NASPE-BPEG-Generic-Code-for-Antibradycardia-AdaptiveRate-and-Multisite-Pacing	NASPE/BPEG Generic Pacemaker Code (2000) Bernstein AD, et al."The Revised NASPE/BPEG Generic Code for antibradycardia, adaptive-rate, and multisite pacing." Pacing Clin Electrophysiol., 25:260-264, 2002 See http://www.hrsonline.org/Practice-Guidance/Clinical-Guidelines-Documents/2002-The-Revised-NASPE-BPEG-Generic-Code-for-Antibradycardia-AdaptiveRate-and-Multisite-Pacing.
NCDR					American College of Cardiology National Cardiovascular Data Registry™ Cath Lab Module Version 1.1, 1997; Version 2.0b, 1999
NCIt	2.16.840.1.113883.3.26.1.1	NCI Thesaurus	NCI	DOC: http://ncit.nci.nih.gov/	
NDC	2.16.840.1.113883.6.69	National Drug Code Directory	US FDA	DOC: http://www.fda.gov/Drugs/InformationOnDrugs/ucm142438.htm DOC: http://www.hl7.org/fhir/ndc.html	The code value is the 10 digit 3 segment NDC code with "-" between segments included and no asterisk (leading zero placeholder).
NEU	2.16.840.1.113883.6.210	NeuroNames		DOC: http://braininfo.rprc.washington.edu/aboutBrainInfo.aspx#NeuroNames	The numeric brainInfoID is used as the code value. See
NICIP	2.16.840.1.113883.2.1.3.2.4.21	NICIP	UK NHS	DOC: http://digital.nhs.uk/article/1108/National-Interim-Clinical-Imaging-Procedure-NICIP-Code-Set	UK National Health Service National Interim Clinical Imaging Procedures (NICIP) Short Code (e.g., "CCHAPC" for CT Thorax abdomen pelvis with contrast)

Coding Scheme Designator (0008,0102)	Coding Scheme UID (0008,010C)	Coding Scheme Name (0008,0115)	Coding Scheme Responsible Organization (0008,0116)	Coding Scheme Resources Sequence (0008,0109) Type: URL	Description
NPI					HCFA National Provider Identifier
NYUMCCG	1.2.840.10008.2.16.11	New York University Melanoma Clinical Cooperative Group		DOC: http://www.anatomymapper.com/nyu/	The numeric code of entries in the New York University Melanoma Clinical Cooperative Group's numbering system.
PATHLEX	1.3.6.1.4.1.19376.1.8.2.1	PathLex	IHE	DOC: http://www.ihe.net/Technical_Framework/upload/IHE_PAT_Suppl_APSR_Appendix_Value_Sets_2011_03_31.xls DOC: http://purl.bioontology.org/ontology/PATHLEX	The numeric pathLexCode is used as the code value.
POS	2.16.840.1.113883.6.50				HCFA Place of Service (POS) Codes for Professional Claims
PUBCHEM_CID	1.2.840.10008.2.16.9	PubChem	NCBI	DOC: http://pubchem.ncbi.nlm.nih.gov/	US National Center for Biotechnology Information (NCBI) PubChem Compound CID.
RADLEX	2.16.840.1.113883.6.256	RadLex	RSNA	DOC: http://www.radlex.org/	[RadLex]
RFC3066	2.16.840.1.113883.6.121	RFC 3066	IETF	DOC: http://tools.ietf.org/html/rfc3066	[RFC 3066], Tags for the Identification of Languages, Internet Engineering Task Force Note HL7 uses "IETF3066" for the symbolic name. [RFC 3066] has been superseded by [RFC 4646], which in turn has been superceded by [RFC 5646].

Coding Scheme Designator (0008,0102)	Coding Scheme UID (0008,010C)	Coding Scheme Name (0008,0115)	Coding Scheme Responsible Organization (0008,0116)	Coding Scheme Resources Sequence (0008,0109) Type: URL	Description
RFC-3881		RFC 3881	IETF	DOC: http://tools.ietf.org/html/rfc3881	[RFC 3881], Security Audit and Access Accountability Message - XML Data Definitions for Healthcare Applications Note A hyphen is used in the Coding Scheme Designator for consistency with historical use in IHE. See IHE ITI TF Vol2a. Section 3.20.7.1.3.
RFC5646	2.16.840.1.113883.6.316	RFC 5646	IETF	DOC: http://tools.ietf.org/html/rfc5646	[RFC 5646], Tags for Identifying Languages, The Internet Society (2009) Note The HL7 OID Registry specifies "rfc5646", not "ietf5646", as the Desired Symbolic Name (inconsistent with the pattern used for [RFC 4646]). [RFC 5646] constitutes one part of IETF Best Current Practice BCP 47 Tags for Identifying Languages, which also includes [RFC 4647] Matching of Language Tags; [RFC 4647] is not relevant in this context.
RO	1.2.840.10008.2.16.14	Radiomics Ontology		DOC: http://bioportal.bioontology.org/ontologies/RO	
99SDM	2.16.840.1.113883.6.53	SDM	DICOM		SNOMED DICOM Microglossary (Retired) (see Section 8.1)

Coding Scheme Designator (0008,0102)	Coding Scheme UID (0008,010C)	Coding Scheme Name (0008,0115)	Coding Scheme Responsible Organization (0008,0116)	Coding Scheme Resources Sequence (0008,0109) Type: URL	Description
SCPECG					Standard Communications Protocol for Computer-Assisted Electrocardiography, Draft proposal for ISO Standard, AAMI, Revision 1.3
SNM3	2.16.840.1.113883.6.51	SNOMED V3	SNOMED International	DOC: http://www.snomed.org/	SNOMED International Version 3 (see Section 8.1) Note This coding scheme is deprecated. The use of "SNOMED-RT style" code values is no longer authorized by SNOMED except for creation by legacy devices, legacy objects in archives, and receiving systems that need to understand them.
SCT	2.16.840.1.113883.6.96	SNOMED CT	SNOMED International	DOC: http://www.snomed.org/	[SNOMED], using the CT code values

Coding Scheme Designator (0008,0102)	Coding Scheme UID (0008,010C)	Coding Scheme Name (0008,0115)	Coding Scheme Responsible Organization (0008,0116)	Coding Scheme Resources Sequence (0008,0109) Type: URL	Description
SRT	2.16.840.1.113883.6.96	SNOMED CT	SNOMED International	DOC: http://www.snomed.org/	[SNOMED], using the "SNOMED-RT style" code values (see Section 8.1) Note 1. HL7 uses "SNM" for the symbolic name. 2. This coding scheme is deprecated. The use of "SNOMED-RT style" code values is no longer authorized by SNOMED except for creation by legacy devices, legacy objects in archives, and receiving systems that need to understand them.
UBERON	1.2.840.10008.2.16.6	UBERON		DOC: http://uberon.org/	The Uberon ID from the Uberon integrated cross-species ontology covering anatomical structures in animals.
UCUM	2.16.840.1.113883.6.8	UCUM	Regenstrief Institute	DOC: http://unitsofmeasure.org/ucum.html	[UCUM] Unified Code for Units of Measure
UMLS	2.16.840.1.113883.6.86	UMLS	NLM	DOC: http://www.nlm.nih.gov/research/umls/	UMLS codes as CUIs making up the values in a coding system
UPC	2.16.840.1.113883.6.55				Universal Product Code - Universal Code Council

Table 8-2. HL7v3 Coding Schemes

Coding Scheme Designator	Coding Scheme UID	Description
ActCode	2.16.840.1.113883.5.4	
ActPriority	2.16.840.1.113883.5.7	
AdministrativeGender	2.16.840.1.113883.5.1	

Coding Scheme Designator	Coding Scheme UID	Description
mediaType	2.16.840.1.113883.5.79	RFC2046
NullFlavor	2.16.840.1.113883.5.1008	
ObservationInterpretation	2.16.840.1.113883.5.83	
Confidentiality	2.16.840.1.113883.5.25	
ParticipationType	2.16.840.1.113883.5.90	

8.1 SNOMED CT

SNOMED (the Systematized Nomenclature of Medicine) Clinical Terms (CT) is the preferred coding system within DICOM for anatomy, clinical findings, procedures, pharmaceutical/biologic products (including contrast agents), and other clinical terms.

SNOMED has had various versions, including SNOMED International (Version 3), which was issued in 1993 and revised through 1998, SNOMED Reference Terminology, the successor to SNOMED 3 that was published between 1999 and 2001, and SNOMED Clinical Terms, which has been the name since 2002. The coding scheme is fully backward-compatible across SNOMED 3, SNOMED-RT, and SNOMED CT. SNOMED CT introduced a solely numeric set of codes (ConceptID) in addition to the former alphanumeric codes (SnomedID), but all SNOMED terminology concepts have both a numeric and an alphanumeric code.

In previous editions of the DICOM Standard, the following Coding Scheme Designators were used for SNOMED codes in DICOM:

- "99SDM", denoting the provisional SNOMED DICOM Microglossary
- "SNM3", denoting SNOMED International (Version 3)
- "SRT", originally denoting SNOMED-RT, but later used to identify SNOMED CT concepts using "SNOMED-RT style" alphanumeric code values

All uses of SNOMED CT coded terms in DICOM are now indicated by the Coding Scheme Designator "SCT", identifying them as SNOMED CT numeric Concept IDs as code values.

When a Coding Scheme Designator of "99SDM", "SNM3" or "SRT" is encountered by a receiving system, the "SNOMED-RT style" alphanumeric Code Value needs to be mapped to the corresponding concept designated by the SNOMED CT Concept IDs assigned to the same concept.

Note

"SRT" as a coding scheme designator was used only in the DICOM Standard. HL7v2 did not standardize a coding scheme designator for SNOMED-RT.

When interoperating with systems that use SNOMED CT codes, Application Entities may receive and are expected to send Code Sequences with a numeric ConceptID code. It is the responsibility of such Application Entities to convert any alphanumeric SnomedID with Coding Scheme Designator "SRT" used in old DICOM objects and services to the corresponding numeric ConceptID code.

Note

1. Some non-DICOM systems may use a Coding Scheme Designator of "SNOMED-CT" rather than "SCT" as is used in DICOM.
2. The SNOMED organization's policy on the use of "antecedent versions", including the continued use of "SNOMED-RT style" alphanumeric code values is described at: http://www.snomed.org/news-articles/timetable-for-the-withdrawal-of-legacy-snomed-codes.
3. Since the SNOMED organization no longer distributes a reference set that includes a mapping of "SNOMED-RT style" SNOMED IDs to SNOMED Concept IDs a complete mapping of those used in DICOM is provided in Annex O to allow implementers to process legacy objects from legacy devices and archives.

8.1.1 Use of SNOMED Anatomic Concepts

In general, DICOM uses the anatomic concepts with the term "structure", rather than with the term "entire". This is an important distinction in SNOMED. "Entire" is a child concept to "structure", has a more restricted meaning, and typically is used in conjunction with treatments (e.g., "excision of *entire* right kidney"). It is used in distinction to other sibling children of the parent concept that may identify parts of the parent anatomic feature. Since imaging typically targets both the anatomic feature and the area around it, or sometimes just part of the anatomic feature, DICOM usually uses "structure" concepts that are more inclusive than the "entire" concepts.

8.2 ISO_OID

[ISO 8824-1] and [ISO 9834-1] are the standards defined for the generation of object identifiers that are used as DICOM Unique Identifiers (see PS3.5), can also serve as a general mechanism for identifying organizations and objects defined by those organizations.

When the Coding Scheme Designator is ISO_OID, the Code Value shall be the numeric (dot delimited) form of a valid object identifier.

A repository of known existing object identifiers can be found at http://www.oid-info.com/index.htm. For example:

- the ISO 9834-1 assigned numeric object identifier for the country France, is "1.0.3166.2.2.1.250" (since ISO 3166 defines a means for maintaining country codes using object identifiers)
- the object identifier for the RIPEMD-160 cryptographic hash function is "1.0.10118.3.0.49"
- the object identifier for the HL7 V2 table of codes for marital status is "2.16.840.1.113883.12.2"

The re-use of object identifiers for existing concepts that do not have an alternative more appropriate coding scheme compatible with DICOM provides a mechanism to avoid defining new codes. For example, HL7 assigned object identifiers can be found at http://www.hl7.org/oid/index.cfm.

Though the intent of ISO_OID is to define organizational roots for the hierarchical assignment of object identifiers, and not specifically to identify organizations per se, the organizational root values can be construed as identifying the organization. For example, the DICOM Standards Organization itself can be identified by the value "1.2.840.10008". See also CID 5002 “Organizations”.

8.3 Retired Codes and Expected Behavior

As this Standard and external coding schemes are maintained, the codes specified as Concept Names, Concept Values and in Conditions may change. The previous codes are considered Retired but implementations may continue to send them and receivers will be expected to be able to continue to recognize the Retired codes, including the Code Value and Coding Scheme Designator, even if the current Standard does not publish them.

A notable example is the change throughout the Standard from using "SNOMED-RT style" code values with a Coding Scheme Designator of "SRT", "SNM3" or "99SDM", to the use of SNOMED CT numeric code values with a Coding Scheme Designator of "SCT". A mapping of retired to new SNOMED codes is found in Annex O.

A Structured Reporting Templates (Normative)

This Annex specifies the content of Standard Templates that may be used by DICOM SR IODs.

General Templates

TID 300 Measurement

This Template provides a general structure for a numeric measurement, together with evaluations of its normality and/or significance, and the inference source(s) for its value. This structure is instantiated by inclusion of this Template with specific contextual parameters from a parent Template.

Table TID 300. Parameters

Parameter Name	Parameter Usage
$Measurement	Coded term or Context Group for Concept Name of measurement
$Units	Units of Measurement
$ModType	Modifier Name for Concept Name of measurement
$ModValue	Modifier Value for Concept Name of measurement
$Method	Value for Measurement Method
$Derivation	Value for Measurement Derivation
$TargetSite	Value(s) for Anatomic Location of measurement
$TargetSiteMod	Modifier Value for Anatomic Location of measurement
$Equation	Coded term or Context Group for the equation or table from which the measurement was derived or computed
$ImagePurpose	Purpose of Reference for an image used as a source of the measurement
$WavePurpose	Purpose of Reference for a waveform used as a source of the measurement
$RefAuthority	Bibliographic reference or authority for statistical properties of a reference population
$RangeAuthority	Bibliographic reference or authority for the normal range of the measurement
$DerivationParameter	Coded term or Context Group for Concept Name of a derivation parameter
$DerivationParameterUnits	Units of derivation parameter

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 300. Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	$Measurement	1	M		UNITS = $Units
2	>	HAS CONCEPT MOD	CODE	$ModType	1-n	U		$ModValue
3	>	HAS CONCEPT MOD	CODE	EV (370129005, SCT, "Measurement Method")	1	U		$Method
4	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	U		$Derivation

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1-n	U		$TargetSite
6	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 244 “Laterality”
7	>>	HAS CONCEPT MOD	CODE	DT (106233006, SCT, "Topographical modifier")	1	U		$TargetSiteMod
8	>	HAS PROPERTIES	INCLUDE	DTID 310 “Measurement Properties”	1	U		$RefAuthority = $RefAuthority $RangeAuthority = $RangeAuthority
9	>	INFERRED FROM	NUM	$DerivationParameter	1-n	UC	XOR Row 10	UNITS = $DerivationParameterUnits
10	>	R-INFERRED FROM	NUM	$DerivationParameter	1-n	UC	XOR Row 9	UNITS = $DerivationParameterUnits
11	>	INFERRED FROM	INCLUDE	DTID 315 “Equation or Table”	1	UC	XOR Row 12	$Equation = $Equation
12	>	INFERRED FROM	TEXT	DCID 228 “Equation or Table”	1	UC	XOR Row 11	
13	>		INCLUDE	DTID 320 “Image or Spatial Coordinates”	1-n	U		$Purpose = $ImagePurpose
14	>		INCLUDE	DTID 321 “Waveform or Temporal Coordinates”	1-n	U		$Purpose = $WavePurpose
15	>		INCLUDE	DTID 1000 “Quotation”	1	U		
16	>	HAS CONCEPT MOD	TEXT	EV (121050, DCM, "Equivalent Meaning of Concept Name")	1	U		
17	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		
18	>	INFERRED FROM	COMPOSITE	EV (126100, DCM, "Real World Value Map used for measurement")	1	U		SOP Class UID shall be Real World Value Mapping Storage ("1.2.840.10008.5.1.4.1.1.67")
19	>	HAS CONCEPT MOD	INCLUDE	DTID 4019 “Algorithm Identification”	1	U		

Content Item Descriptions

Rows 2, 3, 4, 5	The HAS CONCEPT MOD items allow the explicit definition of terms for post-coordination of the measurement concept name. Additional post-coordinated modifier terms may be included in a SOP Instance based on this Template, in accordance with section 6.2.4, or as defined by Templates that invoke this Template and explicitly define additional post-coordinated modifiers (e.g., TID 5203).
Row 5	Finding site may be multiple when a region of interest spans multiple anatomical locations and there is not a single pre-coordinated code describing the combination of locations. E.g., when a maligant, inflammatory or traumatic process spans actual or defined anatomical boundaries. There is no requirement that the multiple locations be contiguous.
Rows 9, 10	The INFERRED FROM items allow the specification (by-value or by-reference) of numeric values that were used in the derivation of the numeric measurement of Row 1. The nature of the inference is not explicitly conveyed; it may be implicit in the Concept Names of the measurements. Inference by-reference is valid only in SOP Classes that permit the INFERRED FROM relationship by-reference.

Row 16	Equivalent Meaning of Concept Name allows the creating application to specify the preferred composed concept name representing the measurement and the associated post-coordinated concept modifiers. The concept modifiers may include those specified in this Template, in a Template that invokes this Template, or at the option of the creating application in accordance with section 6.2.4. This composed concept name may be rendered by a display application.
Row 18	Row 18 is a reference to an RWV that describes how measurements were made in units that differ from the stored pixel values in the images referenced in Row 13. E.g., for a PET SUVbw measurement, the mapping from activity/concentration units in the referenced image that was used (and which may be reused for measurements in the future) may be encoded in a referenced RWV instance. This reference overrides any reference in an including Template (such as for a Measurement Group).

TID 310 Measurement Properties

This Template provides the properties of a numeric measurement, including evaluations of its normality and/or significance, its relationship to a reference population, and an indication of its selection from a set of measurements.

Table TID 310. Parameters

Parameter Name	Parameter Usage
$RefAuthority	Bibliographic reference or authority for statistical properties of a reference population
$RangeAuthority	Bibliographic reference or authority for the normal range of the measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 310. Measurement Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121402, DCM, "Normality")	1	U		DCID 222 “Normality Codes”
2			INCLUDE	DTID 311 “Measurement Statistical Properties”	1	U		$RefAuthority = $RefAuthority
3			INCLUDE	DTID 312 “Normal Range Properties”	1	U		$RangeAuthority = $RangeAuthority
4			CODE	EV (121403, DCM, "Level of Significance")	1	U		DCID 220 “Level of Significance”
5			NUM	DCID 225 “Measurement Uncertainty Concepts”	1-n	U		
6			CODE	EV (121404, DCM, "Selection Status")	1	U		DCID 224 “Selection Method”

TID 311 Measurement Statistical Properties

This Template provides the statistical properties of a reference population for a numeric measurement, and/or the position of a measurement in such a reference population.

Table TID 311. Parameters

Parameter Name	Parameter Usage
$RefAuthority	Bibliographic reference or authority for statistical properties of a reference population

Type: **Extensible**
Order: **Significant**

Root: **No**

Table TID 311. Measurement Statistical Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID 221 “Measurement Range Concepts”	1-n	M		
2			TEXT	EV (121405, DCM, "Population description")	1	U		
3			TEXT	EV (121406, DCM, "Reference Authority")	1	UC	XOR row 4	
4			CODE	EV (121406, DCM, "Reference Authority")	1	UC	XOR row 3	$RefAuthority

TID 312 Normal Range Properties

This Template provides the normal range of values for a numeric measurement.

Table TID 312. Parameters

Parameter Name	Parameter Usage
$RangeAuthority	Bibliographic reference or authority for the normal range of the measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 312. Normal Range Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID 223 “Normal Range Values”	1-n	M		
2			TEXT	EV (121407, DCM, "Normal Range description")	1	U		
3			TEXT	EV (121408, DCM, "Normal Range Authority")	1	UC	XOR row 4	
4			CODE	EV (121408, DCM, "Normal Range Authority")	1	UC	XOR row 3	$RangeAuthority

TID 315 Equation or Table

Table TID 315. Parameters

Parameter Name	Parameter Usage
$Equation	Coded term or Context Group for the equation or table from which a measurement was derived or computed

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 315. Equation or Table

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID 228 “Equation or Table”	1	M		$Equation
2	>	HAS PROPERTIES	NUM		1-n	U		
3	>	R-HAS PROPERTIES	NUM		1-n	U		

Content Item Descriptions

Row 2	The HAS PROPERTIES allows the specification of the numeric values used as input to the equation or table identified in Row 1.
Row 3	The HAS PROPERTIES allows the specification by-reference of the numeric values used as input to the equation or table. This row is valid only in SOP Classes that permit the HAS PROPERTIES relationship by-reference.

Note

For example, if Row 1 identifies a specific Body Surface Area equation, Rows 2 and 3 can be used to convey (by-value or by-reference) the Patient Height and Patient Weight numeric measurements used in the BSA computation.

TID 320 Image or Spatial Coordinates

This Template provides a general structure for inference from an image, either as a whole, or with specific spatial coordinates, as a single included Template in the invoking Template. If allowed by the IOD, the Image Content Item may be included by-reference.

Table TID 320. Parameters

Parameter Name	Parameter Usage
$Purpose	Purpose of Reference for an image used as a source of the measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 320. Image or Spatial Coordinates

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		INFERRED FROM	IMAGE	$Purpose	1	MC	XOR Rows 2, 3	
2		R-INFERRED FROM	IMAGE		1	MC	XOR Rows 1, 3	
3		INFERRED FROM	SCOORD	$Purpose	1	MC	XOR Rows 1, 2	
4	>	SELECTED FROM	IMAGE		1	MC	XOR Row 5	
5	>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 4	

TID 321 Waveform or Temporal Coordinates

This Template provides a general structure for referencing a waveform, either as a whole, or with specific temporal coordinates, as a single included Template in the invoking Template. If allowed by the IOD, the Waveform Content Item may be included by-reference.

Table TID 321. Parameters

Parameter Name	Parameter Usage
$Purpose	Purpose of Reference for a waveform used as a source of the measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 321. Waveform or Temporal Coordinates

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		INFERRED FROM	WAVEFORM	$Purpose	1	MC	XOR Rows 2, 3	
2		R-INFERRED FROM	WAVEFORM		1	MC	XOR Rows 1, 3	
3		INFERRED FROM	TCOORD	$Purpose	1	MC	XOR Rows 1, 2	
4	>	SELECTED FROM	WAVEFORM		1	MC	XOR Row 5	
5	>	R-SELECTED FROM	WAVEFORM		1	MC	XOR Row 4	

TID 350 References to Supporting Evidence

This Template provides references to supporting evidence in the form of DICOM composite objects. This includes references to images, spatial coordinates on images, and other composite objects, such as Structured Reports.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 350. References to Supporting Evidence

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			IMAGE	BCID 7003 “Diagnostic Imaging Report Purposes of Reference”	1-n	U		
2			SCOORD	BCID 7003 “Diagnostic Imaging Report Purposes of Reference”	1-n	U		
3	>	SELECTED FROM	IMAGE		1	M		
4			COMPOSITE	DT (122073, DCM, "Current procedure evidence")	1-n	U		
5	>	HAS CONCEPT MOD	CODE	EV (121144, DCM, "Document Title")	1	U		

TID 351 Previous Reports

This general Template provides a means to reference previous structured reporting composite object instances.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 351. Previous Reports

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111549, DCM, "Previous Reports")	1	M		
2	>	CONTAINS	COMPOSITE		1-n	M		

Content Item Descriptions

Row 2	Concept Name may be the Root Concept Name (title) of a Structured Report composite object instance.

TID 400 Reference Location

This TID is a subset of the Reference Location Macro. See Section 10.27 “Reference Location Macro” in PS3.3.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 400. Reference Location

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (128772, DCM, "Reference Basis")	1	M		BCID 1001 “Anatomical Reference Basis”
2			CODE	EV (128773, DCM, "Reference Geometry")	1	M		BCID 1010 “Reference Geometry - Planes”

TID 1000 Quotation

Unless otherwise specified, content in an SR tree is "directly" observed. When material is quoted (from a source that is either a document or something spoken), then it is necessary to specify:

- the fact that one is quoting
- who is doing the quoting
- the source of the quote
- who is being quoted, and who and what the quote is about

This Template establishes a mechanism for quoting by specifying:

- the fact that one is quoting, by the presence of the contents of the Template in the tree
- that the "observer context" above the invocation of this Template establishes who is doing the quoting
- the source of the quote, by the values of the Content Items in this Template
- who is being quoted, and who and what the quote is about, by the observation context that is established at the start of the quoted material

This Template may be invoked recursively, to nest quotes within quotes. In essence, the chain of who is quoting whom can be established by maintaining a "stack" of observer context.

If a dimension of observation context is the same in the quoted material as in the enclosing tree, then the observation context does not need to be respecified (e.g., the quote may be about the same subject or procedure). Typically, the observer context would change (unless one were quoting oneself).

In the case of quoting something that was spoken, the "observer" is the person speaking.

TID 1000 is attached using HAS OBS CONTEXT relationships to the top node of the material that is being quoted. The presence of the Quoted Source concept signals the fact that the material is quoted rather than directly observed.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1000. Quotation

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS OBS CONTEXT	CODE	EV (121001, DCM, "Quotation Mode")	1	M		EV (121003, DCM, "Document") EV (121004, DCM, "Verbal")
2		HAS OBS CONTEXT	COMPOSITE	EV (121002, DCM, "Quoted Source")	1	MC	Required if quoted material source is a DICOM composite object	
3		HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		

TID 1001 Observation Context

Specifies attributes of observation context that may be defined, extended or replaced at any location in the SR tree.

This includes attributes that specify:

- who or what the observation is about ("subject context")
- what procedure the observation is about ("procedure context")
- who or what is making the observation ("observer context")

Establishing context includes two aspects of each dimension: identification and description (e.g., patient name and ID vs. patient's age, height or weight).

Whenever one dimension of context is changed or an attribute is added, all attributes of that dimension of context are "flushed", that is they need to be repeated in their entirety. For example, when the subject is changed from patient (name, id) to fetus (number), then the parameters of the patient are discarded. E.g., the patient's ID does not apply to the fetus.

"Extending" the same class and dimension of observation context isn't feasible, since one cannot "null out" or remove a previously set attribute. Any time a dimension of observation context is "replaced", any attributes that are unspecified remain unspecified (i.e., they are not inherited).

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 1001. Observation Context

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	MC	Required if all aspects of observer context are not inherited.	Defaults to the attributes of the Author Observer Sequence (0040,A078), or the Verifying Observer Sequence (0040,A073) if the Author Observer Sequence is not present
2		HAS OBS CONTEXT	INCLUDE	DTID 1005 “Procedure Context”	1	MC	Required if all aspects of procedure context are not inherited.	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3		HAS OBS CONTEXT	INCLUDE	DTID 1006 “Subject Context”	1	MC	Required if all aspects of observation subject context are not inherited.	

TID 1002 Observer Context

The observer (person or device) that created the Content Items to which this context applies.

Whenever this Template is invoked, all previously inherited attributes of Observer Context are discarded and replaced.

There may be more than one observer, as this Template may be invoked with a VM 1-n, and both person and device observers. In such a case, the Content Items of TID 1003 “Person Observer Identifying Attributes” and TID 1004 “Device Observer Identifying Attributes” shall be included in the order in which the values of Observer Type are specified. Since TID 1003 “Person Observer Identifying Attributes” and TID 1004 “Device Observer Identifying Attributes” both include a single mandatory Content Item as their first Content Item, which observer is being described can be determined

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 1002. Observer Context

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS OBS CONTEXT	CODE	EV (121005, DCM, "Observer Type")	1	MC	IF Observer type is device	DCID 270 “Observer Type” Defaults to (121006, DCM, "Person")
2		HAS OBS CONTEXT	INCLUDE	DTID 1003 “Person Observer Identifying Attributes”	1	MC	IFF Row 1 value = (121006, DCM, "Person") or Row 1 is absent	
3		HAS OBS CONTEXT	INCLUDE	DTID 1004 “Device Observer Identifying Attributes”	1	MC	IFF Row 1 value = (121007, DCM, "Device")	

TID 1003 Person Observer Identifying Attributes

This Template contains identifying (and optionally descriptive) attributes of persons that are observers.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1003. Person Observer Identifying Attributes

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			PNAME	EV (121008, DCM, "Person Observer Name")	1	M		
1a			TEXT	EV (128774, DCM, "Person Observer's Login Name")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2			TEXT	EV (121009, DCM, "Person Observer's Organization Name")	1	U		Defaults to Institution Name (0008,0080) of the General Equipment Module
3			CODE	EV (121010, DCM, "Person Observer's Role in the Organization")	1	U		BCID 7452 “Organizational Roles”
4			CODE	EV (121011, DCM, "Person Observer's Role in this Procedure")	1	U		BCID 7453 “Performing Roles”
5	>	HAS CONCEPT MOD	TEXT	EV (128775, DCM, "Identifier within Person Observer's Role")	1	U		

Row 5	E.g., "1" or "2", or "A" or "B"; should not recapitulate the role (i.e., should not be "READER1"), since it is used in conjunction with a separate coded concept for the role itself.

TID 1004 Device Observer Identifying Attributes

This Template (derived from the Section C.7.5.1 “General Equipment Module” in PS3.3) contains identifying (and optionally descriptive) attributes of devices that are observers.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1004. Device Observer Identifying Attributes

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			UIDREF	EV (121012, DCM, "Device Observer UID")	1	M		Defaults to value of Device UID (0008,1002) in General Equipment Module
2			TEXT	EV (121013, DCM, "Device Observer Name")	1	U		Defaults to value of Station Name (0008,1010) in General Equipment Module
3			TEXT	EV (121014, DCM, "Device Observer Manufacturer")	1	U		Defaults to value of Manufacturer (0008,0070) in General Equipment Module
4			TEXT	EV (121015, DCM, "Device Observer Model Name")	1	U		Defaults to value of Manufacturer's Model Name (0008,1090) in General Equipment Module
5			TEXT	EV (121016, DCM, "Device Observer Serial Number")	1	U		Defaults to value of Device Serial Number (0018,1000) in General Equipment Module
6			TEXT	EV (121017, DCM, "Device Observer Physical Location During Observation")	1	U		
7			CODE	EV (113876, DCM, "Device Role in Procedure")	1-n	U		BCID 7445 “Device Participating Roles”
8			TEXT	EV (110119, DCM, "Station AE Title")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
10	>	CONTAINS	TEXT	EV (74711-3, LN, "Unique Device Identifier")	1	M		
11	>	CONTAINS	TEXT	EV (120999, DCM, "Device Description")	1	U		

Content Item Descriptions

Row 7	If the device performing the observations has other roles, e.g., as the irradiating device in a dose report, this may be recorded here, if not implicit.
Row 10, 11	The description can be used to distinguish between multiple UDIs.

TID 1005 Procedure Context

This Template contains identifying (and optionally descriptive) attributes of the procedure that is the source of evidence being interpreted.

Whenever this Template is invoked, all previously inherited attributes of Procedure Context are discarded and replaced.

Note

If an observed digital image is identified by other than a DICOM UID, a Study Instance UID must be generated for the non-DICOM evidence. The same must be done to document interpretation of hard-copy radiographs generated outside of the scope of the DICOM system.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 1005. Procedure Context

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			UIDREF	EV (121018, DCM, "Procedure Study Instance UID")	1	U		Defaults to Study Instance UID (0020, 000D) of General Study Module
2			UIDREF	EV (121019, DCM, "Procedure Study Component UID")	1-n	U		
3			TEXT	EV (121020, DCM, "Placer Number")	1	U		
4	>	HAS CONCEPT MOD	TEXT	EV (110190, DCM, "Issuer of Identifier")	1	U		
5			TEXT	EV (121021, DCM, "Filler Number")	1	U		
6	>	HAS CONCEPT MOD	TEXT	EV (110190, DCM, "Issuer of Identifier")	1	U		
7			TEXT	EV (121022, DCM, "Accession Number")	1	U		Defaults to (0008,0050)
8	>	HAS CONCEPT MOD	TEXT	EV (110190, DCM, "Issuer of Identifier")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9			CODE	EV (121023, DCM, "Procedure Code")	1-n	U		Defaults to Procedure Code Sequence (0008,1032) of General Study Module

Content Item Descriptions

Rows 5, 6	The issuer shall be formatted in accordance with the HL7v2 Hierarchic Designator Data Type. That format is [*Namespace ID*]^[*Universal ID*^ *Universal ID Type*], where *Namespace ID*identifies an entity within the local namespace or domain, *Universal ID*is a universal or unique identifier for an entity, and *Universal ID Type*specifies the standard format of the Universal ID (see HL7 v2 Section 2.A.33).

TID 1006 Subject Context

This Template contains identifying (and optionally descriptive) attributes of the subject of the observation.

Subject context identifies (and optionally) describes the subject of the observation, whether it be a patient (human or animal), a fetus (human or animal), a specimen, or a device.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 1006. Subject Context

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121024, DCM, "Subject Class")	1	MC	IF subject is not the Patient	DCID 271 “Observation Subject Class” Defaults to (121025, DCM, "Patient")
2			INCLUDE	DTID 1007 “Subject Context, Patient”	1	UC	IFF Row 1 value = (121025, DCM, "Patient") or Row 1 is absent	May be used for human or animal patients
3			INCLUDE	DTID 1008 “Subject Context, Fetus”	1	UC	IFF Row 1 value = (121026, DCM, "Fetus")	May be used for human or animal fetuses
4			INCLUDE	DTID 1009 “Subject Context, Specimen”	1	UC	IFF Row 1 value = (121027, DCM, "Specimen")	
5			INCLUDE	DTID 1010 “Subject Context, Device”	1	UC	IFF Row 1 value = (121192, DCM, "Device Subject")	

TID 1007 Subject Context, Patient

Identifies (and optionally describes) a patient who is the subject.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1007. Subject Context, Patient

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			UIDREF	EV (121028, DCM, "Subject UID")	1	U		E.g., SOP Instance UID of Detached Patient Instance
2			PNAME	EV (121029, DCM, "Subject Name")	1	MC	Required if not inherited.	Defaults to value of Patient's Name (0010,0010) in Patient Module
3			CODE	EV (121030, DCM, "Subject ID")	1	MC	Required if not inherited.	Defaults to value of Patient ID (0010,0020) in Patient Module
4			DATE	EV (121031, DCM, "Subject Birth Date")	1	U		Defaults to value of Patient's Birth Date (0010,0030) in Patient Module
5			CODE	EV (121032, DCM, "Subject Sex")	1	U		Defaults to value equivalent to Patient's Sex (0010,0040) in Patient Module DCID 7455 “Sex”
6			NUM	EV (121033, DCM, "Subject Age")	1	U		Defaults to value of Patient's Age (0010,1010) in Patient Study Module UNITS = DCID 7456 “Units of Measure for Age”
7			CODE	EV (121034, DCM, "Subject Species")	1	MC	Required if not inherited.	DCID 7454 “Animal Taxonomic Rank Values” Defaults to value of Patient Species Code Sequence (0010,2202) in Patient Module, or if absent, (337915000, SCT, "Homo sapiens").
8			CODE	EV (121035, DCM, "Subject Breed")	1	U		Defaults to value of Patient Breed Code Sequence (0010,2293) in Patient Module DCID 7480 “Breed”
9			CODE	EV (415229000, SCT, "Racial group")	1	U		Defaults to the coded equivalent of the text value of Ethnic Group (0010,2160) in Patient Module, which is defined as "race or ethnic group" DCID 6099 “Racial Group”

TID 1008 Subject Context, Fetus

Identifies (and optionally describes) a fetus who is the subject.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1008. Subject Context, Fetus

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			PNAME	EV (121036, DCM, "Mother of fetus")	1	U		Defaults to an observation subject that is a patient prior to replacing the Observation Subject Class with Fetus.

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2			UIDREF	EV (121028, DCM, "Subject UID")	1	U		For longitudinal tracking of individual fetuses
3			TEXT	EV (121030, DCM, "Subject ID")	1	MC	IF row 4 is absent	For longitudinal tracking of individual fetuses (human readable value e.g., "A" or "1")
4			TEXT	EV (11951-1, LN, "Fetus ID")	1	MC	IF row 3 is absent	For separation of multiple fetuses during this procedure e.g., fetus '1" of '2" … not for longitudinal comparisons.; i.e., the "m" of fetus "m" of "n"
5			NUM	EV (11878-6, LN, "Number of Fetuses by US")	1	U	XOR Row 6	UNITS = EV (1, UCUM, "no units")
6			NUM	EV (55281-0, LN, "Number of Fetuses")	1	UC	XOR Row 5	UNITS = EV (1, UCUM, "no units")

Content Item Descriptions

Row 5, 6	The "n" of fetus "m" of "n"; either the code for the ultrasound method (Row 5) or for the non-specific method (Row 6) may be used

TID 1009 Subject Context, Specimen

Identifies (and optionally describes) a specimen that is the subject.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1009. Subject Context, Specimen

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			UIDREF	EV (121039, DCM, "Specimen UID")	1	U		
2			INCLUDE	DTID 1007 “Subject Context, Patient”	1	UC	IFF the source of the specimen is a human or animal patient	
3			TEXT	EV (121041, DCM, "Specimen Identifier")	1	U		
4			TEXT	EV (111724, DCM, "Issuer of Specimen Identifier")	1	U		See Content Item descriptions
5			CODE	EV (371439000, SCT, "Specimen Type")	1	U		DCID 8103 “Anatomic Pathology Specimen Types”
6			TEXT	EV (111700, DCM, "Specimen Container Identifier")	1	U		

Content Item Descriptions

Rows 5, 6	The Issuer of Specimen Identifier shall be formatted in accordance with the HL7 v2 Hierarchic Designator data type (see HL7 v2.6 Section 2.A.33), i.e., [*Namespace ID*]^[*Universal ID^Universal ID Type*]

TID 1010 Subject Context, Device

Identifies (and optionally describes) a device that is the subject of observations.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1010. Subject Context, Device

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (121193, DCM, "Device Subject Name")	1	M		
2			UIDREF	EV (121198, DCM, "Device Subject UID")	1	U		
3			TEXT	EV (121194, DCM, "Device Subject Manufacturer")	1	U		
4			TEXT	EV (121195, DCM, "Device Subject Model Name")	1	U		
5			TEXT	EV (121196, DCM, "Device Subject Serial Number")	1	U		
6			TEXT	EV (121197, DCM, "Device Subject Physical Location during observation")	1	U		

TID 1020 Person Participant

This Template describes a person participating in an activity as other than an observer or subject. E.g., for a dose report documenting an irradiating procedure, participants include the person administering the irradiation and the person authorizing the irradiation.

This Template is included with specific contextual parameters from a parent Template.

Table TID 1020. Parameters

Parameter Name	Parameter Usage
$PersonProcedureRole	Coded term or Context Group for the Concept Name that describes the nature of the person's participation in this procedure.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1020. Person Participant

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			PNAME	EV (113870, DCM, "Person Name")	1	M		
2	>	HAS PROPERTIES	CODE	EV (113875, DCM, "Person Role in Procedure")	1	M		$PersonProcedureRole
3	>	HAS PROPERTIES	TEXT	EV (113871, DCM, "Person ID")	1	U		
4	>	HAS PROPERTIES	TEXT	EV (113872, DCM, "Person ID Issuer")	1	U		
5	>	HAS PROPERTIES	TEXT	EV (113873, DCM, "Organization Name")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	HAS PROPERTIES	CODE	EV (113874, DCM, "Person Role in Organization")	1	U		BCID 7452 “Organizational Roles”

Content Item Descriptions

Row 1	The name of the person participating in the role identified in Row 2.
Row 2	The procedural role played by the person in this procedure.
Row 6	The organizational role played by the person in the organization.

TID 1021 Device Participant

This Template describes a device participating in an activity as other than an observer or subject. E.g., for a dose report documenting an irradiating procedure, participants include the irradiating device.

This Template is included with specific contextual parameters from a parent Template.

Table TID 1021. Parameters

Parameter Name	Parameter Usage
$DeviceProcedureRole	Coded term or Context Group for the Concept Name that describes the nature of the device's participation in this procedure.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1021. Device Participant

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (113876, DCM, "Device Role in Procedure")	1	M		$DeviceProcedureRole
2	>	HAS PROPERTIES	TEXT	EV (113877, DCM, "Device Name")	1	U		
3	>	HAS PROPERTIES	TEXT	EV (113878, DCM, "Device Manufacturer")	1	M		
4	>	HAS PROPERTIES	TEXT	EV (113879, DCM, "Device Model Name")	1	M		
5	>	HAS PROPERTIES	TEXT	EV (113880, DCM, "Device Serial Number")	1	M		
6	>	HAS PROPERTIES	UIDREF	EV (121012, DCM, "Device Observer UID")	1	M		

Content Item Descriptions

Row 1	If no Device Procedure Role is provided, BCID 7445 “Device Participating Roles” may be used.
Row 2	This may be used for the name by which the organization manages the device.

TID 1200 Language Designation

Defines a mechanism for specifying a language, optionally with designation of the country in which that language applies.

Note

1. For example, the French language could be specified unmodified, or French as written in France or Canada could be distinguished.

2. The language codes specified in CID 5000 “Languages” optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier Content Item is allowed for backward compatibility with previous editions of the Standard.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1200. Language Designation

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121045, DCM, "Language")	1	M		DCID 5000 “Languages”
2	>	HAS CONCEPT MOD	CODE	EV (121046, DCM, "Country of Language")	1	U		DCID 5001 “Countries”

TID 1201 Language of Value

Defines a mechanism for specifying the language in which the value of the parent Content Item (only) is written. Does not specify the language of the Concept Name of the parent Content Item, nor of any other descendants of the parent Content Item.

Note

The language codes specified in CID 5000 “Languages” optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier Content Item is allowed for backward compatibility with previous editions of the Standard.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 1201. Language of Value

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	CODE	EV (121047, DCM, "Language of Value")	1	M		DCID 5000 “Languages”
2	>	HAS CONCEPT MOD	CODE	EV (121046, DCM, "Country of Language")	1	U		DCID 5001 “Countries”

TID 1202 Language of Name and Value

Defines a mechanism for specifying the language in which the value and the Concept Name of the parent Content Item (only) is written. Does not specify the language of any other descendants of the parent Content Item.

Note

The language codes specified in CID 5000 “Languages” optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier Content Item is allowed for backward compatibility with previous editions of the Standard.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1202. Language of Name and Value

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	CODE	EV (121048, DCM, "Language of Name and Value")	1	M		DCID 5000 “Languages”
2	>	HAS CONCEPT MOD	CODE	EV (121046, DCM, "Country of Language")	1	U		DCID 5001 “Countries”

TID 1204 Language of Content Item and Descendants

Defines a mechanism for specifying the language in which the value and the Concept Name of the parent Content Item and any other descendants of the parent Content Item is written.

Note

The language codes specified in CID 5000 “Languages” optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier Content Item is allowed for backward compatibility with previous editions of the Standard.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 1204. Language of Content Item and Descendants

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	CODE	EV (121049, DCM, "Language of Content Item and Descendants")	1	M		DCID 5000 “Languages”
2	>	HAS CONCEPT MOD	CODE	EV (121046, DCM, "Country of Language")	1	U		DCID 5001 “Countries”

TID 1210 Equivalent Meaning(s) of Concept Name

Defines a mechanism for specifying one or more equivalent meanings for the Concept Name of the parent Content Item.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 1210. Equivalent Meaning(s) of Concept Name

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	TEXT	EV (121050, DCM, "Equivalent Meaning of Concept Name")	1-n	MC	XOR Row 3	Plain text equivalent of code meaning of the concept name of the Content Item being modified, in the specified language from the specified country, using the default character set or a character set selected from Specified Character Set
2	>		INCLUDE	DTID 1201 “Language of Value”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3		HAS CONCEPT MOD	CODE	EV (121050, DCM, "Equivalent Meaning of Concept Name")	1-n	MC	XOR Row 1	
4	>		INCLUDE	DTID 1201 “Language of Value”	1	U		

Note

A coded equivalent meaning for the Concept Name can also be included using the attribute Equivalent Code Sequence (0008,0121) in the Concept Name Code Sequence (0040,A043) (see Section 8.9 “Equivalent Code Sequence” in PS3.3), though the equivalent code(s) in the Equivalent Code Sequence (0008,0121) need not be the same as those in TID 1210.

TID 1211 Equivalent Meaning(s) of Value

Defines a mechanism for specifying one or more equivalent meanings for the Value of the parent Content Item.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1211. Equivalent Meaning(s) of Value

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	TEXT	EV (121051, DCM, "Equivalent Meaning of Value")	1-n	MC	XOR Row 3	Plain text equivalent of code meaning of the value of the Content Item being modified, in the specified language from the specified country, using the default character set or a character set selected from Specified Character Set
2	>		INCLUDE	DTID 1201 “Language of Value”	1	U		
3		HAS CONCEPT MOD	CODE	EV (121051, DCM, "Equivalent Meaning of Value")	1-n	MC	XOR Row 1	
4	>		INCLUDE	DTID 1201 “Language of Value”	1	U		

Note

1. For example, to describe a longer, more meaningful equivalent (in the same language) for a procedure code than is defined in a coding scheme:

   CODE: (121023, DCM, "Procedure Code") = (50291CC, ICD10PCS, "IMAGING:CNS:CT:SELLA:LOWOSMOLAR:IT, U, E:2PLANE3D")

   > *HAS CONCEPT MOD* TEXT: (121051, DCM, "Equivalent meaning of value") = "imaging study central nervous system of the sella turcica/pituitary gland with low osmolar contrast intrathecal, unenhanced and enhanced, in two planes with 3D reconstructions"

2. For example, to specify a concept name and value in both French and English in Canada:

   CODE:(91723000, SCT, "Anatomical structure") = (76752008, SCT, "Breast")

   > *HAS CONCEPT MOD* CODE: (121048, DCM, "Language of name and value") = (en-CA, RFC5646, "English, Canada")

> *HAS CONCEPT MOD* CODE: (121050, DCM, "Equivalent meaning of concept name") = (91723000, SCT, Structure de l'anatomie")

>> *HAS CONCEPT MOD* CODE: (121047, DCM, "Langue de la valeur") = (fr-CA, RFC5646, "Français, Canadien")

> *HAS CONCEPT MOD* CODE: (121051, DCM, "Equivalent meaning of value") = (76752008, SCT, "Sein")

>> *HAS CONCEPT MOD* CODE: (121047, DCM, "Langue de la valeur") = (fr-CA, RFC5646, "Français, Candie")

3. 3. A coded equivalent meaning for the Concept Value of a CODE Content Item can also be included using the attribute Equivalent Code Sequence (0008,0121) in the Concept Code Sequence (0040, A168) (see Section 8.9 “Equivalent Code Sequence” in PS3.3).

TID 1350 Negation Modifier, Presence of Finding

Concept Name Modifier for negation of the presence of a finding represented by a post-coordinated concept.

Note

1. For example, negation modifier applied to "distention" in the post-coordinated structure:

   CODE: "anatomic location" = "bile duct"

   > *HAS PROPERTY* CODE: "morphology" = "distention"

   >> *HAS CONCEPT MOD* CODE: "presence of property" = "absent"

   means: "bile duct distention not present"

2. The presence-negation modifier modifies the entire post-coordinated concept, not just the Source Content Item of the HAS CONCEPT MOD relationship. The entire branch of the tree from the Content Item is included in the post-coordinated structure that is negated.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1350. Negation Modifier, Presence of Finding

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	CODE	EV (121052, DCM, "Presence of property")	1	M		DCID 240 “Present-Absent”

TID 1400 Linear Measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1400. Linear Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID 7470 “Linear Measurements”	1	M		UNITS = DCID 7460 “Units of Linear Measurement”
2	>	INFERRED FROM	SCOORD	EV (121055, DCM, "Path")	1	UC	XOR Row 5	GRAPHIC TYPE = {POLYLINE, CIRCLE, ELLIPSE}

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 4	
4	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 3	
5	>	INFERRED FROM	SCOORD	EV (121230, DCM, "Path Vertex")	2-n	UC	XOR Row 2	GRAPHIC TYPE = {POINT}
6	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 7	
7	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 6	
8	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		

Content Item Descriptions

Row 2	Path shall represent the measured path or a projection of the measured path in the image. The Graphic Type (0070,0023) of the Path SCOORD shall be: • an open POLYLINE with two different points (to measure length, diameter, distance, proximity, etc), • a CIRCLE or ELLIPSE (to measure circumference) or • an open or closed POLYLINE (closed polygon) to measure path length (open) or perimeter (closed).
Row 5 "Path Vertex"	A measured path that traverses two or more images (e.g., the ends of the path are in different cross-sectional plane images) shall be identified by vertices along the path. The Path Vertices shall be ordered by the order of their SCOORD Content Items to identify the measured path. The Graphic Type (0070,0023) of each SCOORD shall be POINT

TID 1401 Area Measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1401. Area Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID 7471 “Area Measurements”	1	M		Value shall be > 0 UNITS = DCID 7461 “Units of Area Measurement”
2	>	INFERRED FROM	SCOORD	EV (121056, DCM, "Area Outline")	1	MC	IF concept name of Row 1 is (131184002, SCT, "Area of defined region"), and IFF Row 5 or 6 not present.	GRAPHIC TYPE = not {MULTIPOINT}
3	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 4	
4	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 3	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	INFERRED FROM	IMAGE	EV (121214, DCM, "Referenced Segmentation Frame")	1	MC	IF concept name of Row 1 is (131184002, SCT, "Area of defined region"), and IFF Row 2 or 6 not present.	Reference shall be to a Segmentation Image, with a single value specified in Referenced Frame Number
6	>	R- INFERRED FROM	IMAGE		1	MC	IF concept name of Row 1 is (131184002, SCT, "Area of defined region"), and IFF Row 2 or 5 not present.	Reference shall be to a Segmentation Image, with a single value specified in Referenced Frame Number
7	>	HAS PROPERTIES	CODE	EV (370129005, SCT, "Measurement Method")	1	U		DCID 7473 “General Area Calculation Methods”
8	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		

Content Item Descriptions

Row 2 "Area Outline"	A Graphic Type of POINT implies that the object is a single pixel and the object's area is the area of the pixel. Otherwise the type shall be a closed POLYLINE (start and end point the same) or a CIRCLE or an ELLIPSE.
Rows 5, 6	Referenced Frame Number (0008,1160) is an attribute of the IMAGE Content Item. If the Referenced Segmentation SOP Instance has Segmentation Type (0062,0001) value BINARY, it identifies the area of defined (measured) region by pixel values in the referenced frame with value 1. For Segmentation Type value FRACTIONAL, the area is computed by an implementation dependent method. Frame number shall be specified even if the Segmentation SOP Instance has only a single frame.
Row 8	The values of (112039, DCM, "Tracking Identifier") and (112040, DCM, "Tracking Unique Identifier"), if present, shall match the corresponding values of Tracking ID (0062,0020) and Tracking UID (0062,0021), if present, in the corresponding Segment of any Segmentation instance referenced in Row 5.

TID 1402 Volume Measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1402. Volume Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID 7472 “Volume Measurements”	1	M		Value shall be > 0 UNITS = DCID 7462 “Units of Volume Measurement”
2	>	INFERRED FROM	SCOORD	EV (121057, DCM, "Perimeter Outline")	1-n	UC	XOR row 5, 6	GRAPHIC TYPE = not {MULTIPOINT}
3	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 4	
4	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 3	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	INFERRED FROM	IMAGE	EV (121191, DCM, "Referenced Segment")	1	UC	XOR row 2, 6	Reference shall be to a Segmentation Image, with a value specified in Referenced Segment Number
6	>	R- INFERRED FROM	IMAGE		1	UC	XOR row 2, 5	Reference shall be to a Segmentation Image, with a value specified in Referenced Segment Number
7	>	HAS PROPERTIES	CODE	EV (370129005, SCT, "Measurement Method")	1	U		DCID 7474 “General Volume Calculation Methods”
8	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		

Content Item Descriptions

Row 2 "Perimeter Outline"	The two dimensional perimeter of the volume's intersection with or projection into the image. A Graphic Type of POINT implies that the volume's intersection or projection in a plane is a single pixel. A single pixel projection perimeter cannot cause a volume calculation to become 0. Otherwise the type shall be a closed POLYLINE (start and end point the same) or a CIRCLE or an ELLIPSE.
Rows 5, 6	Referenced Segment Number (0062,000B) is an attribute of the IMAGE Content Item. If the Referenced Segmentation SOP Instance has Segmentation Type (0062,0001) value BINARY, it identifies the defined (measured) volume by pixel/voxel values in the frames of the referenced segment with value 1. For Segmentation Type value FRACTIONAL, the volume is computed by an implementation dependent method. Segment number shall be specified even if the Segmentation SOP Instance has only a single segment.
Row 8	The values of (112039, DCM, "Tracking Identifier") and (112040, DCM, "Tracking Unique Identifier"), if present, shall match the corresponding values of Tracking ID (0062,0020) and Tracking UID (0062,0021), if present, in the corresponding Segment of any Segmentation instance referenced in Row 5.

TID 1404 Numeric Measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1404. Numeric Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM		1	M		UNITS = DCID 82 “Units of Measurement”
2	>	INFERRED FROM	SCOORD		1-n	UC	XOR Row 5, 6	
3	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 4	
4	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 3	
5	>	R-INFERRED FROM	IMAGE	BCID 7003 “Diagnostic Imaging Report Purposes of Reference”	1-n	UC	XOR Row 2, 6	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	INFERRED FROM	IMAGE	BCID 7003 “Diagnostic Imaging Report Purposes of Reference”	1-n	UC	XOR Row 2, 5	
7	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		

Content Item Descriptions

Row 2	The SCOORD may indicate the points or area where the measurement was taken (e.g., a POINT showing the pixel location of a density measurement, or an open POLYLINE of three points showing the calculation of an angle).
Rows 3, 5	Valid only in IODs that permit relationships by-reference.

TID 1406 Three Dimensional Linear Measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 1406. Three Dimensional Linear Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID 7470 “Linear Measurements”	1	M		UNITS = DCID 7460 “Units of Linear Measurement”
2	>	INFERRED FROM	SCOORD3D	EV (121055, DCM, "Path")	1	M		GRAPHIC TYPE = {POLYLINE, ELLIPSE, POLYGON}
3	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		

Content Item Descriptions

Rows 5, 6	Path shall represent the measured path in a reference coordinate space. The Graphic Type (0070,0023) of the Path SCOORD3D shall be: • an open POLYLINE with two or more different (x,y,z) triplets (to measure length, diameter, distance, proximity, etc.), • an ELLIPSE (to measure circumference) or • a closed POLYGON to measure perimeter, where the (x,y,z) triplets are coplanar.

TID 1410 Planar ROI Measurements and Qualitative Evaluations

This Template provides a general structure to report measurements for some metric, e.g., density, flow, or concentration, and/or qualitative evaluations, over a planar region of interest in an image. The ROI may be specified by an SCOORD on an image, or by a Segmentation Image.

Table TID 1410. Parameters

$Measurement	Coded term or Context Group for Concept Name of measurement
$Units	Units for the measurement
$ModType	Modifier Name for Concept Name of measurement

$ModValue	Modifier Value for Concept Name of measurement
$Method	Value for Measurement Method
$Derivation	Value for Measurement Derivation
$TargetSite	Value for Anatomic Location of measurement
$TargetSiteMod	Modifier Value for Anatomic Location of measurement
$Equation	Coded term or Context Group for the equation or table from which the measurement was derived or computed
$RefAuthority	Bibliographic reference or authority for statistical properties of a reference population
$RangeAuthority	Bibliographic reference or authority for the normal range of the measurement
$DerivationParameter	Coded term or Context Group for Concept Name of a derivation parameter
$DerivationParameterUnits	Units of derivation parameter
$~~QualitativeEvaluations~~QualType	Evaluations encoded with code or text responses
$QualValue	Value of evaluations encoded with code responses
$QualModType	Modifier Name of evaluations encoded with code or text responses
$QualModValue	Modifier Value of evaluations encoded with code or text responses
$FindingType	Type of the finding

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1410. Planar ROI Measurements and Qualitative Evaluations

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125007, DCM, "Measurement Group")	1	M		
1b	>	HAS OBS CONTEXT	TEXT	EV (C67447, NCIt, "Activity Session")	1	U		
2	>	HAS OBS CONTEXT	TEXT	DT (112039, DCM, "Tracking Identifier")	1	M		
3	>	HAS OBS CONTEXT	UIDREF	EV (112040, DCM, "Tracking Unique Identifier")	1	M		
3b	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		$FindingType
4	>	HAS OBS CONTEXT	INCLUDE	DTID 1502 “Time Point Context”	1	U		
5	>	CONTAINS	SCOORD	EV (111030, DCM, "Image Region")	1	MC	XOR Row 7	GRAPHIC TYPE = not {MULTIPOINT}
6	>>	SELECTED FROM	IMAGE		1	M		
7	>	CONTAINS	IMAGE	EV (121214, DCM, "Referenced Segmentation Frame")	1	MC	XOR Row 5	Reference shall be to a Segmentation Image, with a single value specified in Referenced Frame Number, and with a single value specified in Referenced Segment Number
8	>	CONTAINS	IMAGE	EV (121233, DCM, "Source image for segmentation")	1	MC	IFF Row 7	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9	>	CONTAINS	IMAGE	EV (121200, DCM, "Illustration of ROI")	1	U		
10	>	CONTAINS	COMPOSITE	EV (126100, DCM, "Real World Value Map used for measurement")	1	U		SOP Class UID shall be Real World Value Mapping Storage ("1.2.840.10008.5.1.4.1.1.67")
11	>	CONTAINS	INCLUDE	DTID 1419 “ROI Measurements”	1	U		$Measurement = $Measurement $Units = $Units $ModType = $ModType $ModValue = $ModValue $Method = $Method $Derivation = $Derivation $TargetSite = $TargetSite $TargetSiteMod = $TargetSiteMod $Equation = $Equation $RefAuthority = $RefAuthority $RangeAuthority = $RangeAuthority $DerivationParameter = $DerivationParameter $DerivationParameterUnits = $DerivationParameterUnits
12	>	CONTAINS	CODE	$~~QualitativeEvaluations~~QualType	1-n	U		$QualValue
12b	>>	HAS CONCEPT MOD	CODE	$QualModType	1-n	U		$QualModValue
13	>	CONTAINS	TEXT	$~~QualitativeEvaluations~~QualType	1-n	U		

Content Item Descriptions

Row 1b	Identifies the session during which the measurements were made. The NCI Thesaurus definition is "time, period, or term devoted to some activity".
Rows 2, 3	The Tracking Identifier and Tracking Unique Identifier are defined as a text label or unique identifier (respectively) used for tracking a finding or feature, potentially across multiple reporting objects, over time. As such, they are distinct from the Observation UID (0040,A171), which is unique identifier of the specific Content Item and its subsidiary Content Items that constitute an individual observation, and would be different for different observations on different occasions of the same finding or feature. The values of these content items shall match the corresponding values of Tracking ID (0062,0020) and Tracking UID (0062,0021), if present, in the corresponding Segment of any Segmentation instance referenced in Row 7.
Row 3b	The type of the finding describes whatever entity (finding or feature) is identified by Rows 2 and 3. E.g., a finding might be a lesion, a tumor, or a reference region (as distinct from its anatomical location, which is encoded in a different content item (Finding Site).

Row 5	To describe an infinitely small area, such as the center of a lesion, a Graphic Type of POINT may be used.
Rows 6, 7	Referenced Frame Number (0008,1160) is an attribute of the IMAGE Content Item, and shall be present with a single value. If the Referenced Segmentation SOP Instance has Segmentation Type (0062,0001) value BINARY, it identifies the area of defined (measured) region of interest by pixel values in the referenced frame with value 1. For Segmentation Type value FRACTIONAL, the area is computed by an implementation dependent method. Frame number shall be specified even if the Segmentation SOP Instance has only a single frame.
Row 8	Identifies the source image that was segmented to identify the ROI, and whose properties are described in this container.
Row 9	This referenced image may contain a "screen shot" illustrating a rendered version of the ROI.
Row 10	The reference to an RWV in Row 10 allows measurements to be made in units that differ from the stored pixel values in the images referenced elsewhere in the Template. E.g., for a PET SUVbw measurement, the mapping from activity/concentration units in the referenced image that was used (and which may be reused for measurements in the future) may be encoded in a referenced RWV instance. This reference applies to any measurements in included Templates, unless overridden).
Row 11	Measurements may be omitted, for example if it is desired to describe only the location of a finding or to provide categorical information about it.
Rows 12, 12b, 13	Allows encoding a flat list of name-value pairs that are coded questions with coded or text answers, for example, to record categorical observations related to the subject of the measurement group. A single level of coded modifiers may be present.

TID 1411 Volumetric ROI Measurements and Qualitative Evaluations

This Template provides a general structure to report measurements for some metric, e.g., density, flow, or concentration, and/or qualitative evaluations, over a volumetric region of interest in a set of images or a Frame of Reference. The volumetric ROI may be specified by a set of SCOORDs on an image set representing a volume, by a volumetric Segmentation Image, by a volume defined in a Surface Segmentation, or by a SCOORD3D.

Table TID 1411. Parameters

$Measurement	Coded term or Context Group for Concept Name of measurement
$Units	Units for the measurement
$ModType	Modifier Name for Concept Name of measurement
$ModValue	Modifier Value for Concept Name of measurement
$Method	Value for Measurement Method
$Derivation	Value for Measurement Derivation
$TargetSite	Value for Anatomic Location of measurement
$TargetSiteMod	Modifier Value for Anatomic Location of measurement
$Equation	Coded term or Context Group for the equation or table from which the measurement was derived or computed
$RefAuthority	Bibliographic reference or authority for statistical properties of a reference population
$RangeAuthority	Bibliographic reference or authority for the normal range of the measurement
$DerivationParameter	Coded term or Context Group for Concept Name of a derivation parameter
$DerivationParameterUnits	Units of derivation parameter
$~~QualitativeEvaluations~~QualType	Evaluations encoded with code or text responses
$QualValue	Value of evaluations encoded with code responses
$QualModType	Modifier Name of evaluations encoded with code or text responses
$QualModValue	Modifier Value of evaluations encoded with code or text responses

$FindingType	Type of the finding

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1411. Volumetric ROI Measurements and Qualitative Evaluations

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125007, DCM, "Measurement Group")	1	M		
1b	>	HAS OBS CONTEXT	TEXT	EV (C67447, NCIt, "Activity Session")	1	U		
2	>	HAS OBS CONTEXT	TEXT	DT (112039, DCM, "Tracking Identifier")	1	M		
3	>	HAS OBS CONTEXT	UIDREF	EV (112040, DCM, "Tracking Unique Identifier")	1	M		
3b	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		$FindingType
4	>	HAS OBS CONTEXT	INCLUDE	DTID 1502 “Time Point Context”	1	U		
5	>	CONTAINS	SCOORD	EV (111030, DCM, "Image Region")	1-n	MC	XOR Rows 7, 10	GRAPHIC TYPE = not {MULTIPOINT}
6	>>	SELECTED FROM	IMAGE		1	M		
7	>	CONTAINS	IMAGE	EV (121191, DCM, "Referenced Segment")	1	MC	XOR Rows 5, 10	Reference shall be to a Segmentation Image or Surface Segmentation object, with a single value specified in Referenced Segment Number
10	>	CONTAINS	SCOORD3D	EV (121231, DCM, "Volume Surface")	1	MC	XOR Rows 5, 7	GRAPHIC TYPE = {ELLIPSOID}
11	>	CONTAINS	IMAGE	EV (121233, DCM, "Source image for segmentation")	1-n	MC	XOR Row 12 and IFF (Row 7 or Row 10)	
12	>	CONTAINS	UIDREF	EV (121232, DCM, "Source series for segmentation")	1	MC	XOR Row 11 and IFF ((Row 7 or Row 10)	
13	>	CONTAINS	IMAGE	EV (121200, DCM, "Illustration of ROI")	1-n	U		
14	>	CONTAINS	COMPOSITE	EV (126100, DCM, "Real World Value Map used for measurement")	1	U		SOP Class UID shall be Real World Value Mapping Storage ("1.2.840.10008.5.1.4.1.1.67")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>	CONTAINS	INCLUDE	DTID 1419 “ROI Measurements”	1	U		$Measurement = $Measurement $Units = $Units $ModType = $ModType $ModValue = $ModValue $Method = $Method $Derivation = $Derivation $TargetSite = $TargetSite $TargetSiteMod = $TargetSiteMod $Equation = $Equation $RefAuthority = $RefAuthority $RangeAuthority = $RangeAuthority $DerivationParameter = $DerivationParameter $DerivationParameterUnits = $DerivationParameterUnits
16	>	CONTAINS	CODE	$~~QualitativeEvaluations~~QualType	1-n	U		$QualValue
16b	>>	HAS CONCEPT MOD	CODE	$QualModType	1-n	U		$QualModValue
17	>	CONTAINS	TEXT	$~~QualitativeEvaluations~~QualType	1-n	U		

Content Item Descriptions

Row 1b	Identifies the session during which the measurements were made. The NCI Thesaurus definition is "time, period, or term devoted to some activity".
Rows 2, 3	The Tracking Identifier and Tracking Unique Identifier are defined as a text label or unique identifier (respectively) used for tracking a finding or feature, potentially across multiple reporting objects, over time. As such, they are distinct from the Observation UID (0040,A171), which is unique identifier of the specific Content Item and its subsidiary Content Items that constitute an individual observation, and would be different for different observations on different occasions of the same finding or feature. The values of these content items shall match the corresponding values of Tracking ID (0062,0020) and Tracking UID (0062,0021), if present, in the corresponding Segment of any Segmentation instance referenced in Row 7.
Row 3b	The type of the finding describes whatever entity (finding or feature) is identified by Rows 2 and 3. E.g., a finding might be a lesion, a tumor, or a reference region (as distinct from its anatomical location, which is encoded in a different content item (Finding Site).
Rows 5, 10	To describe an infinitely small volume, such as the center of a lesion, a Graphic Type of POINT may be used.

Rows 6, 7	Referenced Segment Number (0062,000B) is an attribute of the IMAGE Content Item, and shall be present with a single value. If the Referenced SOP Instance is a Segmentation Image, it shall have a defined Frame of Reference. If it has Segmentation Type (0062,0001) value BINARY, it identifies the volume of defined (measured) region of interest by voxel values in the referenced segment with value 1. If it has Segmentation Type value FRACTIONAL, the volume is defined by an implementation dependent method. If the referenced SOP Instance is a Surface Segmentation, the referenced segment shall constitute a finite volume. It identifies the volume of the defined (measured) region of interest by the interior of the finite volume. Segment number shall be specified even if the Segmentation SOP Instance has only a single segment.
Row 11	Identifies the source images that were segmented to identify the ROI, when, for example a subset of images in a series was used.
Row 12	Identifies the source series of images that were segmented to identify the ROI, when, for example an entire set of images in a series was used.
Row 13	These referenced images may contain "screen shot" illustrating rendered versions of the ROI.
Row 14	The reference to an RWV in Row 14 allows measurements to be made in units that differ from the stored pixel values in the images referenced elsewhere in the Template. E.g., for a PET SUVbw measurement, the mapping from activity/concentration units in the referenced image that was used (and which may be reused for measurements in the future) may be encoded in a referenced RWV instance. This reference applies to any measurements in included Templates, unless overridden).
Row 15	Measurements may be omitted, for example if it is desired to describe only the location of a finding or to provide categorical information about it.
Rows 16, 16b, 17	Allows encoding a flat list of name-value pairs that are coded questions with coded or text answers, for example, to record categorical observations related to the subject of the measurement group. A single level of coded modifiers may be present.

TID 1419 ROI Measurements

This Template encodes measurements for some metric, e.g., density, flow, or concentration.

Table TID 1419. Parameters

$Measurement	Coded term or Context Group for Concept Name of measurement
$Units	Units for the measurement
$ModType	Modifier Name for Concept Name of measurement
$ModValue	Modifier Value for Concept Name of measurement
$Method	Value for Measurement Method
$Derivation	Value for Measurement Derivation
$TargetSite	Value(s) for Anatomic Location of measurement
$TargetSiteMod	Modifier Value for Anatomic Location of measurement
$Equation	Coded term or Context Group for the equation or table from which the measurement was derived or computed
$RefAuthority	Bibliographic reference or authority for statistical properties of a reference population
$RangeAuthority	Bibliographic reference or authority for the normal range of the measurement
$DerivationParameter	Coded term or Context Group for Concept Name of a derivation parameter
$DerivationParameterUnits	Units of derivation parameter

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1419. ROI Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	CODE	EV (370129005, SCT, "Measurement Method")	1	U		$Method
2		HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1-n	U		$TargetSite
3	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 244 “Laterality”
4	>	HAS CONCEPT MOD	CODE	DT (106233006, SCT, "Topographical modifier")	1	U		$TargetSiteMod
4b		HAS CONCEPT MOD	INCLUDE	DTID 4019 “Algorithm Identification”	1	U		
5			NUM	$Measurement	1-n	M		UNITS = $Units
6	>	HAS CONCEPT MOD	CODE	$ModType	1-n	U		$ModValue
7	>	HAS CONCEPT MOD	CODE	EV (370129005, SCT, "Measurement Method")	1	U		$Method
8	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	U		$Derivation
9	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1-n	U		$TargetSite
10	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 244 “Laterality”
11	>>	HAS CONCEPT MOD	CODE	DT (106233006, SCT, "Topographical modifier")	1	U		$TargetSiteMod
12	>	HAS PROPERTIES	INCLUDE	DTID 310 “Measurement Properties”	1	U		$RefAuthority = $RefAuthority $RangeAuthority = $RangeAuthority
13	>	INFERRED FROM	NUM	$DerivationParameter	1-n	UC	XOR Row 14	$DerivationParameterUnits
14	>	R-INFERRED FROM	NUM	$DerivationParameter	1-n	UC	XOR Row 13	$DerivationParameterUnits
14b	>	INFERRED FROM	CODE	$DerivationParameter	1-n	U		
14c	>	INFERRED FROM	TEXT	$DerivationParameter	1-n	U		
15	>	INFERRED FROM	INCLUDE	DTID 315 “Equation or Table”	1	UC	XOR Row 16	$Equation = $Equation
16	>	INFERRED FROM	TEXT	DCID 228 “Equation or Table”	1	UC	XOR Row 15	
17	>		INCLUDE	DTID 1000 “Quotation”	1	U		
18	>	HAS CONCEPT MOD	TEXT	EV (121050, DCM, "Equivalent Meaning of Concept Name")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
19	>	CONTAINS	COMPOSITE	EV (126100, DCM, "Real World Value Map used for measurement")	1	U		SOP Class UID shall be Real World Value Mapping Storage ("1.2.840.10008.5.1.4.1.1.67")
20	>	HAS CONCEPT MOD	INCLUDE	DTID 4019 “Algorithm Identification”	1	U		

Content Item Descriptions

Rows 2, 9	Finding site may be multiple when a region of interest spans multiple anatomical locations and there is not a single pre-coordinated code describing the combination of locations. E.g., when a maligant, inflammatory or traumatic process spans actual or defined anatomical boundaries. There is no requirement that the multiple locations be contiguous.
Row 4b	Describes the algorithm that applies to all measurements in Row 5, unless overridden within the individual measurement at Row 20.
Row 5	Specifies the metric for which measurements are reported, e.g., density, flow, or concentration. This metric is computed at each sample point (e.g., pixel or voxel) in an ROI (defined in the invoking Template), but those individual point measurements are not encoded. Instead, just the summary measurements for the ROI are encoded, and the means of computing a single value is defined in Row 8 Derivation (e.g., mean).
Rows 1, 2, 3, 4, 6, 7, 8, 9, 10, 11	The HAS CONCEPT MOD items allow the explicit definition of terms for post-coordination of the measurement concept name. Additional post-coordinated modifier terms may be included in a SOP Instance based on this Template, in accordance with section 6.2.4, or as defined by Templates that invoke this Template and explicitly define additional post-coordinated modifiers.
Rows 13, 14	The INFERRED FROM items allow the specification (by-value or by-reference) of numeric values that were used in the derivation of the numeric measurement of Row 1. The nature of the inference is not explicitly conveyed; it may be implicit in the Concept Names of the measurements. Inference by-reference is valid only in SOP Classes that permit the INFERRED FROM relationship by-reference.
Row 18	Equivalent Meaning of Concept Name allows the creating application to specify the preferred composed concept name representing the measurement and the associated post-coordinated concept modifiers. The concept modifiers may include those specified in this Template, in a Template that invokes this Template, or at the option of the creating application in accordance with section 6.2.4. This composed concept name may be rendered by a display application.
Row 19	The reference to an RWV in Row 19 allows measurements to be made in units that differ from the stored pixel values in the images referenced in the parent Template. E.g., for a PET SUVbw measurement, the mapping from activity/concentration units in the referenced image that was used (and which may be reused for measurements in the future) may be encoded in a referenced RWV instance. This reference overrides any reference in an including Template (such as for a Measurement Group).

TID 1420 Measurements Derived From Multiple ROI Measurements

This Template encodes measurements for some metric, e.g., density, flow, or concentration, which are acquired over some defined sampling (e.g., over successive time slots in a dynamic contrast enhanced acquisition).

Table TID 1420. Parameters

$Measurement	Coded term or Context Group for Concept Name of measurement
$MeasurementUnits	Units for the measurement
$ModType	Modifier Name for Concept Name of measurement
$ModValue	Modifier Value for Concept Name of measurement
$Method	Value for Measurement Method
$Derivation	Value for Measurement Derivation
$TargetSite	Value for Anatomic Location of measurement

$TargetSiteMod	Modifier Value for Anatomic Location of measurement
$Equation	Coded term or Context Group for the equation or table from which the measurement was derived or computed
$RefAuthority	Bibliographic reference or authority for statistical properties of a reference population
$RangeAuthority	Bibliographic reference or authority for the normal range of the measurement
$StatisticalRefAuthority	Bibliographic reference or authority for statistical properties of a reference population
$StatisticalRangeAuthority	Bibliographic reference or authority for the normal range of the measurement
$DerivationParameter	Coded term or Context Group for Concept Name of a derivation parameter
$DerivationParameterUnits	Units of derivation parameter

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1420. Measurements Derived From Multiple ROI Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DCID 7465 “Measurements Derived From Multiple ROI Measurements”	1-n	M		
1b	>	HAS CONCEPT MOD	INCLUDE	DTID 4019 “Algorithm Identification”	1	U		
2	>	R-INFERRED FROM	INCLUDE	DTID 1410 “Planar ROI Measurements and Qualitative Evaluations”	1-n	MC	XOR Row 3	$Measurement = $Measurement $Units = $MeasurementUnits $ModType = $ModType $ModValue = $ModValue $Method = $Method $Derivation = $Derivation $TargetSite = $TargetSite $TargetSiteMod = $TargetSiteMod $Equation = $Equation $RefAuthority = $RefAuthority $RangeAuthority = $RangeAuthority $DerivationParameter = $DerivationParameter $DerivationParameterUnits = $DerivationParameterUnits

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	R-INFERRED FROM	INCLUDE	DTID 1411 “Volumetric ROI Measurements and Qualitative Evaluations”	1-n	MC	XOR Row 2	$Measurement = $Measurement $Units = $MeasurementUnits $ModType = $ModType $ModValue = $ModValue $Method = $Method $Derivation = $Derivation $TargetSite = $TargetSite $TargetSiteMod = $TargetSiteMod $Equation = $Equation $RefAuthority = $RefAuthority $RangeAuthority = $RangeAuthority $DerivationParameter = $DerivationParameter $DerivationParameterUnits = $DerivationParameterUnits
4	>	HAS PROPERTIES	INCLUDE	DTID 310 “Measurement Properties”	1	U		$RefAuthority = $RefAuthority $RangeAuthority = $RangeAuthority

Content Item Descriptions

Row 1	Specifies the type of derived measurement reported, e.g., the mean of the individual ROI mean density values. Note that the units may be different from the units in the ROI measurements
Row 1b	Describes the algorithm used to produced the derived measurement, as opposed to the referenced measurements from which this measurement was derived.
Rows 2, 3	The measurement values of each ROI that contributes to the derived measurement, e.g., the mean density within an ROI. These are specified by reference, so as to not have to repeat the ROI information when it contributes to multiple derived measurements (e.g., if both mean and SD of ROI mean density values were specified).

TID 1500 Measurement Report

This Root Template encodes a list of Measurement Groups each containing lists of measurements, together with any derived measurements.

Each Measurement Group is identified by Tracking ID and UIDs.

An image library is available to describe characteristics of the images referenced by the measurements, if any.

Type: **Extensible**
Order: **Non-Significant**
Root: **Yes**

Table TID 1500. Measurement Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DCID 7021 “Measurement Report Document Titles”	1	M		Root node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		
4	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1-n	M		BCID 100 “Quantitative Diagnostic Imaging Procedures”
5	>	CONTAINS	INCLUDE	DTID 1600 “Image Library”	1	M		
6	>	CONTAINS	CONTAINER	EV (126010, DCM, "Imaging Measurements")	1	C	IF row 10 and 12 are absent	
6b	>>	HAS CONCEPT MOD	INCLUDE	DTID 4019 “Algorithm Identification”	1	U		
7	>>	CONTAINS	INCLUDE	DTID 1410 “Planar ROI Measurements and Qualitative Evaluations”	1-n	U		$Measurement = BCID 218 “Quantitative Image Features” $Units = BCID 7181 “Abstract Multi-dimensional Image Model Component Units” $Derivation = BCID 7464 “General Region of Interest Measurement Modifiers” $Method = BCID 6147 “Response Criteria” $QualModType = BCID 210 “Qualitative Evaluation Modifier Types” $QualModValue = BCID 211 “Qualitative Evaluation Modifier Values”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
8	>>	CONTAINS	INCLUDE	DTID 1411 “Volumetric ROI Measurements and Qualitative Evaluations”	1-n	U		$Measurement = BCID 218 “Quantitative Image Features” $Units = BCID 7181 “Abstract Multi-dimensional Image Model Component Units” $Derivation = BCID 7464 “General Region of Interest Measurement Modifiers” $Method = BCID 6147 “Response Criteria” $QualModType = BCID 210 “Qualitative Evaluation Modifier Types” $QualModValue = BCID 211 “Qualitative Evaluation Modifier Values”
9	>>	CONTAINS	INCLUDE	DTID 1501 “Measurement and Qualitative Evaluation Group”	1-n	U		$Measurement = BCID 218 “Quantitative Image Features” $Units = BCID 7181 “Abstract Multi-dimensional Image Model Component Units” $Derivation = BCID 7464 “General Region of Interest Measurement Modifiers” $Method = BCID 6147 “Response Criteria” $QualModType = BCID 210 “Qualitative Evaluation Modifier Types” $QualModValue = BCID 211 “Qualitative Evaluation Modifier Values”
10	>	CONTAINS	CONTAINER	EV (126011, DCM, "Derived Imaging Measurements")	1	C	IF row 6 and 12 are absent	
10b	>>	HAS CONCEPT MOD	INCLUDE	DTID 4019 “Algorithm Identification”	1	U		
11	>>	CONTAINS	INCLUDE	DTID 1420 “Measurements Derived From Multiple ROI Measurements”	1-n	U		
12	>	CONTAINS	CONTAINER	EV (C0034375, UMLS, "Qualitative Evaluations")	1	C	IF row 6 and 10 are absent	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
12b	>>	HAS CONCEPT MOD	INCLUDE	DTID 4019 “Algorithm Identification”	1	U		
13	>>	CONTAINS	CODE		1-n	U		
13b	>>>	HAS CONCEPT MOD	CODE	BCID 210 “Qualitative Evaluation Modifier Types”	1-n	U		BCID 211 “Qualitative Evaluation Modifier Values”
14	>>	CONTAINS	TEXT		1-n	U		

Content Item Descriptions

Rows 6, 10, 12	The conditions require that at least one of the "heading" containers be present, though any of them may be present but empty.
Row 6b, 10b, 12b	Describes the algorithm that applies to all observations within the container, unless overridden at the group or individual observation level.
Rows 7, 8, 9	The baseline context group allows for generic intensity, size, texture and other feature measurements, regardless of the geometry of the ROI (e.g., linear distance can be measured on volumes, or volume can be estimated from a linear distance), and being baseline, do not constrain the invoker from using other appropriate concepts specific to the application. Different measurements of the same real world lesion made using different types of measurements (different templates) can be correlated by a shared value of Tracking Unique Identifer. See also Section RRR.5 “Measurement Report SR Document Volumetric ROI with RECIST Linear Distance Specified by Coordinates on CT Example” in PS3.17.
Row 7	Planar ROI measurements are those defined on a single plane by a segmentation reference or planar spatial coordinates.
Row 8	Volumetric ROI measurements are those defined on a volume by raster or surface segmentation references or a set of 2D or 3D spatial coordinates.
Row 9	Generic measurements include those specified on an image as a whole or by unconstrained graphic coordinates. These may be used for such things as whole image scores or quality measures, and for linear distance meaurements, such as for RECIST or WHO tumor treatment response criteria evaluation. A Measurement Group is used to contain one or more individual measurements that are invocations of TID 300, consistent with TIDs 1410 and 1411, which both already have Measurement Group containers as their roots.
Rows 12, 13, 13b, 14	These Content Items allow encoding a flat list of name-value pairs that are coded questions with coded or text answers, for example, to record categorical observations related to the entire subject of the report rather than specific measurement groups. A single level of coded modifiers may be present, such as to post-coordinate the laterality if the parent concept involves an anatomic part.

TID 1501 Measurement and Qualitative Evaluation Group

This Template groups measurements and/or qualitative evaluations into a Measurement Group.

Each Measurement Group is identified by Tracking ID and UIDs, and may be described as having being made at a particular time point.

Measurement groups may contain various common measurement modifiers that are shared by all measurements in the group, such as method and finding site.

Table TID 1501. Parameters

Parameter Name	Parameter Usage
$Measurement	Coded term or Context Group for Concept Name of measurement
$Units	Units of Measurement
$ModType	Modifier Name for Concept Name of measurement
$ModValue	Modifier Value for Concept Name of measurement
$Method	Value for Measurement Method
$Derivation	Value for Measurement Derivation
$TargetSite	Value(s) for Anatomic Location of measurement
$TargetSiteMod	Modifier Value for Anatomic Location of measurement
$Equation	Coded term or Context Group for the equation or table from which the measurement was derived or computed
$ImagePurpose	Purpose of Reference for an image used as a source of the measurement
$WavePurpose	Purpose of Reference for a waveform used as a source of the measurement
$RefAuthority	Bibliographic reference or authority for statistical properties of a reference population
$RangeAuthority	Bibliographic reference or authority for the normal range of the measurement
$DerivationParameter	Coded term or Context Group for Concept Name of a derivation parameter
$DerivationParameterUnits	Units of derivation parameter
$~~QualitativeEvaluations~~QualType	Evaluations encoded with code or text responses
$QualValue	Value of evaluations encoded with code responses
$QualModType	Modifier Name of evaluations encoded with code or text responses
$QualModValue	Modifier Value of evaluations encoded with code or text responses
$FindingType	Type of the finding

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1501. Measurement and Qualitative Evaluation Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (125007, DCM, "Measurement Group")	1	M		
1b	>	HAS OBS CONTEXT	TEXT	EV (C67447, NCIt, "Activity Session")	1	U		
2	>	HAS OBS CONTEXT	TEXT	DT (112039, DCM, "Tracking Identifier")	1	M		
3	>	HAS OBS CONTEXT	UIDREF	EV (112040, DCM, "Tracking Unique Identifier")	1	M		
3b	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		$FindingType
4	>	HAS OBS CONTEXT	INCLUDE	DTID 1502 “Time Point Context”	1	U		
5	>	HAS CONCEPT MOD	CODE	EV (370129005, SCT, "Measurement Method")	1	U		$Method

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1-n	U		$TargetSite
7	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 244 “Laterality”
8	>>	HAS CONCEPT MOD	CODE	DT (106233006, SCT, "Topographical modifier")	1	U		$TargetSiteMod
9	>	CONTAINS	COMPOSITE	EV (126100, DCM, "Real World Value Map used for measurement")	1	U		SOP Class UID shall be Real World Value Mapping Storage ("1.2.840.10008.5.1.4.1.1.67")
9b		HAS CONCEPT MOD	INCLUDE	DTID 4019 “Algorithm Identification”	1	U		
10	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = $Measurement $Units = $Units $ModType = $ModType $ModValue = $ModValue $Method = $Method $Derivation = $Derivation $TargetSite = $TargetSite $TargetSiteMod = $TargetSiteMod $Equation = $Equation $ImagePurpose = $ImagePurpose $RefAuthority = $RefAuthority $RangeAuthority = $RangeAuthority $DerivationParameter = $DerivationParameter $DerivationParameterUnits = $DerivationParameterUnits
11	>	CONTAINS	CODE	$~~QualitativeEvaluations~~QualType	1-n	U		
11b	>>	HAS CONCEPT MOD	CODE	$QualModType	1-n	U		$QualModValue
12	>	CONTAINS	TEXT	$~~QualitativeEvaluations~~QualType	1-n	U		

Content Item Descriptions

Row 1b	Identifies the session during which the measurements were made. The NCI Thesaurus definition is "time, period, or term devoted to some activity".
Rows 2, 3, 10	The included TID 300 already contains an optional inclusion of TID 1408 Tracking Identifier, which in turns allows for either or both Tracking Identifier and Tracking Unique Identifier Content Items; the intent of Rows 2 and 3 is not to send these Content Items twice, but rather to specialize their use such that their presence is mandatory, consistent with TIDs 1410 and 1411.
Row 3b	The type of the finding describes whatever entity (finding or feature) is identified by Rows 2 and 3. E.g., a finding might be a lesion, a tumor, or a reference region (as distinct from its anatomical location, which is encoded in a different content item (Finding Site).
Row 6	Finding site may be multiple when a region of interest spans multiple anatomical locations and there is not a single pre-coordinated code describing the combination of locations. E.g., when a maligant, inflammatory or traumatic process spans actual or defined anatomical boundaries. There is no requirement that the multiple locations be contiguous.
Row 9	The reference to an RWV in Row 9 allows measurements to be made in units that differ from the stored pixel values in the images referenced elsewhere in the Template. E.g., for a PET SUVbw measurement, the mapping from activity/concentration units in the referenced image that was used (and which may be reused for measurements in the future) may be encoded in a referenced RWV instance. This reference applies to any measurements in included Templates, unless overridden).
Row 9b	Describes the algorithm that applies to all measurements in TID 300 Row 1, unless overridden within the individual measurement at TID 300 Row 19.
Rows 11, 11b, 12	Allows encoding a flat list of name-value pairs that are coded questions with coded or text answers, for example, to record categorical observations related to the subject of the measurement group. A single level of coded modifiers may be present.

TID 1502 Time Point Context

This Template describes information about the time point, for example, at which a measurement was obtained.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1502. Time Point Context

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS OBS CONTEXT	TEXT	EV (126070, DCM, "Subject Time Point Identifier")	1	U		
2		HAS OBS CONTEXT	TEXT	EV (126071, DCM, "Protocol Time Point Identifier")	1	U		
3		HAS OBS CONTEXT	TEXT	EV (C2348792, UMLS, "Time Point")	1	M		
4		HAS OBS CONTEXT	CODE	EV (126072, DCM, "Time Point Type")	1-n	U		BCID 6146 “Time Point Types”
5		HAS OBS CONTEXT	NUM	EV (126073, DCM, "Time Point Order")	1	U		UNITS = EV (1, UCUM, "no units")
6		HAS OBS CONTEXT	NUM	EV (128740, DCM, "Longitudinal Temporal Offset from Event")	1	U		UNITS = DT (d, UCUM, "days")
7	>	HAS CONCEPT MOD	CODE	EV (128741, DCM, "Longitudinal Temporal Event Type")	1	M		DCID 280 “Longitudinal Temporal Event Types”

Content Item Descriptions

Row 1	Usually the same value as the Clinical Trial Time Point ID (0012,0050) attribute in the Clinical Trial Study Module, though not confined to clinical trial use. May or may not be human readable, and not required to be a DICOM UID.
Row 2	All of the subjects within a treatment protocol that are examined at a particular scheduled time point (e.g., "baseline", "pre-treatment", "first post-treatment") will have the same Protocol Time Point Identifier, but different Subject Time Point Identifiers. However, in different protocols, the Protocol Time Point Identifiers for the same conceptual "time point" will be different. E.g., the "baseline" time point will have different Protocol Time Point Identifiers in different protocols. May or may not be human readable, and not required to be a DICOM UID.
Row 3	Typically a short pre-defined label that has the same scope as Protocol Time Point Identifier (i.e., same conceptual time point within a treatment protocol) but is human-readable and understandable, e.g., "BASELINE" or "TP0", "TP1", etc. Usually the same value as Clinical Trial Time Point Description (0012,0051) attribute in the Clinical Trial Study Module, though not confined to clinical trial use. The Concept Name is selected as (C2348792, UMLS, "Time Point") (which is (C68568, NCIt, "Time Point"), defined as "a specific point in the time continuum, including those established relative to an event") in order to be compatible with external terminologies.
Row 4	More than one type is permitted, e.g., a time point may be "posttreatment" as well as "unscheduled" or "nadir", etc.
Row 5	The order is expected to be monotonically increasing within a particular scope of usage, but is not required to start at 0 or 1, nor required to increase in increments of 1 or even the same increment (e.g., to allow for retrospective insertion of unscheduled time points). In clinical usage, the Time Point Order would be expected to be temporally increasing, but in a clinical trial may be a randomized reading order rather than a temporal order.
Rows 6, 7	Longitudinal temporal information may be inherited from Longitudinal Temporal Offset from Event (0012,0052) and Longitudinal Temporal Event Type (0012,0053) in the PS3.3 Section C.7.2.3 Clinical Trial Study Module, or may be specified or overridden within this template (e.g., if different measurements in the same SR Instance were measured on different time points).

TID 1600 Image Library

The Image Library contains references to images and selected attributes describing them that facilitate analysis without having to retrieve the entire set of referenced images.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1600. Image Library

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111028, DCM, "Image Library")	1	M		
2	>	CONTAINS	CONTAINER	EV (126200, DCM, "Image Library Group")	1-n	U		
3	>>	HAS ACQ CONTEXT	INCLUDE	DTID 1602 “Image Library Entry Descriptors”	1	U		
4	>>	CONTAINS	INCLUDE	DTID 1601 “Image Library Entry”	1-n	U		

TID 1601 Image Library Entry

Each instance of the Image Library Entry Template contains the Image SOP Class and Instance UIDs, and selected attributes for an image that facilitate analysis without having to retrieve the entire set of referenced images.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1601. Image Library Entry

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			IMAGE		1	M		
2	>	HAS ACQ CONTEXT	INCLUDE	DTID 1602 “Image Library Entry Descriptors”	1	U		

TID 1602 Image Library Entry Descriptors

This Template contains selected attributes for an image or group of images. The descriptive information may be copied from images or derived.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1602. Image Library Entry Descriptors

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS ACQ CONTEXT	CODE	EV (121139, DCM, "Modality")	1	U		DCID 29 “Acquisition Modality”
2		HAS ACQ CONTEXT	CODE	EV (123014, DCM, "Target Region")	1	U		DCID 4031 “Common Anatomic Regions”
3		HAS ACQ CONTEXT	CODE	EV (111027, DCM, "Image Laterality")	1	U		DCID 244 “Laterality”
4		HAS ACQ CONTEXT	DATE	EV (111060, DCM, "Study Date")	1	U		
5		HAS ACQ CONTEXT	TIME	EV (111061, DCM, "Study Time")	1	U		
6		HAS ACQ CONTEXT	DATE	EV (111018, DCM, "Content Date")	1	U		
7		HAS ACQ CONTEXT	TIME	EV (111019, DCM, "Content Time")	1	U		
8		HAS ACQ CONTEXT	DATE	EV (126201, DCM, "Acquisition Date")	1	U		
9		HAS ACQ CONTEXT	TIME	EV (126202, DCM, "Acquisition Time")	1	U		
10		HAS ACQ CONTEXT	UIDREF	EV (112227, DCM, "Frame of Reference UID")	1	U		
11		HAS ACQ CONTEXT	NUM	EV (110910, DCM, "Pixel Data Rows")	1	U		UNITS = EV ({pixels}, UCUM, "pixels")
12		HAS ACQ CONTEXT	NUM	EV (110911, DCM, "Pixel Data Columns")	1	U		UNITS = EV ({pixels}, UCUM, "pixels")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
13		HAS ACQ CONTEXT	INCLUDE	DTID 1603 “Image Library Entry Descriptors for Projection Radiography”	1	~~U~~C	IFF Row 1 is present with a value of "CR", "DX", "IO", "MG, "PX", "RF", "RG" or "XA"	
14		HAS ACQ CONTEXT	INCLUDE	DTID 1604 “Image Library Entry Descriptors for Cross-Sectional Modalities”	1	~~U~~C	IFF Row 1 is present with a value of "CT", "MR" or "PT"	
15		HAS ACQ CONTEXT	INCLUDE	DTID 1605 “Image Library Entry Descriptors for CT”	1	~~U~~C	IFF Row 1 is present with a value of "CT"	
16		HAS ACQ CONTEXT	INCLUDE	DTID 1606 “Image Library Entry Descriptors for MR”	1	~~U~~C	IFF Row 1 is present with a value of "MR"	
17		HAS ACQ CONTEXT	INCLUDE	DTID 1607 “Image Library Entry Descriptors for PET”	1	~~U~~C	IFF Row 1 is present with a value of "PT"	

Content Item Descriptions

Target Region	The value of Anatomic Region Sequence (0008,2218) in the Image IOD, or a code derived from Body Part Examined (0018,0015) using the mapping described in Annex L.

TID 1603 Image Library Entry Descriptors for Projection Radiography

This Template contains selected attributes for a projection radiography image or group of such images. The descriptive information may be copied from images or derived.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1603. Image Library Entry Descriptors for Projection Radiography

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS ACQ CONTEXT	CODE	EV (111031, DCM, "Image View")	1	U		
2	>	HAS CONCEPT MOD	CODE	EV (111032, DCM, "Image View Modifier")	1-n	U		
3		HAS ACQ CONTEXT	TEXT	EV (111044, DCM, "Patient Orientation Row")	1	U		
4		HAS ACQ CONTEXT	TEXT	EV (111043, DCM, "Patient Orientation Column")	1	U		
5		HAS ACQ CONTEXT	NUM	EV (111026, DCM, "Horizontal Pixel Spacing")	1	U		UNITS = EV (mm, UCUM, "millimeter")
6		HAS ACQ CONTEXT	NUM	EV (111066, DCM, "Vertical Pixel Spacing")	1	U		UNITS = EV (mm, UCUM, "millimeter")
7		HAS ACQ CONTEXT	NUM	EV (112011, DCM, "Positioner Primary Angle")	1	U		UNITS = EV (deg, UCUM, "deg")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
8		HAS ACQ CONTEXT	NUM	EV (112012, DCM, "Positioner Secondary Angle")	1	U		UNITS = EV (deg, UCUM, "deg")

Content Item Descriptions

Patient Orientation Row	First (row) and second (column) components of Patient Orientation (0020,0020) in the Image IOD. See Section C.7.6.1.1.1 “Patient Orientation” in PS3.3.
Patient Orientation Column	
Horizontal Imager Pixel Spacing	The second component of Imager Pixel Spacing (0018,1164) in the Image IOD. See Section C.8.11.4 “DX Detector Module” in PS3.3.
Vertical Imager Pixel Spacing	The first component of Imager Pixel Spacing (0018,1164) in the Image IOD. See Section C.8.11.4 “DX Detector Module” in PS3.3.

TID 1604 Image Library Entry Descriptors for Cross-Sectional Modalities

This Template contains selected attributes for a cross-sectional image or group of such images. The descriptive information may be copied from images or derived.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1604. Image Library Entry Descriptors for Cross-Sectional Modalities

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS ACQ CONTEXT	NUM	EV (111026, DCM, "Horizontal Pixel Spacing")	1	U		UNITS = EV (mm, UCUM, "millimeter")
2		HAS ACQ CONTEXT	NUM	EV (111066, DCM, "Vertical Pixel Spacing")	1	U		UNITS = EV (mm, UCUM, "millimeter")
3		HAS ACQ CONTEXT	NUM	EV (112226, DCM, "Spacing between slices")	1	U		UNITS = EV (mm, UCUM, "millimeter")
4		HAS ACQ CONTEXT	NUM	EV (112225, DCM, "Slice Thickness")	1	U		UNITS = EV (mm, UCUM, "millimeter")
5		HAS ACQ CONTEXT	NUM	EV (110901, DCM, "Image Position (Patient) X")	1	U		UNITS = EV (mm, UCUM, "millimeter")
6		HAS ACQ CONTEXT	NUM	EV (110902, DCM, "Image Position (Patient) Y")	1	U		UNITS = EV (mm, UCUM, "millimeter")
7		HAS ACQ CONTEXT	NUM	EV (110903, DCM, "Image Position (Patient) Z")	1	U		UNITS = EV (mm, UCUM, "millimeter")
8		HAS ACQ CONTEXT	NUM	EV (110904, DCM, "Image Orientation (Patient) Row X")	1	U		UNITS = EV ({-1:1}, UCUM, "{-1:1}")
9		HAS ACQ CONTEXT	NUM	EV (110905, DCM, "Image Orientation (Patient) Row Y")	1	U		UNITS = EV ({-1:1}, UCUM, "{-1:1}")
10		HAS ACQ CONTEXT	NUM	EV (110906, DCM, "Image Orientation (Patient) Row Z")	1	U		UNITS = EV ({-1:1}, UCUM, "{-1:1}")
11		HAS ACQ CONTEXT	NUM	EV (110907, DCM, "Image Orientation (Patient) Column X")	1	U		UNITS = EV ({-1:1}, UCUM, "{-1:1}")
12		HAS ACQ CONTEXT	NUM	EV (110908, DCM, "Image Orientation (Patient) Column Y")	1	U		UNITS = EV ({-1:1}, UCUM, "{-1:1}")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
13		HAS ACQ CONTEXT	NUM	EV (110909, DCM, "Image Orientation (Patient) Column Z")	1	U		UNITS = EV ({-1:1}, UCUM, "{-1:1}")

Content Item Descriptions

Horizontal Imager Pixel Spacing	The second component of Pixel Spacing (0028,0030) in the Image IOD. See Section 10.7.1.1 “Pixel Spacing” in PS3.3 and Section C.7.6.2 “Image Plane Module” in PS3.3.
Vertical Imager Pixel Spacing	The first component of Pixel Spacing (0028,0030) in the Image IOD. See Section 10.7.1.1 “Pixel Spacing” in PS3.3 and Section C.7.6.2 “Image Plane Module” in PS3.3.

TID 1605 Image Library Entry Descriptors for CT

This Template contains selected attributes for a CT image or group of such images. The descriptive information may be copied from images or derived.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1605. Image Library Entry Descriptors for CT

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS ACQ CONTEXT	CODE	EV (113820, DCM, "CT Acquisition Type")	1	U		DCID 10013 “CT Acquisition Type”
2		HAS ACQ CONTEXT	CODE	EV (113961, DCM, "Reconstruction Algorithm")	1	U		DCID 10033 “CT Reconstruction Algorithm”

Content Item Descriptions

CT Acquisition Type	A code derived from the value of Acquisition Type (0018,9302) in the Image IOD. See Section C.8.15.3.2 “CT Acquisition Type Macro” in PS3.3.
Reconstruction Algorithm	A code derived from the value of Reconstruction Algorithm (0018,9315) in the Image IOD. See Section C.8.15.3.7 “CT Reconstruction Macro” in PS3.3.

TID 1606 Image Library Entry Descriptors for MR

This Template contains selected attributes for a MR image or group of such images. The descriptive information may be copied from images or derived.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1606. Image Library Entry Descriptors for MR

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS ACQ CONTEXT	TEXT	EV (128230, DCM, "Pulse Sequence Name")	1	U		

Content Item Descriptions

Pulse Sequence Name	The value of Pulse Sequence Name (0018,9005) or Sequence Name (0018,0024) in the Image IOD. See Section C.8.13.4 “MR Pulse Sequence Module” in PS3.3.

TID 1607 Image Library Entry Descriptors for PET

This Template contains selected attributes for a PET image or group of such images. The descriptive information may be copied from images or derived.

Note

The content of this Template is similar to that in TID 15101 NM/PET Protocol Context, but is in the form of an SR Template rather than a Protocol Context Template, and the content items are not nested as modifiers. There is also some similarity to TID 3307 NM/PET Perfusion Measurement Group.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 1607. Image Library Entry Descriptors for PET

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS ACQ CONTEXT	CODE	EV (89457008, SCT, "Radionuclide")	1	U		DCID 4020 “PET Radionuclide”
2		HAS ACQ CONTEXT	CODE	EV (417881006, SCT, "Radiopharmaceutical agent")	1	U		DCID 4021 “PET Radiopharmaceutical”
3		HAS ACQ CONTEXT	NUM	EV (304283002, SCT, "Half-life of radiopharmaceutical")	1	U		UNITS = EV (s, UCUM, "s")
3b		HAS ACQ CONTEXT	TEXT	EV (121022, DCM, "Accession Number")	1	U		
4		HAS ACQ CONTEXT	DATETIME	EV (123003, DCM, "Radiopharmaceutical Start DateTime")	1	U		
5		HAS ACQ CONTEXT	DATETIME	EV (123004, DCM, "Radiopharmaceutical Stop DateTime")	1	U		
6		HAS ACQ CONTEXT	NUM	EV (123005, DCM, "Radiopharmaceutical Volume")	1	U		UNITS = DT (cm3, UCUM, "cm3")
7		HAS ACQ CONTEXT	NUM	EV (123006, DCM, "Radionuclide Total Dose")	1	U		UNITS = DT (Bq, UCUM, "Bq")
8		HAS ACQ CONTEXT	NUM	EV (123007, DCM, "Radiopharmaceutical Specific Activity")	1	U		UNITS = DT (Bq/mol, UCUM, "Bq/mol")
9		HAS ACQ CONTEXT	CODE	EV (410675002, SCT, "Route of Administration")	1	U		BCID 11 “Route of Administration”
10		HAS ACQ CONTEXT	NUM	EV (123009, DCM, "Radionuclide Syringe Counts")	1	U		UNITS = DT ({counts}/s, UCUM "counts/s")
11		HAS ACQ CONTEXT	NUM	EV (123010, DCM, "Radionuclide Residual Syringe Counts")	1	U		UNITS = DT ({counts}/s, UCUM "counts/s")
12		HAS ACQ CONTEXT	NUM	EV (126203, DCM, "PET Radionuclide Incubation Time")	1	U		UNITS = EV (min, UCUM, "min")
13		HAS ACQ CONTEXT	NUM	EV (14749-6, LN, "Glucose")	1	U		UNITS = EV (mmol/l, UCUM, "mmol/l")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
14		HAS ACQ CONTEXT	DATE	EV (127857, DCM, "Glucose Measurement Date")	1	MC	IF Row 13 Glucose is present and does not contain Observation DateTime (0040,A032).	
15		HAS ACQ CONTEXT	TIME	EV (127858, DCM, "Glucose Measurement Time")	1	MC	IF Row 13 Glucose is present and does not contain Observation DateTime (0040,A032).	

Content Item Descriptions

Row 3	Half-life of radiopharmaceutical	The units for half life are chosen to be seconds, to match the units used for Radionuclide Half Life (0018,1075). See Section C.8.9.2 “PET Isotope Module” in PS3.3.
Row 14	Glucose Measurement Date	In an earlier edition of the Standard, an incorrect DCM code was used for this concept, which was already assigned as (109081, DCM, "Prospective gating").
Row 15	Glucose Measurement Time	In an earlier edition of the Standard, an incorrect DCM code was used for this concept, which was already assigned as (109082, DCM, "Retrospective gating").

TID 2000 Basic Diagnostic Imaging Report

Basic report Template for general diagnostic imaging interpretation reports.

Can only be instantiated at the root node and cannot be included in other Templates.

Type: **Non-Extensible**
Order: **Significant**
Root: **Yes**

Table TID 2000. Basic Diagnostic Imaging Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	BCID 7000 “Diagnostic Imaging Report Document Titles”	1	M		Root node
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1-n	U		
3	>	HAS CONCEPT MOD	CODE	EV (122142, DCM, "Acquisition Device Type")	1-n	U		DCID 29 “Acquisition Modality”
4	>	HAS CONCEPT MOD	CODE	EV (123014, DCM, "Target Region")	1-n	U		
5	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
6	>	HAS CONCEPT MOD	INCLUDE	DTID 1210 “Equivalent Meaning(s) of Concept Name”	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
7	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		
8	>	CONTAINS	CONTAINER	BCID 7001 “Diagnostic Imaging Report Headings”	1-n	U		
9	>>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	U		
10	>>		INCLUDE	DTID 2002 “Report Narrative”	1	M		

No Content Items other than those defined in Observation Context TID 1001 “Observation Context” may be the target of a HAS OBS CONTEXT relationship when TID 2000 “Basic Diagnostic Imaging Report” is invoked.

Content Item Descriptions

Rows 2, 3, 4	The content of rows 2, 3, and 4 shall not be inconsistent with the meaning of the report title of row 1. If the report title does not include the concepts of the procedure type, modality, or target site (e.g., the generic "Diagnostic Imaging Report"), these rows may provide post-coordination of those concepts. If the report title does include such concepts (e.g., "CT Head Report"), they may be encoded duplicatively to support report categorization and search.

TID 2001 Basic Diagnostic Imaging Report Observations

Individual numeric or image observations that may be useful for inclusion as individual findings or as the source of inferences in a report.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 2001. Basic Diagnostic Imaging Report Observations

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			IMAGE	BCID 7003 “Diagnostic Imaging Report Purposes of Reference”	1	MC	XOR Rows 2, 3, 4, 5.	
2			INCLUDE	DTID 1400 “Linear Measurement”	1	MC	XOR Rows 1, 3, 4, 5. Shall not be present if the NUM value type is not supported by the IOD.	
3			INCLUDE	DTID 1401 “Area Measurement”	1	MC	XOR Rows 1, 2, 4, 5. Shall not be present if the NUM value type is not supported by the IOD.	
4			INCLUDE	DTID 1402 “Volume Measurement”	1	MC	XOR Rows 1, 2, 3, 5. Shall not be present if the NUM value type is not supported by the IOD.	
5			INCLUDE	DTID 1404 “Numeric Measurement”	1	MC	XOR Rows 1, 2, 3, 4. Shall not be present if the NUM value type is not supported by the IOD.	

TID 2002 Report Narrative

The Report Narrative allows recording of text, code, and numeric observations. The order of Content Items in the Template is not significant; the order of Content Items in a SOP Instance may be significant to the narrative flow of the report.

Type: **Non-Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 2002. Report Narrative

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CODE	BCID 7002 “Diagnostic Imaging Report Elements”	1-n	U		
2	>	INFERRED FROM	INCLUDE	DTID 2001 “Basic Diagnostic Imaging Report Observations”	1-n	U		
3		CONTAINS	TEXT	BCID 7002 “Diagnostic Imaging Report Elements”	1-n	U		
4	>	INFERRED FROM	INCLUDE	DTID 2001 “Basic Diagnostic Imaging Report Observations”	1-n	U		
5		CONTAINS	INCLUDE	DTID 2001 “Basic Diagnostic Imaging Report Observations”	1-n	U		

TID 2005 Transcribed Diagnostic Imaging Report

Basic report Template for general diagnostic imaging interpretation reports produced in a dictation/transcription workflow. SR documents encoded using this Template are intended to be transformable to HL7 Clinical Document Architecture format (see Section X.3 “Transcribed Diagnostic Imaging CDA Instance Content” in PS3.17 and Annexes in PS3.20).

This Template can be instantiated only at the root node, and cannot be included in other Templates.

Observation Context shall be inherited from outside the SR Content tree, and shall not be changed within the Content tree. To satisfy the requirement that Observer Context is inherited, either or both the Author Observer Sequence (0040,A078) or the Verifying Observer Sequence (0040,A073) from the SR Document Module must be present in the SOP Instance.

Note

See Section C.17.5 “Observation Context Encoding” in PS3.3.

Type: **Non-Extensible**
Order: **Significant**
Root: **Yes**

Table TID 2005. Transcribed Diagnostic Imaging Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	BCID 7000 “Diagnostic Imaging Report Document Titles”	1	M		Root node
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1-n	U		
3	>	HAS CONCEPT MOD	CODE	EV (122142, DCM, "Acquisition Device Type")	1-n	U		DCID 29 “Acquisition Modality”
4	>	HAS CONCEPT MOD	CODE	EV (123014, DCM, "Target Region")	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	HAS CONCEPT MOD	CODE	EV (121049, DCM, "Language of Content Item and Descendants")	1	M		DCID 5000 “Languages”
6	>	CONTAINS	CONTAINER	BCID 7001 “Diagnostic Imaging Report Headings”	1-n	M		
7	>>	CONTAINS	TEXT	BCID 7002 “Diagnostic Imaging Report Elements”	1	U		
8	>	CONTAINS	CONTAINER	EV (55113-5, LN, "Key Images")	1-n	U		
9	>>	CONTAINS	TEXT	EV (113012, DCM, "Key Object Description")	1	U		
10	>>	CONTAINS	IMAGE		1-n	M		

Content Item Descriptions

Rows 2, 3, 4	The content of rows 2, 3, and 4 shall not be inconsistent with the meaning of the report title of row 1. If the report title does not include the concepts of the procedure type, modality, or target site (e.g., the generic "Diagnostic Imaging Report"), these rows may provide post-coordination of those concepts. If the report title does include such concepts (e.g., "CT Head Report"), they may be encoded duplicatively to support report categorization and search.
Row 6	CONTAINER Concept Name may be absent.
Row 10	IMAGE Concept Name shall be absent. Purpose of reference is not specified.

TID 2006 Imaging Report With Conditional Radiation Exposure and Protection Information

This Template is used for general imaging reports for both radiation producing and non-radiation producing modalities.

For radiation producing modalities, radiation exposure and protection information is required, such as to support nationally-specific legal or standard requirements.

It contains mandatory sections, each of which may appear only once in objects instantiated from the Template, including the medical content of the report that comprises relevant medical history data, information on the current request (i.e., clinical question that is expected to be answered by the requested procedure), impressions on the current imaging procedure that has been performed, and radiation exposure and protection information.

This Template is a specialization of TID 2000 “Basic Diagnostic Imaging Report”, in that it uses the same structure of headings and content, but mandates the presence and order of specific headings, and extends the subordinate content with specific Content Items.

Type: **Non-Extensible**
Order: **Non-Significant**
Root: **Yes**

Table TID 2006. Imaging Report With Conditional Radiation Exposure and Protection Information

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	BCID 7000 “Diagnostic Imaging Report Document Titles”	1	M		Root node
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1-n	U		
3	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
4	>	HAS CONCEPT MOD	INCLUDE	DTID 1210 “Equivalent Meaning(s) of Concept Name”	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		
6	>	CONTAINS	CONTAINER	EV (55111-9, LN, "Current Procedure Descriptions")	1	M		
7	>>		INCLUDE	DTID 2007 “Imaging Procedure Description”	1	M		
8	>	CONTAINS	CONTAINER	EV (55114-3, LN, "Prior Procedure Descriptions")	1-n	MC	IF relevant prior procedures have been performed.	
9	>>		INCLUDE	DTID 2007 “Imaging Procedure Description”	1	M		
10	>	CONTAINS	CONTAINER	EV (11329-0, LN, "History")	1	M		
11	>>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	U		
12	>>		INCLUDE	DTID 2002 “Report Narrative”	1	M		
13	>	CONTAINS	CONTAINER	EV (55115-0, LN, "Request")	1	M		
14	>>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	U		
15	>>		INCLUDE	DTID 2002 “Report Narrative”	1	M		
16	>	CONTAINS	CONTAINER	EV (19005-8, LN, "Impressions")	1	M		
17	>>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	U		
18	>>		INCLUDE	DTID 2002 “Report Narrative”	1	M		
19	>	CONTAINS	INCLUDE	DTID 2008 “Radiation Exposure and Protection Information”	1	MC	IF the current procedure exposes the patient to ionizing radiation.	
20	>	CONTAINS	CONTAINER	BCID 7001 “Diagnostic Imaging Report Headings”	1-n	U		
21	>>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	U		
22	>>		INCLUDE	DTID 2002 “Report Narrative”	1	M		

No Content Items other than those defined in TID 1001 “Observation Context” may be the target of a HAS OBS CONTEXT relationship when TID 2006 “Imaging Report With Conditional Radiation Exposure and Protection Information” is invoked.

Content Item Descriptions

Row 2	Even though this information is related to the content of Row 6 in TID 2007 “Imaging Procedure Description”, it is present here for consistency with other report Templates.

Rows 5, 6	Information on at least one of the following person observers is mandatory: 1) "Performing Physician" 2) "Performing Technologist". (For those person observers, requirement types as specified in TID 1003 “Person Observer Identifying Attributes” apply. That means that "Person Observer Name" is the only mandatory attribute).
Row 20	Each heading (concept code from CID 7001 “Diagnostic Imaging Report Headings”) may appear only once, and may not repeat the headings (concept codes) used when instantiating any other rows of this Template.

TID 2007 Imaging Procedure Description

Contains information related to the procedure.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 2007. Imaging Procedure Description

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	U		
2		CONTAINS	TEXT	EV (123014, DCM, "Target Region")	1	MC	XOR with Row 3	
3		CONTAINS	CODE	EV (123014, DCM, "Target Region")	1	MC	XOR with Row 2	DCID 4028 “Craniofacial Anatomic Regions” DCID 4030 “CT, MR and PET Anatomy Imaged” DCID 4031 “Common Anatomic Regions”
4	>	HAS CONCEPT MOD	CODE	EV (122142, DCM, "Acquisition Device Type")	1-n	U		DCID 29 “Acquisition Modality”
5		CONTAINS	TEXT	EV (121065, DCM, "Procedure Description")	1	M		
6		CONTAINS	DATE	EV (111060, DCM, "Study Date")	1	M		Shall be equal to the Study Date (0020,0020) in the General Study Module in the images to which this report applies.
7		CONTAINS	TIME	EV (111061, DCM, "Study Time")	1	U		If present, shall be equal to the Study Time (0020,0030) in the General Study Module in the images to which this report applies.
8		CONTAINS	COMPOSITE	EV (113701, DCM, "X-Ray Radiation Dose Report")	1-n	U		

TID 2008 Radiation Exposure and Protection Information

Contains information related to the radiation exposure and protection of the patient, as is required by national legal requirements or standards.

Other information about the current procedure is described in TID 2006 “Imaging Report With Conditional Radiation Exposure and Protection Information” and not repeated here.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 2008. Radiation Exposure and Protection Information

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (73569-6, LN, "Radiation Exposure and Protection Information")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	U		
3	>	CONTAINS	CODE	EV (364320009, SCT, "Pregnancy observable")	1	MC	IF female patient of child-bearing age	DCID 6096 “Pregnancy Status”
4	>	CONTAINS	TEXT	EV (18785-6, LN, "Indications for Procedure")	1	M		
5	>	CONTAINS	PNAME	EV (113850, DCM, "Irradiation Authorizing ")	1	M		
6	>	CONTAINS	TEXT	EV (113921, DCM, "Radiation Exposure")	1	MC	IFF ionizing radiation is applied in the context of the current procedure	
7	>	CONTAINS	TEXT	EV (440252007, SCT, "Administration of radiopharmaceutical")	1	MC	IFF radioactive substance is administered in the context of the current procedure	

Content Item Descriptions

Row 5	The clinician responsible for determining that the irradiating procedure was appropriate for the indications.
Row 6	A textual, human-readable description of the radiation exposure is all that is required by this Template (such as is sufficient to comply with, for example, German law). Detailed specification of exposure is out of the scope of this Template. Such information may be given in a separate SR instances such as described in TID 10001 “Projection X-Ray Radiation Dose” or TID 10011 “CT Radiation Dose”, and referenced from TID 2007 “Imaging Procedure Description”.

TID 2010 Key Object Selection

The Key Object Selection Template is intended for flagging one or more significant images, waveforms, or other composite SOP Instances. Key Object Selection contains:

- coded document title stating the reason for significance of the referenced objects in the Key Object Selection,
- optional free form text comment in an explicitly identified language, and
- optional identification of the observer (device or person) that created the Key Object Selection.

Note

1. For instance, when this Template is used to identify images rejected for quality reasons, the device or person performing the quality assessment is identified in observation context items (invoked through TID 1002 “Observer Context”). The reason for rejection can be included both as a code used as a concept modifier for the document title, and as text description.

2. The order of object references may be significant, e.g., when the title concept is "For Conference".

3. Instances referenced in a Key Object Selection Document may be securely referenced by Digital Signature or MAC mechanisms within the SR Document General Module (see PS3.3).

The Template can only be instantiated at the root node and cannot be included in other Templates. The Template is not extensible; that is, no other Content Items may be added to this Template, or the Templates that are included, recursively.

Type: **Non-Extensible**
Order: **Non-Significant**
Root: **Yes**

Table TID 2010. Key Object Selection

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DCID 7010 “Key Object Selection Document Title”	1	M		Root node
2	>	HAS CONCEPT MOD	CODE	EV (113011, DCM, "Document Title Modifier")	1-n	U		
3	>	HAS CONCEPT MOD	CODE	EV (113011, DCM, "Document Title Modifier")	1	UC	IF Row 1 Concept Name = (113001, DCM, "Rejected for Quality Reasons") or (113010, DCM, "Quality Issue")	DCID 7011 “Rejected for Quality Reasons”
4	>	HAS CONCEPT MOD	CODE	EV (113011, DCM, "Document Title Modifier")	1	MC	IF Row 1 Concept Name = (113013, DCM, "Best In Set")	DCID 7012 “Best in Set”
5	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	U		
6	>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	U		
7	>	CONTAINS	TEXT	EV (113012, DCM, "Key Object Description")	1	U		
8	>	CONTAINS	IMAGE		1-n	MC	At least one of Rows 8, 9 and 10 shall be present	
9	>	CONTAINS	WAVEFORM		1-n	MC	At least one of Rows 8, 9 and 10 shall be present	
10	>	CONTAINS	COMPOSITE		1-n	MC	At least one of Rows 8, 9 and 10 shall be present	

Content Item Descriptions

Rows 8, 9, 10	Purpose of reference shall not be present.

TID 2020 Spectacle Prescription Report

The Spectacle Prescription Report is a structured report used to represent the prescription for a patient. Usually a prescription is for both eyes, but sometimes just one. The Spectacle Prescription Report defines a refractive correction relative to which visual acuity may be measured subjectively, and thus may be referenced by a Visual Acuity Measurements Storage SOP Instance.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 2020. Spectacle Prescription Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111671, DCM, "Spectacle Prescription Report")	1	M		Root node
2	>	CONTAINS	CONTAINER	EV (111688, DCM, "Right Eye Rx")	1	UC	IF Right Spectacle Lens is prescribed	
3	>>	CONTAINS	INCLUDE	DTID 2021 “Template for Spectacle Prescription Details”	1	M		
4	>	CONTAINS	CONTAINER	EV (111689, DCM, "Left Eye Rx")	1	UC	IF Left Spectacle Lens is prescribed	
5	>>	CONTAINS	INCLUDE	DTID 2021 “Template for Spectacle Prescription Details”	1	M		
6	>	CONTAINS	NUM	EV (111679, DCM, "Distance Pupillary Distance")	1	U		UNITS = EV (mm, UCUM, "mm")
7	>	CONTAINS	NUM	EV (111680, DCM, "Near Pupillary Distance")	1	U		UNITS = EV (mm, UCUM, "mm")
8	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

TID 2021 Template for Spectacle Prescription Details

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 2021. Spectacle Prescription Details

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	NUM	EV (251795007, SCT, "Sphere")	1	M		UNITS = EV ([diop], UCUM, "diopters")
2		CONTAINS	NUM	EV (251797004, SCT, "Cylinder Power")	1	UC	IF Cylinder is prescribed	UNITS = EV ([diop], UCUM, "diopters")
3		CONTAINS	NUM	EV (251799001, SCT, "Axis")	1	MC	IF ROW 2 is Present	UNITS = EV (deg, UCUM, "degrees")
4		CONTAINS	NUM	EV (111672, DCM, "Add Near")	1	UC	IF Add Near is prescribed	UNITS = EV ([diop], UCUM, "diopters")
5		CONTAINS	NUM	EV (111673, DCM, "Add Intermediate")	1	UC	IF Add Intermediate is prescribed	UNITS = EV ([diop], UCUM, "diopters")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6		CONTAINS	NUM	EV (111674, DCM, "Add Other")	1	UC	IF Add Other is prescribed	UNITS = EV ([diop], UCUM, "diopters")
7		CONTAINS	NUM	EV (111675, DCM, "Horizontal Prism Power")	1	UC	IF Horizontal Prism is prescribed	UNITS = EV ([p'diop], UCUM, "prism diopters")
8		CONTAINS	CODE	EV (111676, DCM, "Horizontal Prism Base")	1	MC	IF ROW 7 is present	DCID 4214 “Ophthalmic Horizontal Directions”
9		CONTAINS	NUM	EV (111677, DCM, "Vertical Prism Power")	1	UC	IF Vertical Prism is prescribed	UNITS = EV ([p'diop], UCUM, "prism diopters")
10		CONTAINS	CODE	EV (111678, DCM, "Vertical Prism Base")	1	MC	IF Row 9 is present	DCID 4215 “Ophthalmic Vertical Directions”

TID 2100 Macular Grid Thickness and Volume Report

The Macular Grid Thickness and Volume Report is a structured report encoding the macular grid thickness and volume values derived from ophthalmic images, such as ophthalmic OPT images. This may encode measurements of either or both eyes.

The macular grid conveyed by this report is based upon the grid employed by the Early Treatment of Diabetic Retinopathy Study (ETDRS) to measure area and proximity of macular edema to the anatomic center (fovea) of the macula. See *ETDRS Report Number 10*.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 2100. Macular Grid Thickness and Volume Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111690, DCM, "Macular Grid Thickness and Volume Report")	1	M		Root node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		
4	>	CONTAINS	INCLUDE	DTID 2101 “Macular Grid Thickness and Volume Measurement”	1	MC	IF Row 5 is absent.	$Laterality = EV (24028007, SCT, "Right")
5	>	CONTAINS	INCLUDE	DTID 2101 “Macular Grid Thickness and Volume Measurement”	1	MC	IF Row 4 is absent.	$Laterality = EV (7771000, SCT, "Left")

TID 2101 Macular Grid Thickness and Volume Measurement

This Template encodes the macular grid thickness and volume measurements for a single eye.

Table TID 2101. Parameters

Parameter Name	Parameter Usage
$Laterality	Which eye

Type: **Extensible**
Order: **Significant**

Root: **No**

Table TID 2101. Macular Grid Thickness and Volume Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		EV (81745001, SCT, "Eye")
3	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	M		$Laterality
4	>	CONTAINS	NUM	EV (57108-3, LN, "Macular Grid.Center Point Thickness")	1	M		UNITS = EV (um, UCUM, "micrometer")
5	>	CONTAINS	NUM	EV (57109-1, LN, "Macular Grid.Center Subfield Thickness")	1	M		UNITS = EV (um, UCUM, "micrometer")
6	>	CONTAINS	NUM	EV (57110-9, LN, "Macular Grid.Inner Superior Subfield Thickness")	1	M		UNITS = EV (um, UCUM, "micrometer")
7	>	CONTAINS	NUM	EV (57111-7, LN, "Macular Grid.Inner Nasal Subfield Thickness")	1	M		UNITS = EV (um, UCUM, "micrometer")
8	>	CONTAINS	NUM	EV (57112-5, LN, "Macular Grid.Inner Inferior Subfield Thickness")	1	M		UNITS = EV (um, UCUM, "micrometer")
9	>	CONTAINS	NUM	EV (57113-3, LN, "Macular Grid.Inner Temporal Subfield Thickness")	1	M		UNITS = EV (um, UCUM, "micrometer")
10	>	CONTAINS	NUM	EV (57114-1, LN, "Macular Grid.Outer Superior Subfield Thickness")	1	M		UNITS = EV (um, UCUM, "micrometer")
11	>	CONTAINS	NUM	EV (57115-8, LN, "Macular Grid.Outer Nasal Subfield Thickness")	1	M		UNITS = EV (um, UCUM, "micrometer")
12	>	CONTAINS	NUM	EV (57116-6, LN, "Macular Grid.Outer Inferior Subfield Thickness")	1	M		UNITS = EV (um, UCUM, "micrometer")
13	>	CONTAINS	NUM	EV (57117-4, LN, "Macular Grid.Outer Temporal Subfield Thickness")	1	M		UNITS = EV (um, UCUM, "micrometer")
14	>	CONTAINS	NUM	EV (57118-2, LN, "Macular Grid.Total Volume")	1	M		UNITS = EV (mm3, UCUM, "mm3")
15	>	CONTAINS	NUM	EV (111691, DCM, "Number of Images Used for Macular Measurements")	1	M		UNITS = EV ({images}, UCUM, "images")
16	>	CONTAINS	NUM	EV (111692, DCM, "Number of Samples Used per Image")	1	M		UNITS = EV ({samples}, UCUM, "samples")
17	>	CONTAINS	NUM	EV (111693, DCM, "Analysis Quality Rating")	1	M		UNITS = EV ({0:100}, UCUM, "range:0:100") Value = 0 - 100

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
18	>>	HAS OBS CONTEXT	INCLUDE	DTID 2102 “Quality Rating Identification”	1	M		
19	>	CONTAINS	NUM	EV (111694, DCM, "Image Set Quality Rating")	1	M		UNITS = EV ({0:100}, UCUM, "range:0:100") Value = 0 - 100
20	>>	HAS OBS CONTEXT	INCLUDE	DTID 2102 “Quality Rating Identification”	1	M		
21	>	CONTAINS	NUM	EV (111029, DCM, "Image Quality Rating")	1-n	U		UNITS = EV ({0:100}, UCUM, "range:0:100") Value = 0 - 100
22	>>	INFERRED FROM	IMAGE		1	M		
23	>>	HAS OBS CONTEXT	INCLUDE	DTID 2102 “Quality Rating Identification”	1	M		
24	>	CONTAINS	CODE	EV (111696, DCM, "Visual Fixation Quality During Acquisition")	1	U		DCID 4220 “Visual Fixation Quality During Acquisition”
25	>>	HAS CONCEPT MOD	CODE	EV (111697, DCM, "Visual Fixation Quality Problem")	1-n	U		DCID 4221 “Visual Fixation Quality Problem”
26	>	CONTAINS	CODE	EV (111698, DCM, "Ophthalmic Macular Grid Problem")	1-n	U		DCID 4222 “Ophthalmic Macular Grid Problem”
27	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

Content Item Descriptions

Row 22	No purpose of reference is specified.

TID 2102 Quality Rating Identification

This Template specifies the algorithm (and parameters) used to create a quality rating for an image or image set.

It is expected that the identified algorithm will create a consistent quality rating when analyzing a given image. If the algorithm allows change to its parameters that would alter the quality rating created, the specific parameters used should be specified.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 2102. Quality Rating Identification

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (111001, DCM, "Algorithm Name")	1	M		
2			TEXT	EV (111003, DCM, "Algorithm Version")	1	M		
3			TEXT	EV (122405, DCM, "Algorithm Manufacturer")	1	M		
4			TEXT	EV (111002, DCM, "Algorithm Parameters")	1-n	U		

Procedure Log IOD Templates

TID 3001 Procedure Log

The Procedure Log Template is intended for the representation of reports or logs of time-stamped events occurring during an image-guided interventional or other procedure.

This Template does not require a particular ordering of the subsidiary Content Items.

Note

1. The Procedure Log IOD (PS3.3) requires ordering by Observation DateTime; thus log entries of different types (i.e., specified by different Rows in the Template) may appear in any order.
2. While this Template is extensible, the Procedure Log IOD forbids Container Content Items subsidiary to the top level Container.

Type: **Extensible**
Order: **Non-Significant**
Root: **Yes**

Table TID 3001. Procedure Log

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DCID 3400 “Procedure Log Titles”	1	M		Root node
2	>		INCLUDE	DTID 1002 “Observer Context”	1-n	M		
3	>		INCLUDE	DTID 3601 “Procedure Context”	1	M		
4	>	HAS ACQ CONTEXT	TEXT	EV (121121, DCM, "Room identification")	1	U		
5	>	HAS ACQ CONTEXT	TEXT	EV (121122, DCM, "Equipment identification")	1-n	U		
6	>	CONTAINS	TEXT	DCID 3401 “Types of Log Notes”	1-n	U		
7	>>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		
8	>	CONTAINS	CODE	EV (121123, DCM, "Patient Status or Event")	1-n	U		DCID 3402 “Patient Status and Events”
9	>>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		
10	>	CONTAINS	PNAME	DCID 3404 “Staff Actions”	1-n	U		
11	>>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		
12	>	CONTAINS	TEXT	DCID 3427 “Equipment Events”	1-n	U		Equipment identifier
13	>>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		
14	>	CONTAINS	INCLUDE	DTID 3100 “Procedure Action”	1-n	U		
15	>	CONTAINS	INCLUDE	DTID 3101 “Image Acquisition”	1-n	U		
16	>	CONTAINS	INCLUDE	DTID 3102 “Waveform Acquisition”	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
17	>	CONTAINS	INCLUDE	DTID 3103 “Referenced Object”	1-n	U		
18	>	CONTAINS	INCLUDE	DTID 3104 “Consumables”	1-n	U		
19	>	CONTAINS	INCLUDE	DTID 3105 “Lesion Identification and Properties”	1-n	U		
20	>	CONTAINS	INCLUDE	DTID 3106 “Drugs/Contrast Administered”	1-n	U		
21	>	CONTAINS	INCLUDE	DTID 3107 “Device Used”	1-n	U		
22	>	CONTAINS	INCLUDE	DTID 3108 “Intervention”	1-n	U		
23	>	CONTAINS	CODE	EV (116224001, SCT, "Complication of Procedure")	1-n	U		DCID 3413 “Adverse Outcomes”
24	>>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		
25	>	CONTAINS	INCLUDE	DTID 3109 “Measurements”	1-n	U		
26	>	CONTAINS	INCLUDE	DTID 3110 “Impressions or Findings”	1-n	U		
27	>	CONTAINS	INCLUDE	DTID 3111 “Percutaneous Entry”	1-n	U		
28	>	CONTAINS	INCLUDE	DTID 3112 “Specimen Obtained”	1-n	U		
29	>	CONTAINS	INCLUDE	DTID 3113 “Patient Support”	1-n	U		
30	>	CONTAINS	INCLUDE	DTID 3114 “Patient Assessment”	1-n	U		
31	>	CONTAINS	INCLUDE	DTID 3115 “ECG ST Assessment”	1-n	U		

Content Item Descriptions

Row 2	Includes TID 1002 “Observer Context”, which shall be used to record the identity of the person responsible for recording the log, as well as all other participants in the procedure, even though these personnel may not technically be "observers" of the Procedure Log. As participants in the procedure, they are potential sources for events and observations recorded in the Log. TID 1002 “Observer Context” allows the specification of the person's role in the organization (e.g., physician, nurse), as well as the role in the procedure (e.g., circulating, performing, etc.).
Row 5	Shall be used to record the identity of the major equipment used in the procedure.
Row 6	May be used to record any event not covered by a specific log entry Template.

TID 3010 Log Entry Qualifiers

The Log Entry Qualifiers Template provides a common means for adding additional description to a procedure log Content Item. It allows identification of a source for the procedure log entry (other than the recording observer for the log as a whole), a free text comment, a link to a particular Procedure Action item, a link to a particular lesion, or the date/time of recording (if different than the time of the event occurrence recorded in the Observation DateTime of the parent Content Item).

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3010. Log Entry Qualifiers

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	DTID 1000 “Quotation”	1	U		
2		HAS PROPERTIES	TEXT	EV (121106, DCM, "Comment")	1	U		
3		HAS OBS CONTEXT	TEXT	EV (121124, DCM, "Procedure Action ID")	1-n	U		
4		HAS OBS CONTEXT	TEXT	EV (121151, DCM, "Lesion Identifier")	1-n	U		Up to 3 numeric characters
5		HAS OBS CONTEXT	DATETIME	EV (121125, DCM, "DateTime of Recording of Log Entry")	1	U		
6		INFERRED FROM	IMAGE		1-n	U		
7		INFERRED FROM	WAVEFORM		1-n	U		
8		INFERRED FROM	COMPOSITE		1-n	U		
9		HAS OBS CONTEXT	CODE	EV (121135, DCM, "Observation DateTime Qualifier")	1	U		DCID 3430 “DateTime Qualifiers”

Content Item Descriptions

Row 3	Procedure Action ID allows linking recorded events to a particular action, step, or phase of a procedure. See description for TID 3100 “Procedure Action”.
Row 4	Lesion Identifier is specified as a numeric text string, and allows linking recorded events to the diagnosis or therapy of particular lesion. See description for TID 3105 “Lesion Identification and Properties”.

TID 3100 Procedure Action

The Procedure Action Template is intended for the recording of the beginning or end of procedure steps or action items in a procedure. The level of granularity of the recorded events is not specified, and may vary between institutions, or even be at multiple levels within a single procedure log. There is no requirement for the real-world procedure step or action item recorded with this Template to end before another one begins; there may be overlapping or simultaneous procedure steps or action items.

This log entry Template may be used to record the start or stop of timers.

Other recorded events in the procedure may be linked to a particular step or action item by Procedure Action ID (see TID 3010 “Log Entry Qualifiers”).

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3100. Procedure Action

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID 3421 “Procedure Action”	1	M		BCID 3405 “Procedure Action Values”
2	>	HAS PROPERTIES	TEXT	EV (121124, DCM, "Procedure Action ID")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	HAS PROPERTIES	PNAME	BCID 7453 “Performing Roles”	1-n	U		
4	>	HAS PROPERTIES	NUM	EV (121128, DCM, "Procedure Action Duration")	1	U		
5	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		
6	>	HAS PROPERTIES	UIDREF	EV (121126, DCM, "Performed Procedure Step SOP Instance UID")	1	MC	IFF a Performed Procedure Step SOP Class is used to provide status of the Procedure Step	
7	>	HAS PROPERTIES	UIDREF	EV (121127, DCM, "Performed Procedure Step SOP Class UID")	1	MC	IFF a Performed Procedure Step SOP Class is used to provide status of the Procedure Step	

Content Item Descriptions

Row 2	The value of the Procedure Action ID shall be uniquely associated with the step or action within the context of the Study, and may be used to associate various Procedure Log entries with the step or action.
Row 3	May be used to record the identity of staff roles for the purpose of this Procedure Action, which may differ from their roles in the procedure as a whole.

TID 3101 Image Acquisition

The Image Acquisition Template allows recording of the essential parameters of a digital image acquired during the procedure.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3101. Image Acquisition

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			IMAGE	EV (121138, DCM, "Image Acquired")	1	M		
2	>	HAS ACQ CONTEXT	UIDREF	EV (112002, DCM, "Series Instance UID")	1	M		
3	>	HAS ACQ CONTEXT	CODE	EV (121139, DCM, "Modality")	1	M		DCID 29 “Acquisition Modality” Derived from referenced image SOP Instance attribute (0008,0060)
4	>	HAS PROPERTIES	NUM	EV (121140, DCM, "Number of Frames")	1	U		
5	>	HAS PROPERTIES	TEXT	EV (121141, DCM, "Image Type")	1	U		From referenced image SOP Instance attribute (0008,0008)
6	>	HAS ACQ CONTEXT	NUM	EV (112011, DCM, "Positioner Primary Angle")	1	U		UNITS = EV (deg, UCUM, "deg")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
7	>	HAS ACQ CONTEXT	NUM	EV (112012, DCM, "Positioner Secondary Angle")	1	U		UNITS = EV (deg, UCUM, "deg")
8	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

TID 3102 Waveform Acquisition

The Waveform Acquisition Template allows recording of the essential parameters of a digital waveform acquired during the procedure.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3102. Waveform Acquisition

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			WAVEFORM	EV (121143, DCM, "Waveform Acquired")	1	M		
2	>	HAS ACQ CONTEXT	CODE	EV (121139, DCM, "Modality")	1	M		DCID 29 “Acquisition Modality” Derived from referenced waveform SOP Instance attribute (0008,0060)
3	>	HAS ACQ CONTEXT	NUM	EV (121142, DCM, "Acquisition Duration")	1	U		
4	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

TID 3103 Referenced Object

The Referenced Object Template allows reference to measurement or report objects, such as prior medical reports, laboratory results, hemodynamic measurement reports, or quantitative analysis reports.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3103. Referenced Object

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			COMPOSITE	BCID 3407 “Purpose of Reference to Object”	1	M		
2	>	HAS PROPERTIES	CODE	EV (121144, DCM, "Document Title")	1	MC	IFF Row 1 references an SR object	Root node concept of referenced SR object
3	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

TID 3104 Consumables

The Consumables Template allows recording of devices (e.g., catheters or stents), drugs, or contrast agents accessed in a procedure. This Content Item is directed towards inventory control and billing. The actual clinical use of the particular consumable is recorded using TID 3106 “Drugs/Contrast Administered” or TID 3107 “Device Used”.

This Template allows recording both consumable retrieval from, and return to, inventory or stock, and disposal of used material. The quantity involved in each recorded transaction may be specified.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3104. Consumables

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID 3408 “Actions With Consumables”	1	M		Vendor or local bar coded values
2	>	HAS PROPERTIES	TEXT	DCID 3426 “Consumables Parameters”	1-n	U		
3	>	HAS PROPERTIES	NUM	EV (121146, DCM, "Quantity of Material")	1	U		
4	>	HAS PROPERTIES	CODE	EV (121147, DCM, "Billing Code")	1	U		local billing codes
5	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

TID 3105 Lesion Identification and Properties

The Lesion Identification and Properties Template allows recording the identification of each lesion addressed in a procedure. The lesion identifier may be used to relate diagnostic or therapeutic actions with their target lesion (see Row 4 in TID 3010 “Log Entry Qualifiers”). This Content Item may include the initial visually estimated measurements of stenosis or TIMI flow; measured values from a quantitative measurement report may be referenced indirectly (through TID 3103 “Referenced Object”), or by quotation (TID 3109 “Measurements”). Subsequent (e.g., post-intervention) stenosis measurements may be encoded using TID 3109 “Measurements”, with the Lesion Identifier conveyed through its subsidiary TID 3010 “Log Entry Qualifiers” Template.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3105. Lesion Identification and Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (121151, DCM, "Lesion Identifier")	1	M		Up to 3 numeric characters
2	>	HAS PROPERTIES	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 3604 “Arterial Lesion Locations”
3	>>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical modifier")	1	U		DCID 3019 “Cardiovascular Anatomic Location Modifiers”
4	>	HAS PROPERTIES	CODE	EV (121153, DCM, "Lesion Risk")	1	U		DCID 3418 “Lesion Risk”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	HAS PROPERTIES	NUM	EV (408715008, SCT, "Lumen Diameter Stenosis")	1	U		UNITS = EV (%, UCUM, "%")
6	>>	HAS CONCEPT MOD	CODE	EV (129085009, SCT, "Catheterization Procedure Phase")	1	M		EV (128955008, SCT, "Baseline Phase")
7	>>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	U		DCID 3745 “Calculation Method”
8	>	HAS PROPERTIES	CODE	EV (122109, DCM, "Baseline TIMI Flow")	1	UC	IFF Row 2 specifies a coronary artery	DCID 3713 “TIMI Flow Characteristics”
9	>	HAS PROPERTIES	CODE	EV (122131, DCM, "Degree of Thrombus")	1	U		DCID 3714 “Thrombus”
10	>	HAS PROPERTIES	CODE	EV (129737002, SCT, "Lesion Margin Characteristics")	1	U		DCID 3715 “Lesion Margin”
11	>	HAS PROPERTIES	CODE	EV (122134, DCM, "Vessel Morphology")	1-n	U		DCID 3712 “Vessel Descriptors”
12	>	HAS PROPERTIES	CODE	EV (122132, DCM, "Severity of Calcification")	1	U		DCID 3716 “Severity”
13	>	HAS PROPERTIES	IMAGE	DT (121080, DCM, "Best illustration of finding")	1	U		
14	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

Content Item Descriptions

Row 1	Lesion Identifier is specified as a numeric text string in order to facilitate transcoding to DICOM Attribute (0018,3105) Lesion Number and to formats for outcomes registries, such as the ACC National Cardiovascular Data Registry™.

TID 3106 Drugs/Contrast Administered

The Drugs/Contrast Administered Template allows the recording of the start or end of that type of event, together with its parameters. If start and end are represented by a single log entry (e.g., for an injection), the concept name "Drug/contrast administered" shall be used.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3106. Drugs/Contrast Administered

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID 3409 “Administration of Drugs/Contrast”	1	M		BCID 10 “Interventional Drug” or BCID 12 “Radiographic Contrast Agent”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS PROPERTIES	TEXT	EV (121145, DCM, "Description of Material")	1	U		
3	>	HAS PROPERTIES	CODE	EV (410675002, SCT, "Route of administration")	1	U		BCID 11 “Route of Administration”
4	>	HAS PROPERTIES	NUM	DCID 3410 “Numeric Parameters of Drugs/Contrast”	1-n	U		
5	>	HAS PROPERTIES	PNAME	EV (121152, DCM, "Person administering drug/contrast")	1	U		
6	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

TID 3107 Device Used

The Device Used Template allows recording of the use of interventional diagnostic and therapeutic devices.

The identification of one device used to deploy another device (e.g., a balloon catheter to deploy a stent) may be described with two entries, with one identified as a deployment device in the Concept Modifier of Row 6 of this Template, and linked by the same Procedure Action ID in the Log Entry Qualifiers of the included TID 3010 “Log Entry Qualifiers”.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3107. Device Used

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID 3422 “Device Use Actions”	1	M		BCID 3429 “Catheterization Devices”
2	>	HAS PROPERTIES	CODE	EV (121150, DCM, "Device Code")	1-n	U		Vendor or local bar coded values
3	>	HAS PROPERTIES	TEXT	EV (121145, DCM, "Description of Material")	1	U		
4	>	HAS PROPERTIES	NUM	DCID 3423 “Numeric Device Characteristics”	1-n	U		
5	>	HAS PROPERTIES	CODE	EV (363704007, SCT, "Procedure site")	1	U		BCID 3630 “Cardiovascular Anatomic Locations”
6	>	HAS CONCEPT MOD	CODE	EV (363703001, SCT, "Has Intent")	1	U		DT (121155, DCM, "Deployment")
7	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

TID 3108 Intervention

The Intervention Template allows recording of interventions, including atherectomy, angioplasty, stent placement, brachytherapy, etc. The record may include reference to an image that documents the intervention.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3108. Intervention

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (122090, DCM, "Intervention Action")	1	M		DCID 3412 “Intervention Actions and Status”
2	>	HAS PROPERTIES	CODE	EV (363704007, SCT, "Procedure site")	1	M		DCID 3604 “Arterial Lesion Locations”
3	>>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical modifier")	1	U		DCID 3019 “Cardiovascular Anatomic Location Modifiers”
4	>	HAS PROPERTIES	TEXT	EV (121154, DCM, "Intervention attempt identifier")	1	M		Up to 3 numeric characters
5	>	HAS PROPERTIES	CODE	EV (116682006, SCT, "Uses Equipment")	1-n	U		BCID 3411 “Intracoronary Devices”
6	>>	HAS CONCEPT MOD	CODE	EV (122111, DCM, "Primary Intervention Device")	1	MC	IF Device is Primary for this Lesion	DCID 230 “Yes-No”
7	>	HAS PROPERTIES	NUM	DCID 3425 “Intervention Parameters”	1-n	U		
8	>	HAS PROPERTIES	IMAGE	BCID 7003 “Diagnostic Imaging Report Purposes of Reference”	1	U		
9	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

Content Item Descriptions

Row 4	Intervention attempt Identifier is specified as a numeric text string, and shall be treated as the ordinal of the recorded attempted intervention within this procedure (i.e., "1" for the first attempted intervention, "2" for the second, etc.).

TID 3109 Measurements

The Measurements Template allows recording of significant measurements, such as vital signs, laboratory results, hemodynamic measurements, or quantitative analysis measurements. These measurements are often quoted from another source, which would be documented in the included TID 3010 “Log Entry Qualifiers”.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3109. Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM		1	U		
2	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		
3	>	HAS PROPERTIES	INCLUDE	DTID 310 “Measurement Properties”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4			CODE		1	U		
5	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

TID 3110 Impressions or Findings

The Impressions or Findings Template allows the recording of unconfirmed (provisional) impressions or findings noted during the procedure. It is not intended to convey the Cath Lab Clinical Report (the formal report from the performing physician), although it may be used (like any Procedure Log entry) for the subsequent construction of the Cath Lab Clinical Report.

A finding that is supported by a specific image frame may reference that image in the INFERRED FROM / IMAGE row of the included TID 3010 “Log Entry Qualifiers” Template.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3110. Impressions or Findings

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121071, DCM, "Finding")	1	U		BCID 3728 “Cath Findings”
2	>	HAS PROPERTIES	CODE	EV (246112005, SCT, "Severity")	1	U		DCID 3716 “Severity”
3	>	HAS PROPERTIES	CODE	EV (363698007, SCT, "Finding Site")	1	U		
4	>>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical modifier")	1	U		DCID 3019 “Cardiovascular Anatomic Location Modifiers”
5	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		
6			TEXT	BCID 3419 “Findings Titles”	1	U		
7	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

Content Item Descriptions

Row 3	Finding Site has no Baseline Context ID specified. Typically terms would be drawn from coronary segments, other arterial segments, myocardial segments, etc.

TID 3111 Percutaneous Entry

The Percutaneous Entry Template allows recording of the opening or closing of invasive access ports.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3111. Percutaneous Entry

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121156, DCM, "Percutaneous Entry Action")	1	M		DCID 3403 “Percutaneous Entry”
2	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 244 “Laterality”
3	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

TID 3112 Specimen Obtained

The Specimen Obtained Template allows recording of obtaining a specimen, and the identifiers for that specimen. This is particularly designed for blood samples that will be analyzed for blood oxygen-related measurements. The analysis of the sample may be recorded in one or more log entries using TID 3109 “Measurements”, or in a separate Structured Report SOP Instance referenced by a log entry using TID 3103 “Referenced Object”.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3112. Specimen Obtained

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121123, DCM, "Patient Status or Event")	1	M		DCID 3515 “Specimen Collection”
2	>	HAS ACQ CONTEXT	CODE	EV (371439000, SCT, "Specimen Type")	1	UC	IFF specimen is blood sample	DCID 3520 “Blood Source Type”
3	>	HAS ACQ CONTEXT	CODE	EV (363704007, SCT, "Procedure site")	1	U		BCID 3630 “Cardiovascular Anatomic Locations”
4	>	HAS PROPERTIES	INCLUDE	DTID 1009 “Subject Context, Specimen”	1	U		

TID 3113 Patient Support

The Patient Support Template allows recording of the use of various support technologies, including oxygen, ventilation, pacing, etc.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3113. Patient Support

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DCID 3530 “Oxygen Administration Actions”	1	U		DCID 3531 “Oxygen Administration”
2	>	HAS PROPERTIES	NUM	EV (121160, DCM, "Oxygen Administration Rate")	1	MC	IFF Row 1 Concept is (121161, DCM, "Begin Oxygen Administration")	UNITS = DT (l/min, UCUM, "l/min")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		
4			CODE	DCID 3550 “Circulatory Support Actions”	1	U		DCID 3553 “Circulatory Support”
5	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		
6			CODE	DCID 3551 “Ventilation Actions”	1	U		DCID 3554 “Ventilation”
7	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		
8			CODE	DCID 3552 “Pacing Actions”	1	U		DCID 3555 “Pacing”
9	>		INCLUDE	DTID 3010 “Log Entry Qualifiers”	1	U		

TID 3114 Patient Assessment

The Patient Assessment Template allows recording of the assessment of the patient's cardiovascular, neurological, and/or respiratory condition. A particular use of this Template is for "vital signs", which are a specific subset of mandatory patient assessment measurements.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3114. Patient Assessment

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121123, DCM, "Patient Status or Event")	1	M		DT (121165, DCM, "Patient Assessment Performed") DT (61746007, SCT, "Observation of Vital Signs")
2	>	HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1	MC	IF Row 1 value = (61746007, SCT, "Observation of Vital Signs")	$Measurement = EV (271649006, SCT, "Systolic blood pressure") $Units = DCID 3500 “Pressure Units” $Method = BCID 3560 “Blood Pressure Methods”
3	>	HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1	MC	IF Row 1 value = (61746007, SCT, "Observation of Vital Signs")	$Measurement = EV (271650006, SCT, "Diastolic blood pressure") $Units = DCID 3500 “Pressure Units”
4	>	HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1	MC	IF Row 1 value = (61746007, SCT, "Observation of Vital Signs")	$Measurement = EV (8867-4, LN, "Heart rate") $Units = EV ({H.B.}/min, UCUM, "BPM")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1	MC	IF Row 1 value = (61746007, SCT, "Observation of Vital Signs")	$Measurement = EV (8310-5, LN, "Body temperature") $Units = EV (Cel, UCUM, "C")
6	>	HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1	MC	IF Row 1 value = (61746007, SCT, "Observation of Vital Signs")	$Measurement = DCID 3526 “Blood Gas Saturation” $Units = EV (%, UCUM, "%")
7	>	HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1	MC	IF Row 1 value = (61746007, SCT, "Observation of Vital Signs")	$Measurement = EV (86290005, SCT, "Respiration rate") $Units = EV (/min, UCUM, "breaths/min")
8	>	HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1-n	MC	IF Row 1 value = (61746007, SCT, "Observation of Vital Signs")	$Measurement = EV (122195, DCM, "Pulse Strength") $Method = BCID 3442 “Peripheral Pulse Methods” $TargetSite = BCID 3440 “Peripheral Pulse Locations” $Units = DT ({0:4}, UCUM, "range 0:4")
9	>	HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1	MC	IF Row 1 value = (61746007, SCT, "Observation of Vital Signs")	$Measurement = EV (225908003, SCT, "Pain Score") $Units = DT ({1:10}, UCUM, "range 1:10")
10	>	HAS PROPERTIES	CODE	DT (8884-9, LN, "Cardiac Rhythm")	1	U		BCID 3415 “Cardiac Rhythms”
11	>	HAS PROPERTIES	CODE	DT (9304-7, LN, "Respiration Rhythm")	1	U		BCID 3416 “Respiration Rhythms”
12	>	HAS PROPERTIES	CODE	DT (364062005, SCT, "Respiration Assessment")	1	U		BCID 3448 “Airway Assessment”
13	>	HAS PROPERTIES	CODE	DT (364528001, SCT, "Skin condition")	1-n	U		BCID 3446 “Skin Condition”
14	>	HAS PROPERTIES	CODE	DT (363871006, SCT, "Patient mental state assessment")	1	U		
15	>	HAS PROPERTIES	TEXT	BCID 3441 “Patient Assessments”	1-n	U		

Content Item Descriptions

Row 8	Pulse Strength allows the assessment of the patient's pulse at multiple locations using the Topographical concept modifier. It may also be used for a single pulse strength measurement from an unspecified location, as is typical of vital signs assessments.
Row 16	Allows free text description of patient assessments that are not expressible by coded entries of Rows 10 to 14.

TID 3115 ECG ST Assessment

The ECG ST Assessment Template allows recording of the assessment of changes in the patient ECG relative to baseline.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3115. ECG ST Assessment

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121123, DCM, "Patient Status or Event")	1	M		DT (258181008, SCT, "ECG Analysis")
2	>	HAS PROPERTIES	NUM	DT (122099, DCM, "ST change from baseline")	1-n	M		UNITS = EV (uV, UCUM, "uV")
3	>>	HAS CONCEPT MOD	CODE	DT (122148, DCM, "Lead ID")	1	M		BCID 3001 “ECG Leads”

Quantitative Ventricular Analysis Report SR IOD Templates

The Templates that comprise the Quantitative Ventricular Analysis SR are interconnected as in Figure A-3:

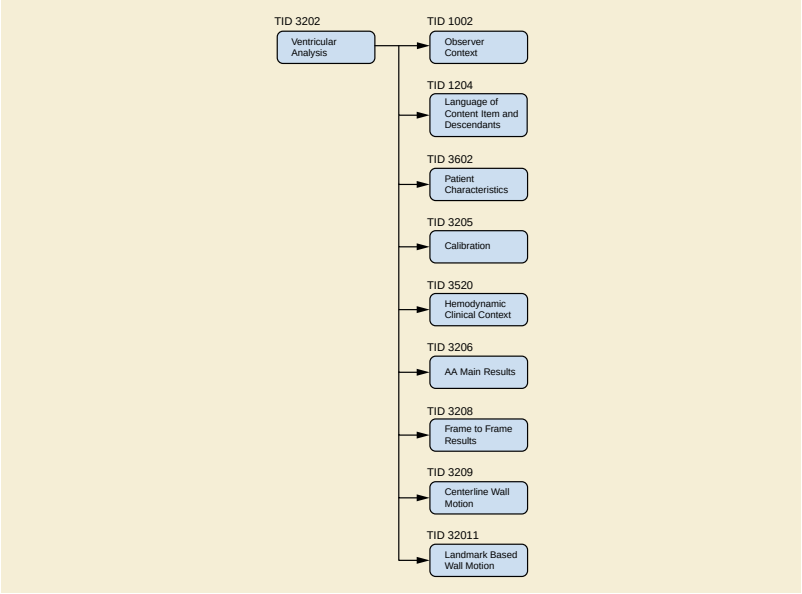

Figure A-3. Quantitative Ventricular Analysis Report SR IOD Template Structure

TID 3202 Ventricular Analysis

The Ventricular Analysis Template provides a CONTAINER with a structure for reporting the result of the ventricular analysis.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3202. Ventricular Analysis

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122292, DCM, "Quantitative Ventriculography Report")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	M		
4	>	CONTAINS	INCLUDE	DTID 3602 “Cardiovascular Patient Characteristics”	1	U		
5	>	CONTAINS	CONTAINER	EV (122144, DCM, "Quantitative Analysis")	1-n	M		
6	>>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	U		
7	>>	HAS OBS CONTEXT	TEXT	EV (111001, DCM, "Algorithm Name")	1	M		
8	>>	HAS OBS CONTEXT	TEXT	EV (111003, DCM, "Algorithm Version")	1	M		
9	>>	HAS OBS CONTEXT	TEXT	EV (122405, DCM, "Algorithm Manufacturer")	1	M		
10	>>	CONTAINS	IMAGE	EV (121112, DCM, "Source of Measurement")	1-n	M		
11	>>>	HAS CONCEPT MOD	CODE	EV (246092007, SCT, "Cardiac Phase")	1	M		DCID 12233 “Cardiac Phase”
12	>>>	HAS CONCEPT MOD	CODE	EV (111031, DCM, "Image View")	1	MC	If Biplane Analysis	DCID 3466 “Plane Identification”
13	>>	HAS ACQ CONTEXT	INCLUDE	DTID 3205 “Calibration”	1-2	U	VM = 1: Single plane analysis, VM = 2: Biplane analysis	$CalibrationPlane = DCID 3466 “Plane Identification”
14	>>	HAS ACQ CONTEXT	INCLUDE	DTID 3520 “Hemodynamic Clinical Context”	1	U		
15	>>	CONTAINS	INCLUDE	DTID 3206 “VA Main Results”	1	M		
16	>>	CONTAINS	INCLUDE	DTID 3207 “AA Main Results”	1	U		
17	>>	CONTAINS	INCLUDE	DTID 3208 “Frame-to-Frame Results”	1	U		
18	>>	CONTAINS	INCLUDE	DTID 3209 “Centerline Wall Motion”	1-2	U	VM = 1: Single plane analysis, VM = 2: Biplane analysis	
19	>>	CONTAINS	INCLUDE	DTID 3210 “Radial Based Wall Motion”	1-2	U	VM = 1: Single plane analysis, VM = 2: Biplane analysis	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
20	>>	CONTAINS	INCLUDE	DTID 3211 “Landmark Based Wall Motion”	1-2	U	VM = 1: Single plane analysis, VM = 2: Biplane analysis	

Content Item Descriptions

Row 7	Identifies the Ventricular Analysis program
Row 8	Identifies the Ventricular Analysis program version
Row 9	Identifies the Ventricular Analysis program manufacturer
Row 10	Identifies the ES and ED images on which the analysis is based, for frame by frame analysis the analyzed image are specified in the frame by frame results (3208) Template

TID 3205 Calibration

The Calibration Template consists of a CONTAINER, with a structure for reporting of the calibration of images used in the analysis.

Table TID 3205. Parameters

Parameter Name	Parameter Usage
$CalibrationPlane	XA Imaging plane

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3205. Calibration

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122505, DCM, "Calibration")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111031, DCM, "Image View")	1	U		$CalibrationPlane
3	>	HAS OBS CONTEXT	TEXT	EV (111001, DCM, "Algorithm Name")	1	MC	IF different from Analysis program specified in the invoking Template	
4	>	HAS OBS CONTEXT	TEXT	EV (111003, DCM, "Algorithm Version")	1	MC	IF different from Analysis program specified in the invoking Template	
5	>	HAS OBS CONTEXT	TEXT	EV (122405, DCM, "Algorithm Manufacturer")	1	MC	IF different from Analysis program specified in the invoking Template	
6	>	CONTAINS	CODE	EV (122422, DCM, "Calibration Method")	1	M		DCID 3452 “Calibration Methods”
7	>	CONTAINS	CODE	EV (122421, DCM, "Calibration Object")	1	MC	If row 6 value specifies Calibration Object Used	DCID 3451 “Calibration Objects”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
8	>	CONTAINS	NUM	EV (122423, DCM, "Calibration Object Size")	1	MC	If row 6 value specifies Calibration Object Used	DCID 3510 “Catheter Size Units”
9	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (111026, DCM, "Horizontal Pixel Spacing") $Unit = DT (mm/{pixel}, UCUM, "mm/pixel") $ImagePurpose = EV (121112, DCM, "Source of Measurement")
10	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (111066, DCM, "Vertical Pixel Spacing") $Unit = DT (mm/{pixel}, UCUM, "mm/pixel") $ImagePurpose = EV (121112, DCM, "Source of Measurement")
11	>	CONTAINS	IMAGE		1	U		

Content Item Descriptions

Row 3	Identifies the Calibration program
Row 4	Identifies the Calibration program version
Row 5	Identifies the Calibration program manufacturer
Row 7	Besides a Sphere and a Catheter, a Distance can be identified as a Calibration Object. In this case a distance measurement of a known dimension of the object is used to calculate the pixel size.
Row 8	The catheter size units is also used to specify the size of other calibration objects (e.g., sphere)
Row 9, 10	Spacing in the patient body. Point to a single frame containing the image used for calibration if applicable, the actual measurements may be indicated by a SCOORD (see TID 320 “Image or Spatial Coordinates”, row 3)
Row 11	Secondary Capture image with calibration position. No purpose of reference is specified.

TID 3206 VA Main Results

The VA Main Results Template consists of a CONTAINER with a structure for reporting the main ventricular analysis measurements.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3206. VA Main Results

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 3462 “Chamber Identification”
3	>	CONTAINS	CODE	EV (122429, DCM, "Volume Method")	1	M		DCID 3453 “Cardiac Volume Methods”
4	>	CONTAINS	NUM	EV (122435, DCM, "Regression Volume Exponent")	1	U		Unit = DT (1, UCUM, "no units")
5	>	CONTAINS	NUM	EV (122431, DCM, "Regression Slope ED")	1	U		Unit = DT ({ratio}, UCUM, "ratio")
6	>	CONTAINS	NUM	EV (122432, DCM, "Regression Offset ED")	1	U		Unit = DT (ml, UCUM, "ml")
7	>	CONTAINS	NUM	EV (122433, DCM, "Regression Slope ES")	1	U		Unit = DT ({ratio}, UCUM, "ratio")
8	>	CONTAINS	NUM	EV (122434, DCM, "Regression Offset ES")	1	U		Unit = DT (ml, UCUM, "ml")
9	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = DCID 3467 “Ejection Fraction” $Unit = DT (%, UCUM, "%")
10	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DCID 3468 “ED Volume” $Unit = DT (ml, UCUM, "ml")
11	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DCID 3469 “ES Volume” $Unit = DT (ml, UCUM, "ml")
12	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (90096001, SCT, "Stroke Volume") $Unit = DT (ml, UCUM, "ml")
13	>	CONTAINS	NUM	EV (8867-4, LN, "Heart Rate")	1	U		Unit = DT ({H.B.}/min, UCUM, "BPM")
14	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DCID 3468 “ED Volume” $ModType = EV (121425, DCM, "Index") $ModValue = DCID 3455 “Index Methods” $Unit = DT (ml/m2, UCUM, "ml/m2")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DCID 3468 “ED Volume” $ModType = EV (121425, DCM, "Index") $ModValue = EV (29463-7, LN, "Patient Weight") $Unit = DT (ml/kg, UCUM, "ml/kg")
16	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DCID 3469 “ES Volume” $ModType = EV (121425, DCM, "Index") $ModValue = DCID 3455 “Index Methods” $Unit = DT (ml/m2, UCUM, "ml/m2")
17	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DCID 3469 “ES Volume” $ModType = EV (121425, DCM, "Index") $ModValue = EV (29463-7, LN, "Patient Weight") $Unit = DT (ml/kg, UCUM, "ml/kg")
18	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (90096001, SCT, "Stroke Volume") $ModType = EV (121425, DCM, "Index") $ModValue = DCID 3455 “Index Methods” $Unit = DT (ml/m2, UCUM, "ml/m2")
19	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (90096001, SCT, "Stroke Volume") $ModType = EV (121425, DCM, "Index") $ModValue = EV (29463-7, LN, "Patient Weight") $Unit = DT (ml/kg, UCUM, "ml/kg")
20	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (82799009, SCT, "Cardiac Output") $Unit = DT (l/min, UCUM, "l/min")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
21	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (54993008, SCT, "Cardiac Index") $ModType = EV (121425, DCM, "Index") $ModValue = DCID 3455 “Index Methods” $Unit = DT (l/min/m2, UCUM, "l/min/m2")
22	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122445, DCM, "Wall Thickness") $Unit = DT (mm, UCUM, "mm")
23	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122446, DCM, "Wall Volume") $Unit = DT (ml, UCUM, "ml")
24	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122447, DCM, "Wall Mass") $Unit = DT (g, UCUM, "gram")
25	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122447, DCM, "Wall Mass") $ModType = EV (121425, DCM, "Index") $ModValue = DCID 3455 “Index Methods” $Unit = DT (g/m2, UCUM, "gram/m2")
26	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122447, DCM, "Wall Mass") $ModType = EV (121425, DCM, "Index") $ModValue = EV (29463-7, LN, "Patient Weight") $Unit = DT (g/kg, UCUM, "gram/kg")
27	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122448, DCM, "Wall Stress") $Unit = DT (dyn/cm2, UCUM, "dynes/cm2")
28	>	CONTAINS	IMAGE		1-n	U		

Content Item Descriptions

Row 28	Secondary Capture image with ED and/or ES contours. No purpose of reference is specified.

TID 3207 AA Main Results

The AA Main Results Template consists of a CONTAINER with a structure for reporting the main atrial analysis measurements.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3207. AA Main Results

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 3462 “Chamber Identification”
3	>	CONTAINS	CODE	EV (122429, DCM, "Volume Method")	1	M		DCID 3453 “Cardiac Volume Methods”
4	>	CONTAINS	NUM	EV (122435, DCM, "Regression Volume Exponent")	1	U		Unit = DT (1, UCUM, "no units")
5	>	CONTAINS	NUM	EV (122431, DCM, "Regression Slope ED")	1	U		Unit = DT ({ratio}, UCUM, "ratio")
6	>	CONTAINS	NUM	EV (122432, DCM, "Regression Offset ED")	1	U		Unit = DT (ml, UCUM, "ml")
7	>	CONTAINS	NUM	EV (122433, DCM, "Regression Slope ES")	1	U		Unit = DT ({ratio}, UCUM, "ratio")
8	>	CONTAINS	NUM	EV (122434, DCM, "Regression Offset ES")	1	U		Unit = DT (ml, UCUM, "ml")
9	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DCID 3468 “ED Volume” $Unit = DT (ml, UCUM, "ml")
10	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DCID 3469 “ES Volume” $Unit = DT (ml, UCUM, "ml")
11	>	CONTAINS	IMAGE		1-n	U		

Content Item Descriptions

Row 11	Secondary Capture image with ED and/or ES contours. No purpose of reference is specified.

TID 3208 Frame-to-Frame Results

The Frame-to-Frame Result Template consists of a CONTAINER providing measurements derived from the angiographic images on frame-by-frame basis.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3208. Frame-To-Frame Result

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, "Analysis Performed")	1	M		EV (122499, DCM, "Frame to Frame Analysis")
3	>	CONTAINS	IMAGE	EV (121112, DCM, "Source of Measurement")	1-2	M	VM = 1: Single plane analysis, VM = 2: Biplane analysis	
4	>	CONTAINS	CODE	EV (122429, DCM, "Volume Method")	1	M		DCID 3453 “Cardiac Volume Methods”
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	M		$Measurement = DCID 3471 “Estimated Volumes” $TargetSite = DCID 3462 “Chamber Identification” $Unit = DT (ml, UCUM, "ml")
6	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (122445, DCM, "Wall Thickness") $Unit = DT (mm, UCUM, "mm")
7	>	CONTAINS	IMAGE		1-n	U		

Content Item Descriptions

Row 3	Identifies each frame analyzed, using the multi-valued Referenced Frame Number (0008,1160) attribute of the IMAGE Content Item.
Row 5, 6	Includes one measurement for each frame referenced in Row 3.
Row 7	Secondary Capture image with ventricular contours. No purpose of reference is specified.

TID 3209 Centerline Wall Motion

The Centerline Wall Motion Template consists of a CONTAINER providing measurements of the centerline wall motion.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3209. Centerline Wall Motion

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, "Analysis Performed")	1	M		EV (122449, DCM, "Centerline Wall Motion Analysis")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>>	HAS CONCEPT MOD	CODE	EV (122410, DCM, "Contour Realignment")	1	M		DCID 3458 “Contour Realignment”
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	100	M		$Measurement = EV (122450, DCM, "Normalized Chord Length") $Unit = DT (%, UCUM, "%")
5	>	CONTAINS	NUM	EV (122411, DCM, "Threshold Value")	1	M		Values shall be 1, 2 or 3 UNITS = EV ({sd}, UCUM, "Standard Deviations")
6	>	CONTAINS	CONTAINER	EV (122451, DCM, "Abnormal Region")	1-6	U		
7	>>	CONTAINS	CODE	EV (60797005, SCT, "Cardiac Wall Motion")	1	M		DCID 3703 “Wall Motion”
8	>>	CONTAINS	CODE	EV (255593009, SCT, "Circumferential Extent")	1	U		DCID 3460 “Circumferential Extent”
9	>>	CONTAINS	NUM	EV (122452, DCM, "First Chord of Abnormal Region")	1	M		Unit = DT (1, UCUM, "no unit")
10	>>	CONTAINS	NUM	EV (122453, DCM, "Last Chord of Abnormal Region")	1	M		Unit = DT (1, UCUM, "no unit")
11	>	CONTAINS	CONTAINER	EV (122417, DCM, "Regional Abnormal Wall Motion ")	1-4	U		
12	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 3461 “Regional Extent”
13	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122459, DCM, "Territory Region Severity") $ModType = EV (60797005, SCT, "Cardiac Wall Motion") $ModValue = DCID 3703 “Wall Motion” $Unit = DT ({sd}, UCUM, "Standard Deviations")
14	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122461, DCM, "Opposite Region Severity") $ModType = EV (60797005, SCT, "Cardiac Wall Motion") $ModValue = DCID 3703 “Wall Motion” $Unit = DT ({sd}, UCUM, "Standard Deviations")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>	CONTAINS	IMAGE		1	U		

Content Item Descriptions

Row 4	Normalized lengths of the chords determined between ED and ES contour. The measurement Template allows the specification of the statistical properties of the normal population and of the chord measurement relative to the population.
Row 8	If the Circumferential Extent is not specified no limitations to the boundaries for regions are assumed.
Row 11	The Regional Abnormal Wall Motion container holds the information on the severity of the decreased or increased wall motion of the 4 predefined regions as described in [Sheehan, 1986].
Row 12	The name of the region with an abnormal ventricular wall motion as described in [Sheehan, 1986].
Row 13	The severity of the wall motion abnormality expressed in Standard Deviations above or below normal in the territory region as described in [Sheehan, 1986].
Row 14	The severity of the wall motion abnormality expressed in Standard Deviations above or below normal in the opposite region as described in [Sheehan, 1986].
Row 15	Secondary Capture image with centerline analysis result. No purpose of reference is specified.

TID 3210 Radial Based Wall Motion

The Radial Based Wall Motion Template consists of a CONTAINER providing measurements of the radial based wall motion.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3210. Radial Based Wall Motion

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, "Analysis Performed")	1	M		EV (122493, DCM, "Radial Based Wall Motion Analysis")
3	>>	HAS CONCEPT MOD	CODE	EV (122410, DCM, "Contour Realignment")	1	M		DCID 3458 “Contour Realignment”
4	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	M		
5	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 3718 “Myocardial Wall Segments in Projection”
6	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122495, DCM, "Regional Contribution to Ejection Fraction") $Unit = DT (%, UCUM, "%")
7	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (122496, DCM, "Radial Shortening") $Unit = DT (%, UCUM, "%")
8	>	CONTAINS	IMAGE		1	U		

Content Item Descriptions

Row 6	The CREF values of the 6 regions determined for the radial based wall motion
Row 7	The shortening of the measured radials within the region
Row 8	Secondary Capture image with radial based analysis result. No purpose of reference is specified.

TID 3211 Landmark Based Wall Motion

The Landmark Based Wall Motion Template consists of a CONTAINER providing measurements of the landmark based wall motion.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3211. Landmark Based Wall Motion

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, "Analysis Performed")	1	M		EV (122497, DCM, "Landmark Based Wall Motion Analysis")
3	>>	HAS CONCEPT MOD	CODE	EV (122410, DCM, "Contour Realignment")	1	M		DCID 3458 “Contour Realignment”
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	M		$Measurement = EV (122498, DCM, "Slice Contribution to Ejection Fraction") $Unit = DT (%, UCUM, "%")
5	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	5	M		
6	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 3718 “Myocardial Wall Segments in Projection”
7	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122495, DCM, "Regional Contribution to Ejection Fraction") $Unit = DT (%, UCUM, "%")
8	>	CONTAINS	IMAGE		1	U		

Content Item Descriptions

Row 8	Secondary Capture image with Landmark Based Analysis result. No purpose of reference is specified.

Quantitative Arterial Analysis Report SR IOD Templates

The Templates that comprise the Quantitative Arterial Analysis SR are interconnected as in Figure A-4:

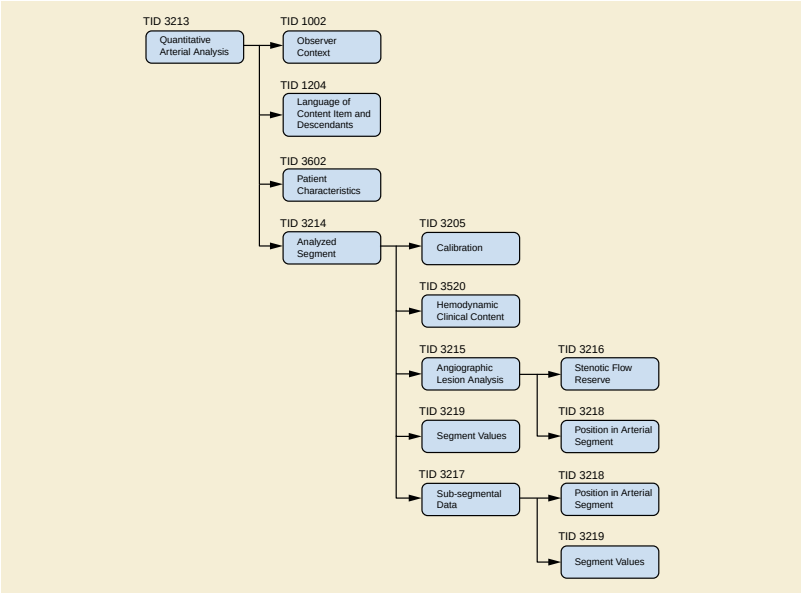

Figure A-4. Quantitative Arterial Analysis Report SR IOD Template Structure

TID 3213 Quantitative Arterial Analysis

The Quantitative Arterial Analysis Template consists of a CONTAINER with a structure for reporting the result of the quantitative arterial analysis process.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3213. Quantitative Arterial Analysis

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122291, DCM, "Quantitative Arteriography Report")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	M		
4	>	CONTAINS	INCLUDE	DTID 3602 “Cardiovascular Patient Characteristics”	1	U		
5	>	HAS OBS CONTEXT	TEXT	EV (111001, DCM, "Algorithm Name")	1	M		
6	>	HAS OBS CONTEXT	TEXT	EV (111003, DCM, "Algorithm Version")	1	M		
7	>	HAS OBS CONTEXT	TEXT	EV (122405, DCM, "Algorithm Manufacturer")	1	M		
8	>	CONTAINS	INCLUDE	DTID 3214 “Analyzed Segment”	1-n	M		

Content Item Descriptions

Row 5	Identifies the Arterial Analysis program
Row 6	Identifies the Arterial Analysis program version

Row 7	Identifies the Arterial Analysis program manufacturer

TID 3214 Analyzed Segment

The Analyzed Segment Template consists of a CONTAINER providing quantitative arterial analysis measurements derived from the angiographic images.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3214. Analyzed Segment

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 3604 “Arterial Lesion Locations”
3	>	CONTAINS	IMAGE	EV (121112, DCM, "Source of Measurement")	1	M		
4	>	CONTAINS	INCLUDE	DTID 3205 “Calibration”	1	M		
5	>	HAS ACQ CONTEXT	INCLUDE	DTID 3520 “Hemodynamic Clinical Context”	1	U		
6	>	HAS ACQ CONTEXT	CODE	EV (129085009, SCT, "Catheterization Procedure Phase")	1	U		DCID 3651 “Hemodynamic Measurement Phase”
7	>	CONTAINS	SCOORD	EV (122507, DCM, "Left Contour")	1	M		GRAPHIC TYPE = POLYLINE
8	>>	R-SELECTED FROM	IMAGE		1	M		Must reference Row 3
9	>	CONTAINS	SCOORD	EV (122508, DCM, "Right Contour")	1	M		GRAPHIC TYPE = POLYLINE
10	>>	R-SELECTED FROM	IMAGE		1	M		Must reference Row 3
11	>	CONTAINS	INCLUDE	DTID 3219 “Segment Values”	1	M		
12	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $Derivation = EV (255605001, SCT, "Minimum") $Unit = DT (mm, UCUM, "mm")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
13	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $Derivation = EV (56851009, SCT, "Maximum") $Unit = DT (mm, UCUM, "mm")
14	>	CONTAINS	CONTAINER	EV (122509, DCM, "Diameter Graph")	1	U		
15	>>	CONTAINS	NUM	EV (122511, DCM, "Graph Increment")	1	M		Value = 1 UNITS = DT ({pixels}, UCUM, "pixels")
16	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	M		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $Unit = DT (mm, UCUM, "mm")
17	>	CONTAINS	NUM	EV (122382, DCM, "Site of Luminal Minimum ")	1	U		UNITS = DT ({pixels}, UCUM, "pixels")
18	>	CONTAINS	NUM	EV (122516, DCM, "Site of Luminal Maximum")	1	U		UNITS = DT ({pixels}, UCUM, "pixels")
19	>	CONTAINS	INCLUDE	DTID 3215 “Angiographic Lesion Analysis”	1-n	U		
20	>	CONTAINS	INCLUDE	DTID 3217 “Sub-segmental Data”	1-n	U		
21	>	CONTAINS	IMAGE		1	U		

Content Item Descriptions

Row 1	Observation DateTime (0040,A032) of container needs to be flagged with the time of the analysis
Row 6	Numeric coordinates (x,y) identifying the contour points from proximal to distal of left contour. Left is relative to the direction of the blood flow.
Row 9	Numeric coordinates (x,y) identifying the contour points from proximal to distal of right contour. Right is relative to the direction of the blood flow.
Row 12, 13	Positions are relative to the midpoint between the first left and right contour points and measured along the midline between the left and right contour.
Row 14	The X-axis represents the pixel points of the midline of the vessel from proximal to distal. The points on the midline are not necessarily equidistant.
Row 16	For each point of the midline of the vessel a measurement value for the diameter is calculated.
Row 17, 18	The positions in the graph are related to the points on the midline of the vessel.
Row 21	Secondary Capture image with Arterial Analysis contour. No purpose of reference is specified.

Definition of Left and Right defined by the direction of the blood flow as in Figure A-4b:

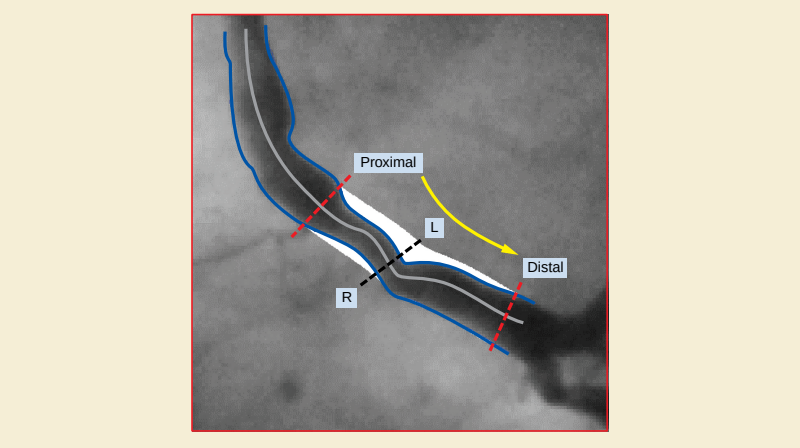

Figure A-4b. Direction of Blood Flow

TID 3215 Angiographic Lesion Analysis

The Angiographic Lesion Analysis Template consists of a CONTAINER providing quantitative arterial analysis measurements derived for an obstruction in a total analyzed segment.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3215. Angiographic Lesion Analysis

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (300577008, SCT, "Lesion Finding")	1	M		
2	>	CONTAINS	TEXT	EV (121151, DCM, "Lesion Identifier")	1	M		
3	>>	HAS PROPERTIES	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 3604 “Arterial Lesion Locations”
4	>>>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical modifier")	1	U		DCID 3019 “Cardiovascular Anatomic Location Modifiers”
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $Derivation = EV (255605001, SCT, "Minimum") $Unit = DT (mm, UCUM, "mm")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (397415007, SCT, "Vessel Lumen Cross-Sectional Area") $Method = DCID 3470 “Vessel Lumen Cross-sectional Area Calculation Methods” $Derivation = EV (255605001, SCT, "Minimum") $Unit = DT (mm2, UCUM, "mm2")
7	>	CONTAINS	CODE	EV (122430, DCM, "Reference Method")	1	M		DCID 3465 “QA Reference Methods”
8	>	CONTAINS	CONTAINER	EV (122438, DCM, "Reference Points")	1	U		
9	>>	CONTAINS	NUM	EV (122337, DCM, "Relative Position")	1-n	M		UNITS = DT (mm, UCUM, "mm")
10	>>>	HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $Unit = DT (mm, UCUM, "mm")
11	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $TargetSite = (122382, DCM, "Site of Luminal Minimum") $Unit = DT (mm, UCUM, "mm")
12	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (397415007, SCT, "Vessel Lumen Cross-Sectional Area") $Derivation = EV (122404, DCM, "Reconstructed") $TargetSite = (122382, DCM, "Site of Luminal Minimum") $Unit = DT (mm2, UCUM, "mm2")
13	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $Derivation = EV (258090004, SCT, "Calculated") $TargetSite = EV (122481, DCM, "Contour Start") $Unit = DT (mm, UCUM, "mm")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
14	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $Derivation = EV (258090004, SCT, "Calculated") $TargetSite = EV (122482, DCM, "Contour End") $Unit = DT (mm, UCUM, "mm")
15	>	CONTAINS	INCLUDE	DTID 3218 “Position in Arterial Segment”	1	M		
16	>	CONTAINS	CONTAINER	EV (122517, DCM, "Densitometric Luminal Cross-sectional Area Graph")	1	U		
17	>>	CONTAINS	NUM	EV (122511, DCM, "Graph Increment")	1	M		Value = 1 UNITS = DT ({pixels}, UCUM, "pixels")
18	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	M		$Measurement = EV (397415007, SCT, "Vessel Lumen Cross-Sectional Area") $Unit = (mm2, UCUM, "mm2")
19	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (397415007, SCT, "Vessel Lumen Cross-Sectional Area") $Derivation = EV (258090004, SCT, "Calculated") $Method = EV (122474, DCM, "Densitometric method") $TargetSite = EV (122481, DCM, "Contour Start") $Unit = (mm2, UCUM, "mm2")
20	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (397415007, SCT, "Vessel Lumen Cross-Sectional Area") $Derivation = EV (258090004, SCT, "Calculated") $Method = EV (122474, DCM, "Densitometric method") $TargetSite = EV (122482, DCM, "Contour End") $Unit = (mm2, UCUM, "mm2")
21	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (408716009, SCT, "Stenotic Lesion Length") $Unit = DT (mm, UCUM, "mm")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
22	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (408715008, SCT, "Lumen Diameter Stenosis") $Unit = DT (%, UCUM, "%")
23	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (408714007, SCT, "Lumen Area Stenosis") $Method = DCID 3470 “Vessel Lumen Cross-sectional Area Calculation Methods” $Unit = DT (%, UCUM, "%")
24	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (122372, DCM, "Lumen Volume") $Method = DCID 3470 “Vessel Lumen Cross-sectional Area Calculation Methods” $Unit = DT (mm3, UCUM, "mm3")
25	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122542, DCM, "Plaque Area") $Unit = DT (mm2, UCUM, "mm2")
26	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122376, DCM, "Total Plaque Volume") $Unit = DT (mm3, UCUM, "mm3")
27	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122544, DCM, "Diameter Symmetry") $Unit = DT ({ratio}, UCUM, "ratio")
28	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122545, DCM, "Area Symmetry") $Unit = DT ({ratio}, UCUM, "ratio")
29	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122546, DCM, "Inflow Angle") $Unit = DT (deg, UCUM, "deg")
30	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122547, DCM, "Outflow Angle") $Unit = DT (deg, UCUM, "deg")
31	>	CONTAINS	INCLUDE	DTID 3216 “Stenotic Flow Reserve”	1	U		
32	>	CONTAINS	IMAGE		1	U		

Content Item Descriptions

Row 8	Set of user defined reference position for method that requires local reference position.
Row 9	Distance of local reference position from an arbitrary landmark.
Row 10	Diameter at a local reference position.

Row 11	The reference diameter for the arterial lesion calculated with the applicable reference method
Row 12	The reference area for the arterial lesion calculated with the applicable reference method
Row 13	The diameter measurement at the start of the reconstruction line in the diameter graph (TID 3214 “Analyzed Segment” Row 14)
Row 14	The diameter measurement at the end of the reconstruction line in the diameter graph (TID 3214 “Analyzed Segment” Row 14)
Row 15	The positions of the lesion, borders of the lesion, etc.
Row 16	The graph with the calculated cross sectional area results based on the densitometric method
Row 18	The cross sectional area measurements calculated based on the densitometric method
Row 19	The cross sectional area measurement at the start of the reconstruction line in the area graph
Row 20	The cross sectional area measurement at the end of the reconstruction line in the area graph
Row 21	Measured along the midline of the left and right contour
Row 22	The diameter stenosis is calculated as follows: (Reference Luminal Diameter - Minimum Luminal Diameter / Reference Luminal Diameter) * 100%
Row 23	The circular and the densitometric area stenosis are calculated respectively as: (Reference Vessel Lumen Cross-Sectional Area - Minimum Luminal Circular Area / Reference Vessel Lumen Cross-Sectional Area) * 100%(Reference Vessel Lumen Cross-Sectional Area - Minimum Luminal Densitometric Area / Reference Vessel Lumen Cross-Sectional Area) * 100%
Row 24	Estimated lumen volume between proximal border and distal border of lesion (TID 3218 “Position in Arterial Segment”, row 1 and 2)
Row 32	Secondary Capture image with obstruction analysis contour. No purpose of reference is specified.

TID 3216 Stenotic Flow Reserve

The Stenotic Flow Reserve Template consists of a CONTAINER providing quantitative arterial analysis measurements derived for an obstruction in a total analyzed segment.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3216. Stenotic Flow Reserve

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122548, DCM, "Stenotic Flow Reserve") $Unit = DT ({ratio}, UCUM, "ratio")
2		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122549, DCM, "Poiseuille Resistance") $Unit = DT (mm[Hg].s/cm, UCUM, "mmHG.s/cm")
3		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122550, DCM, "Turbulence Resistance") $Unit = DT (mm[Hg].s2/cm2, UCUM, "mmHG.s2/cm2")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122555, DCM, "Estimated Normal Flow") $Unit = DT (ml/s, UCUM, "ml/s")
5		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122551, DCM, "Pressure Drop at SFR") $Unit = DT (mm[Hg], UCUM, "mmHg")
6		CONTAINS	IMAGE		1	U		

Content Item Descriptions

Row 6	Secondary Capture image with SFR analysis contour. No purpose of reference is specified.

TID 3217 Sub-segmental Data

The Sub-segmental Data Template consists of a CONTAINER providing quantitative arterial analysis measurements derived for a sub-segment in a total analyzed segment.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3217. Sub-Segmental Data

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 3604 “Arterial Lesion Locations”
3	>>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical modifier")	1	U		DCID 3019 “Cardiovascular Anatomic Location Modifiers”
4	>	CONTAINS	CODE	EV (122554, DCM, "Segmentation Method")	1	M		DCID 3456 “Sub-segment Methods”
5	>	CONTAINS	INCLUDE	DTID 3219 “Segment Values”	1	U		
6	>	CONTAINS	INCLUDE	DTID 3218 “Position in Arterial Segment”	1	M		
7	>	CONTAINS	IMAGE		1	U		

Content Item Descriptions

Row 7	Secondary Capture image with obstruction analysis contour. No purpose of reference is specified.

TID 3218 Position in Arterial Segment

The Position in Arterial Segment Template consists of the position Content Items common for the Angiographic Lesion Analysis and Sub-Segmental Data.

Type: **Extensible**

Order: **Significant**
Root: **No**

Table TID 3218. Position in Arterial Segment

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122528, DCM, "Position of Proximal Border") $Unit = DT (mm, UCUM, "mm")
2		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122529, DCM, "Position of Distal Border") $Unit = DT (mm, UCUM, "mm")
3		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122382, DCM, "Site of Luminal Minimum") $Unit = DT (mm, UCUM, "mm")
4		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122516, DCM, "Site of Luminal Maximum") $Unit = DT (mm, UCUM, "mm")
5		CONTAINS	NUM	EV (122528, DCM, "Position of Proximal Border")	1	UC	IFF TID 3214 “Analyzed Segment” Row 14 is present	UNITS = DT ({pixels}, UCUM, "pixels")
6		CONTAINS	NUM	EV (122529, DCM, "Position of Distal Border")	1	UC	IFF TID 3214 “Analyzed Segment” Row 14 is present	UNITS = DT ({pixels}, UCUM, "pixels")
7		CONTAINS	NUM	EV (122382, DCM, "Site of Luminal Minimum")	1	UC	IFF TID 3214 “Analyzed Segment” Row 14 is present	UNITS = DT ({pixels}, UCUM, "pixels")
8		CONTAINS	NUM	EV (122516, DCM, "Site of Luminal Maximum")	1	UC	IFF TID 3214 “Analyzed Segment” Row 14 is present	UNITS = DT ({pixels}, UCUM, "pixels")

Content Item Descriptions

Row 1, 2, 3, 4	Positions are relative to the midpoint of the first left and right contour points and measured along the midline of the left and right contour
Row 5, 6, 7, 8	The positions are relative to the measurement locations of the Diameter Graph of TID 3214 “Analyzed Segment” row 14.

TID 3219 Segment Values

The Segment Values Template consists of Content Items providing quantitative arterial analysis measurements for a total analyzed segment or sub segment.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3219. Segment Values

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122510, DCM, "Length Luminal Segment") $Unit = DT (mm, UCUM, "mm")
2		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $Derivation = EV (255605001, SCT, "Minimum") $Unit = DT (mm, UCUM, "mm")
3		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $Derivation = EV (56851009, SCT, "Maximum") $Unit = DT (mm, UCUM, "mm")
4		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $Derivation = EV (373098007, SCT, "Mean") $Unit = DT (mm, UCUM, "mm")
5		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (397413000, SCT, "Vessel Luminal Diameter") $Derivation = EV (386136009, SCT, "Standard Deviation") $Unit = DT (mm, UCUM, "mm")

Content Item Descriptions

Row 1	Measured along the midline of the left and right contour.

IVUS Report Templates

The Templates that comprise the IVUS Report within the Evidence Report IOD are interconnected as shown in Figure A-5.

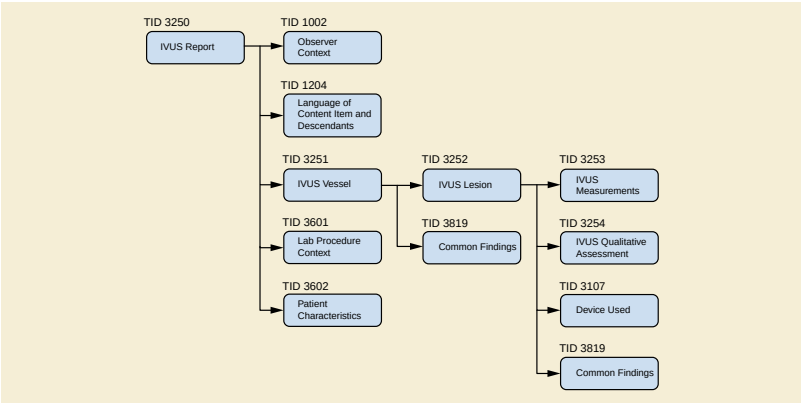

Figure A-5. IVUS Report Template Hierarchy

TID 3250 IVUS Report

The IVUS Report Template is the root structure for the representation of IVUS measurements acquired during a catheterization procedure.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 3250. IVUS Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122325, DCM, "IVUS Report")	1	M		Root node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	U		
4	>		INCLUDE	DTID 3601 “Procedure Context”	1	U		
5	>	CONTAINS	INCLUDE	DTID 3602 “Cardiovascular Patient Characteristics”	1	U		
6	>	CONTAINS	CONTAINER	EV (111028, DCM, "Image Library")	1	U		
7	>>	CONTAINS	IMAGE		1-n	U		
8	>	CONTAINS	INCLUDE	DTID 3251 “IVUS Vessel”	1-n	M		

Content Item Descriptions

Row 7	No purpose of reference is specified.

TID 3251 IVUS Vessel

The IVUS Vessel Template provides a structure for grouping one or more lesions analyzed and/or treated during a single phase of a catheterization procedure, according to vessel (or arterial location).

Type: **Extensible**
Order: **Significant**

Root: **No**

Table TID 3251. IVUS Vessel

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	U		DCID 3604 “Arterial Lesion Locations”
3	>>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical modifier")	1	U		DCID 3019 “Cardiovascular Anatomic Location Modifiers”
4	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	UC	IFF anatomy has laterality	DCID 244 “Laterality”
5	>	HAS ACQ CONTEXT	CODE	EV (129085009, SCT, "Catheterization Procedure Phase")	1	U		DCID 3480 “IVUS Procedure Phases”
6	>	CONTAINS	CODE	EV (122134, DCM, "Vessel Morphology")	1-n	U		CID 3712 “Vessel Descriptors”
7	>	CONTAINS	INCLUDE	DTID 3819 “Common Findings”	1-n	U		
8	>	CONTAINS	CODE	EV (115, NCDR [2.0b], "Dissection in segment")	1	U		DCID 230 “Yes-No”
9	>	CONTAINS	INCLUDE	DTID 3252 “IVUS Lesion”	1-n	U		

TID 3252 IVUS Lesion

The IVUS Lesion Template provides a structure for grouping measurements and observations made on a single lesion during an Intravascular Ultrasound Procedure.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3252. IVUS Lesion

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (300577008, SCT, "Lesion Finding")	1	M		
2	>	HAS OBS CONTEXT	TEXT	EV (121151, DCM, "Lesion Identifier")	1	M		Up to 3 numeric characters
3	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1-n	U		DCID 3604 “Arterial Lesion Locations”
4	>>>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical modifier")	1	U		DCID 3019 “Cardiovascular Anatomic Location Modifiers”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	HAS ACQ CONTEXT	INCLUDE	DTID 3107 “Device Used”	1-n	U		
6	>	CONTAINS	INCLUDE	DTID 3253 “IVUS Measurements”	1	MC	One or both of rows 6 & 7 must be present	
7	>	CONTAINS	INCLUDE	DTID 3254 “IVUS Qualitative Assessments”	1	MC	One or both of rows 6 & 7 must be present	
8	>	CONTAINS	INCLUDE	DTID 3819 “Common Findings”	1-n	U		

Content Item Descriptions

Row 2	Lesion Identifier is specified as a numeric text string in order to facilitate trans-coding to DICOM Attribute (0018,3105) Lesion Number and to formats for outcomes registries, such as the ACC National Cardiovascular Data Registry™. Note Also see TID 3105 “Lesion Identification and Properties”.
Row 3	Finding site may span multiple segments with the proximal and distal extent specified by separate items. These may not be totally contained with the segment specified at the Vessel level.

TID 3253 IVUS Measurements

The IVUS measurements Template groups together simple distance, area and angle measurements, along with derived measurements that made during an IVUS procedure. Refer to the " *ACC Clinical Expert Consensus Document on Standards for Acquisition, measurement and Reporting of Intravascular Ultrasound Studies (IVUS)* "for more information.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3253. IVUS Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3481 “IVUS Distance Measurements” $Units = EV (mm, UCUM, "mm") $Derivation = DCID 3488 “Min/Max/Mean” $TargetSite = BCID 3486 “Vascular Measurement Sites”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2			INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3482 “IVUS Area Measurements” $Units = EV (mm2, UCUM, "mm2") $Derivation = DCID 3488 “Min/Max/Mean” $TargetSite = BCID 3486 “Vascular Measurement Sites”
3			INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3483 “IVUS Longitudinal Measurements” $Units = EV (mm, UCUM, "mm")
4			INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (122355, DCM, "Arc of Calcium") $Units = EV (deg, UCUM, "degrees") $TargetSite = BCID 3486 “Vascular Measurement Sites”
5			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (408714007, SCT, "Lumen Area Stenosis") $Units = EV (%, UCUM, "%")
6			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122354, DCM, "Plaque Burden") $Units = EV (%, UCUM, "%") $TargetSite = BCID 3486 “Vascular Measurement Sites”
7			INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3484 “IVUS Indices and Ratios” $Units = EV ({ratio}, UCUM, "ratio") $TargetSite = BCID 3486 “Vascular Measurement Sites”
8			INCLUDE	DTID 3255 “IVUS Volume Measurement”	1-n	U		
9			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122339, DCM, "Stent Volume Obstruction") $Units = EV (%, UCUM, "%")

TID 3254 IVUS Qualitative Assessments

The IVUS Qualitative Assessments Template groups together the qualitative properties of a lesion that are observed during an IVUS procedure. Refer to the "ACC Clinical Expert Consensus Document on Standards for Acquisition, measurement and Reporting of Intravascular Ultrasound Studies (IVUS) " for more information.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3254. IVUS Qualitative Assessments

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (122133, DCM, "Lesion Morphology")	1-n	U		DCID 3491 “IVUS Lesion Morphologies”
2			CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3494 “IVUS Non Morphological Findings”
3	>		INCLUDE	DTID 1350 “Negation Modifier, Presence of Finding”	1	U		
4			CODE	EV (121071, DCM, "Finding")	1	U		EV (710864009, SCT, "Arterial Dissection")
5	>	HAS CONCEPT MOD	CODE	EV (122387, DCM, "Dissection Classification")	1	U		DCID 3492 “Vascular Dissection Classifications”
6	>		INCLUDE	DTID 1350 “Negation Modifier, Presence of Finding”	1	U		
7			CODE	EV (122391, DCM, "Relative Stenosis Severity")	1	U		DCID 3493 “IVUS Relative Stenosis Severities”
8			CODE	EV (108, NCDR [2.0b], "Previously Dilated Lesion ")	1	U		DCID 3750 “Previously Dilated Lesion”
9			CODE	EV (121071, DCM, "Finding")	1	U		EV (122393, DCM, "Restenotic Lesion")
10	>		INCLUDE	DTID 1350 “Negation Modifier, Presence of Finding”	1	U		
11			CODE	EV (111009, DCM, "Calcification Type")	1	U		DCID 3489 “Calcium Distribution”

TID 3255 IVUS Volume Measurement

The IVUS Volume Measurement Template contains information describing an IVUS Volumetric measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3255. IVUS Volume Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = DCID 3485 “IVUS Volume Measurements” $Units = EV (mm3, UCUM, "mm3") $TargetSite = BCID 3487 “Intravascular Volumetric Regions”
2	>	HAS PROPERTIES	NUM	EV (122336, DCM, "Vascular Volume measurement length")	1	U		UNITS = DT (mm, UCUM, "mm")
3	>	HAS PROPERTIES	NUM	EV (122337, DCM, "Relative position")	1	U		UNITS = DT (mm, UCUM, "mm")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>>	HAS CONCEPT MOD	CODE	EV (122340, DCM, "Fiducial feature")	1	M		DCID 3496 “IVUS Fiducial Points”

Stress Testing Report Templates

TID 3300 Stress Testing Report

The Stress Testing Report Template is the root structure for the representation of measurements and findings of a stress testing procedure.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 3300. Stress Testing Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (18752-6, LN, "Stress Testing Report")	1	M		Root node
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		DCID 3200 “Stress Test Procedure”
3	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
4	>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	M		
5	>	CONTAINS	CONTAINER	EV (18785-6, LN, "Indications for Procedure")	1	U		
6	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3201 “Indications for Stress Test”
7	>>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1	U		
8	>	CONTAINS	INCLUDE	DTID 3602 “Cardiovascular Patient Characteristics”	1	M		
9	>	CONTAINS	INCLUDE	DTID 3802 “Cardiovascular Patient History”	1	U		
10	>	CONTAINS	INCLUDE	DTID 3301 “Stress Test Procedure Description”	1	M		
11	>	CONTAINS	INCLUDE	DTID 3303 “Stress Test Phase Data”	1-n	M		
12	>	CONTAINS	INCLUDE	DTID 3311 “Stress Test Summary”	1	U		
13	>	CONTAINS	INCLUDE	DTID 3318 “Comparison to Prior Stress Exam”	1	U		
14	>	CONTAINS	INCLUDE	DTID 3320 “Conclusions and Recommendations”	1	U		

TID 3301 Stress Test Procedure Description

Type: **Extensible**

Order: **Significant**
Root: **No**

Table TID 3301. Stress Test Procedure Description

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (55111-9, LN, "Current Procedure Descriptions")	1	M		
2	>	CONTAINS	CODE	DT (109056, DCM, "Stress Protocol")	1	U		BCID 3261 “Stress Protocols”
3	>	CONTAINS	TEXT	DT (109056, DCM, "Stress Protocol")	1	U		
4	>	CONTAINS	CODE	DT (10:11345, MDC, "Lead System")	1	U		BCID 3263 “Electrode Placement Values”
5	>	CONTAINS	CODE	DT (111045004, SCT, "Exerciser Device")	1	U		BCID 3203 “Exerciser Device”
6	>	CONTAINS	CODE	DT (246489000, SCT, "Pharmacological Stress Agent")	1	MC	IFF Pharmacological Stress used	BCID 3204 “Stress Agents”
7	>	CONTAINS	CONTAINER	EV (122700, DCM, "Indications for Pharmacological Stress")	1	MC	IFF Pharmacological Stress used	
8	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3205 “Indications for Pharmacological Stress Test”
9	>	CONTAINS	CODE	DT (363679005, SCT, "Imaging procedure")	1	MC	IFF imaging used in procedure	DCID 3206 “Non-invasive Cardiac Imaging Procedures”
10	>	CONTAINS	CODE	DT (125203, DCM, "Acquisition Protocol")	1	UC	IFF Nuclear imaging	DCID 3110 “Nuclear Cardiology Protocols”
11	>	CONTAINS	CODE	DT (125203, DCM, "Acquisition Protocol")	1	UC	IFF PET imaging	DCID 3106 “PET Cardiology Protocols”
12	>	CONTAINS	TEXT	DT (121141, DCM, "Image Type")	1	UC	IFF Nuclear or PET imaging	STATIC, DYNAMIC, or GATED.
13	>	CONTAINS	CODE	DT (RID11248, RADLEX, "Cardiac Gating")	1	U		DCID 3104 “Cardiac Synchronization Technique”
14	>	CONTAINS	CODE	DT (125203, DCM, "Acquisition Protocol")	1	UC	IFF Contrast echocardiography	DT (433231002, SCT, "Contrast echocardiography")
15	>	CONTAINS	CODE	DT (113743, DCM, "Patient Orientation")	1	U		DCID 19 “Patient Orientation”
16	>>	HAS CONCEPT MOD	CODE	EV (113744, DCM, "Patient Orientation Modifier")	1	U		DCID 20 “Patient Orientation Modifier”
17	>	CONTAINS	TEXT	DT (121065, DCM, "Procedure Description")	1	U		
18	>	CONTAINS	DATETIME	DT (122701, DCM, "Procedure Time Base")	1	U		

Content Item Descriptions

Row 12	Image Type may be copied from the NM Image SOP Instance attribute Image Type (0008,0008) value 3, or from the PET Image SOP Instance attribute Series Type (0054,1000).
Row 18	The Procedure Time Base is the time from which elapsed times are measured. The Study Time (0008,0030) may include the patient prep period, while this Procedure Time Base is typically established when baseline data collection begins.

TID 3303 Stress Test Phase Data

The Stress Test Phase Data Template provides a structure for measurements acquired during a single procedure phase.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3303. Stress Test Phase Data

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, "Findings")	1	M		
2	>	HAS ACQ CONTEXT	CODE	EV (128954007, SCT, "Procedure phase")	1	MC	XOR row 3	BCID 3207 “Stress Test Procedure Phases”
3	>	HAS ACQ CONTEXT	CODE	EV (128954007, SCT, "Procedure phase")	1	MC	IFF Nuclear Imaging; XOR row 2	DCID 3101 “Cardiac Procedural State Values”
4	>	HAS ACQ CONTEXT	TEXT	EV (128954007, SCT, "Procedure phase")	1	U		
5	>	CONTAINS	INCLUDE	DTID 3301 “Stress Test Procedure Description”	1	MC	IFF protocol changed from initial specification	
6	>	HAS ACQ CONTEXT	NUM	EV (109055, DCM, "Protocol Stage")	1	U		UNITS = DT ({stage}, UCUM, "stage")
7	>	CONTAINS	INCLUDE	DTID 3304 “Stress Test Measurement Group”	1-n	U		
8	>	CONTAINS	INCLUDE	DTID 3307 “NM/PET Perfusion Measurement Group”	1	MC	IFF Nuclear or PET Imaging	
9	>	CONTAINS	INCLUDE	DTID 3309 “Stress Echo Measurement Group”	1	UC	IFF Echocardiography Imaging	

Content Item Descriptions

Row 1	The Container shall have a specific Content Item Observation DateTime (0040,A032) attribute to indicate the time at which the phase began.

TID 3304 Stress Test Measurement Group

Each instance of the Stress Test Measurement Group represents a group of data elements acquired at approximately the same instant, and conventionally rendered as row in a tabular presentation. It is typically generated during the Stress exam whenever a time interval

elapses (for example, every minute of the phase), when a technician observes data worth capturing, or when measurements exceed a given range.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3304. Stress Test Measurement Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, "Findings")	1	M		
2	>	CONTAINS	NUM	DT (252131008, SCT, "Time since start of exam")	1	M		UNITS = DT (min, UCUM, "min")
3	>	CONTAINS	NUM	DT (122710, DCM, "Time since start of stage")	1	M		UNITS = DT (min, UCUM, "min")
4	>	CONTAINS	NUM	DT (122702, DCM, "Treadmill speed")	1	U		UNITS = DCID 3212 “Treadmill Speed”
5	>	CONTAINS	NUM	DT (122703, DCM, "Treadmill gradient")	1	U		UNITS = EV (%, UCUM, "%")
6	>	CONTAINS	NUM	DT (122704, DCM, "Ergometer power")	1	U		UNITS = EV (W, UCUM, "Watts")
7	>	CONTAINS	NUM	DT (122709, DCM, "Activity workload")	1	U		UNITS = DT ([MET], UCUM, "METS")
8	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DT (122706, DCM, "Rating of Perceived Exertion") $Method = BCID 3239 “Perceived Exertion Scales”
9	>	CONTAINS	NUM	DT (122705, DCM, "Pharmacological Stress Agent Dose Rate")	1	MC	IFF Pharmacological Stress used	UNITS = EV (ug/kg/min, UCUM, "ug/kg/min")
10	>	CONTAINS	INCLUDE	DTID 3106 “Drugs/Contrast Administered”	1	U		
11	>	CONTAINS	NUM	EV (8867-4, LN, "Heart Rate")	1	U		UNITS = EV ({H.B.}/min, UCUM, "BPM")
12	>	CONTAINS	NUM	EV (271649006, SCT, "Systolic Blood Pressure")	1	U		UNITS = DCID 3500 “Pressure Units”
13	>	CONTAINS	NUM	EV (271650006, SCT, "Diastolic Blood Pressure")	1	U		UNITS = DCID 3500 “Pressure Units”
14	>	CONTAINS	NUM	DT (122707, DCM, "Number of Ectopic Beats")	1	U		UNITS = EV ({beats}, UCUM, "beats")
15	>>	HAS PROPERTIES	NUM	DT (260867005, SCT, "Period of collection")	1	M		UNITS = DT (min, UCUM, "min")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
16	>>	HAS PROPERTIES	CODE	EV (116676008, SCT, "Associated Morphology")	1-n	U		BCID 3234 “Ectopic Beat Morphology”
17	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DT (164931005, SCT, "ST Elevation") $Units = DT (mV, UCUM, "mV") $TargetSite = DCID 3001 “ECG Leads”
18	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DT (429622005, SCT, "ST Depression") $Units = DT (mV, UCUM, "mV") $TargetSite = DCID 3001 “ECG Leads”
19	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3228 “ECG Timing Measurements” $Units = DT (ms, UCUM, "ms") $TargetSite = DCID 3001 “ECG Leads”
20	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3227 “QTc Measurements” $Units = DT (ms, UCUM, "ms") $TargetSite = DCID 3001 “ECG Leads” $Equation = DCID 3678 “QT Correction Algorithms”
21	>>	INFERRED FROM	NUM	DT (2:16000, MDC, "RR Interval for QTc")	1	U		UNITS = DT (ms, UCUM, "ms")
22	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3229 “ECG Axis Measurements” $Units = DT (deg, UCUM, "deg")
23	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DCID 3526 “Blood Gas Saturation” $Units = EV (%, UCUM, "%")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
24	>	CONTAINS	NUM	DT (122708, DCM, "Double Product")	1	U		UNITS = DT (mm[Hg].{H.B.}/min, UCUM, "mmHg.BPM")
25	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3220 “Stress Symptoms”
26	>	CONTAINS	CODE	EV (271921002, SCT, "ECG Finding")	1-n	U		DCID 3230 “ECG Findings”
27	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

Content Item Descriptions

Row 1	The Container shall have a specific Content Item Observation DateTime (0040,A032) attribute to indicate the time at which the measurements were made.
Row 10	Included TID 3106 “Drugs/Contrast Administered” allows the recording of test medications other than the Pharmacological Stress Agent identified in TID 3301 “Stress Test Procedure Description”.
Rows 17, 18	ECG ST elevation/depression is measured in units of mV, but is conventionally reported in units of mm, based on strip recordings with scaling of 100 uV/mm. The display application should render these measurements in units meaningful to the user.
Row 19	Note that the MDC codes for "per lead" measurements specified in CID 3228 “ECG Timing Measurements” are base codes for post-coordination with lead identifiers conveyed in the Target Site modifier in TID 300 “Measurement”. MDC also defines pre-coordinated codes that include both the measurement and the lead, which may be used in this row.
Row 20	Note that the MDC code for "QTc interval per lead" specified in CID 3227 “QTc Measurements” is a base code for post-coordination with lead identifiers conveyed in the Target Site modifier in TID 300 “Measurement”. MDC also defines pre-coordinated codes that include both the measurement and the lead, which may be used in this row. Note that TID 300 “Measurement” enables the encoding of a non-standard correction algorithm, either as a local code, or as a TEXT Method Citation (see TID 300 “Measurement” row 12).
Row 21	R-R interval used for QT correction algorithm
Row 22	Recommended range for ECG axis measurements is -90° to +270°

TID 3307 NM/PET Perfusion Measurement Group

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3307. NM/PET Perfusion Measurement Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		DCID 3108 “NM/PET Procedures”
3	>	CONTAINS	CODE	EV (417881006, SCT, "Radiopharmaceutical agent")	1	M		DCID 3111 “Nuclear Cardiology Radiopharmaceuticals”
4	>	CONTAINS	NUM	EV (123006, DCM, "Radionuclide Total Dose")	1	M		DCID 3083 “Units of Radioactivity”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	CONTAINS	DATETIME	EV (123003, DCM, "Radiopharmaceutical Start DateTime")	1	M		
6	>	CONTAINS	NUM	DT (122711, DCM, "Exercise duration after stress agent injection")	1	U		UNITS = DT (min, UCUM, "min")
7	>	CONTAINS	DATETIME	EV (122712, DCM, "Imaging Start DateTime")	1	M		
8	>	CONTAINS	CODE	EV (122713, DCM, "Attenuation correction")	1	U		BCID 3112 “Attenuation Correction”
9	>>	HAS PROPERTIES	CODE	EV (111001, DCM, "Algorithm Name")	1	U		BCID 3117 “Attenuation Correction Methods”
10	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		BCID 3113 “Types of Perfusion Defects”
11	>>	HAS PROPERTIES	CODE	EV (363698007, SCT, "Finding Site")	1	M		BCID 3717 “Myocardial Wall Segments”
12	>>	HAS PROPERTIES	CODE	EV (112025, DCM, "Size Descriptor")	1	M		BCID 252 “S-M-L Size Descriptor”
13	>>	HAS PROPERTIES	CODE	EV (246112005, SCT, "Severity")	1	M		BCID 3716 “Severity”
14	>	CONTAINS	CODE	EV (250907009, SCT, "Left Ventricular Function")	1	U		BCID 3119 “LV Function”
15	>>	HAS PROPERTIES	CODE	EV (246112005, SCT, "Severity")	1	U		BCID 3716 “Severity”
16	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (10230-1, LN, "LV Ejection Fraction") $Units = EV (%, UCUM, "%") $Derivation = DT (258090004, SCT, "Calculated")
17	>	CONTAINS	CODE	EV (250924003, SCT, "Left Ventricular Size")	1	U		BCID 3122 “Ventricular Enlargement”
18	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (8821-1, LN, "Left Ventricular ED Volume") $Units = EV (ml, UCUM, "ml")
19	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (8823-7, LN, "Left Ventricular ES Volume") $Units = EV (ml, UCUM, "ml")
20	>	CONTAINS	INCLUDE	DTID 5204 “Wall Motion Analysis”	1	U		$Procedure = DCID 3108 “NM/PET Procedures”

TID 3309 Stress Echo Measurement Group

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3309. Stress Echo Measurement Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		DT (40701008, SCT, "Echocardiography")
3	>	CONTAINS	INCLUDE	DTID 5203 “Echo Measurement”	1-n	U		$Measurement = DCID 12200 “Echocardiography Left Ventricle” $Method = CID 12227 “Echocardiography Measurement Method”
4	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	MC	IF Row 3 measurement concept is in CID 12222 “Orifice Flow Properties”	EV (87878005, SCT, "Left Ventricle")
5	>	CONTAINS	INCLUDE	DTID 5203 “Echo Measurement”	1-n	U		$Measurement = DCID 12211 “Echocardiography Aortic Valve” $Method = CID 12227 “Echocardiography Measurement Method”
6	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	MC	IF Row 5 measurement concept is in CID 12222 “Orifice Flow Properties”	EV (34202007, SCT, "Aortic Valve")
7	>	CONTAINS	INCLUDE	DTID 5203 “Echo Measurement”	1-n	U		$Measurement = DCID 12207 “Echocardiography Mitral Valve” $Method = CID 12227 “Echocardiography Measurement Method”
8	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	MC	IF Row 7 measurement concept is in CID 12222 “Orifice Flow Properties”	EV (91134007, SCT, "Mitral Valve")
9	>	CONTAINS	INCLUDE	DTID 5203 “Echo Measurement”	1-n	U		$Measurement = DCID 12208 “Echocardiography Tricuspid Valve” $Method = CID 12227 “Echocardiography Measurement Method”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
10	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	MC	IF Row 9 measurement concept is in CID 12222 “Orifice Flow Properties”	EV (46030003, SCT, "Tricuspid Valve")
11	>	CONTAINS	INCLUDE	DTID 5204 “Wall Motion Analysis”	1	U		$Procedure = DT (35757004, SCT, "Echocardiography for Determining Ventricular Contraction")

Content Item Descriptions

Rows 3-10	These invocations of TID 5203 “Echo Measurement” do not include an inherited Findings Site concept, for example as in the invocations of TID 5203 “Echo Measurement” from TID 5202 “Echo Section”. Echo measurements that do not have the associated Finding Site pre-coordinated in the measurement concept (i.e., the orifice flow measurements of CID 12222 “Orifice Flow Properties”), shall have the Finding Site explicitly post-coordinated with a Concept Modifier (Rows 4, 6, 8, and 10). This Template does not include the concept of an Image Library, for example as used in TID 5200 “Echocardiography Procedure Report”. Image Content Items in the Echo Measurement Template shall be included with by-value relationships, not with by-reference relationships.

TID 3311 Stress Test Summary

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3311. Stress Test Summary

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121111, DCM, "Summary")	1	M		
2	>	CONTAINS	TEXT	EV (121111, DCM, "Summary")	1	U		
3	>	CONTAINS	INCLUDE	DTID 3312 “Physiological Summary”	1	U		
4	>	CONTAINS	INCLUDE	DTID 3313 “Stress ECG Summary”	1	U		
5	>	CONTAINS	INCLUDE	DTID 3317 “Stress Imaging Summary”	1	U		
6	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		EV (300995000, SCT, "Exercise-induced angina")
7	>>		INCLUDE	DTID 1350 “Negation Modifier, Presence of Finding”	1	M		
8	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3220 “Stress Symptoms”
9	>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1	U		
10	>	CONTAINS	CODE	DT (246101005, SCT, "Reason for stopping test")	1	U		DCID 3221 “Stress Test Termination Reasons”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
11	>	CONTAINS	NUM	DT (122715, DCM, "Pharmacological Stress Agent Dose")	1	U		DT (mg/kg, UCUM, "mg/kg")

Content Item Descriptions

Rows 6-7	These rows allow an explicit finding of presence or absence of exercise-induced angina through the TID 1350 “Negation Modifier, Presence of Finding” Concept Modifier "Presence of property"

TID 3312 Physiological Summary

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3312. Physiological Summary

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	DT (40443-4, LN, "Resting Heart Rate")	1	M		UNITS = DT ({H.B.}/min, UCUM, "BPM")
2			NUM	EV (271649006, SCT, "Systolic Blood Pressure")	1	M		UNITS = DCID 3500 “Pressure Units”
3	>	HAS CONCEPT MOD	CODE	EV (109054, DCM, "Patient State")	1	M		DT (128975004, SCT, "Resting State")
4			NUM	EV (271650006, SCT, "Diastolic Blood Pressure")	1	M		UNITS = DCID 3500 “Pressure Units”
5	>	HAS CONCEPT MOD	CODE	EV (109054, DCM, "Patient State")	1	M		DT (128975004, SCT, "Resting State")
6			NUM	DT (428420003, SCT, "Target HR")	1	M		UNITS = DT ({H.B.}/min, UCUM, "BPM")
7			NUM	DT (428630002, SCT, "Maximum HR Achieved")	1	M		UNITS = DT ({H.B.}/min, UCUM, "BPM")
8			NUM	DT (428630002, SCT, "Maximum HR Achieved")	1	M		UNITS = EV (%, UCUM, "%")
9	>	HAS CONCEPT MOD	CODE	EV (121425, DCM, "Index")	1	M		DT (428420003, SCT, "Target HR")
10			NUM	DT (122716, DCM, "Maximum Power Output Achieved")	1	U		UNITS = DT (W, UCUM, "Watts")
11			NUM	DT (122717, DCM, "Peak activity workload")	1	U		UNITS = DT ([MET], UCUM, "METS")
12			CODE	DT (428531008, SCT, "HR Response")	1	U		DCID 3210 “Speed of Response”
13			NUM	DT (314439003, SCT, "Maximum systolic blood pressure")	1	U		UNITS = DCID 3500 “Pressure Units”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
14			NUM	DT (314452008, SCT, "Maximum diastolic blood pressure")	1	U		UNITS = DCID 3500 “Pressure Units”
15			CODE	DT (427732000, SCT, "BP Response")	1	U		DCID 3210 “Speed of Response”
16			NUM	DT (122718, DCM, "Peak Double Product")	1	U		UNITS = DT (mm[Hg].{H.B.}/min, UCUM, "mmHg.BPM")
17			NUM	DT (252130009, SCT, "Total Exercise duration")	1	U		UNITS = DT (min, UCUM, "min")
18			NUM	DT (252129004, SCT, "Total test duration")	1	U		UNITS = DT (min, UCUM, "min")
19			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DT (429160000, SCT, "Functional capacity")
20			TEXT	DT (429160000, SCT, "Functional capacity")	1	U		
21			INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (122760, DCM, "Stress test score") $Method = BCID 3238 “Stress Scoring Scales”
22			NUM	DT (429157007, SCT, "Heart rate recovery time")	1	U		UNITS = DT (s, UCUM, "s")
23			CODE	EV (121071, DCM, "Finding")	1-n	U		BCID 3213 “Stress Hemodynamic Findings”
24			CODE	EV (395112001, SCT, "Cardiovascular event risk")	1	U		BCID 3118 “Level of Risk”

Content Item Descriptions

Row 22	Numerical scoring of a patient's functional capacity shall include the range of the scoring system in the Units of Measurement (see Section 7.2.2), and may include a coded identifier for the scoring system in the Method concept modifier of TID 300 “Measurement”.

TID 3313 Stress ECG Summary

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3313. Stress ECG Summary

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (271921002, SCT, "ECG Finding")	1	U		Device Generated Test Summary
2	>	HAS OBS CONTEXT	CODE	EV (121005, DCM, "Observer Type")	1	M		EV (121007, DCM, "Device")
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1004 “Device Observer Identifying Attributes”	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4			INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (164931005, SCT, "ST Elevation") $Units = DT (mV, UCUM, "mV") $Derivation = EV (56851009, SCT, "Maximum") $TargetSite = DCID 3001 “ECG Leads”
5			INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (429622005, SCT, "ST Depression") $Units = DT (mV, UCUM, "mV") $Derivation = EV (56851009, SCT, "Maximum") $TargetSite = DCID 3001 “ECG Leads”
6			INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (428550008, SCT, "T wave alternans") $Units = DT (uV, UCUM, "uV") $Derivation = EV (56851009, SCT, "Maximum") $TargetSite = DCID 3001 “ECG Leads”
7			CODE	EV (365416000, SCT, "ST Segment Finding")	1	U		BCID 3231 “ST Segment Findings”
8	>	HAS PROPERTIES	CODE	EV (363698007, SCT, "Finding Site")	1-n	U		BCID 3232 “ST Segment Location”
9	>	HAS PROPERTIES	CODE	EV (116676008, SCT, "Associated Morphology")	1	U		BCID 3233 “ST Segment Morphology”
10			NUM	DT (122707, DCM, "Number of Ectopic Beats")	1	U		UNITS = EV ({beats}, UCUM, "beats")
11	>	HAS PROPERTIES	CODE	EV (116676008, SCT, "Associated Morphology")	1-n	U		BCID 3234 “Ectopic Beat Morphology”
12			CODE	DT (8884-9, LN, "Cardiac Rhythm")	1-2	U		BCID 3415 “Cardiac Rhythms”
13	>	HAS CONCEPT MOD	CODE	EV (109054, DCM, "Patient State")	1	M		DCID 3102 “Rest-Stress”
14			CODE	EV (271921002, SCT, "ECG Finding")	1-n	U		BCID 3230 “ECG Findings”
15	>	HAS CONCEPT MOD	CODE	EV (109054, DCM, "Patient State")	1	U		BCID 3262 “ECG Patient State Values”

Content Item Descriptions

Rows 4-14	Each observation (measurement or finding) may have a specific Content Item Observation DateTime attribute to indicate the time in the procedure at which the observation was made (e.g., time of maximum heart rate, or time of occurrence of an arrhythmia).
Row 12-13	This Concept and the associated Concept Modifier may be instantiated twice, once for resting state measurements, once for stress.

TID 3317 Stress Imaging Summary

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3317. Stress Imaging Summary

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	DT (122739, DCM, "Overall study quality")	1	M		BCID 3114 “Study Quality”
2			CODE	DT (113010, DCM, "Quality Issue")	1	U		BCID 3115 “Stress Imaging Quality Issues”
3			CODE	EV (121071, DCM, "Finding")	1	U		BCID 3116 “NM Extracardiac Findings”
4			INCLUDE	DTID 300 “Measurement”	1-2	U		$Measurement = DT (427751006, SCT, "Perfusion defect extent") $ModType = EV (109054, DCM, "Patient State") $ModValue = DCID 3102 “Rest-Stress” $Units = EV (%, UCUM, "%")
5			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DT (429162008, SCT, "Stress ischemia extent") $Units = EV (%, UCUM, "%")
6			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DT (122762, DCM, "Number of diseased vessel territories") $Units = EV ({territories}, UCUM, "territories")
7			CODE	EV (121071, DCM, "Finding")	1	U		EV (53741008, SCT, "Coronary artery disease")
8	>	HAS PROPERTIES	CODE	EV (363698007, SCT, "Finding Site")	1-n	M		BCID 3016 “Major Coronary Arteries”
9			CODE	EV (251053005, SCT, "Myocardial perfusion")	1-2	U		BCID 3120 “Perfusion Findings”
10	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		BCID 3463 “Ventricle Identification”
11	>	HAS PROPERTIES	CODE	EV (116676008, SCT, "Associated Morphology")	1	U		BCID 3121 “Perfusion Morphology”
12			CODE	EV (121071, DCM, "Finding")	1	U		DT (429710001, SCT, "Transient cavitary dilatation")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
13	>		INCLUDE	DTID 1350 “Negation Modifier, Presence of Finding”	1	U		
14			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DT (428832008, SCT, "Transient cavitary dilatation ratio") $Units = EV ({ratio}, UCUM, "ratio")
15			INCLUDE	DTID 300 “Measurement”	1-2	U		$Measurement = EV (10230-1, LN, "LV Ejection Fraction") $ModType = EV (109054, DCM, "Patient State") $ModValue = DCID 3102 “Rest-Stress” $Units = EV (%, UCUM, "%")

Content Item Descriptions

Row 4	This row may be instantiated twice, once for resting state measurements, once for stress.
Row 15	The LVEF code specified in this row is defined in LOINC with method "imaging". LVEF measurement by ultrasound may also be encoded elsewhere in the Content Tree (e.g., in TID 3309 “Stress Echo Measurement Group”) with LOINC code 18043-0, which has method "ultrasound". It is recommended that such findings from the per-phase measurements be summarized here with the generic "LVEF by Imaging" concept code.

TID 3318 Comparison to Prior Stress Exam

This Template describes changes in findings from a prior stress exam. Comparison is to only one prior exam, even though the generic concept name for the Template uses the plural "exams".

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3318. Comparison to Prior Stress Exam

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111424, DCM, "Comparison to previous exams")	1	M		
2	>	CONTAINS	CODE	DT (121058, DCM, "Procedure Reported")	1	U		DCID 3200 “Stress Test Procedure”
3	>>	HAS PROPERTIES	DATETIME	EV (122146, DCM, "Procedure DateTime")	1	U		
4	>>	HAS PROPERTIES	UIDREF	EV (121018, DCM, "Procedure Study Instance UID")	1	U		
5	>>	HAS PROPERTIES	COMPOSITE	EV (122075, DCM, "Prior report for current patient")	1-n	U		
6	>	CONTAINS	CODE	DT (248243004, SCT, "Exercise tolerance")	1	U		BCID 3236 “Tolerance Comparison Findings”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
7	>	CONTAINS	CODE	DT (251053005, SCT, "Myocardial Perfusion")	1	U		BCID 3235 “Perfusion Comparison Findings”
8	>>	HAS CONCEPT MOD	CODE	EV (370129005, SCT, "Measurement Method")	1-n	U		BCID 3215 “Perfusion Finding Method”
9	>	CONTAINS	CODE	DT (250909007, SCT, "LV Wall motion")	1-n	U		BCID 3237 “Wall Motion Comparison Findings”
10	>>	HAS CONCEPT MOD	CODE	EV (109054, DCM, "Patient State")	1	M		DCID 3102 “Rest-Stress”
11	>	CONTAINS	CODE	EV (111424, DCM, "Comparison to previous exams")	1	U		BCID 3217 “Comparison Finding”
12	>	CONTAINS	NUM	DT (122768, DCM, "Difference in Ejection Fraction")	1	U		UNITS = EV (%, UCUM, "%")
13	>	CONTAINS	NUM	DT (122769, DCM, "Difference in ED LV Volume")	1	U		UNITS = EV (ml, UCUM, "ml")
14	>	CONTAINS	NUM	DT (122769, DCM, "Difference in ED LV Volume")	1	U		UNITS = EV (ml/m2, UCUM, "ml/m2")
15	>>	HAS CONCEPT MOD	CODE	EV (121425, DCM, "Index")	1	M		DT (8277-6, LN, "BSA")

TID 3320 Conclusions and Recommendations

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 3320. Conclusions and Recommendations

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121076, DCM, "Conclusions")	1	MC	IF Completion Flag (0040,A491) = COMPLETE	
2	>	CONTAINS	TEXT	EV (121077, DCM, "Conclusion")	1	U		
3	>	CONTAINS	CODE	EV (271921002, SCT, "ECG Finding")	1	M		DCID 3208 “Summary Codes Exercise ECG”
4	>	CONTAINS	CODE	EV (365853002, SCT, "Imaging Finding")	1	M		DCID 3209 “Summary Codes Stress Imaging”
5			CONTAINER	EV (121074, DCM, "Recommendations")	1	U		
6	>	CONTAINS	TEXT	EV (121075, DCM, "Recommendation")	1	U		

Hemodynamics Report Templates

The Templates that comprise the Hemodynamic Report are interconnected as shown in Figure A-6.

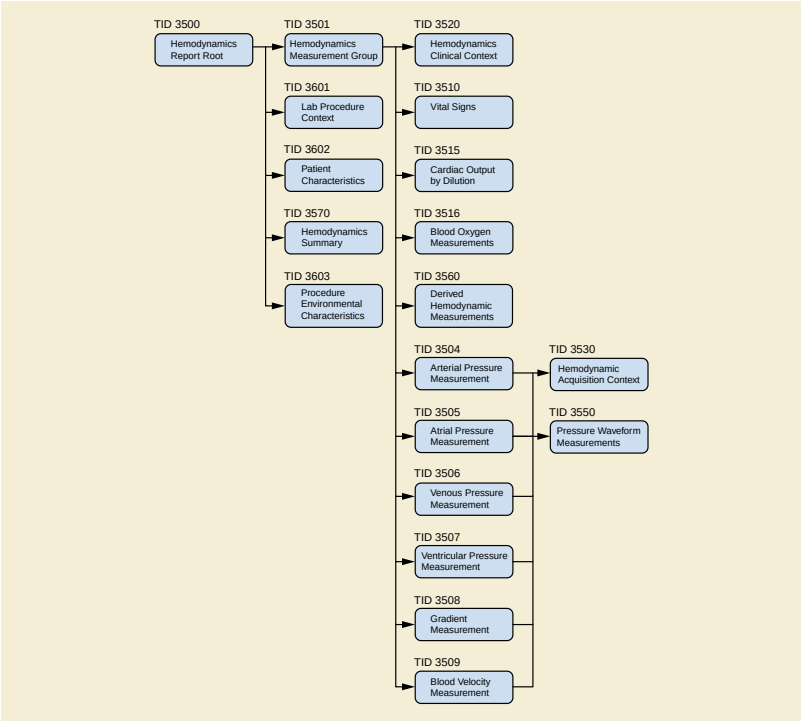

Figure A-6. Hemodynamic Report Template Hierarchy

Figure A-6 shows only the use of Templates specific to the Hemodynamic Report; it does not show common structural Templates such as TID 300 “Measurement”.

Note

Figure A-6 shows the relationship of Templates; it does not show the structural hierarchy of Content Items in the IOD. See Figure L-1 “Hemodynamics Report Structure” in PS3.17.

TID 3500 Hemodynamics Report

The Hemodynamic Report Template is the root structure for the representation of measurements acquired during a procedure in a cardiac catheterization lab.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 3500. Hemodynamics Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122120, DCM, "Hemodynamics Report")	1	M		Root node
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	M		
3	>		INCLUDE	DTID 3601 “Procedure Context”	1	M		
4	>	HAS OBS CONTEXT	INCLUDE	DTID 3602 “Cardiovascular Patient Characteristics”	1	M		
5	>	HAS ACQ CONTEXT	INCLUDE	DTID 3603 “Procedure Environmental Characteristics”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	CONTAINS	INCLUDE	DTID 3501 “Hemodynamics Measurement Group”	1-n	M		
7	>	CONTAINS	INCLUDE	DTID 3570 “Summary, Hemodynamics”	1	U		

TID 3501 Hemodynamics Measurement Group

The Hemodynamic Measurement Group Template provides a structure for measurements acquired during a single procedure phase in a cardiac catheterization lab.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3501. Hemodynamics Measurement Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS ACQ CONTEXT	CODE	EV (129085009, SCT, "Catheterization Procedure Phase")	1	M		DCID 3651 “Hemodynamic Measurement Phase”
3	>	HAS ACQ CONTEXT	INCLUDE	DTID 3520 “Hemodynamic Clinical Context”	1	U		
4	>	HAS ACQ CONTEXT	TEXT	EV (121124, DCM, "Procedure Action ID")	1	U		
5	>	CONTAINS	INCLUDE	DTID 3510 “Vital Signs”	1-n	U		
6	>	CONTAINS	INCLUDE	DTID 3504 “Arterial Pressure Measurement”	1-n	U		
7	>	CONTAINS	INCLUDE	DTID 3505 “Atrial Pressure Measurement”	1-n	U		
8	>	CONTAINS	INCLUDE	DTID 3506 “Venous Pressure Measurement”	1-n	U		
9	>	CONTAINS	INCLUDE	DTID 3507 “Ventricular Pressure Measurement”	1-n	U		
10	>	CONTAINS	INCLUDE	DTID 3508 “Gradient Measurement”	1-n	U		
11	>	CONTAINS	INCLUDE	DTID 3509 “Blood Velocity Measurement”	1-n	U		
12	>	CONTAINS	INCLUDE	DTID 3515 “Cardiac Output Measurement by Indicator Dilution”	1-n	U		
13	>	CONTAINS	INCLUDE	DTID 3516 “Blood Lab Measurements”	1-n	U		
14	>	CONTAINS	INCLUDE	DTID 3560 “Derived Hemodynamic Measurements”	1-n	U		
15	>	CONTAINS	INCLUDE	DTID 3714 “ECG Lead Measurements”	1-n	U		

Content Item Descriptions

Row 4	Procedure Action ID allows linkage between the hemodynamic measurements recorded in this Template and a procedure step or phase recorded in the Procedure Log, e.g., using TID 3100 “Procedure Action”.

TID 3504 Arterial Pressure Measurement

The Arterial Pressure Measurement Template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing systolic, diastolic, and mean measurements. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3504. Arterial Pressure Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (73002000, SCT, "Arterial pressure measurements")	1	M		
2	>		INCLUDE	DTID 3530 “Hemodynamic Acquisition Context”	1	M		$LocationName = EV (363698007, SCT, "Finding Site") $LocationValue = DCID 3606 “Arterial Source Locations”
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (8480-6, LN, "Intravascular arterial Systolic pressure") $Units = DCID 3500 “Pressure Units”
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (8462-4, LN, "Intravascular arterial Diastolic pressure") $Units = DCID 3500 “Pressure Units”
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (8478-0, LN, "Intravascular arterial mean pressure") $Units = DCID 3500 “Pressure Units”
6	>	CONTAINS	INCLUDE	DTID 3550 “Pressure Waveform Measurements”	1-n	U		

TID 3505 Atrial Pressure Measurement

The Atrial Pressure Measurement Template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing a-wave, v-wave, and mean measurements. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3505. Atrial Pressure Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122121, DCM, "Atrial pressure measurements")	1	M		
2	>		INCLUDE	DTID 3530 “Hemodynamic Acquisition Context”	1	M		$LocationName = EV (363698007, SCT, "Finding Site") $LocationValue = DCID 3608 “Atrial Source Locations”
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (109016, DCM, "A-wave peak pressure") $Units = DCID 3500 “Pressure Units”
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (109034, DCM, "V-wave peak pressure") $Units = DCID 3500 “Pressure Units”
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (6797001, SCT, "Mean blood pressure") $Units = DCID 3500 “Pressure Units”
6	>	CONTAINS	INCLUDE	DTID 3550 “Pressure Waveform Measurements”	1-n	U		

TID 3506 Venous Pressure Measurement

The Venous Pressure Measurement Template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing a mean measurement. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3506. Venous Pressure Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (31724009, SCT, "Venous pressure measurements")	1	M		
2	>		INCLUDE	DTID 3530 “Hemodynamic Acquisition Context”	1	M		$LocationName = EV (363698007, SCT, "Finding Site") $LocationValue = DCID 3607 “Venous Source Locations”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (6797001, SCT, "Mean blood pressure") $Units = DCID 3500 “Pressure Units”
4	>	CONTAINS	INCLUDE	DTID 3550 “Pressure Waveform Measurements”	1-n	U		

TID 3507 Ventricular Pressure Measurement

The Ventricular Pressure Measurement Template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing systolic and end-diastolic measurements. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3507. Ventricular Pressure Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122122, DCM, "Ventricular pressure measurements")	1	M		
2	>		INCLUDE	DTID 3530 “Hemodynamic Acquisition Context”	1	M		$LocationName = EV (363698007, SCT, "Finding Site") $LocationValue = DCID 3609 “Ventricular Source Locations”
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	MC	IFF $LocationValue selected in row 2 is (87878005, SCT, "Left Ventricle") or subsite thereof	$Measurement = EV (276780008, SCT, "Left Ventricular Systolic blood pressure") $Units = DCID 3500 “Pressure Units”
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	MC	IFF $LocationValue selected in row 2 is (87878005, SCT, "Left Ventricle") or subsite thereof	$Measurement = EV (276781007, SCT, "Left Ventricular End Diastolic pressure") $Units = DCID 3500 “Pressure Units”
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	MC	IFF $LocationValue selected in row 2 is (53085002, SCT, "Right Ventricle") or subsite thereof	$Measurement = EV (276772001, SCT, "Right Ventricular Systolic blood pressure") $Units = DCID 3500 “Pressure Units”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	MC	IFF $LocationValue selected in row 2 is (53085002, SCT, "Right Ventricle") or subsite thereof	$Measurement = EV (276774000, SCT, "Right Ventricular End Diastolic pressure") $Units = DCID 3500 “Pressure Units”
7	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	MC	IFF $LocationValue selected in row 2 is (45503006, SCT, "Common Ventricle")	$Measurement = EV (122194, DCM, "Ventricular Systolic blood pressure") $Units = DCID 3500 “Pressure Units”
8	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	MC	IFF $LocationValue selected in row 2 is (45503006, SCT, "Common Ventricle")	$Measurement = EV (122191, DCM, "Ventricular End Diastolic pressure") $Units = DCID 3500 “Pressure Units”
9	>	CONTAINS	INCLUDE	DTID 3550 “Pressure Waveform Measurements”	1-n	U		

TID 3508 Gradient Measurement

The Gradient Measurement Template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing the gradient measurement. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3508. Gradient Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122123, DCM, "Gradient assessment")	1	M		
2	>		INCLUDE	DTID 3530 “Hemodynamic Acquisition Context”	1	MC	XOR with Rows 3 & 4 IFF single location is appropriate	$LocationName = EV (363698007, SCT, "Finding Site") $LocationValue = DCID 3610 “Gradient Source Locations”
3	>		INCLUDE	DTID 3530 “Hemodynamic Acquisition Context”	1	MC	XOR with Row 2 IFF a dual location is appropriate	$LocationName = EV (121116, DCM, "Proximal Finding Site") $LocationValue = DCID 3630 “Cardiovascular Anatomic Locations”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>		INCLUDE	DTID 3530 “Hemodynamic Acquisition Context”	1	MC	XOR with Row 2 IFF a dual location is appropriate	$LocationName = EV (121117, DCM, "Distal Finding Site") $LocationValue = DCID 3630 “Cardiovascular Anatomic Locations”
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	M		$Measurement = EV (251081004, SCT, "Pressure Gradient") $Units = DCID 3500 “Pressure Units” $Derivation = DCID 3627 “Measurement Type”
6	>	CONTAINS	INCLUDE	DTID 3550 “Pressure Waveform Measurements”	1-n	U		

Content Item Descriptions

Row 5	Is used to encode the gradient measurements. Uses TID 300 “Measurement” for the Content Item structure of the measurements. That Template allows an INFERRED FROM relationship to other numeric measurements used in the computation or derivation of the current measurement. In the case of a gradient measurement, the pressure measurements at the distal and proximal locations may thus be explicitly conveyed.

TID 3509 Blood Velocity Measurement

The Blood Velocity Measurement Template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing primary (not derived) velocity measurements, e.g., from a Doppler catheter. Derived velocity measurements may be recorded using TID 3560 “Derived Hemodynamic Measurements”.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3509. Blood Velocity Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122124, DCM, "Blood velocity measurements")	1	M		
2	>		INCLUDE	DTID 3530 “Hemodynamic Acquisition Context”	1	M		$LocationName = EV (363704007, SCT, "Procedure site") $LocationValue = BCID 3606 “Arterial Source Locations”
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	M		$Measurement = DCID 3612 “Blood Velocity Measurements” $Units = EV (mm/s, UCUM, "mm/s")
4	>	CONTAINS	INCLUDE	DTID 3550 “Pressure Waveform Measurements”	1-n	U		

TID 3510 Vital Signs

The Vital Signs Template consists of a CONTAINER containing the various vital signs measurements. These measurements may be acquired automatically from patient monitoring equipment, or may be entered based on manual measurements.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3510. Vital Signs

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (8716-3, LN, "Vital Signs")	1	M		
2	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (271649006, SCT, "Systolic blood pressure") $Units = DCID 3500 “Pressure Units” $Method = BCID 3560 “Blood Pressure Methods”
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (271650006, SCT, "Diastolic blood pressure") $Units = DCID 3500 “Pressure Units”
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (8867-4, LN, "Heart rate") $Units = EV ({H.B.}/min, UCUM, "BPM")
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (8310-5, LN, "Body temperature") $Units = EV (Cel, UCUM, "C")
6	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = DCID 3526 “Blood Gas Saturation” $Units = EV (%, UCUM, "%")
7	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (86290005, SCT, "Respiration rate") $Units = EV (/min, UCUM, "breaths/min")
8	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122195, DCM, "Pulse Strength") $Units = DT ({0:4}, UCUM, "range 0:4")
9	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (225908003, SCT, "Pain Score") $Units = DT ({1:10}, UCUM, "range 1:10")
10	>	CONTAINS	CODE	DT (8884-9, LN, "Cardiac Rhythm")	1	U		BCID 3415 “Cardiac Rhythms”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
11	>	CONTAINS	CODE	DT (9304-7, LN, "Respiration Rhythm")	1	U		BCID 3416 “Respiration Rhythms”

TID 3515 Cardiac Output Measurement by Indicator Dilution

The Cardiac Output Measurement by Indicator Dilution Template consists of a CONTAINER containing the measurement and significant parameters of the technical method. If the measurement is based on a DICOM Hemodynamic Waveform SOP Instance, that object may also be referenced.

Note

Fick Cardiac Output is encoded in TID 3560 “Derived Hemodynamic Measurements”.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3515. Cardiac Output Measurement By Indicator Dilution

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (117610000, SCT, "Cardiac Output measurement")	1	M		
2	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (8737-9, LN, "Cardiac Output by Indicator Dilution") $Units = EV (l/min, UCUM, "l/min") $Method = DCID 3628 “Cardiac Output Methods” $WavePurpose = DT (121112, DCM, "Source of Measurement")
3	>	HAS ACQ CONTEXT	NUM	EV (122319, DCM, "Catheter Size")	1	MC	IFF Row 2 indicates a thermal method	UNITS = DCID 3510 “Catheter Size Units”
4	>	HAS ACQ CONTEXT	NUM	EV (122320, DCM, "Injectate Temperature")	1	MC	IFF Row 2 indicates a thermal method	UNITS = EV (Cel, UCUM, "C")
5	>	HAS ACQ CONTEXT	NUM	EV (122321, DCM, "Injectate Volume")	1	M		UNITS = DT (ml, UCUM, "ml")
6	>	HAS ACQ CONTEXT	NUM	EV (122322, DCM, "Calibration Factor")	1	M		UNITS = DT (1, UCUM, "no units")

TID 3516 Blood Lab Measurements

The Blood Lab Measurements Template provides for the recording of measurements made on blood samples obtained during a catheterization procedure. The type and anatomic source of the blood is recorded as acquisition context. The results from the blood chemistry measurement system are quoted; the measurement names may be pre-coordinated with the type or source of the blood,

or generic measurement names may be reported. In the latter case, the full measurement concept name may be effectively post-co-ordinated using the recorded acquisition context.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3516. Blood Lab Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122125, DCM, "Blood lab measurements")	1	M		
2	>	HAS ACQ CONTEXT	CODE	EV (371439000, SCT, "Specimen Type")	1	M		DCID 3520 “Blood Source Type”
3	>	HAS ACQ CONTEXT	CODE	EV (363704007, SCT, "Procedure site")	1	M		BCID 3630 “Cardiovascular Anatomic Locations”
4	>		INCLUDE	DTID 1000 “Quotation”	1	U		
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (718-7, LN, "Hemoglobin") $Units = DT (g/dl, UCUM, "g/dl")
6	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3524 “Blood Gas Pressures” $Units = DCID 3500 “Pressure Units”
7	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3525 “Blood Gas Content” $Units = DT (ml/dl, UCUM, "ml/dl")
8	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3528 “Blood pH” $Units = EV ([pH], UCUM, "pH")
9	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3526 “Blood Gas Saturation” $Units = EV (%, UCUM, "%")
10	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3527 “Blood Base Excess” $Units = DT (meq/dl, UCUM, "meq/dl")
11	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122183, DCM, "Blood temperature") $Units = EV (Cel, UCUM, "C")

TID 3520 Hemodynamic Clinical Context

The Clinical Context Template allows the recording of information about the patient's clinical state that may affect interpretation of the hemodynamic measurements. This Template includes several coded conditions (e.g., complications, drugs, physiological challenges, etc.), each of which may have a Concept Modifier of "Relative Time". This Modifier indicates the temporal relationship of the hemodynamic measurements to the conditions recorded in this Template. E.g., the Content Item structure:

[CONTAINER] "Findings"

>HAS ACQ CONTEXT "Cath Procedure Phase" "Post-intervention phase"

>HAS ACQ CONTEXT [CONTAINER] "Clinical Context"

>>CONTAINS [CODE] "Complication" "Arrhythmia"

>>>HAS CONCEPT MOD [CODE] "Relative Time" "After"

>CONTAINS [CONTAINER] "Arterial Measurements"…

conveys the semantics that this group of measurements for the post-intervention phase of a cath procedure was made after an occurrence of arrhythmia in the patient.

In the absence of a Relative Time modifier, the acquisition context is during the identified event or state.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3520. Hemodynamic Clinical Context

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122127, DCM, "Clinical Context")	1	M		
2	>	CONTAINS	CODE	EV (109054, DCM, "Patient State")	1-n	U		BCID 3602 “Hemodynamic Patient State”
3	>	CONTAINS	TEXT	EV (109054, DCM, "Patient State")	1	U		
4	>	CONTAINS	INCLUDE	DTID 3521 “Relative Time”	1-n	U		$ConditionName = EV (116224001, SCT, "Complication of Procedure") $ConditionValue = DCID 3413 “Adverse Outcomes”
5	>	CONTAINS	INCLUDE	DTID 3521 “Relative Time”	1-n	U		$ConditionName = EV (122086, DCM, "Contrast administered") $ConditionValue = BCID 12 “Radiographic Contrast Agent”
6	>	CONTAINS	INCLUDE	DTID 3521 “Relative Time”	1-n	U		$ConditionName = EV (122083, DCM, "Drug administered") $ConditionValue = BCID 10 “Interventional Drug”
7	>	CONTAINS	INCLUDE	DTID 3521 “Relative Time”	1-n	U		$ConditionName = EV (109059, DCM, "Physiological challenges") $ConditionValue = BCID 3271 “Hemodynamic Physiological Challenges”
8	>	CONTAINS	INCLUDE	DTID 3521 “Relative Time”	1-n	U		$ConditionName = EV (122138, DCM, "Circulatory Support") $ConditionValue = DCID 3553 “Circulatory Support”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9	>	CONTAINS	INCLUDE	DTID 3521 “Relative Time”	1-n	U		$ConditionName = EV (243147009, SCT, "Controlled ventilation") $ConditionValue = DCID 3554 “Ventilation”
10	>	CONTAINS	INCLUDE	DTID 3521 “Relative Time”	1-n	U		$ConditionName = EV (18590009, SCT, "Cardiac Pacing") $ConditionValue = BCID 3555 “Pacing”
11	>	CONTAINS	INCLUDE	DTID 3521 “Relative Time”	1-n	U		$ConditionName = EV (71388002, SCT, "Procedure") $ConditionValue = BCID 3405 “Procedure Action Values”

TID 3521 Relative Time

The Relative Time Template is invoked by 3520 Hemodynamic Acquisition Context Template. It specifies an applicable clinical context condition and the time of the current measurements relative to that condition.

Table TID 3521. Parameters

Parameter Name	Parameter Usage
$ConditionName	Coded term for Concept Name of condition
$ConditionValue	Context Group for condition values

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 3521. Relative Time

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	$ConditionName	1	M		$ConditionValue
2	>	HAS CONCEPT MOD	CODE	EV (118578006, SCT, "Relative time")	1	U		BCID 3600 “Relative Times”

TID 3530 Hemodynamic Acquisition Context

The Hemodynamic Acquisition Context Template is invoked by the various hemodynamic measurement Templates.

Table TID 3530. Parameters

Parameter Name	Parameter Usage
$LocationName	Coded term for Concept Name of measurement location
$LocationValue	Context Group for appropriate anatomic locations

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3530. Hemodynamic Acquisition Context

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS CONCEPT MOD	CODE	$LocationName	1	M		$LocationValue
2	>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical modifier")	1	U		BCID 3019 “Cardiovascular Anatomic Location Modifiers”
3		HAS ACQ CONTEXT	CODE	EV (370129005, SCT, "Measurement Method ")	1	U		BCID 3241 “Hemodynamic Measurement Techniques”
4		HAS ACQ CONTEXT	WAVEFORM	DT (121112, DCM, "Source of Measurement")	1	UC	XOR Row 5	
5		HAS ACQ CONTEXT	TCOORD	DT (121112, DCM, "Source of Measurement")	1	UC	XOR Row 4	
6	>	SELECTED FROM	WAVEFORM		1	M		

TID 3550 Pressure Waveform Measurements

The Pressure Waveform Measurements Template is invoked by the various hemodynamic measurement Templates for recording general measurements made in conjunction with the specific required measurements for that anatomic location.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3550. Pressure Waveform Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3611 “Pressure Measurements” $Units = DCID 3500 “Pressure Units”
2		CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3612 “Blood Velocity Measurements” $Units = EV (mm/s, UCUM, "mm/s")
3		CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3613 “Hemodynamic Time Measurements” $Units = DT (ms, UCUM, "ms")
4		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (82799009, SCT, "Cardiac Output") $Units = EV (l/min, UCUM, "l/min")
5		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (90096001, SCT, "Stroke Volume") $Units = DT (ml, UCUM, "ml")
6		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (10230-1, LN, "LV Ejection Fraction") $Units = EV (%, UCUM, "%")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
7		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (8867-4, LN, "Heart rate") $Units = DT ({H.B.}/min, UCUM, "BPM")
8		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (86290005, SCT, "Respiration rate") $Units = DT (/min, UCUM, "breaths/min")
9		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (109025, DCM, "Max dp/dt") $Units = DT (mm[Hg]/s, UCUM, "mmHg/s")
10		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (109026, DCM, "Max neg dp/dt") $Units = DT (mm[Hg]/s, UCUM, "mmHg/s")
11		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122190, DCM, "Max dp/dt/P") $Units = DT (/s, UCUM, "/s")
12		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122192, DCM, "Indicator appearance time") $Units = DT (s, UCUM, "s")
13		CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122193, DCM, "Maximum pressure acceleration") $Units = DT (mm[Hg]/s2, UCUM, "mmHg/s/s")
14		CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3617 “Valve Flows” $Units = DT (ml/min, UCUM, "ml/min")

TID 3560 Derived Hemodynamic Measurements

The Derived Hemodynamic Measurements Template consists of a CONTAINER containing measurements derived from one or more other measurements. These measurements are associated with a particular procedure phase, but not necessarily with a particular anatomic location.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3560. Derived Hemodynamic Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122126, DCM, "Derived Hemodynamic Measurements")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3614 “Valve Areas, Non-mitral” $Units = EV (cm2, UCUM, "cm2") $Equation = DT (122262, DCM, "Area = Flow / 44.5 * sqrt(Gradient[mmHg]) ")
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (251012002, SCT, "Mitral Valve Area") $Units = EV (cm2, UCUM, "cm2") $Equation = DT (122263, DCM, "MVA = Flow / 38.0 * sqrt(Gradient[mmHg]) ")
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3615 “Valve Areas” $ModType = EV (121425, DCM, "Index") $ModValue = EV (8277-6, LN, "Body Surface Area") $Units = DT (cm2/m2, UCUM, "cm2/m2")
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3616 “Hemodynamic Period Measurements” $Units = DT (s/min, UCUM, "s/min")
6	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3617 “Valve Flows” $Units = DT (ml/s, UCUM, "ml/s")
7	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (54993008, SCT, "Cardiac Index") $Units = DT (l/min/m2, UCUM, "l/min/m2")
8	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3529 “Arterial / Venous Content” $Units = DT (ml/dl, UCUM, "ml/dl")
9	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3618 “Hemodynamic Flows” $Units = DT (l/min, UCUM, "l/min")
10	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (8736-1, LN, "FICK Cardiac Output") $Units = DT (l/min, UCUM, "l/min")
11	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (8750-2, LN, "FICK Cardiac Index") $Units = DT (l/min/m2, UCUM, "l/min/m2")
12	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122229, DCM, "Arteriovenous difference") $Units = DT (ml/dl, UCUM, "ml/dl")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
13	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = BCID 3620 “Hemodynamic Ratios” $Units = DT ({ratio}, UCUM, "ratio")
14	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122237, DCM, "Corrected Sinus Node Recovery Time") $Units = DT (ms, UCUM, "ms")
15	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (8861-7, LN, "Left Ventricular Stroke Work") $Units = DT (gf.m, UCUM, "gf.m")
16	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (8862-5, LN, "Right Ventricular Stroke Work") $Units = DT (gf.m, UCUM, "gf.m")
17	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (8863-3, LN, "Left Ventricular Stroke Work Index") $Units = DT (gf.m/m2, UCUM, "gf.m/m2")
18	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (8864-1, LN, "Right Ventricular Stroke Work Index") $Units = DT (gf.m/m2, UCUM, "gf.m/m2")
19	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122238, DCM, "Max volume normalized to 50mmHg pulse pressure") $Units = DT (ml, UCUM, "ml")
20	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122239, DCM, "Oxygen Consumption") $Units = DT (ml/min, UCUM, "ml/min") $Equation = BCID 3664 “Oxygen Consumption Equations and Tables”
21	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (19217-9, LN, "Oxygen partial pressure at 50% saturation (P50) ") $Units = DCID 3500 “Pressure Units” $Equation = BCID 3666 “P50 Equations”
22	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (11556-8, LN, "Blood Oxygen partial pressure") $Units = DCID 3500 “Pressure Units”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
23	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3618 “Hemodynamic Flows” $ModType = EV (121425, DCM, "Index") $ModValue = EV (8277-6, LN, "Body Surface Area") $Units = DT (l/min/m2, UCUM, "l/min/m2")
24	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3619 “Hemodynamic Resistance Measurements” $Units = DCID 3502 “Hemodynamic Resistance Units”
25	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3619 “Hemodynamic Resistance Measurements” $ModType = EV (121425, DCM, "Index") $ModValue = EV (8277-6, LN, "Body Surface Area") $Units = DCID 3503 “Indexed Hemodynamic Resistance Units”
26	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122227, DCM, "Left to Right Flow") $Units = DT (l/min, UCUM, "l/min")
27	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122228, DCM, "Right to Left Flow") $Units = DT (l/min, UCUM, "l/min")
28	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (90096001, SCT, "Stroke Volume") $Units = DT (ml, UCUM, "ml")
29	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (90096001, SCT, "Stroke Volume") $ModType = EV (121425, DCM, "Index") $ModValue = EV (8277-6, LN, "Body Surface Area") $Units = DT (ml/m2, UCUM, "ml/m2")
30	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (268384009, SCT, "Total blood volume") $Units = DT (l, UCUM, "l")
31	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3667 “Framingham Scores” $Units = DT (%, UCUM, "%") $Equation = DCID 3668 “Framingham Tables”

TID 3570 Summary, Hemodynamics

This Template allows the recording of any significant numeric measurements or findings.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3570. Summary, Hemodynamics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121111, DCM, "Summary")	1	M		
2	>	CONTAINS	TEXT	EV (121111, DCM, "Summary")	1	U		
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		
4	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3640 “Hypertension”
5	>>		INCLUDE	DTID 1350 “Negation Modifier, Presence of Finding”	1	U		
6	>>	HAS PROPERTIES	CODE	EV (246112005, SCT, "Severity")	1	U		DCID 3716 “Severity”
7	>	CONTAINS	CODE	DCID 3641 “Hemodynamic Assessments”	1-n	U		DCID 3642 “Degree Findings”
8	>>	HAS PROPERTIES	CODE	EV (260905004, SCT, "Condition")	1	U		EV (414576002, SCT, "Large v-wave")
9	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		EV (413985002, SCT, "Diastolic pressure equalization")

TID 3601 Procedure Context

The Procedure Context Template describes acquisition context for measurements made or events recorded in a procedure.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3601. Procedure Context

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS ACQ CONTEXT	TEXT	EV (121065, DCM, "Procedure Description")	1	U		Defaults to Study Description (0008,1030) of the General Study Module
2		HAS ACQ CONTEXT	CODE	EV (363703001, SCT, "Has Intent")	1	U		BCID 3629 “Procedure Intent”
3		HAS ACQ CONTEXT	CODE	EV (260870009, SCT, "Procedure Priority")	1	U		BCID 3414 “Procedure Urgency”
4		HAS OBS CONTEXT	CODE	EV (121023, DCM, "Procedure Code")	1-n	U		Defaults to Procedure Code Sequence (0008,1032) of General Study Module

TID 3602 Cardiovascular Patient Characteristics

This Template describes the characteristics of the patient that are specific to the current clinical presentation (visit). Patient Characteristic concepts in this Template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other Content Items in the SR tree.

Note

Several of the concepts in this Template duplicate concepts in TID 1007 “Subject Context, Patient”. The difference in use is that this Template has those concepts as primary observations of the patient, while in TID 1007 “Subject Context, Patient” the concepts are used to set (or reset) the context for other observations.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3602. Cardiovascular Patient Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121118, DCM, "Patient Characteristics")	1	M		
2	>	CONTAINS	NUM	EV (121033, DCM, "Subject Age")	1	M		UNITS = DCID 7456 “Units of Measure for Age”
3	>	CONTAINS	CODE	EV (121032, DCM, "Subject Sex")	1	M		DCID 7455 “Sex”
4	>	CONTAINS	NUM	EV (8302-2, LN, "Patient Height")	1	M		UNITS = EV (cm, UCUM, "cm")
5	>	CONTAINS	NUM	EV (29463-7, LN, "Patient Weight")	1	M		UNITS = EV (kg, UCUM, "kg")
6	>	CONTAINS	NUM	EV (122221, DCM, "Thorax diameter, sagittal")	1	U		UNITS = EV (cm, UCUM, "cm")
7	>	CONTAINS	NUM	EV (8277-6, LN, "Body Surface Area")	1	MC	IF BSA used for indexed measurements in SOP Instance	UNITS = EV (m2, UCUM, "m2")
8	>>	INFERRED FROM	CODE	EV (8278-4, LN, "Body Surface Area Formula")	1	U		BCID 3663 “Body Surface Area Equations”
9	>	CONTAINS	NUM	EV (60621009, SCT, "Body Mass Index")	1	U		UNITS = EV (kg/m2, UCUM, "kg/m2")
10	>>	INFERRED FROM	CODE	EV (121420, DCM, "Equation")	1	U		DT (122265, DCM, "BMI = Wt/Ht^2")
11	>	CONTAINS	NUM	EV (8867-4, LN, "Heart Rate")	1	U		UNITS = EV ({H.B.}/min, UCUM, "BPM")
12	>	CONTAINS	NUM	EV (271649006, SCT, "Systolic Blood Pressure")	1	U		UNITS = DCID 3500 “Pressure Units”
13	>	CONTAINS	NUM	EV (271650006, SCT, "Diastolic Blood Pressure")	1	U		UNITS = DCID 3500 “Pressure Units”
14	>	CONTAINS	CODE	DT (8884-9, LN, "Cardiac Rhythm")	1	U		BCID 3415 “Cardiac Rhythms”
15	>	CONTAINS	NUM	EV (248366000, SCT, "Chest Circumference")	1	U		UNITS = EV (cm, UCUM, "cm")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
16	>	CONTAINS	TEXT	EV (248808008, SCT, "Breast size")	1	U		Bra size as text string
17	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		DCID 3202 “Chest Pain”
18	>	CONTAINS	CODE	EV (429160000, SCT, "Functional capacity")	1	U		DCID 3719 “Canadian Clinical Classification”
19	>	CONTAINS	CODE	EV (429160000, SCT, "Functional capacity")	1	U		DCID 3736 “NYHA Classification”
20	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		
21	>	CONTAINS	TEXT	EV (121110, DCM, "Patient Presentation")	1	U		

Content Item Descriptions

Rows 11-13	Cardiac vital signs, for use when the SR SOP Instance does not record vital signs at multiple procedure phases or stages.
Row 16	Breast size for interpretation of attenuation in nuclear medicine imaging

TID 3603 Procedure Environmental Characteristics

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3603. Procedure Environmental Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122222, DCM, "Procedure Environmental Characteristics")	1	M		
2	>	CONTAINS	NUM	EV (122223, DCM, "Room oxygen concentration")	1	U		UNITS = EV (%, UCUM, "%")
3	>	CONTAINS	NUM	EV (122224, DCM, "Room temperature")	1	U		UNITS = EV (Cel, UCUM, "C")
4	>	CONTAINS	NUM	EV (122225, DCM, "Room Barometric pressure")	1	U		UNITS = DT (mbar, UCUM, "millibar")

ECG Report Templates

TID 3700 ECG Report

The ECG Report Template is the root structure for the representation of analysis of an ECG waveform, potentially in comparison to a prior ECG waveform analysis. The analyzed waveform may or may not be stored as a DICOM SOP Instance.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 3700. ECG Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (28010-7, LN, "ECG Report")	1	M		Root node
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	U		DCID 3670 “ECG Procedure Types”
3	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
4	>	CONTAINS	INCLUDE	DTID 1002 “Observer Context”	1-n	M		
5	>	CONTAINS	CONTAINER	EV (18785-6, LN, "Indications for Procedure")	1	U		
6	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3671 “Reason for ECG Exam”
7	>>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1	U		
8	>	CONTAINS	INCLUDE	DTID 3802 “Cardiovascular Patient History”	1	U		
9	>	CONTAINS	INCLUDE	DTID 3704 “Patient Characteristics for ECG”	1	U		
10	>	CONTAINS	INCLUDE	DTID 3702 “Prior ECG Exam”	1	U		
11	>	CONTAINS	INCLUDE	DTID 3708 “ECG Waveform Information”	1	M		
12	>	CONTAINS	CONTAINER	EV (122144, DCM, "Quantitative Analysis")	1	M		
13	>>	CONTAINS	INCLUDE	DTID 3713 “ECG Global Measurements”	1	U		
14	>>	CONTAINS	INCLUDE	DTID 3714 “ECG Lead Measurements”	1-n	U		One instantiation per reported lead
15	>	CONTAINS	INCLUDE	DTID 3717 “ECG Qualitative Analysis”	1	U		
16	>	CONTAINS	INCLUDE	DTID 3719 “Summary, ECG”	1	U		

TID 3701 Clinical Context, ECG (Retired)

This Template has been retired (see PS3.16-2009).

TID 3702 Prior ECG Exam

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3702. Prior ECG Exam

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (55114-3, LN, "Prior Procedure Descriptions")	1	M		
2	>	CONTAINS	CODE	EV (122140, DCM, "Comparison with Prior Exam Done")	1	M		DCID 230 “Yes-No”
3	>	CONTAINS	DATETIME	EV (122146, DCM, "Procedure DateTime")	1	U		
4	>	CONTAINS	UIDREF	EV (121018, DCM, "Procedure Study Instance UID")	1	U		
5	>	CONTAINS	COMPOSITE	EV (122075, DCM, "Prior report for current patient")	1	U		
6	>	CONTAINS	WAVEFORM	EV (121112, DCM, "Source of Measurement")	1	U		

TID 3704 Patient Characteristics for ECG

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3704. Patient Characteristics for ECG

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121118, DCM, "Patient Characteristics")	1	M		
2	>	CONTAINS	NUM	EV (121033, DCM, "Subject Age")	1	M		UNITS = DCID 7456 “Units of Measure for Age”
3	>	CONTAINS	CODE	EV (121032, DCM, "Subject Sex")	1	M		DCID 7455 “Sex”
4	>	CONTAINS	NUM	EV (8302-2, LN, "Patient Height")	1	U		UNITS = EV (cm, UCUM, "cm")
5	>	CONTAINS	NUM	EV (29463-7, LN, "Patient Weight")	1	U		UNITS = EV (kg, UCUM, "kg")
6	>	CONTAINS	NUM	EV (271649006, SCT, "Systolic Blood Pressure")	1	U		UNITS = DCID 3500 “Pressure Units”
7	>	CONTAINS	NUM	EV (271650006, SCT, "Diastolic Blood Pressure")	1	U		UNITS = DCID 3500 “Pressure Units”
8	>	CONTAINS	CODE	EV (109054, DCM, "Patient State")	1	U		DCID 3262 “ECG Patient State Values”
9	>	CONTAINS	CODE	EV (441509002, SCT, "Pacemaker in situ")	1	U		DCID 3672 “Pacemakers”
10	>	CONTAINS	CODE	EV (443325000, SCT, "ICD in situ")	1	U		DCID 3692 “ICDs”

TID 3708 ECG Waveform Information

The ECG Waveform Information Template provides reference to, and important parameters of, the analyzed waveform.

Type: **Extensible**

Order: **Significant**
Root: **No**

Table TID 3708. ECG Waveform Information

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (55111-9, LN, "Current Procedure Descriptions")	1	M		
2	>	CONTAINS	WAVEFORM	EV (121112, DCM, "Source of Measurement")	1	U		
3	>	CONTAINS	CODE	EV (10:11345, MDC, "Lead System")	1	U		DCID 3263 “Electrode Placement Values”
4	>	CONTAINS	TEXT	EV (122142, DCM, "Acquisition Device Type")	1	U		
5	>	CONTAINS	TEXT	EV (121122, DCM, "Equipment Identification")	1	U		
6	>	CONTAINS	INCLUDE	DTID 1003 “Person Observer Identifying Attributes”	1	U		Person performing the ECG acquisition
7	>	CONTAINS	TEXT	EV (121121, DCM, "Room Identification")	1	U		
8	>	CONTAINS	DATETIME	EV (122146, DCM, "Procedure DateTime")	1	M		
9	>	CONTAINS	NUM	DCID 3690 “ECG Control Variables Numeric”	1-n	U		
10	>	CONTAINS	TEXT	DCID 3691 “ECG Control Variables Text”	1-n	U		
11	>	CONTAINS	INCLUDE	DTID 4019 “Algorithm Identification”	1	U		

TID 3713 ECG Global Measurements

The ECG Global Measurements Template provides a structure for measurements calculated across the ECG waveform as a whole (multiple leads).

As an Extensible Template, applications may include any ECG global measurements, such as angles of the electrical vector of various ECG waves. The recommended vocabulary for such concepts is ISO/IEEE 11073-10102.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3713. ECG Global Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122158, DCM, "ECG Global Measurements")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 3715 “ECG Measurement Source”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	NUM	DT (2:16020, MDC, "Atrial Heart Rate")	1	U		UNITS = EV ({H.B.}/min, UCUM, "BPM")
4	>	CONTAINS	NUM	DT (2:16016, MDC, "Ventricular Heart Rate")	1	M		UNITS = EV ({H.B.}/min, UCUM, "BPM")
5	>	CONTAINS	NUM	DT (2:16160, MDC, "QT interval global")	1	M		UNITS = EV (ms, UCUM, "ms")
6	>	CONTAINS	NUM	DT (2:15876, MDC, "QTc interval global")	1	U		UNITS = EV (ms, UCUM, "ms")
7	>>	HAS PROPERTIES	CODE	DT (111001, DCM, "Algorithm Name")	1	U		DCID 3678 “QT Correction Algorithms”
8	>	CONTAINS	NUM	DT (2:15872, MDC, "PR interval global")	1	M		UNITS = EV (ms, UCUM, "ms")
9	>	CONTAINS	NUM	DT (2:16156, MDC, "QRS duration global")	1	M		UNITS = EV (ms, UCUM, "ms")
10	>	CONTAINS	NUM	DT (2:16168, MDC, "RR interval global")	1	M		UNITS = EV (ms, UCUM, "ms")
11	>	CONTAINS	NUM	DCID 3689 “ECG Global Waveform Durations”	1-n	U		UNITS = EV (ms, UCUM, "ms")
12	>	CONTAINS	NUM	DCID 3229 “ECG Axis Measurements”	1-n	U		UNITS = EV (deg, UCUM, "deg")
13	>	CONTAINS	NUM	DT (2:16032, MDC, "Count of all beats")	1	U		UNITS = EV ({beats}, UCUM, "beats")
14	>	CONTAINS	NUM	DT (122707, DCM, "Number of Ectopic Beats")	1	U		UNITS = EV ({beats}, UCUM, "beats")
15	>>	HAS PROPERTIES	CODE	EV (116676008, SCT, "Associated Morphology")	1-n	U		BCID 3234 “Ectopic Beat Morphology”

TID 3714 ECG Lead Measurements

The ECG Lead Measurements Template provides a structure for measurements calculated on individual ECG leads.

As an Extensible Template, applications may include any ECG per lead measurements, such as integrals over time of various ECG wave voltages. The recommended vocabulary for such concepts is ISO/IEEE 11073-10102.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3714. ECG Lead Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122159, DCM, "ECG Lead Measurements")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (122148, DCM, "Lead ID")	1	M		BCID 3001 “ECG Leads”
3	>	HAS OBS CONTEXT	INCLUDE	DTID 3715 “ECG Measurement Source”	1	U		
4	>	CONTAINS	NUM	DCID 3687 “Electrophysiology Waveform Durations”	1-n	U		UNITS = EV (ms, UCUM, "ms")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	CONTAINS	NUM	DCID 3688 “Electrophysiology Waveform Voltages”	1-n	U		UNITS = EV (mV, UCUM, "mV")
6	>	CONTAINS	CODE	EV (365416000, SCT, "ST Segment Finding")	1	U		DCID 3233 “ST Segment Morphology”
7	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3680 “ECG Lead Noise Descriptions”

TID 3715 ECG Measurement Source

The ECG Measurement Source Template provides a structure for identifying the particular cardiac cycle, or beat, in an analyzed ECG waveform used for the measurement group for which this Template provides Observation Context. The cardiac cycle is identified by beat number, and optionally by specific temporal coordinates within a DICOM ECG Waveform SOP Instance.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3715. ECG Measurement Source

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (122149, DCM, "Beat Number")	1	U		Up to three numeric characters
2			CODE	EV (370129005, SCT, "Measurement Method")	1	U		DCID 3676 “Lead Measurement Technique”
3			TCOORD	EV (121112, DCM, "Source of Measurement")	1	U		
4	>	SELECTED FROM	WAVEFORM		1	U		

Content Item Descriptions

Row 1	Beat Number is specified as a numeric text string, and shall be treated as the ordinal of the beat (cardiac cycle) within the waveform acquisition for this lead that was analyzed for the measurements in this container (i.e., "1" for the first beat, "2" for the second, etc.). If absent, the measurements may have been made by a technique across multiple cycles as specified in Row 2 Measurement Method.
Rows 3 and 4	Source of measurement identify the specific channel and time period within a DICOM ECG Waveform SOP Instance that was analyzed for the measurements in this container.

TID 3717 ECG Qualitative Analysis

The ECG Qualitative Analysis Template allows a free text qualitative interpretation of the analyzed ECG, as well as a structure for a coded analysis.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3717. Qualitative Analysis, ECG

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (122145, DCM, "Qualitative Analysis")	1	M		
2	>	CONTAINS	TEXT	EV (271921002, SCT, "ECG Finding")	1	MC	At least one of rows 2 and 3 shall be present	
3	>	CONTAINS	CODE	EV (271921002, SCT, "ECG Finding")	1-n	MC	At least one of rows 2 and 3 shall be present	BCID 3230 “ECG Findings”
4	>>	HAS CONCEPT MOD	TEXT	EV (121051, DCM, "Equivalent Meaning of Value")	1	U		
5	>>	INFERRED FROM	CODE	EV (271921002, SCT, "ECG Finding")	1-n	U		
6	>>>	HAS CONCEPT MOD	TEXT	EV (121051, DCM, "Equivalent Meaning of Value")	1	U		

Content Item Descriptions

Row 3-4	ECG Finding provides one or more coded interpretive statements using standard or implementation-specific codes. Each coded finding will include a Code Meaning (0008,0104) using the LO Value Representation (64 characters); longer human-readable text strings for interpretive statements may be conveyed in the Row 4 Equivalent Meaning of Value Content Item..
Row 5-6	Each primary ECG Finding of Row 3 may have multiple supporting coded findings in Row 5, with longer human-readable text strings for interpretive statements if necessary in Row 6.

TID 3718 ECG Interpretive Statement (Retired)

This Template is retired. See PS3.16-2009.

TID 3719 Summary, ECG

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3719. Summary, ECG

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121111, DCM, "Summary")	1	M		
2	>	CONTAINS	TEXT	EV (121111, DCM, "Summary")	1	U		
3	>	CONTAINS	CODE	DT (18810-2, LN, "ECG overall finding")	1	U		DCID 3677 “Summary Codes ECG”

Cath Lab Clinical Report Templates

The Templates that comprise the Cardiac Catheterization Report are interconnected as shown in Figure A-7.

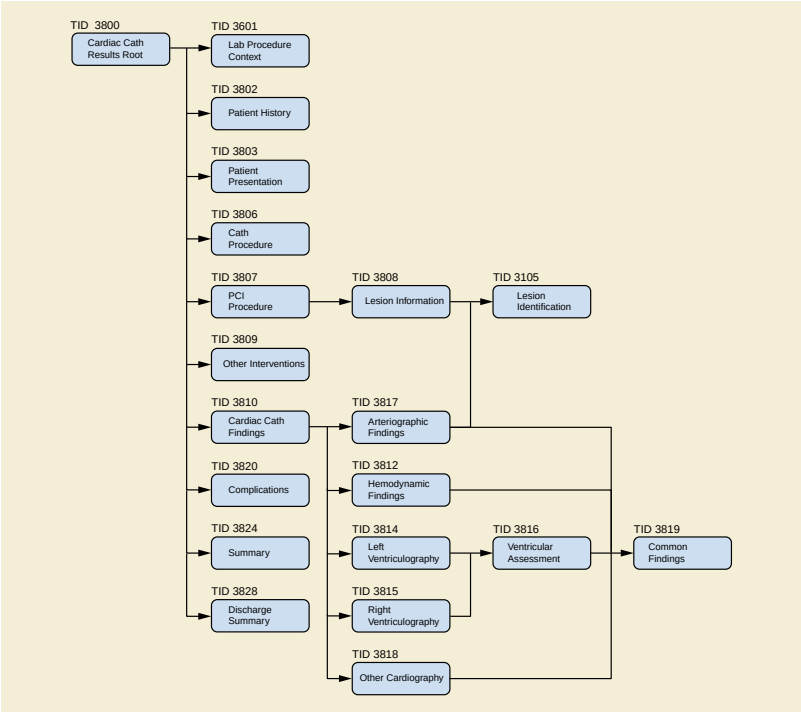

Figure A-7. Cardiac Catheterization Report Template Hierarchy

Note

Figure A-7 shows the relationship of Templates; it does not show the structural hierarchy of Content Items in the IOD.

TID 3800 Cardiac Catheterization Report Root

The Cardiac Cath Report provides the overall clinical results of the catheterization procedure and interventions. In many cases, more detailed information is optionally available in other reports (Hemodynamic Measurements, Procedure Log, etc.). That information is collected and summarized here (and referenced when available).

When a Discharge Summary section (row 12) is included, this report Template covers the full set of information required for submission to the ACC NCDR™ (version 2.0) registry.

Note

1. The information required for such a submission must sometimes be reformatted from a single concept in these Templates to two data elements for the registry, or vice versa.

2. This Template is expected to be used with the Basic Text SR or Enhanced SR IOD.3. This Cardiac Cath Report Template is a baseline Template within these SOP Classes that may be replaced; it is therefore in no sense binding for exchange of this type of report. It is solely an example of a possible encoding of the Cardiac Cath Report.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 3800. Cardiac Catheterization Report Root

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (18745-0, LN, "Cardiac Catheterization Report")	1	M		Root node

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		DCID 3739 “Cath Procedure Type”
3	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
4	>		INCLUDE	DTID 3601 “Procedure Context”	1	M		
5	>	CONTAINS	INCLUDE	DTID 3802 “Cardiovascular Patient History”	1	U		
6	>	CONTAINS	INCLUDE	DTID 3803 “Patient Presentation, Cath”	1	M		
7	>	CONTAINS	INCLUDE	DTID 3806 “Cath Procedure”	1	M		
8	>	CONTAINS	INCLUDE	DTID 3810 “Cardiac Catheterization Findings”	1	M		
9	>	CONTAINS	INCLUDE	DTID 3807 “Percutaneous Coronary Intervention Procedure”	1	U		
10	>	CONTAINS	INCLUDE	DTID 3809 “Other Interventional Procedures”	1-n	U		
11	>	CONTAINS	INCLUDE	DTID 3820 “Adverse Outcomes, Cath”	1	M		
12	>	CONTAINS	INCLUDE	DTID 3824 “Summary, Cath”	1	M		
13	>	CONTAINS	INCLUDE	DTID 3828 “Discharge Summary, Cath”	1	U		

TID 3802 Cardiovascular Patient History

This Template contains information about a cardiovascular patient's past medical history that is relevant for the interpretation of the SR document of which it is part. This information is considered to have some degree of "persistence" across different episodes of care.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3802. Cardiovascular Patient History

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (11329-0, LN, "History")	1	M		
2	>	CONTAINS	TEXT	EV (11329-0, LN, "History")	1	U		
3	>	CONTAINS	CONTAINER	DT (11450-4, LN, "Problem List")	1	U		
4	>>	CONTAINS	TEXT	DCID 3769 “Concern Types”	1-n	U		
5	>>	CONTAINS	INCLUDE	DTID 3829 “Problem Properties”	1-n	U		$Problem = DCID 3756 “Cardiac Patient Risk Factors”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>>	CONTAINS	INCLUDE	DTID 3829 “Problem Properties”	1	U		$Problem = EV (161445009, SCT, "History of Diabetes mellitus") $Therapy = DCID 3722 “Diabetic Therapy”
7	>>	CONTAINS	INCLUDE	DTID 3829 “Problem Properties”	1	U		$Problem = EV (161501007, SCT, "History of Hypertension") $Therapy = DCID 3760 “Hypertension Therapy”
8	>>	CONTAINS	INCLUDE	DTID 3829 “Problem Properties”	1	U		$Problem = EV (414416008, SCT, "History of Hypercholesterolemia") $Therapy = DCID 3761 “Antilipemic Agents”
9	>>	CONTAINS	INCLUDE	DTID 3829 “Problem Properties”	1	U		$Problem = EV (44808001, SCT, "Arrhythmia") $Therapy = DCID 3762 “Antiarrhythmic Agents”
10	>>	CONTAINS	INCLUDE	DTID 3829 “Problem Properties”	1	U		$Problem = EV (399211009, SCT, "History of Myocardial infarction") $ModType = DT (122170, DCM, "Type of Myocardial Infarction") $ModValue = DCID 3723 “MI Types” $Therapy = DCID 3764 “Myocardial Infarction Therapies”
11	>>	CONTAINS	INCLUDE	DTID 3829 “Problem Properties”	1	U		$Problem = EV (275552000, SCT, "History of Kidney disease") $Stage = DCID 3778 “Stages”
12	>	CONTAINS	CONTAINER	DT (29762-2, LN, "Social History")	1	U		
13	>>	CONTAINS	TEXT	EV (160476009, SCT, "Social History")	1	U		
14	>>	CONTAINS	TEXT	DCID 3774 “Social History”	1-n	U		
15	>>	CONTAINS	CODE	EV (365981007, SCT, "Tobacco Smoking Behavior")	1	U		DCID 3724 “Smoking History”
16	>>	CONTAINS	CODE	DT (228366006, SCT, "Drug misuse behavior")	1	U		DT (78267003, SCT, "Cocaine Abuse")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
17	>	CONTAINS	CONTAINER	DT (10167-5, LN, "Past Surgical History")	1	U		
18	>>	CONTAINS	TEXT	EV (11329-0, LN, "History")	1-n	U		
19	>>	CONTAINS	INCLUDE	DTID 3830 “Procedure Properties”	1-n	U		$ProcType = DT (387713003, SCT, "Surgical Procedure") $Procedure = DCID 3721 “Cardiovascular Surgeries”
20	>	CONTAINS	CONTAINER	DT (30954-2, LN, "Relevant Diagnostic Tests and/or Laboratory Data")	1	U		
21	>>	CONTAINS	TEXT	EV (11329-0, LN, "History")	1-n	U		
22	>>	CONTAINS	INCLUDE	DTID 3830 “Procedure Properties”	1-n	U		$ProcType = DT (103693007, SCT, "Diagnostic procedure") $Procedure = DCID 3757 “Cardiac Diagnostic Procedures”
23	>>	CONTAINS	NUM	DT (2086-7, LN, "Cholesterol.in HDL")	1	U		UNITS = EV (mg/dl, UCUM, "mg/dl")
24	>>	CONTAINS	NUM	DT (2089-1, LN, "Cholesterol.in LDL")	1	U		UNITS = EV (mg/dl, UCUM, "mg/dl")
25	>	CONTAINS	CONTAINER	DT (10160-0, LN, "History of Medication Use")	1	U		
26	>>	CONTAINS	TEXT	DT (111516, DCM, "Medication Type")	1-n	U		
27	>>>	HAS PROPERTIES	CODE	DT (33999-4, LN, "Status")	1	U		DCID 3773 “Use Status”
28	>>	CONTAINS	CODE	DT (111516, DCM, "Medication Type")	1-n	U		
29	>>>	HAS PROPERTIES	NUM	DT (260911001, SCT, "Dosage")	1	U		
30	>>>	HAS PROPERTIES	CODE	DT (33999-4, LN, "Status")	1	U		DCID 3773 “Use Status”
31	>	CONTAINS	CONTAINER	DT (10157-6, LN, "History of Family Member Diseases")	1	U		
32	>>	CONTAINS	TEXT	EV (11329-0, LN, "History")	1-n	U		
33	>>	CONTAINS	CODE	EV (416471007, SCT, "Family history of clinical finding")	1-n	U		DCID 3758 “Cardiovascular Family History”
34	>>>	HAS PROPERTIES	CODE	EV (408732007, SCT, "Subject relationship")	1	M		DCID 7451 “Family Member”
35	>	CONTAINS	CONTAINER	DT (46264-8, LN, "History of medical device use")	1	U		
36	>>	CONTAINS	TEXT	EV (11329-0, LN, "History")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
37	>>	CONTAINS	INCLUDE	DTID 3831 “Medical Device Use”	1-n	U		$Device = DCID 3777 “Implanted Devices”

TID 3803 Patient Presentation, Cath

This Template describes the aspects of the patient that are specific to this clinical presentation (admission).

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3803. Patient Presentation, Cath

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121110, DCM, "Patient Presentation")	1	M		
2	>	CONTAINS	TEXT	EV (122128, DCM, "Patient Transferred From")	1	U		
3	>	CONTAINS	DATETIME	EV (15, NCDR [2.0b], "Admission DateTime")	1	U		
4	>	CONTAINS	CODE	EV (17, NCDR [2.0b], "Admission Status")	1	U		DCID 3729 “Admission Status”
5	>	CONTAINS	CODE	EV (18, NCDR [2.0b], "Insurance Payor Type")	1	U		DCID 3730 “Insurance Payor”
6	>	CONTAINS	CODE	EV (46, NCDR [2.0b], "Congestive Heart Failure Prior to Procedure")	1	U		DCID 230 “Yes-No”
7	>	CONTAINS	CODE	EV (47, NCDR [2.0b], "NYHA Classification")	1	UC	IFF Row 6 Value code meaning is <yes>	DCID 3736 “NYHA Classification”
8	>	CONTAINS	CODE	EV (48, NCDR [2.0b], "Noninvasive Testing - Ischemia")	1	U		DCID 3737 “Non-invasive Test - Ischemia”
9	>	CONTAINS	CODE	EV (49, NCDR [2.0b], "Pre-Cath Angina Type")	1	U		DCID 3738 “Pre-Cath Angina Type”
10	>	CONTAINS	CODE	EV (50, NCDR [2.0b], "Pre-Cath Canadian Classification")	1	U		DCID 3719 “Canadian Clinical Classification”
11	>	CONTAINS	CODE	EV (51, NCDR [2.0b], "Acute Coronary Syndrome Time Period")	1	UC	IFF Row 9 Value code meaning is <ACS>	DCID 3735 “Acute Coronary Syndrome Time Period”
12	>	CONTAINS	CONTAINER	EV (18785-6, LN, "Indications for Procedure")	1	U		
13	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3727 “Indications for Catheterization”
14	>	CONTAINS	NUM	EV (10230-1, LN, "LV Ejection Fraction")	1-n	U		UNITS = EV (%, UCUM, "%")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>>	HAS CONCEPT MOD	CODE	EV (370129005, SCT, "Measurement method")	1	U		DCID 3744 “EF Testing Method”
16	>>		INCLUDE	DTID 1000 “Quotation”	1	U		
17	>	CONTAINS	CODE	EV (121069, DCM, "Previous Finding")	1-n	U		DCID 3700 “Cath Diagnosis”
18	>	CONTAINS	TEXT	EV (121110, DCM, "Patient Presentation")	1	U		

TID 3806 Cath Procedure

This Template describes the patient-related information about this specific clinical encounter (catheterization).

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3806. Cath Procedure

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (55111-9, LN, "Current Procedure Descriptions")	1	M		
2	>	CONTAINS	DATETIME	EV (52, NCDR [2.0b], "Procedure DateTime")	1	M		
3	>	CONTAINS	TEXT	EV (53, NCDR [2.0b], "Procedure Number in this admission")	1	U		Up to three numeric characters
4	>	CONTAINS	TEXT	EV (121065, DCM, "Procedure Description")	1	U		
5	>	CONTAINS	COMPOSITE	EV (121120, DCM, "Cath Lab Procedure Log")	1-n	U		
6	>	CONTAINS	NUM	EV (55, NCDR [2.0b], "Fluoroscopy Time")	1	U		UNITS = DT (min, UCUM, "min")
7	>	CONTAINS	NUM	EV (122130, DCM, "Dose Area Product")	1	U		UNITS = DT (mGy.cm2, UCUM, "mGy.cm2")
8	>	CONTAINS	PNAME	EV (76, NCDR [2.0b], "Catheterization Operator")	1	M		
9	>	CONTAINS	PNAME	EV (121088, DCM, "Fellow")	1-n	U		
10	>	CONTAINS	PNAME	BCID 7453 “Performing Roles”	1-n	U		
11	>	CONTAINS	CODE	EV (122129, DCM, "PCI during this procedure")	1	U		DCID 230 “Yes-No”
12	>	CONTAINS	CONTAINER	EV (182833002, SCT, "Medication Given")	1	M		
13	>>	CONTAINS	CODE	EV (57, NCDR [2.0b], "Thrombolytics")	1	U		DCID 3740 “Thrombolytic Administration”
14	>>	CONTAINS	CODE	EV (58, NCDR [2.0b], "IIb/IIIa Blockade")	1	U		DCID 3741 “Medication Administration, Lab Visit”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>>	CONTAINS	CODE	EV (59, NCDR [2.0b], "Heparin")	1-n	U		DCID 3742 “Medication Administration, PCI”
16	>>	CONTAINS	CODE	EV (60, NCDR [2.0b], "Aspirin")	1	U		DCID 3741 “Medication Administration, Lab Visit”
17	>>	CONTAINS	CODE	EV (61, NCDR [2.0b], "Clopidogrel/Ticlopidine")	1	U		DCID 3743 “Clopidogrel/Ticlopidine Administration”
18	>>	CONTAINS	TEXT	EV (122083, DCM, "Drug administered")	1-n	U		
19	>	CONTAINS	CODE	EV (122138, DCM, "Circulatory Support")	1-n	U		DCID 3553 “Circulatory Support”
20	>	CONTAINS	CODE	EV (74, NCDR [2.0b], "Percutaneous Entry Site")	1	M		DCID 3746 “Percutaneous Entry Site”
21	>	CONTAINS	CODE	EV (75, NCDR [2.0b], "Closure Device")	1	U		DCID 3747 “Percutaneous Closure”

Content Item Descriptions

Row 3	Procedure Number (this admission) is specified as a numeric text string, and shall be treated as the ordinal of this catheterization procedure within the admission (i.e., "1" for the first catheterization, "2" for the second, etc.).

TID 3807 Percutaneous Coronary Intervention Procedure

This Template describes the various aspects of a coronary intervention.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3807. Percutaneous Coronary Intervention Procedure

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (55111-9, LN, "Current Procedure Descriptions")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		DT (122061, DCM, "Percutaneous Coronary Intervention")
3	>	CONTAINS	PNAME	EV (121114, DCM, "Performing Physician")	1	M		
4	>	CONTAINS	PNAME	EV (121088, DCM, "Fellow")	1-n	U		
5	>	CONTAINS	PNAME	DCID 7452 “Organizational Roles”	1-n	U		
6	>	CONTAINS	CODE	EV (260870009, SCT, "Procedure Priority")	1	M		DCID 3414 “Procedure Urgency”
7	>	CONTAINS	CONTAINER	EV (18785-6, LN, "Indications for Procedure")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
8	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3726 “Indications for Coronary Intervention”
9	>>	CONTAINS	CODE	EV (122172, DCM, "Acute MI Present")	1	U		DCID 230 “Yes-No”
10	>>>	HAS PROPERTIES	CODE	DT (122170, DCM, "Type of Myocardial Infarction")	1	U		DCID 3723 “MI Types”
11	>>>	HAS PROPERTIES	DATETIME	EV (122173, DCM, "ST Elevation Onset DateTime")	1	U		
12	>>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1-n	U		
13	>	CONTAINS	NUM	EV (122175, DCM, "Number of lesion interventions attempted")	1	M		UNITS = EV (1, UCUM, "units")
14	>	CONTAINS	NUM	EV (122176, DCM, "Number of lesion interventions successful")	1	M		UNITS = EV (1, UCUM, "units")
15	>	CONTAINS	CODE	EV (122177, DCM, "Procedure Result")	1	M		DCID 3749 “PCI Procedure Result”
16	>	CONTAINS	TEXT	EV (122177, DCM, "Procedure Result")	1	U		
17	>	CONTAINS	INCLUDE	DTID 3808 “Lesion Intervention Information”	1-n	M		

Content Item Descriptions

Rows 8 and 12	Allow the recording of findings as either codes or as text; the same finding shall not be recorded as both.
Rows 15 and 16	Allow the recording of procedure results as either codes or as text, but not as both.

TID 3808 Lesion Intervention Information

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3808. Lesion Intervention Information

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122178, DCM, "Lesion Intervention Information")	1	M		
2	>	CONTAINS	INCLUDE	DTID 3105 “Lesion Identification and Properties”	1	M		
3	>	CONTAINS	CODE	EV (108, NDR [2.0b], "Previous Dilation")	1	U		DCID 3750 “Previously Dilated Lesion”
4	>	CONTAINS	CODE	EV (103, NDR [2.0b], "Guidewire crossing lesion")	1	U		DCID 3752 “Guidewire Crossing”
5	>	CONTAINS	CODE	EV (116682006, SCT, "Uses Equipment")	1-n	M		DCID 3411 “Intracoronary Devices”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>>	HAS CONCEPT MOD	CODE	EV (122111, DCM, "Primary Intervention Device")	1	MC	IF Device is Primary for this Lesion	DCID 230 “Yes-No”
7	>>	HAS PROPERTIES	TEXT	EV (121145, DCM, "Description of Material")	1	U		
8	>>	HAS PROPERTIES	NUM	DCID 3423 “Numeric Device Characteristics”	1-n	U		
9	>>	HAS PROPERTIES	NUM	DCID 3425 “Intervention Parameters”	1-n	U		
10	>>	HAS PROPERTIES	DATETIME	EV (122105, DCM, "DateTime of Intervention")	1	U		
11	>>	HAS PROPERTIES	NUM	EV (122106, DCM, "Duration of Intervention")	1	U		UNITS = EV (s, UCUM, "s")
12	>	CONTAINS	NUM	EV (408715008, SCT, "Lumen Diameter Stenosis")	1	M		UNITS = EV (%, UCUM, "%")
13	>>	HAS CONCEPT MOD	CODE	EV (129085009, SCT, "Catheterization Procedure Phase")	1	M		EV (128960007, SCT, "Post-intervention Phase")
14	>>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	U		DCID 3745 “Calculation Method”
15	>>		INCLUDE	DTID 1000 “Quotation”	1	U		
16	>	CONTAINS	CODE	EV (122110, DCM, "Post-Intervention TIMI Flow")	1	U		DCID 3713 “TIMI Flow Characteristics”
17	>	CONTAINS	CODE	EV (115, NCDR [2.0b], "Dissection in segment observed")	1	U		DCID 230 “Yes-No”
18	>	CONTAINS	CODE	EV (116, NCDR [2.0b], "Acute closure observed")	1	U		DCID 230 “Yes-No”
19	>	CONTAINS	CODE	EV (117, NCDR [2.0b], "Acute closure re-opened")	1	UC	IFF Row 18 value is <yes>	DCID 230 “Yes-No”
20	>	CONTAINS	CODE	EV (118, NCDR [2.0b], "Perforation occurred")	1	U		DCID 230 “Yes-No”
21	>	CONTAINS	IMAGE	DT (121080, DCM, "Best illustration of finding")	1	U		
22	>	CONTAINS	TEXT	DT (122177, DCM, "Procedure Result")	1	U		

TID 3809 Other Interventional Procedures

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3809. Other Interventional Procedures

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (55111-9, LN, "Current Procedure Descriptions")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		BCID 3406 “Non-coronary Transcatheter Interventions”
3	>	CONTAINS	TEXT	EV (121065, DCM, "Procedure Description")	1	U		
4	>	CONTAINS	CODE	DT (121065, DCM, "Procedure Description")	1	U		
5	>	CONTAINS	TEXT	DT (122177, DCM, "Procedure Result")	1	U		

Content Item Descriptions

Rows 3 and 4	Allow the recording of procedure description as either code or as text; the same description shall not be recorded as both.

TID 3810 Cardiac Catheterization Findings

The Cardiac Catheterization Findings Template provides the structure for the diagnostic findings of the cath procedure, organized into sub-sections based on type of sub-procedure. It also provides for top-level summary findings and diagnoses.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3810. Cardiac Catheterization Findings

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	CONTAINS	INCLUDE	DTID 3812 “Hemodynamic Findings”	1	U		
3	>	CONTAINS	INCLUDE	DTID 3817 “Coronary Arteriography Findings”	1	U		
4	>	CONTAINS	INCLUDE	DTID 3814 “Left Ventriculography Findings”	1	U		
5	>	CONTAINS	INCLUDE	DTID 3815 “Right Ventriculography Findings”	1	U		
6	>	CONTAINS	INCLUDE	DTID 3818 “Other Cardiographic Findings”	1-n	U		
7	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3700 “Cath Diagnosis”
8	>>	HAS PROPERTIES	CODE	EV (246112005, SCT, "Severity")	1	U		DCID 3716 “Severity”
9	>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1-n	U		

Content Item Descriptions

Rows 7 and 9	Allow the recording of findings as either codes or as text; the same finding shall not be recorded as both.

TID 3812 Hemodynamic Findings

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3812. Hemodynamic Findings

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		DT (44324008, SCT, "Hemodynamic measurements")
3	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3640 “Hypertension”
4	>>		INCLUDE	DTID 1350 “Negation Modifier, Presence of Finding”	1	U		
5	>>	HAS PROPERTIES	CODE	EV (246112005, SCT, "Severity")	1	U		DCID 3716 “Severity”
6	>	CONTAINS	CODE	DCID 3641 “Hemodynamic Assessments”	1-n	U		DCID 3642 “Degree Findings”
7	>>	HAS PROPERTIES	CODE	EV (260905004, SCT, "Condition")	1	U		EV (414576002, SCT, "Large v-wave")
8	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		EV (413985002, SCT, "Diastolic pressure equalization")
9	>	CONTAINS	INCLUDE	DTID 3819 “Common Findings”	1-n	U		$Report = DT (122120, DCM, "Hemodynamics Report")

Content Item Descriptions

Row 4	(Through TID 3819 “Common Findings”) may be used to encode any significant hemodynamic numeric measurements. For reference, see TID 3550 “Pressure Waveform Measurements” and TID 3560 “Derived Hemodynamic Measurements”.

TID 3814 Left Ventriculography Findings

The information contained here about the left ventricle is relatively qualitative in nature. It is a high-level summary of the more detailed information that may be contained in an optional Quantitative Ventricular Analysis report. This Template addresses findings about any ventricular septal defect (Row 7), the myocardial wall (Row 11), and about the aortic root (Row 16).

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3814. Left Ventriculography Findings

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		DT (265484009, SCT, "Left Ventriculography")
3	>	CONTAINS	CODE	EV (366188009, SCT, "Left Ventricular Function - Finding")	1	M		DCID 242 “Normal-Abnormal”
4	>		INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (10230-1, LN, "LV Ejection Fraction") $Units = EV (%, UCUM, "%") $Method = DCID 3748 “Angiographic EF Testing Method” $Derivation = DCID 3745 “Calculation Method”
5	>	CONTAINS	CODE	EV (250929008, SCT, "Left Ventricular Cavity Size")	1	U		DCID 3705 “Chamber Size”
6	>	CONTAINS	CODE	EV (250909007, SCT, "Left Ventricular Contractility")	1	U		DCID 3706 “Overall Contractility”
7	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1	U		EV (30288003, SCT, "Ventricular Septal Defect")
8	>>	HAS PROPERTIES	CODE	EV (116676008, SCT, "Associated Morphology")	1	U		DCID 3707 “VSD Description”
9	>	CONTAINS	INCLUDE	DTID 3816 “Ventricular Assessment”	1	U		
10	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	U		
11	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DT (272657006, SCT, "Myocardial Wall")
12	>>	CONTAINS	CODE	EV (18179-2, LN, "Wall Segment")	1-n	M		BCID 3717 “Myocardial Wall Segments”
13	>>>	HAS PROPERTIES	CODE	EV (60797005, SCT, "Cardiac Wall Motion")	1	M		DCID 3703 “Wall Motion”
14	>>>	HAS PROPERTIES	CODE	EV (116676008, SCT, "Associated Morphology")	1	U		DCID 3704 “Myocardium Wall Morphology Findings”
15	>>>	HAS PROPERTIES	NUM	DT (246262008, SCT, "Score")	1	U		
16	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	U		
17	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DT (364091008, SCT, "Aortic Root")
18	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	M		DCID 3709 “Aortic Root Description”

TID 3815 Right Ventriculography Findings

The information contained here about right ventricle is relatively qualitative in nature. It is a high-level summary of the more detailed information that may be contained in an optional Quantitative Ventricular Analysis report.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3815. Right Ventriculography Findings

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		DT (265483003, SCT, "Right Ventriculography")
3	>		INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (10231-9, LN, "RV Ejection Fraction")) $Units = EV (%, UCUM, "%") $Method = DCID 3748 “Angiographic EF Testing Method” $Derivation = DCID 3745 “Calculation Method”
4	>	CONTAINS	CODE	EV (250964004, SCT, "Right Ventricular Cavity Size")	1	U		DCID 3705 “Chamber Size”
5	>	CONTAINS	CODE	EV (250949004, SCT, "Right Ventricular Contractility")	1	U		DCID 3706 “Overall Contractility”
6	>	CONTAINS	INCLUDE	DTID 3816 “Ventricular Assessment”	1	U		

TID 3816 Ventricular Assessment

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3816. Ventricular Assessment

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 3701 “Cardiac Valves and Tracts”
3	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	M		DCID 3711 “Valvular Abnormalities”
4	>>	HAS PROPERTIES	CODE	EV (246112005, SCT, "Severity")	1	U		DCID 3716 “Severity”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>>	HAS PROPERTIES	NUM	DT (246262008, SCT, "Score")	1	U		
6		CONTAINS	INCLUDE	DTID 3819 “Common Findings”	1-n	U		$Report = DT (122292, DCM, "Quantitative Ventriculography Report")

TID 3817 Coronary Arteriography Findings

The information contained here about with regards to coronary artery lesions is relatively qualitative in nature. It is a high-level summary of the more detailed information that may be contained in an optional Quantitative Coronary Arteriography report. This Template addresses findings about the individual arteries (Row 4), and about individual lesions (Row 9).

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3817. Coronary Arteriography Findings

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		DT (33367005, SCT, "Coronary Arteriography")
3	>	CONTAINS	CODE	EV (364092001, SCT, "Coronary artery feature")	1	U		DCID 3710 “Coronary Dominance”
4	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
5	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		BCID 3015 “Coronary Arteries”
6	>>>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical modifier")	1	U		BCID 3019 “Cardiovascular Anatomic Location Modifiers”
7	>>	CONTAINS	CODE	EV (122134, DCM, "Vessel Morphology")	1-n	U		DCID 3712 “Vessel Descriptors”
8	>>	CONTAINS	INCLUDE	DTID 3819 “Common Findings”	1-n	U		
9	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
10	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DT (371895000, SCT, "Coronary artery lesion (culprit)")
11	>>	CONTAINS	INCLUDE	DTID 3105 “Lesion Identification and Properties”	1	M		
12	>>	CONTAINS	INCLUDE	DTID 3819 “Common Findings”	1-n	U		$Report = DT (122291, DCM, "Quantitative Arteriography Report")

TID 3818 Other Cardiographic Findings

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3818. Other Cardiographic Findings

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		BCID 3428 “Imaging Procedures”
3	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	U		BCID 3630 “Cardiovascular Anatomic Locations”
4	>	CONTAINS	INCLUDE	DTID 3819 “Common Findings”	1-n	M		

TID 3819 Common Findings

Table TID 3819. Parameters

Parameter Name	Parameter Usage
$Report	Title of composite object (evidence document) referenced

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3819. Common Findings

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (121071, DCM, "Finding")	1	U		
2			IMAGE	DT (121080, DCM, "Best illustration of finding")	1	U		
3			NUM		1	U		
4	>		INCLUDE	DTID 1000 “Quotation”	1	U		
5			COMPOSITE	DT (122073, DCM, "Current procedure evidence")	1	U		
6	>	HAS PROPERTIES	CODE	EV (121144, DCM, "Document Title")	1	U		$Report

Content Item Descriptions

Row 3	May be used to encode any significant image- or waveform-based numeric measurements, with post-coordination of the Concept Name using child Content Items (with relationship HAS CONCEPT MOD), as permitted by Section 6.2.4. The source of the measurement may be noted using the Quotation Template in Row 4.

TID 3820 Adverse Outcomes, Cath

Type: **Extensible**
Order: **Significant**

Root: **No**

Table TID 3820. Adverse Outcomes, Cath

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121113, DCM, "Complications")	1	M		
2	>	CONTAINS	CODE	EV (116224001, SCT, "Complication of Procedure")	1-n	U		DCID 3755 “Cath Complications”
3	>>	HAS CONCEPT MOD	CODE	EV (118578006, SCT, "Relative Time")	1	U		DCID 12102 “Temporal Periods Relating to Procedure or Therapy”
4	>	CONTAINS	CODE	EV (116224001, SCT, "Complication of Procedure")	1-n	U		DCID 3754 “Vascular Complications”
5	>>	HAS CONCEPT MOD	CODE	EV (118578006, SCT, "Relative Time")	1	U		DCID 12102 “Temporal Periods Relating to Procedure or Therapy”
6	>	CONTAINS	TEXT	EV (116224001, SCT, "Complication of Procedure")	1-n	U		
7	>	CONTAINS	CODE	EV (122179, DCM, "Peri-procedural MI occurred")	1	U		DCID 230 “Yes-No”
8	>>	INFERRED FROM	NUM	EV (122181, DCM, "CK-MB peak")	1	U		UNITS = EV ([iU], UCUM, "International unit")
9	>>>	HAS PROPERTIES	NUM	EV (371933006, SCT, "Normal Range Upper Limit")	1	M		UNITS = EV ([iU], UCUM, "International unit")
10	>>	INFERRED FROM	NUM	EV (122180, DCM, "CK-MB baseline")	1	M		UNITS = EV ([iU], UCUM, "International unit")
11	>	CONTAINS	IMAGE	DT (121080, DCM, "Best illustration of finding")	1-n	U		

Content Item Descriptions

Rows 2, 3 and 4	Allow the recording of outcomes as either codes or as text; the same outcome shall not be recorded as both.

TID 3824 Summary, Cath

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 3824. Summary, Cath

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121111, DCM, "Summary")	1	M		
2	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3728 “Cath Findings”
3	>>	HAS PROPERTIES	CODE	EV (246112005, SCT, "Severity")	1	U		DCID 3716 “Severity”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>	CONTAINS	TEXT	EV (121111, DCM, "Summary")	1	U		
5	>	CONTAINS	TEXT	EV (121075, DCM, "Recommendation")	1-n	U		

TID 3828 Discharge Summary, Cath

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3828. Discharge Summary, Cath

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121115, DCM, "Discharge Summary")	1	M		
2	>	CONTAINS	DATETIME	EV (122163, DCM, "Discharge DateTime")	1	U		
3	>	CONTAINS	CODE	EV (122164, DCM, "Coronary Artery Bypass During This Admission")	1	U		DCID 230 “Yes-No”
4	>>	HAS PROPERTIES	CODE	EV (260870009, SCT, "Procedure Priority")	1	U		BCID 3414 “Procedure Urgency”
5	>>	HAS PROPERTIES	DATETIME	EV (122146, DCM, "Procedure DateTime")	1	U		
6	>	CONTAINS	CODE	EV (122166, DCM, "Death During This Admission")	1	U		DCID 230 “Yes-No”
7	>>	HAS PROPERTIES	DATETIME	EV (122165, DCM, "DateTime of Death")	1	U		
8	>>	HAS PROPERTIES	CODE	EV (25, NCDR [2.0b], "Primary Cause of Death")	1	U		DCID 3733 “Primary Cause of Death”
9	>>	HAS PROPERTIES	CODE	EV (122167, DCM, "Death During Catheterization")	1	U		DCID 230 “Yes-No”
10	>	CONTAINS	TEXT	EV (121111, DCM, "Summary")	1	U		

TID 3829 Problem Properties

Table TID 3829. Parameters

Parameter Name	Parameter Usage
$Problem	Coded Value or Context Group for problem
$ModType	Modifier Name for Concept Name of problem
$ModValue	Modifier Value for Concept Name of problem
$Therapy	Coded Value or Context Group for therapy received for problem
$Stage	Coded Value or Context Group for problem or disease stage

Type: **Extensible**

Order: **Significant**
Root: **No**

Table TID 3829. Problem Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121430, DCM, "Concern")	1	M		
2	>	CONTAINS	DATETIME	DT (121431, DCM, "DateTime Concern Noted")	1	U		
3	>	CONTAINS	DATETIME	DT (121432, DCM, "DateTime Concern Resolved")	1	U		
4	>	CONTAINS	CODE	DCID 3769 “Concern Types”	1	M		$Problem
5	>>	HAS CONCEPT MOD	CODE	$ModType	1-n	U		$ModValue
6	>>	HAS PROPERTIES	DATETIME	DT (111526, DCM, "DateTime Started")	1	U		
7	>>	HAS PROPERTIES	DATETIME	DT (121433, DCM, "DateTime Problem Resolved")	1	U		
8	>>	HAS PROPERTIES	CODE	DT (33999-4, LN, "Status")	1	U		DCID 3770 “Problem Status”
9	>>	HAS PROPERTIES	CODE	DT (246112005, SCT, "Severity")	1	U		DCID 3716 “Severity”
10	>>	HAS PROPERTIES	CODE	DT (258214002, SCT, "Stage")	1	U		$Stage
11	>	CONTAINS	CODE	DT (11323-3, LN, "Health status")	1	U		DCID 3772 “Health Status”
12	>	CONTAINS	CODE	EV (277132007, SCT, "Therapy")	1-n	U		$Therapy
13	>>	HAS PROPERTIES	CODE	DT (33999-4, LN, "Status")	1	U		DCID 3773 “Use Status”
14	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

TID 3830 Procedure Properties

Table TID 3830. Parameters

Parameter Name	Parameter Usage
$ProcType	Coded Value for class of procedure
$Procedure	Coded Value or Context Group for procedure
$ModType	Modifier Name for Concept Name of procedure
$ModValue	Modifier Value for Concept Name of procedure

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3830. Procedure Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	$ProcType	1	M		$Procedure
2	>	HAS CONCEPT MOD	CODE	$ModType	1-n	U		$ModValue
3	>	HAS PROPERTIES	DATETIME	DT (111526, DCM, "DateTime Started")	1	U		
4	>	HAS PROPERTIES	COMPOSITE	EV (371524004, SCT, "Clinical Report")	1-n	U		
5	>>	HAS PROPERTIES	CODE	EV (121144, DCM, "Document Title")	1	U		
6	>	HAS PROPERTIES	TEXT	EV (371524004, SCT, "Clinical Report")	1-n	U		Description of report with URL or other reference for report
7	>	HAS PROPERTIES	TEXT	DT (121434, DCM, "Service Delivery Location")	1	U		
8	>	HAS PROPERTIES	PNAME	DT (121435, DCM, "Service Performer")	1	UC	IF Service Performer is a person	
9	>	HAS PROPERTIES	TEXT	DT (121435, DCM, "Service Performer")	1	UC	IF Service Performer is an organization	
10	>	HAS PROPERTIES	TEXT	EV (121106, DCM, "Comment")	1	U		

TID 3831 Medical Device Use

Table TID 3831. Parameters

Parameter Name	Parameter Usage
$Device	Coded Value for type of device

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3831. Medical Device Use

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121436, DCM, "Medical Device Used")	1	M		$Device
2	>	HAS PROPERTIES	DATETIME	DT (111526, DCM, "DateTime Started")	1	U		
3	>	HAS PROPERTIES	DATETIME	DT (111527, DCM, "DateTime Ended")	1	U		
4	>	HAS PROPERTIES	CODE	DT (33999-4, LN, "Status")	1	U		DCID 3773 “Use Status”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	HAS PROPERTIES	TEXT	EV (121106, DCM, "Comment")	1	U		

CT/MR Cardiovascular Analysis Report Templates

TID 3900 CT/MR Cardiovascular Analysis Report

Root Template of the Non-invasive Computed Tomography and Magnetic Resonance Cardiovascular Analysis Report.

This Template contains the top level structure and includes subordinate Templates for the various analyses.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 3900. CT/MR Cardiovascular Analysis Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (122600, DCM, "Cardiovascular Analysis Report")	1	M		Root node
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure Reported")	1-n	M		DCID 3820 “Non-invasive Vascular Procedures”
3	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
4	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		
5	>	CONTAINS	INCLUDE	DTID 3602 “Cardiovascular Patient Characteristics”	1	U		
6	>	CONTAINS	INCLUDE	DTID 3802 “Cardiovascular Patient History”	1	U		
7	>	CONTAINS	INCLUDE	DTID 3901 “Procedure Summary”	1	U		
8	>	CONTAINS	INCLUDE	DTID 3902 “Vascular Analysis”	1	U		$AnalysisPerformed = EV (122605, DCM, "Vascular Morphological Analysis")
9	>	CONTAINS	INCLUDE	DTID 3902 “Vascular Analysis”	1	U		$AnalysisPerformed = EV (122606, DCM, "Vascular Functional Analysis")
10	>	CONTAINS	INCLUDE	DTID 3920 “Ventricular Analysis”	1	U		
11	>	CONTAINS	INCLUDE	DTID 3927 “Report Summary”	1-n	U		

TID 3901 Procedure Summary

Contains summaries related to the performed procedures.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3901. Procedure Summary

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (55111-9, LN, "Current Procedure Descriptions")	1	M		
2	>	CONTAINS	TEXT	EV (121065, DCM, "Procedure Description")	1-n	M		
3	>	CONTAINS	CODE	DT (RID11248, RADLEX, "Cardiac Gating")	1	U		DCID 3104 “Cardiac Synchronization Technique”

TID 3902 Vascular Analysis

Contains either morphological or functional vascular measurement results of an analysis

Table TID 3902. Parameters

Parameter Name	Parameter Usage
$AnalysisPerformed	Analysis Performed

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3902. Vascular Analysis

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, "Analysis Performed")	1	M		$AnalysisPerformed
3	>	CONTAINS	INCLUDE	DTID 3905 “Calcium Scoring Results”	1	UC	IFF the value of row 2 equals EV (122605, DCM, "Vascular Morphological Analysis")	
4	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (281231009, SCT, "Blood Vessel of Head") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12105 “Intracranial Cerebral Vessels” $AnalysisPerformed = $AnalysisPerformed

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (281231009, SCT, "Blood Vessel of Head") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12105 “Intracranial Cerebral Vessels” $AnalysisPerformed = $AnalysisPerformed
6	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (281231009, SCT, "Blood Vessel of Head") $SectionLaterality = EV (66459002, SCT, "Unilateral") $Anatomy = DCID 12106 “Intracranial Cerebral Vessels (Unilateral)” $AnalysisPerformed = $AnalysisPerformed
7	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (119568004, SCT, "Artery of Neck") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12104 “Extracranial Arteries” $AnalysisPerformed = $AnalysisPerformed
8	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (119568004, SCT, "Artery of Neck") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12104 “Extracranial Arteries” $AnalysisPerformed = $AnalysisPerformed
9	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (70791007, SCT, "Artery of Lower Extremity ") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12109 “Lower Extremity Arteries” $AnalysisPerformed = $AnalysisPerformed

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
10	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (70791007, SCT, "Artery of Lower Extremity ") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12109 “Lower Extremity Arteries” $AnalysisPerformed = $AnalysisPerformed
11	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (122774002, SCT, "Vein of Lower Extremity") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12110 “Lower Extremity Veins” $AnalysisPerformed = $AnalysisPerformed
12	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (122774002, SCT, "Vein of Lower Extremity") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12110 “Lower Extremity Veins” $AnalysisPerformed = $AnalysisPerformed
13	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (75531005, SCT, "Artery of Upper Extremity") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12107 “Upper Extremity Arteries” $AnalysisPerformed = $AnalysisPerformed
14	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (75531005, SCT, "Artery of Upper Extremity") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12107 “Upper Extremity Arteries” $AnalysisPerformed = $AnalysisPerformed

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (122775001, SCT, "Vein of Upper Extremity") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12108 “Upper Extremity Veins” $AnalysisPerformed = $AnalysisPerformed
16	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (122775001, SCT, "Vein of Upper Extremity") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12108 “Upper Extremity Veins” $AnalysisPerformed = $AnalysisPerformed
17	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (303402001, SCT, "Vascular Structure of Kidney") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12115 “Renal Vessels” $AnalysisPerformed = $AnalysisPerformed
18	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (303402001, SCT, "Vascular Structure of Kidney") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12115 “Renal Vessels” $AnalysisPerformed = $AnalysisPerformed
19	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (118634008, SCT, "Artery of Abdomen") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12111 “Abdominal Arteries (Lateral)” $AnalysisPerformed = $AnalysisPerformed
20	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (118634008, SCT, "Artery of Abdomen") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12111 “Abdominal Arteries (Lateral)” $AnalysisPerformed = $AnalysisPerformed

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
21	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (118634008, SCT, "Artery of Abdomen") $SectionLaterality = EV (66459002, SCT, "Unilateral") $Anatomy = DCID 12112 “Abdominal Arteries (Unilateral)” $AnalysisPerformed = $AnalysisPerformed
22	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (84421000, SCT, "Vein of Abdomen") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12113 “Abdominal Veins (Lateral)” $AnalysisPerformed = $AnalysisPerformed
23	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (84421000, SCT, "Vein of Abdomen") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12113 “Abdominal Veins (Lateral)” $AnalysisPerformed = $AnalysisPerformed
24	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (84421000, SCT, "Vein of Abdomen") $SectionLaterality = EV (66459002, SCT, "Unilateral") $Anatomy = DCID 12114 “Abdominal Veins (Unilateral)” $AnalysisPerformed = $AnalysisPerformed
25	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (81040000, SCT, "Pulmonary Artery Structure") $SectionLaterality = EV (66459002, SCT, "Unilateral") $Anatomy = DCID 3829 “Pulmonary Arteries” $AnalysisPerformed = $AnalysisPerformed
26	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (41801008, SCT, "Coronary Artery Structure") $Anatomy = DCID 3015 “Coronary Arteries” $AnalysisPerformed = $AnalysisPerformed

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
27	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (85439003, SCT, "Cardiac Vein Structure") $Anatomy = DCID 3839 “Coronary Veins” $AnalysisPerformed = $AnalysisPerformed
28	>	CONTAINS	INCLUDE	DTID 3906 “Vascular Section Measurements”	1-n	U		$VascularSection = DT (122972007, SCT, "Pulmonary Venous Structure") $Anatomy = DCID 3840 “Pulmonary Veins” $AnalysisPerformed = $AnalysisPerformed

TID 3905 Calcium Scoring Results

Contains the calcium scoring results related to plaque findings, vessels or the whole body.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3905. Calcium Scoring Results

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	CONTAINS	CODE	EV (111004, DCM, "Analysis Performed")	1	M		EV (122603, DCM, "Calcium Scoring Analysis")
3	>	CONTAINS	NUM	EV (122657, DCM, "Agatston Score Threshold")	1	U		UNITS = DT ([hnsf'U], UCUM, "Hounsfield unit")
4	>	CONTAINS	NUM	EV (122658, DCM, "Calcium Mass Threshold")	1	U		UNITS = DT (mg/cm3, UCUM, "mg/cm3")
5	>	CONTAINS	NUM	EV (122659, DCM, "Calcium Scoring Calibration")	1	U		UNITS = DT (mg/[hnsf'U].cm3, UCUM, "mg/[hnsf'U].cm3")
6	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (112058, DCM, "Calcium Score") $Method = EV (112055, DCM, "Agatston Scoring Method") $Units = DT (1, UCUM, "no units")
7	>	CONTAINS	NUM	EV (122660, DCM, "Calcium Volume")	1	U		UNITS = EV (mm3, UCUM, "mm3")
8	>	CONTAINS	NUM	EV (122661, DCM, "Calcium Mass")	1	U		UNITS = EV (mg, UCUM, "mg")
9	>	CONTAINS	NUM	EV (246206008, SCT, "Number of Lesions")	1	U		UNITS = DT ({lesions}, UCUM, "lesions")
10	>	CONTAINS	INCLUDE	DTID 3909 “Best Illustration of Findings”	1-n	U		

TID 3906 Vascular Section Measurements

Sections of vascular measurements are section containers of an anatomical region consisting of measurement group containers containing the measurements.

Table TID 3906. Parameters

Parameter Name	Parameter Usage
$VascularSection	The concept name of the region or structure of which the anatomy is part
$SectionLaterality	The laterality (if any) of the anatomy in this section heading
$Anatomy	The concept name of the vascular anatomy
$AnalysisPerformed	The context of the measurements performed during the analysis

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3906. Vascular Section Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	$VascularSection	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	MC	IFF $SectionLaterality has a value	$SectionLaterality
3	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	M		
4	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		$Anatomy
5	>>	CONTAINS	CODE	EV (122686, DCM, "Parent Vessel Finding")	1-n	U		DCID 3810 “Vascular Morphology”
6	>>>		INCLUDE	DTID 1350 “Negation Modifier, Presence of Finding”	1	U		
7	>>	CONTAINS	INCLUDE	DTID 3905 “Calcium Scoring Results”	1	UC	IF the value of $AnalysisPerformed equals (122605, DCM, "Vascular Morphological Analysis")	
8	>>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
9	>>>	HAS CONCEPT MOD	CODE	EV (125101, DCM, "Vessel Branch")	1-n	UC	IF concept value of row 4 is not equal to (41801008, SCT, "Coronary Artery Structure")	DCID 12117 “Vessel Branch Modifiers”
10	>>>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical Modifier")	1	UC	IF concept value of row 4 is not equal to (41801008, SCT, "Coronary Artery Structure")	DCID 12116 “Vessel Segment Modifiers”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
11	>>>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical Modifier")	1	UC	IF concept value of row 4 equals (41801008, SCT, "Coronary Artery Structure")	DCID 3019 “Cardiovascular Anatomic Location Modifiers”
12	>>>	CONTAINS	INCLUDE	DTID 3907 “Vessel Measurements”	1	U		
13	>>>	CONTAINS	INCLUDE	DTID 3908 “Vascular Lesion”	1-n	UC	IF the value of$AnalysisPerformed equals (122605, DCM, "Vascular Morphological Analysis")	
14	>>>	CONTAINS	INCLUDE	DTID 3910 “Flow Quantification”	1	UC	IF the value of$AnalysisPerformed equals (122606, DCM, "Vascular Functional Analysis")	

Content Item Descriptions

Row 3	This Findings container allows an application to group related vessels or branches
Row 5	The characteristics associated with the parent vessel shall also be reported in the findings Container for the parent vessel. Negative findings (characteristics not present) need not be reported in the parent vessel Container.

TID 3907 Vessel Measurements

Contains measurements made on vessel level.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3907. Vessel Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	NUM	EV (408715008, SCT, "Lumen Diameter Stenosis")	1	U		UNITS = DT (%, UCUM, "%")
2		CONTAINS	NUM	EV (408714007, SCT, "Lumen Area Stenosis")	1	U		UNITS = DT (%, UCUM, "%")
3		CONTAINS	NUM	EV (121206, DCM, "Distance")	1-n	U		UNITS = DT (mm, UCUM, "mm")
4	>	HAS CONCEPT MOD	CODE	EV (122340, DCM, "Fiducial Feature")	2	M		
5	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 244 “Laterality”
6	>		INCLUDE	DTID 320 “Image or Spatial Coordinates”	1	U		
7		CONTAINS	NUM	EV (397413000, SCT, "Vessel Lumen Diameter")	1-n	U		UNITS = DT (mm, UCUM, "mm")
8	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	U		DCID 3488 “Min/Max/Mean”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9	>	HAS PROPERTIES	NUM	EV (122337, DCM, "Relative Position")	1	U		UNITS = EV (mm, UCUM, "mm")
10	>>	HAS CONCEPT MOD	CODE	EV (122340, DCM, "Fiducial Feature")	1	M		DCID 3837 “Fiducial Feature”

Content Item Descriptions

Rows 3-5	The distance between two identified fiducial features
Rows 7-10	Measurement of vessel diameter made at a position relative to a fiducial feature
Row 9	A positive value indicates a distance in the direction of flow within the vessel

TID 3908 Vascular Lesion

Specifies properties and the features of a vascular lesion detected during the analysis. In addition it is possible to reference or include growing of lesions over time by adding references to previous reports or by adding previous examination results.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3908. Vascular Lesion

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (300577008, SCT, "Lesion Finding")	1	M		
2	>	CONTAINS	TEXT	EV (121151, DCM, "Lesion Identifier")	1	M		
3	>	CONTAINS	INCLUDE	DTID 3909 “Best Illustration of Findings”	1-n	U		
4	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1-n	U		
5	>	CONTAINS	NUM	EV (122337, DCM, "Relative Position")	1	U		UNITS = EV (mm, UCUM, "mm")
6	>>	HAS CONCEPT MOD	CODE	EV (122340, DCM, "Fiducial Feature")	1	M		DCID 3837 “Fiducial Feature”
7	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (397413000, SCT, "Vessel Lumen Diameter") $Derivation = DCID 3838 “Diameter Derivation” $FindingSite = DCID 3486 “Vascular Measurement Sites” $Units = DT (mm, UCUM, "mm")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
8	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (397415007, SCT, "Vessel Lumen Cross-Sectional Area") $Derivation = DCID 3838 “Diameter Derivation” $FindingSite = DCID 3486 “Vascular Measurement Sites” $Units = DT (mm2, UCUM, "mm2")
9	>	CONTAINS	CODE	EV (116676008, SCT, "Associated Morphology")	1-n	M		DCID 3810 “Vascular Morphology”
10	>>		INCLUDE	DTID 3909 “Best Illustration of Findings”	1-n	U		
11	>>	HAS PROPERTIES	TEXT	EV (121106, DCM, "Comment")	1-n	U		
12	>>		INCLUDE	DTID 3911 “Plaque Properties”	1	MC	IFF value of row 9 equals (1522000, SCT, "Plaque")	
13	>>		INCLUDE	DTID 3912 “Stenosis Properties”	1	MC	IFF value of row 9 equals (415582006, SCT, "Stenosis")	
14	>>		INCLUDE	DTID 3913 “Aneurysm Properties”	1	MC	IFF value of row 9 equals (85659009, SCT, "Aneurysm")	
15	>>		INCLUDE	DTID 3914 “Arterial Dissection Properties”	1	MC	IFF value of row 9 equals (710864009, SCT, "Arterial Dissection")	
16	>>	HAS PROPERTIES	CODE	EV (116676008, SCT, "Associated Morphology")	1	MC	IFF value of row 9 equals (107671003, SCT, "Vascular Sclerosis")	DCID 3817 “Vascular Sclerosis Types”
17	>>		INCLUDE	DTID 3915 “Vascular Occlusion Properties”	1	MC	IFF value of row 9 equals EV (26036001, SCT, "Occlusion")	
18	>>		INCLUDE	DTID 3916 “Stent Properties”	1	MC	IFF value of row 9 equals (65818007, SCT, "Stent")	

Content Item Descriptions

Row 5	A positive value indicates a distance in the direction of flow within the vessel For example: An aneurysm with relative position -4 mm from the renal arteries would begin superior to the renal arteries.

Row 7, 8	These rows are associated with the position of the most significant effect of the lesion, i.e., maximum diameter of aneurysm or the minimum diameter of stenosis

TID 3909 Best Illustration of Findings

Specification of images, waveforms, spatial and temporal coordinates used to illustrate findings.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3909. Best Illustration of Findings

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	IMAGE	EV (121080, DCM, "Best illustration of finding")	1	U		
2		CONTAINS	WAVEFORM	EV (121080, DCM, "Best illustration of finding")	1	U		
3		CONTAINS	SCOORD	EV (121080, DCM, "Best illustration of finding")	1	U		
4	>	SELECTED FROM	IMAGE		1	M		
5		CONTAINS	TCOORD	EV (121080, DCM, "Best illustration of finding")	1	U		
6	>	SELECTED FROM	SCOORD	no purpose of reference	1	MC	XOR row 8, 9	
7	>>	SELECTED FROM	IMAGE		1	M		must be a multi-frame image
8	>	SELECTED FROM	WAVEFORM		1	MC	XOR row 6, 9	
9	>	SELECTED FROM	IMAGE		1	MC	XOR row 6, 8	must be a multi-frame image

Content Item Descriptions

Rows 4, 7, 8, 9	No purpose of reference is specified.

TID 3910 Flow Quantification

Contains the flow quantification measurement results

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3910. Flow Quantification

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, "Analysis Performed")	1	M		EV (122604, DCM, "Flow Quantification")
3	>	HAS OBS CONTEXT	INCLUDE	DTID 3929 “Cardiovascular Analysis Observation Context”	1	U		
4	>	HAS OBS CONTEXT	DATETIME	EV (398201009, SCT, "Start DateTime")	1	M		
5	>	HAS OBS CONTEXT	DATETIME	EV (397898000, SCT, "Stop DateTime")	1	M		
6	>	CONTAINS	INCLUDE	DTID 3990 “Two Dimensional Measurement Graph”	1	U		$MeasurementGraph = EV (122667, DCM, "Blood velocity vs. time of cardiac cycle") $X-Concept = EV (122666, DCM, "Time relative to R-wave peak") $Y-Concept = EV (252064005, SCT, "Arterial Velocity") $X-AxisUnits = DT (ms, UCUM, "ms") $Y-AxisUnits = DT (cm/s, UCUM, "cm/s")
7	>	CONTAINS	NUM	EV (122642, DCM, "Velocity Encoding Minimum Value")	1	U		UNITS = DT (cm/s, UCUM, "cm/s")
8	>	CONTAINS	NUM	EV (122643, DCM, "Velocity Encoding Maximum Value")	1	U		UNITS = DT (cm/s, UCUM, "cm/s")
9	>	CONTAINS	CONTAINER	EV (125007, DCM, "Measurement Group")	1-n	M		
10	>>	HAS CONCEPT MOD	TEXT	EV (363698007, SCT, "Finding Site")	1	MC	XOR row 11	
11	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	MC	XOR row 10	
12	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122207, DCM, "Blood velocity, peak") $Units = DT (cm/s, UCUM, "cm/s")
13	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122205, DCM, "Blood velocity, mean") $Units = DT (cm/s, UCUM, "cm/s")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
14	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (58190003, SCT, "Blood Flow") $Derivation = EV (373098007, SCT, "Mean") $Units = DT (ml/s, UCUM, "ml/s")
15	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-2	U		$Measurement = EV (58190003, SCT, "Blood Flow") $ModType = EV (260674002, SCT, "Direction of flow") $ModValue = DCID 12221 “Flow Direction” $Units = DT (ml/s, UCUM, "ml/s")
16	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122645, DCM, "Net Forward Volume") $Units = DT (ml, UCUM, "ml")
17	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122645, DCM, "Net Forward Volume") $ModType = EV (121425, DCM, "Index") $ModValue = DT (8277-6, LN, "BSA") $Units = DT (ml/m2, UCUM, "ml/m2")
18	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (397415007, SCT, "Vessel Lumen Cross-Sectional Area") $Derivation = DCID 3488 “Min/Max/Mean” $Units = DT (mm2, UCUM, "mm2")

TID 3911 Plaque Properties

Properties of a plaque finding

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3911. Plaque Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	NUM	EV (122376, DCM, "Total Plaque Volume")	1	U		UNITS = DT (mm3, UCUM, "mm3")
2		HAS PROPERTIES	CODE	EV (112233002, SCT, "Margin")	1	U		DCID 3715 “Lesion Margin”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3		HAS PROPERTIES	CODE	EV (49755003, SCT, "Morphologically Abnormal Structure")	1-n	M		DCID 3802 “Plaque Structures”
4		HAS PROPERTIES	INCLUDE	DTID 3905 “Calcium Scoring Results”	1	U		
5		HAS PROPERTIES	CODE	EV (121071, DCM, "Finding")	1	U		DT (413912008, SCT, "Contrast Media Seen in Plaque")

TID 3912 Stenosis Properties

Properties of a stenosis finding

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3912. Stenosis Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	CODE	EV (370129005, SCT, "Measurement method")	1	M		DCID 3804 “Stenosis Measurement Methods”
2		HAS PROPERTIES	CODE	EV (246244004, SCT, "Type of Stenosis")	1	U		DCID 3805 “Stenosis Types”
3		HAS PROPERTIES	CODE	EV (47429007, SCT, "Associated with")	1	U		DCID 3815 “Source of Vascular Finding”
4		HAS PROPERTIES	CODE	EV (300842002, SCT, "Shape")	1	U		DCID 3806 “Stenosis Shape”
5		HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (397413000, SCT, "Vessel Lumen Diameter") $Derivation = DCID 3488 “Min/Max/Mean” $Units = DT (mm, UCUM, "mm")
6		HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (397415007, SCT, "Vessel Lumen Cross-Sectional Area") $Derivation = DCID 3488 “Min/Max/Mean” $Units = DT (mm2, UCUM, "mm2")
7		HAS PROPERTIES	NUM	EV (408716009, SCT, "Stenotic Lesion Length")	1	U		UNITS = DT (mm, UCUM, "mm")
8		HAS PROPERTIES	CODE	EV (408716009, SCT, "Stenotic Lesion Length")	1	U		DCID 3831 “Stenosis Length”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9		HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (408714007, SCT, "Lumen Area Stenosis") $Derivation = DCID 3488 “Min/Max/Mean” $Units = DT (%, UCUM, "%")
10		HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (408715008, SCT, "Lumen Diameter stenosis") $Derivation = DCID 3488 “Min/Max/Mean” $Units = DT (%, UCUM, "%")
11		HAS PROPERTIES	CODE	EV (408714007, SCT, "Lumen Area Stenosis")	1-n	U		DCID 3832 “Stenosis Grade”
12	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	M		DCID 3488 “Min/Max/Mean”
13		HAS PROPERTIES	CODE	EV (408715008, SCT, "Lumen Diameter Stenosis")	1-n	U		DCID 3832 “Stenosis Grade”
14	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	M		DCID 3488 “Min/Max/Mean”

TID 3913 Aneurysm Properties

Properties of an aneurysm finding

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3913. Aneurysm Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	CODE	EV (116676008, SCT, "Associated Morphology")	1-n	M		DCID 3808 “Aneurysm Types”
2		HAS PROPERTIES	CODE	EV (47429007, SCT, "Associated with")	1	U		DCID 3815 “Source of Vascular Finding”
3		HAS PROPERTIES	INCLUDE	DTID 3917 “Aneurysm Measurements”	1	U		
4		HAS PROPERTIES	CODE	EV (116676008, SCT, "Associated Morphology")	1-n	UC	IFF value of row 1 equals (85726003, SCT, "Mixed Aneurysm")	DCID 3808 “Aneurysm Types”
5	>	HAS PROPERTIES	INCLUDE	DTID 3917 “Aneurysm Measurements”	1	U		

TID 3914 Arterial Dissection Properties

Properties of a arterial dissection finding

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3914. Arterial Dissection Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	CODE	EV (122387, DCM, "Dissection Classification")	1	M		DCID 3492 “Vascular Dissection Classifications”
2		HAS PROPERTIES	CODE	EV (134198009, SCT, "Etiology")	1	U		DCID 3809 “Associated Conditions”
3		HAS PROPERTIES	NUM	EV (410668003, SCT, "Length")	1	U		UNITS = DT (mm, UCUM, "mm")
4		HAS PROPERTIES	CODE	EV (413530006, SCT, "Anatomic structure potentially involved in evolution of disease")	1-n	U		DCID 3827 “Vessel Segments”

TID 3915 Vascular Occlusion Properties

Properties of vascular occlusion finding

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3915. Vascular Occlusion Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	CODE	EV (246244004, SCT, "Type of Stenosis")	1	M		DCID 3805 “Stenosis Types”
2		HAS PROPERTIES	CODE	EV (47429007, SCT, "Associated with")	1	U		DCID 3815 “Source of Vascular Finding”
3		HAS PROPERTIES	CODE	EV (300842002, SCT, "Shape")	1	U		DCID 3806 “Stenosis Shape”
4		HAS PROPERTIES	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (408716009, SCT, "Stenotic Lesion Length") $Method = DCID 3804 “Stenosis Measurement Methods” $Units = DT (mm, UCUM, "mm")

TID 3916 Stent Properties

Properties of a stent finding

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3916. Stent Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	CODE	EV (122685, DCM, "Stent Composition")	1-n	M		DCID 3814 “Stent Composition”
2		HAS PROPERTIES	NUM	EV (408706001, SCT, "Vascular Stent Diameter")	1	U		UNITS = DT (mm, UCUM, "mm")
3		HAS PROPERTIES	NUM	EV (408703009, SCT, "Vascular Stent Length")	1	U		UNITS = DT (mm, UCUM, "mm")
4		HAS PROPERTIES	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3813 “Stent Findings”
5	>		INCLUDE	DTID 3912 “Stenosis Properties”	1	MC	IFF value of row 4 equals (415582006, SCT, "Stenosis")	

TID 3917 Aneurysm Measurements

Measurements of aneurysms. TID 300 “Measurement” invoked from this Template allows the measurement to reference an image used as the source of the measurement.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3917. Aneurysm Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (410668003, SCT, "Length") $ModType = EV (260858005, SCT, "Extent") $ModValue = DT (38717003, SCT, "Longitudinal") $Units = DT (mm, UCUM, "mm")
2			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (118565006, SCT, "Volume") $Method = DCID 3807 “Volume Measurement Methods” $Units = DT (mm3, UCUM, "mm3")
3			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (415816005, SCT, "Vessel Lumen Cross-Sectional Area Increase") $Units = DT (%, UCUM, "%")
4			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (415816005, SCT, "Vessel Lumen Cross-Sectional Area Increase") $Units = DT (mm2, UCUM, "mm2")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (415817001, SCT, "Vessel Lumen Cross-Sectional Diameter Increase") $Units = DT (%, UCUM, "%")
6			INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (415817001, SCT, "Vessel Lumen Cross-Sectional Diameter Increase") $Units = DT (mm, UCUM, "mm")

TID 3920 Ventricular Analysis

Contains the ventricular functional measurement results.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3920. Ventricular Analysis

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, "Analysis Performed")	1	M		EV (122601, DCM, "Ventricular Analysis")
3	>	HAS OBS CONTEXT	INCLUDE	DTID 3929 “Cardiovascular Analysis Observation Context”	1	U		
4	>	CONTAINS	INCLUDE	DTID 3921 “Ventricular Measurements”	1-n	U		$Ventricle = EV (87878005, SCT, "Left Ventricle")
5	>	CONTAINS	INCLUDE	DTID 3921 “Ventricular Measurements”	1-n	U		$Ventricle = EV (53085002, SCT, "Right Ventricle")
6	>	CONTAINS	INCLUDE	DTID 3925 “Ventricular Thickening Analysis”	1-n	U		
7	>	CONTAINS	INCLUDE	DTID 3926 “Myocardial Perfusion Analysis”	1-n	U		

TID 3921 Ventricular Measurements

Ventricular measurement results related to the volume of a ventricle.

Table TID 3921. Parameters

Parameter Name	Parameter Usage
$Ventricle	Describes if either the left or the right ventricle was examined

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3921. Ventricular Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		$Ventricle
3	>	CONTAINS	INCLUDE	DTID 3922 “Absolute Values of Ventricular Measurements”	1	M		
4	>	CONTAINS	INCLUDE	DTID 3923 “BSA-Normalized Ventricular Measurements”	1	U		
5	>	CONTAINS	INCLUDE	DTID 3924 “Heart Rate-Normalized Ventricular Measurements”	1	U		

TID 3922 Absolute Values of Ventricular Measurements

Ventricular measurement results related to the absolute volume of a ventricle.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3922. Absolute Values of Ventricular Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (122608, DCM, "Absolute Values Of Ventricular Measurements")	1	M		
2	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3833 “Cardiac Ejection Fraction” $ModType = DT (122670, DCM, "Papillary Muscle Included/Excluded") $ModValue = DCID 3821 “Papillary Muscle Included/Excluded” $Method = DCID 3807 “Volume Measurement Methods” $Units = DT (%, UCUM, "%")
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3835 “Cardiac Volume Measurements” $ModType = DT (122670, DCM, "Papillary Muscle Included/Excluded") $ModValue = DCID 3821 “Papillary Muscle Included/Excluded” $Units = DT (ml, UCUM, "ml")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (82799009, SCT, "Cardiac Output") $ModType = DT (122670, DCM, "Papillary Muscle Included/Excluded") $ModValue = DCID 3821 “Papillary Muscle Included/Excluded” $Units = DT (l/min, UCUM, "l/min")
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (122447, DCM, "Wall Mass") $ModType = DT (122670, DCM, "Papillary Muscle Included/Excluded") $ModValue = DCID 3821 “Papillary Muscle Included/Excluded” $Units = DT (g, UCUM, "g")
6	>>	HAS CONCEPT MOD	CODE	EV (272518008, SCT, "Cardiac Cycle Point")	1	U		DCID 12233 “Cardiac Phase”
7	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122616, DCM, "Peak Ejection Rate") $Units = DT (ml/s, UCUM, "ml/s")
8	>	CONTAINS	NUM	EV (122617, DCM, "Peak Ejection Time")	1	U		UNITS = EV (s, UCUM, "s")
9	>>	HAS CONCEPT MOD	CODE	EV (122611, DCM, "Reference Point")	1	M		EV (416190007, SCT, "End-Diastolic")
10	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122618, DCM, "Peak Filling Rate") $Units = DT (ml/s, UCUM, "ml/s")
11	>	CONTAINS	NUM	EV (122619, DCM, "Peak Filling Time")	1	U		UNITS = DT (s, UCUM, "s")
12	>>	HAS CONCEPT MOD	CODE	EV (122611, DCM, "Reference Point")	1	M		DT (109070, DCM, "End-Systolic")

TID 3923 BSA-Normalized Ventricular Measurements

Ventricular measurement results normalized based on the Body Surface Area

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3923. BSA-Normalized Ventricular Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (122609, DCM, "Normalized values of ventricular measurements")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121425, DCM, "Index")	1	M		DT (8277-6, LN, "Body Surface Area")
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (8277-6, LN, "Body Surface Area") $Unit = DT (m2, UCUM, "m2")
4	>>	INFERRED FROM	CODE	EV (8278-4, LN, "Body Surface Area Formula")	1	U		BCID 3663 “Body Surface Area Equations”
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3835 “Cardiac Volume Measurements” $ModType = EV (121425, DCM, "Index") $ModValue = DT (8277-6, LN, "Body Surface Area") $Units = DT (ml/m2, UCUM, "ml/m2")
6	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (54993008, SCT, "Cardiac Index") $Units = DT (ml/min/m2, UCUM, "(ml/min) /m2")
7	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-2	U		$Measurement = EV (122447, DCM, "Wall Mass") $ModType = EV (121425, DCM, "Index") $ModValue = DT (8277-6, LN, "Body Surface Area") $Units = DT (g/m2, UCUM, "g/m2")
8	>>	HAS CONCEPT MOD	CODE	DT (122670, DCM, "Papillary Muscle Included/Excluded")	1	U		DCID 3821 “Papillary Muscle Included/Excluded”
9	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122618, DCM, "Peak Filling Rate") $ModType = EV (121425, DCM, "Index") $ModValue = DT (8277-6, LN, "Body Surface Area") $Units = DT (ml/s/m2, UCUM, "(ml/s) /m2")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
10	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (70822001, SCT, "Peak Cardiac Ejection Fraction") $ModType = EV (121425, DCM, "Index") $ModValue = DT (8277-6, LN, "Body Surface Area") $Units = DT (%/m2, UCUM, "%/m2")

TID 3924 Heart Rate-Normalized Ventricular Measurements

Ventricular measurement results normalized based on the Heart Rate

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3924. Heart Rate-Normalized Ventricular Measurements

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (122609, DCM, "Normalized values of ventricular measurements")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121425, DCM, "Index")	1	M		DT (8867-4, LN, "Heart Rate")
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3835 “Cardiac Volume Measurements” $ModType = EV (121425, DCM, "Index") $ModValue = DT (8867-4, LN, "Heart Rate") $Units = DT (ml/{H.B.}/min, UCUM, "ml/BPM")
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (82799009, SCT, "Cardiac Output") $ModType = EV (121425, DCM, "Index") $ModValue = DT (8867-4, LN, "Heart Rate") $Units = DT (ml/min/{H.B.}/min, UCUM, "(ml/min) /BPM")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122618, DCM, "Peak Filling Rate") $ModType = EV (121425, DCM, "Index") $ModValue = DT (8867-4, LN, "Heart Rate") $Units = DT (ml/s/{H.B.}/min, UCUM, "(ml/s) /BPM")
6	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (70822001, SCT, "Peak Cardiac Ejection Fraction") $ModType = EV (121425, DCM, "Index") $ModValue = DT (8867-4, LN, "Heart Rate") $Units = DT (%/{H.B.}/min, UCUM, "%/BPM")

TID 3925 Ventricular Thickening Analysis

Data of a ventricular wall thickening analysis

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3925. Thickening Analysis

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, "Analysis Performed")	1	M		EV (122607, DCM, "Thickening Analysis")
3	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	M		
4	>>	CONTAINS	CODE	EV (363698007, SCT, "Finding Site")	1-n	MC	XOR row 5	DCID 3717 “Myocardial Wall Segments”
5	>>	CONTAINS	TEXT	EV (363698007, SCT, "Finding Site")	1	MC	XOR row 4	
6	>>	CONTAINS	INCLUDE	DTID 3909 “Best Illustration of Findings”	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
7	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122445, DCM, "Wall Thickness") $ModType = EV (272518008, SCT, "Cardiac Cycle Point") $ModValue = DT (416190007, SCT, "End-Diastolic") $Units = DT (mm, UCUM, "mm")
8	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = EV (122445, DCM, "Wall Thickness") $ModType = EV (272518008, SCT, "Cardiac Cycle Point") $ModValue = DT (109070, DCM, "End-Systolic") $Units = DT (mm, UCUM, "mm")
9	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (122624, DCM, "Wall Thickness Ratio end-systolic to end-diastolic") $Units = DT (%, UCUM, "%")
10	>>	CONTAINS	CODE	EV (60797005, SCT, "Cardiac Wall Motion")	1	U		DCID 3703 “Wall Motion”
11	>>	CONTAINS	CODE	EV (116676008, SCT, "Associated Morphology")	1	U		DCID 3704 “Myocardium Wall Morphology Findings”

TID 3926 Myocardial Perfusion Analysis

Myocardial perfusion analysis results.

Perfusion measurements may be performed either for one or more ventricular segments (row 4) or for substructures inside ventricular segments (row 14)

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3926. Myocardial Perfusion Analysis

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111004, DCM, "Analysis Performed")	1	M		EV (122602, DCM, "Myocardial Perfusion Analysis")
3	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	M		
4	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1-n	MC	XOR row 6	DCID 3717 “Myocardial Wall Segments”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>>>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical Modifier")	1	U		DCID 3843 “Myocardial Subsegment”
6	>>	HAS CONCEPT MOD	TEXT	EV (363698007, SCT, "Finding Site")	1	MC	XOR row 4	
7	>>	HAS ACQ CONTEXT	CODE	EV (109054, DCM, "Patient State")	1	U		DCID 3101 “Cardiac Procedural State Values”
8	>>	HAS ACQ CONTEXT	INCLUDE	DTID 3106 “Drugs/Contrast Administered”	1-n	U		
9	>>	CONTAINS	TEXT	EV (122627, DCM, "Curve Fit Method")	1	U		
10	>>	CONTAINS	INCLUDE	DTID 3909 “Best Illustration of Findings”	1-n	U		
11	>>	CONTAINS	TEXT	EV (122628, DCM, "Baseline Result Correction")	1	U		
12	>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3836 “Time-based Perfusion Measurements” $Units = EV (s, UCUM, "s")
13	>>	CONTAINS	NUM	EV (122640, DCM, "Image Interval")	1	U		UNITS = EV (ms, UCUM, "ms")
14	>>	CONTAINS	NUM	EV (122635, DCM, "MR Perfusion Peak")	1	U		UNITS = DT (1, UCUM, "No units")
15	>>	CONTAINS	NUM	EV (122636, DCM, "MR Perfusion Slope")	1	U		UNITS = DT (1, UCUM, "No units")
16	>>	CONTAINS	NUM	EV (122637, DCM, "MR Perfusion Time Integral")	1	U		UNITS = DT (1, UCUM, "No units")
17	>>	CONTAINS	CONTAINER	EV (125007, DCM, "Measurement Group")	1-n	U		
18	>>>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 3836 “Time-based Perfusion Measurements” $Units = EV (s, UCUM, "s")
19	>>>	CONTAINS	NUM	EV (122635, DCM, "MR Perfusion Peak")	1	U		UNITS = DT (1, UCUM, "No units")
20	>>>	CONTAINS	NUM	EV (122636, DCM, "MR Perfusion Slope")	1	U		UNITS = DT (1, UCUM, "No units")
21	>>>	CONTAINS	NUM	EV (122637, DCM, "MR Perfusion Time Integral")	1	U		UNITS = DT (1, UCUM, "No units")
22	>>	CONTAINS	CODE	EV (122664, DCM, "Late Contrast Enhancement")	1	U		DCID 230 “Yes-No”
23	>>>	HAS ACQ CONTEXT	NUM	EV (122665, DCM, "Time after start of injection of contrast bolus")	1	M		UNITS = DT (s, UCUM, "s")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
24	>>>	HAS ACQ CONTEXT	NUM	EV (122668, DCM, "Time interval since detection of contrast bolus")	1	U		UNITS = DT (s, UCUM, "s")

Content Item Descriptions

Row 12	Image Interval is appropriate only for equally time-spaced images

TID 3927 Report Summary

Contains summary elements based on the findings of the report

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 3927. Report Summary

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	BCID 7001 “Diagnostic Imaging Report Headings”	1	M		
2	>	CONTAINS	CODE	BCID 7002 “Diagnostic Imaging Report Elements”	1-n	U		
3	>>		INCLUDE	DTID 320 “Image or Spatial Coordinates”	1-n	U		
4	>>		INCLUDE	DTID 321 “Waveform or Temporal Coordinates”	1-n	U		
5	>	CONTAINS	TEXT	BCID 7002 “Diagnostic Imaging Report Elements”	1-n	U		
6	>>		INCLUDE	DTID 320 “Image or Spatial Coordinates”	1-n	U		
7	>>		INCLUDE	DTID 321 “Waveform or Temporal Coordinates”	1-n	U		

TID 3929 Cardiovascular Analysis Observation Context

Defines the observation context for cardiovascular Functional Analysis

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3929. Cardiovascular Analysis Observation Context

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS OBS CONTEXT	NUM	EV (8867-4, LN, "Heart Rate")	1	U		UNITS = DT ({H.B.}/min, UCUM, "BPM")
2		HAS OBS CONTEXT	CODE	EV (8884-9, LN, "Cardiac Rhythm")	1	U		DCID 3826 “Heart Rhythm”
3		HAS OBS CONTEXT	NUM	EV (271649006, SCT, "Systolic Blood Pressure")	1	U		UNITS = DT (mm[Hg], UCUM, "mmHg")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4		HAS OBS CONTEXT	NUM	EV (271650006, SCT, "Diastolic Blood Pressure")	1	U		UNITS = DT (mm[Hg], UCUM, "mmHg")
5		HAS OBS CONTEXT	CODE	EV (364062005, SCT, "Respiration Observable")	1	U		DCID 3823 “Respiratory Status”
6		HAS ACQ CONTEXT	INCLUDE	DTID 3106 “Drugs/Contrast Administered”	1-n	U		

TID 3990 Two Dimensional Measurement Graph

Generic Template representing arbitrary two-dimensional graphs.

Table TID 3990. Parameters

Parameter Name	Parameter Usage
$MeasurementGraph	Describes what the graph is about
$X-Concept	Concept of the X-Axis of the graph
$Y-Concept	Concept of the Y-Axis of the graph
$X-AxisUnit	Unit of the x-axis data elements
$Y-AxisUnit	Unit of the y-axis data elements

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 3990. Two Dimensional Measurement Graph

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$MeasurementGraph	1	M		
2	>	CONTAINS	CODE	EV (122698, DCM, "X-Concept")	1	M		$X-Concept
3	>	CONTAINS	CODE	EV (122699, DCM, "Y-Concept")	1	M		$Y-Concept
4	>	CONTAINS	CONTAINER	~~no concept name~~	1-n	MC	IF Row 7, 8, or 9 not present	
5	>>	CONTAINS	NUM	$X-Concept	1	M		UNITS = $X-AxisUnit
6	>>	CONTAINS	NUM	$Y-Concept	1	M		UNITS = $Y-AxisUnit
7	>	CONTAINS	IMAGE	$MeasurementGraph	1	U		
8	>	CONTAINS	WAVEFORM	$MeasurementGraph	1	U		
9	>	CONTAINS	COMPOSITE	$MeasurementGraph	1	U		

Content Item Descriptions

Row 4	No Concept Name is used for this container.
Rows 5-6	The X-Concept values shall be monotonically increasing.
Row 7	Secondary Capture Image containing a bitmap representation of the graph

Row 8	Waveform containing a representation of the graph
Row 9	Composite Object containing a rendered representation of the graph

Mammography CAD SR IOD Templates

The Templates that comprise the Mammography CAD SR IOD are interconnected as in Figure A-8:

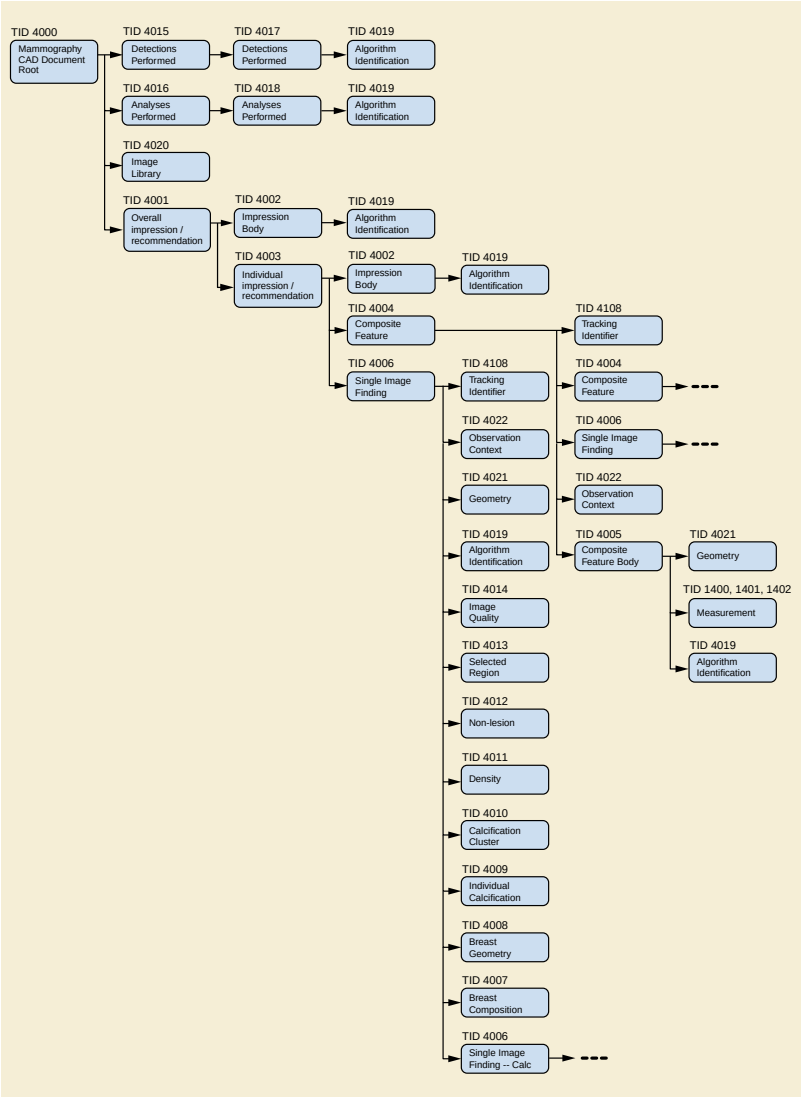

Figure A-8. Mammography CAD SR IOD Template Structure

In Figure A-8, '···' indicates possible recursive application of subordinate Templates.

TID 4000 Mammography CAD Document Root

This Template forms the top of a content tree that allows a mammography CAD device to describe the results of detection and analysis of Mammographic evidence. This Template, together with its subordinate Templates, describes both the results for presentation to radiologists and partial product results for consumption by mammography CAD devices in subsequent mammography CAD reports.

This Template defines a Container that contains an Image Library, the mammography CAD results, and summaries of the detection and analysis algorithms performed. The Image Library contains the Image SOP Class and Instance UIDs, and selected attributes for each image referenced in either the algorithm summaries or mammography CAD results.

The Summary of Detections and Summary of Analyses sub-trees gather lists of algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in these sub-trees. This information forms the basis for understanding why a mammography CAD report may produce no (or fewer than anticipated) results. Mammography CAD results are constructed bottom-up, starting from Single Image Findings (see TID 4006 “Mammography CAD Single Image Finding”), associated as Composite Features (see TID 4004 “Mammography CAD Composite Feature”), and from which Individual and Overall Impressions are formed.

See Figure E.1-1 “Top Levels of Mammography CAD SR Content Tree” in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **Yes**

Table TID 4000. Mammography CAD Document Root

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111036, DCM, "Mammography CAD Report")	1	M		Root node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	CONTAINS	CONTAINER	EV (111028, DCM, "Image Library")	1	M		
4	>>	CONTAINS	INCLUDE	DTID 4020 “CAD Image Library Entry”	1-n	M		$ImageLaterality = DCID 6022 “Side” $ImageView = DCID 4014 “View for Mammography” $ImageViewMod = DCID 4015 “View Modifier for Mammography”
5	>	CONTAINS	INCLUDE	DTID 4001 “Mammography CAD Overall Impression/Recommendation”	1	M		
6	>	CONTAINS	CODE	EV (111064, DCM, "Summary of Detections")	1	M		DCID 6042 “Status of Results”
7	>>	INFERRED FROM	INCLUDE	DTID 4015 “CAD Detections Performed”	1	MC	Shall be present unless the value of (111064, DCM, "Summary of Detections") is (111225, DCM, "Not Attempted")	$DetectionCode = DCID 6014 “Mammography Single Image Finding”
8	>	CONTAINS	CODE	EV (111065, DCM, "Summary of Analyses")	1	M		DCID 6042 “Status of Results”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9	>>	INFERRED FROM	INCLUDE	DTID 4016 “CAD Analyses Performed”	1	MC	Shall be present unless the value of (111065, DCM, "Summary of Analyses") is (111225, DCM, "Not Attempted")	$AnalysisCode = DCID 6043 “Types of Mammography CAD Analysis”

Content Item Descriptions

Image Library	The "Image Library" section of the Content Tree (TID 4000 “Mammography CAD Document Root”, row 3) shall include all Image SOP Instances from the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module. If a portion of another instance of a Mammography CAD SR IOD is duplicated in the "Overall Impression/ Recommendation" section of the Content Tree, the "Image Library" shall also include all Image Library Entries referenced from the duplicated portions of the Mammography CAD SR.
Detections Performed	The "Detections Performed" and "Analyses Performed" sections of the Content Tree (TID 4000 “Mammography CAD Document Root”, rows 6 and 8) together shall reference all Image SOP Instances included in the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module.
Analyses Performed	

TID 4001 Mammography CAD Overall Impression/Recommendation

This Template forms the top of the mammography CAD results sub-tree. The contents of this Template describe the overall impression the mammography CAD device had for the mammographic evidence presented and any recommendations that the mammography CAD device made. The details of the overall impression and recommendation are expressed in this instance of the Mammography CAD Impression/Recommendation Body (see TID 4002 “Mammography CAD Impression/Recommendation Body”). The data from which the details are inferred, are expressed in the Mammography CAD Individual Impression/Recommendations (see TID 4003 “Mammography CAD Individual Impression/Recommendation”), of which there may be several.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4001. Mammography CAD Overall Impression/Recommendation

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111017, DCM, "CAD Processing and Findings Summary")	1	M		DCID 6047 “CAD Processing and Findings Summary”
2	>	HAS PROPERTIES	INCLUDE	DTID 4002 “Mammography CAD Impression/Recommendation Body”	1	U		
3	>	INFERRED FROM	INCLUDE	DTID 4003 “Mammography CAD Individual Impression/Recommendation”	1-n	MC	Shall be present if 1 or more (111059, DCM, "Single Image Finding") or (111015, DCM, "Composite Feature") Content Items are reported.	

Content Item Descriptions

CAD Processing and Findings Summary	This code value is used to express if and why the Overall Impression/Recommendation sub-tree is empty. The Summary of Detections and Summary of Analyses sub-trees of the Document Root node contain detail about which (if any) algorithms succeeded or failed. If the code value indicates that there were no findings, then the code value can be used to determine whether mammography CAD processing occurred successfully, without parsing the Summary of Detections and Summary of Analyses sub-trees.
Row 3	There are no constraints regarding the 1-n multiplicity of the inclusion of TID 4003 “Mammography CAD Individual Impression/Recommendation” or its underlying structure, other than the TID 4001 “Mammography CAD Overall Impression/Recommendation” and TID 4003 “Mammography CAD Individual Impression/Recommendation” requirements. Individual Impression/Recommendation containers may be organized, for example per image, per finding or composite feature, or some combination thereof.

TID 4002 Mammography CAD Impression/Recommendation Body

The details of an impression and recommendation are expressed in this Template. It is applied to both Mammography CAD Overall Impression/Recommendation (TID 4001 “Mammography CAD Overall Impression/Recommendation”) and Mammography CAD Individual Impression/Recommendation (TID 4003 “Mammography CAD Individual Impression/Recommendation”).

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4002. Mammography CAD Impression/Recommendation Body

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111005, DCM, "Assessment Category")	1-n	MC	At least one of rows 1, 3, 5, 6, 8, 9 shall be present.	DCID 6026 “Mammography Assessment”
2	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 6022 “Side”
3			CODE	EV (111023, DCM, "Differential Diagnosis/ Impression")	1-n	MC	At least one of rows 1, 3, 5, 6, 8, 9 shall be present.	DCID 6002 “Change Since Last Mammogram or Prior Surgery”
4	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 6022 “Side”
5			TEXT	EV (111033, DCM, "Impression Description")	1	MC	At least one of rows 1, 3, 5, 6, 8, 9 shall be present.	
6			CODE	EV (111053, DCM, "Recommended Follow-up")	1-n	MC	At least one of rows 1, 3, 5, 6, 8, 9 shall be present.	DCID 6028 “Mammography Recommended Follow-up”
7	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 6022 “Side”
8			NUM	EV (111055, DCM, "Recommended Follow-up Interval")	1	MC	At least one of rows 1, 3, 5, 6, 8, 9 shall be present. May be present only if (111054, DCM, "Recommended Follow-up Date") is not present.	UNITS = DCID 6046 “Units of Follow-up Interval” Values = Integer ≥ 0, where 0 = immediate follow-up

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9			DATE	EV (111054, DCM, "Recommended Follow-up Date")	1	MC	At least one of rows 1, 3, 5, 6, 8, 9 shall be present. May be present only if (111055, DCM, "Recommended Follow-up Interval") is not present.	Shall be later than date of exam
10			NUM	EV (111013, DCM, "Certainty of impression")	1	UC	May be present only if (111005, DCM, "Assessment Category"), (111023, DCM, "Differential Diagnosis/Impression") or (111033, DCM, "Impression Description") is present.	UNITS = EV (%, UCUM, "Percent") Values = 0 - 100
11			INCLUDE	DTID 4019 “Algorithm Identification”	1-n	M		
12			NUM	DCID 6142 “Calculated Value”	1-n	U		
13	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 6022 “Side”
14	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	M		DCID 6140 “Calculation Methods”
15	>	INFERRED FROM	TEXT	EV (112034, DCM, "Calculation Description")	1	U		

Content Item Descriptions

Certainty of Impression	The certainty that the device populating the Mammography CAD SR report places on this impression, where 0 equals no certainty and 100 equals certainty.
Impression Description	Free-form text describing the overall or an individual impression

TID 4003 Mammography CAD Individual Impression/Recommendation

This Template collects an individual impression the mammography CAD device had for a lesion, non-lesion object, or correlation of related objects. The details of the impression and recommendation are expressed in the Mammography CAD Impression/Recommendation Body (see TID 4002 “Mammography CAD Impression/Recommendation Body”). The data from which the details are inferred are expressed in the Composite Features (see TID 4004 “Mammography CAD Composite Feature”) and/or Single Image Findings (see TID 4006 “Mammography CAD Single Image Finding”) of which there may be several.

The sub-tree headed by this Template is illustrated in Figure E.1-3 “Example of Individual Impression/Recommendation Levels of Mammography CAD SR Content Tree” in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4003. Mammography CAD Individual Impression/Recommendation

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111034, DCM, "Individual Impression/ Recommendation")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, "Rendering Intent")	1	M		DCID 6034 “Intended Use of CAD Output”
3	>	CONTAINS	INCLUDE	DTID 4002 “Mammography CAD Impression/Recommendation Body”	1	U		
4	>	CONTAINS	INCLUDE	DTID 4004 “Mammography CAD Composite Feature”	1-n	MC	At least one of rows 4, 5 shall be present.	
5	>	CONTAINS	INCLUDE	DTID 4006 “Mammography CAD Single Image Finding”	1-n	MC	At least one of rows 4, 5 shall be present.	

Content Item Descriptions

Rendering Intent	This Content Item constrains the SCP receiving the Mammography CAD SR IOD in its use of the contents of this Template and its Target Content Items. Mammography CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent mammography CAD processing steps. Refer to Section O.2 “Structured Reporting Storage SOP Class SCU and SCP Behavior” in PS3.4.

TID 4004 Mammography CAD Composite Feature

This Template collects a composite feature for a lesion, non-lesion object, or correlation of related objects. The details of the composition are expressed in the Mammography CAD Composite Feature Body (see TID 4005 “Mammography CAD Composite Feature Body”). The data from which the details are inferred, are expressed in the Composite Features (see TID 4004 “Mammography CAD Composite Feature”) and/or Single Image Findings (see TID 4006 “Mammography CAD Single Image Finding”), of which there may be several.

A Composite Feature shall be INFERRED FROM any combination of two or more Composite Features or Single Image Findings or mixture thereof.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4004. Mammography CAD Composite Feature

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111015, DCM, "Composite Feature")	1	M		DCID 6016 “Mammography Composite Feature”
2	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, "Rendering Intent")	1	M		DCID 6034 “Intended Use of CAD Output”
3	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>	HAS PROPERTIES	INCLUDE	DTID 4005 “Mammography CAD Composite Feature Body”	1	M		
5	>	INFERRED FROM	INCLUDE	DTID 4004 “Mammography CAD Composite Feature”	1-n	MC	At least two items shall be present: two of row 5, two of row 6, or one of each.	
6	>	INFERRED FROM	INCLUDE	DTID 4006 “Mammography CAD Single Image Finding”	1-n	MC	At least two items shall be present: two of row 5, two of row 6, or one of each.	
7	>	HAS OBS CONTEXT	INCLUDE	DTID 4022 “CAD Observation Context”	1	MC	Shall be present only if this feature is incorporated from a different report than its parent.	

Content Item Descriptions

Rendering Intent	This Content Item constrains the SCP receiving the Mammography CAD SR IOD in its use of the contents of this Template and its Target Content Items. Mammography CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent mammography CAD processing steps. Refer to Section O.2 “Structured Reporting Storage SOP Class SCU and SCP Behavior” in PS3.4.

TID 4005 Mammography CAD Composite Feature Body

The details of a composite feature are expressed in this Template. It is applied to Mammography CAD Composite Feature (TID 4004 “Mammography CAD Composite Feature”).

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4005. Mammography CAD Composite Feature Body

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111016, DCM, "Composite type")	1	M		DCID 6035 “Composite Feature Relations” The value shall be (111155, DCM, "Target content items are related contra-laterally") if the parent Content Item has code value (129789007, SCT, "Focal asymmetric breast tissue") or (129790003, SCT, "Asymmetric breast tissue").
2			CODE	EV (111057, DCM, "Scope of Feature")	1	M		DCID 6036 “Scope of Feature”
3			INCLUDE	DTID 4019 “Algorithm Identification”	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4			NUM	EV (111011, DCM, "Certainty of Feature")	1	U		UNITS = EV (%, UCUM, "Percent") Value = 0 - 100
5			NUM	EV (111047, DCM, "Probability of cancer")	1	UC	May be present only if value of parent is not (111102, DCM, "Non-lesion")	UNITS = EV (%, UCUM, "Percent") Value = 0 - 100
6			CODE	EV (111042, DCM, "Pathology")	1-n	U		BCID 6030 “Mammography Pathology Codes”
7			INCLUDE	DTID 1400 “Linear Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1400 “Linear Measurement” shall be used.
8			INCLUDE	DTID 1401 “Area Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1401 “Area Measurement” shall be used.
9			INCLUDE	DTID 1402 “Volume Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1402 “Volume Measurement” shall be used.
10			INCLUDE	DTID 4021 “Mammography CAD Geometry”	1-n	U		
11			NUM	DCID 6037 “Mammography Quantitative Temporal Difference Type”	1-n	UC	May be present only if the value of (111016, DCM, "Composite type") is (111153, DCM, "Target content items are related temporally")	UNITS = DCID 7460 “Units of Linear Measurement” UNITS = DCID 7461 “Units of Area Measurement” UNITS = DCID 7462 “Units of Volume Measurement” UNITS = DT (1, UCUM, "no units")
12	>	R-INFERRED FROM	NUM		2	U		The referenced numeric values shall have the same Concept Name. Their UNITS shall be the same as row 11
13			CODE	EV (111049, DCM, "Qualitative Difference")	1-n	UC	May be present only if the value of (111016, DCM, "Composite type") is (111153, DCM, "Target content items are related temporally")	DCID 6038 “Mammography Qualitative Temporal Difference Type”
14	>	HAS PROPERTIES	TEXT	EV (111021, DCM, "Description of Change")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>	R-INFERRED FROM	CODE		2	M		The referenced code values shall have the same Concept Name and be from the same context group.
16			CODE	EV (111048, DCM, "Quadrant location")	1	U		DCID 6020 “Quadrant Location”
17			CODE	EV (111014, DCM, "Clockface or region")	1	U		DCID 6018 “Clockface Location or Region”
18			CODE	EV (111020, DCM, "Depth")	1	U		DCID 6024 “Depth”
19			CODE	EV (111035, DCM, "Lesion Density")	1	UC	May be present only if value of parent is (129788004, SCT, "Mammographic breast mass") or (129793001, SCT, "Mammography breast density")	DCID 6008 “Density Modifier”
20			CODE	EV (107644003, SCT, "Shape")	1	UC	May be present only if value of parent is (129788004, SCT, "Mammographic breast mass") or (129793001, SCT, "Mammography breast density")	DCID 6004 “Mammography Characteristics of Shape”
21			CODE	EV (111037, DCM, "Margins")	1-n	UC	May be present only if value of parent is (129788004, SCT, "Mammographic breast mass") or (129793001, SCT, "Mammography breast density")	DCID 6006 “Mammography Characteristics of Margin”
22			CODE	EV (111009, DCM, "Calcification Type")	1-n	UC	May be present only if value of parent is (129769006, SCT, "Calcification Cluster") or (129770007, SCT, "Individual Calcification")	DCID 6010 “Mammography Calcification Types”
23			CODE	EV (111008, DCM, "Calcification Distribution")	1	UC	May be present only if value of parent is (129769006, SCT, "Calcification Cluster")	DCID 6012 “Calcification Distribution Modifier”
24			NUM	EV (111038, DCM, "Number of calcifications")	1	UC	May be present only if value of parent is (129769006, SCT, "Calcification Cluster")	UNITS = EV (1, UCUM, "no units") Value = Integer 1 - n
25			NUM	DCID 6142 “Calculated Value”	1-n	U		
26	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	M		DCID 6140 “Calculation Methods”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
27	>	INFERRED FROM	TEXT	EV (112034, DCM, "Calculation Description")	1	U		

Content Item Descriptions

Certainty of Feature	The likelihood that the feature analyzed, and classified by the CODE specified in the Composite Feature parent Template, is in fact that type of feature.
Volume Measurement	If dimensions for a volume are to be stated in terms of length, width, and depth, then one shall use 3 instances of TID 1400 “Linear Measurement”.
Row 11	Values ≤ 0 are allowed. The two referenced numeric values are Target Content Items of the first generation Composite Feature or Single Image Finding children of this composite feature. Given the equation, A - B, the value representing A shall be referenced first.
Qualitative Difference	The two referenced code values are Target Content Items of the first generation Composite Feature or Single Image Finding children of this composite feature.

TID 4006 Mammography CAD Single Image Finding

This Template describes a single image finding for a lesion or other object. The details of the finding are expressed in this Template and/or more specific Templates. The details from which a single image Calcification Cluster is inferred may be expressed in a number of Single Image Findings (see TID 4006 “Mammography CAD Single Image Finding”) of type Individual Calcification.

A Single Image Finding of type Breast Composition may be INFERRED FROM by-reference to a Single Image Finding of type Breast Geometry.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4006. Mammography CAD Single Image Finding

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111059, DCM, "Single Image Finding")	1	M		DCID 6014 “Mammography Single Image Finding”
2	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, "Rendering Intent")	1	M		DCID 6034 “Intended Use of CAD Output”
3	>>	HAS PROPERTIES	NUM	EV (111071, DCM, "CAD Operating Point")	1	UC	IFF value of row 2 is (111151, DCM, "Presentation Optional") and row 9 of TID 4017 “CAD Detection Performed” is present	UNITS = DT ({1:n}, UCUM, "range: 1:n"), where n is the maximum specified in Row 9 of TID 4017 “CAD Detection Performed”. Value is restricted to being an integer
4	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		
5	>	HAS PROPERTIES	INCLUDE	DTID 4019 “Algorithm Identification”	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	HAS PROPERTIES	NUM	EV (111012, DCM, "Certainty of Finding")	1	U		UNITS = EV (%, UCUM, "Percent") Value = 0 - 100
7	>	HAS PROPERTIES	NUM	EV (111047, DCM, "Probability of cancer")	1	UC	May be present unless value of parent is (129715009, SCT, "Breast composition"), (111100, DCM, "Breast geometry"), (24142002, SCT, "Nipple"), (111099, DCM, "Selected region"), (111101, DCM, "Image quality") or (111102, DCM, "Non-lesion")	UNITS = EV (%, UCUM, "Percent") Value = 0 - 100
8	>	HAS PROPERTIES	INCLUDE	DTID 4021 “Mammography CAD Geometry”	1	MC	Shall be present unless value of parent is (129715009, SCT, "Breast composition"), (111100, DCM, "Breast geometry") or (111101, DCM, "Image quality")	
9	>	HAS PROPERTIES	INCLUDE	DTID 4007 “Mammography CAD Breast Composition”	1	MC	Shall be present only if value of parent is (129715009, SCT, "Breast composition")	
10	>	R-INFERRED FROM	CODE		1-n	UC	May be present only if value of parent is (129715009, SCT, "Breast composition")	Shall reference a (111059, DCM, "Single Image Finding") of value: EV (111100, DCM, "Breast geometry")
11	>	HAS PROPERTIES	INCLUDE	DTID 4008 “Mammography CAD Breast Geometry”	1	MC	Shall be present only if value of parent is (111100, DCM, "Breast geometry")	
12	>	HAS PROPERTIES	INCLUDE	DTID 4009 “Mammography CAD Individual Calcification”	1	UC	May be present only if value of parent is (129770007, SCT, "Individual Calcification")	
13	>	HAS PROPERTIES	INCLUDE	DTID 4010 “Mammography CAD Calcification Cluster”	1	UC	May be present only if value of parent is (129769006, SCT, "Calcification Cluster")	
14	>	HAS PROPERTIES	INCLUDE	DTID 4011 “Mammography CAD Density”	1	UC	May be present only if value of parent is (129793001, SCT, "Mammography breast density")	
15	>	HAS PROPERTIES	CODE	EV (111297, DCM, "Nipple Characteristic")	1	UC	May be present only if value of parent is (24142002, SCT, "Nipple")	DCID 6039 “Nipple Characteristic”
16	>	HAS PROPERTIES	INCLUDE	DTID 4012 “Mammography CAD Non-lesion”	1	MC	Shall be present only if value of parent is (111102, DCM, "Non-lesion")	
17	>	HAS PROPERTIES	INCLUDE	DTID 4013 “Mammography CAD Selected Region”	1	MC	Shall be present only if value of parent is (111099, DCM, "Selected Region")	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
18	>	R-INFERRED FROM	IMAGE		1	MC	IF value of parent is (111101, DCM, "Image quality") and IFF row 19 is not present	Shall reference an IMAGE Content Item in the (111028, DCM, "Image Library")
19	>	HAS PROPERTIES	SCOORD	EV (111030, DCM, "Image Region")	1-n	MC	IF value of parent is (111101, DCM, "Image quality") and IFF row 18 is not present	
20	>>	R-SELECTED FROM	IMAGE		1	M		All the (111030, DCM, "Image Region") Content Items in a single invocation of this Template shall reference the same IMAGE Content Item in the (111028, DCM, "Image Library")
21	>	HAS PROPERTIES	INCLUDE	DTID 4014 “CAD Image Quality”	1-n	MC	Shall be present only if value of parent is (111101, DCM, "Image quality")	$QualityFinding = DCID 6041 “Mammography Image Quality Finding” $QualityStandard = DCID 6045 “Mammography Types of Quality Control Standard”
22	>	HAS PROPERTIES	NUM	DCID 6142 “Calculated Value”	1-n	U		
23	>>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	M		DCID 6140 “Calculation Methods”
24	>>	INFERRED FROM	TEXT	EV (112034, DCM, "Calculation Description")	1	U		
25	>	INFERRED FROM	INCLUDE	DTID 4006 “Mammography CAD Single Image Finding”	1-n	UC	May be present only if value of parent is (129769006, SCT, "Calcification Cluster")	EV (129770007, SCT, "Individual Calcification")
26	>	HAS OBS CONTEXT	INCLUDE	DTID 4022 “CAD Observation Context”	1	MC	Shall be present only if this finding is incorporated from a different report than its parent.	

Content Item Descriptions

Rendering Intent	This Content Item constrains the SCP receiving the Mammography CAD SR IOD in its use of the contents of this Template and its Target Content Items. Mammography CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent mammography CAD processing steps. Refer to Section O.2 “Structured Reporting Storage SOP Class SCU and SCP Behavior” in PS3.4.
CAD Operating Point	Additional information to use when Rendering Intent is "Presentation Optional". A CAD Operating Point of zero is not sent, and is encoded as a Rendering Intent of "Presentation Required". See Section O.2 “Structured Reporting Storage SOP Class SCU and SCP Behavior” in PS3.4 and Section E.4 “CAD Operating Point” in PS3.17.

Single Image Finding	A Single Image Finding (whose parent is a Single Image Finding of type Calcification Cluster) allows one level of nesting for the definition of individual calcifications within the cluster. To use this Template recursively, this Single Image Finding code value shall be "Individual Calcification".
Certainty of Finding	The likelihood that the finding detected, and classified by the CODE specified in the Single Image Finding parent Template, is in fact that type of finding.

TID 4007 Mammography CAD Breast Composition

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4007. Mammography CAD Breast Composition

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (129715009, SCT, "Breast composition")	1	MC	At least one of row 1 or 2 shall be present	DCID 6000 “Overall Breast Composition”
2			NUM	EV (111046, DCM, "Percent Fibroglandular Tissue")	1	MC	At least one of row 1 or 2 shall be present	UNITS = EV (%, UCUM, "Percent") Value = 0 - 100

Content Item Descriptions

Percent Fibroglandular Tissue	Percent of breast area that is mammographically dense, excluding pectoralis muscle.

TID 4008 Mammography CAD Breast Geometry

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4008. Mammography CAD Breast Geometry

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			SCOORD	EV (111007, DCM, "Breast Outline Including Pectoral Muscle Tissue")	1	M		GRAPHIC TYPE = {POLYLINE}
2	>	R-SELECTED FROM	IMAGE		1	M		Shall reference an IMAGE Content Item in the (111028, DCM, "Image Library")
3			SCOORD	EV (111045, DCM, "Pectoral Muscle Outline")	1	U		GRAPHIC TYPE = {POLYLINE}
4	>	R-SELECTED FROM	IMAGE		1	M		Shall reference the same node as row 2

Content Item Descriptions

Figure A-8a. Example of Breast Outline Including Pectoral Muscle Tissue

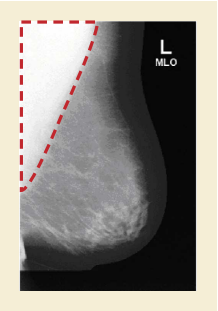

Figure A-8b. Example of Pectoral Muscle Outline

TID 4009 Mammography CAD Individual Calcification

This Template provides the detail specific to an individual calcification.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4009. Mammography CAD Individual Calcification

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111009, DCM, "Calcification Type")	1-n	MC	At least one of rows 1, 2, 3 shall be present	DCID 6010 “Mammography Calcification Types”
2			INCLUDE	DTID 1400 “Linear Measurement”	1-n	MC	At least one of rows 1, 2, 3 shall be present	If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1400 “Linear Measurement” shall be used.
3			INCLUDE	DTID 1401 “Area Measurement”	1-n	MC	At least one of rows 1, 2, 3 shall be present	If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1401 “Area Measurement” shall be used.
4			INCLUDE	DTID 1402 “Volume Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1402 “Volume Measurement” shall be used.

TID 4010 Mammography CAD Calcification Cluster

This Template provides the detail specific to a calcification cluster.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4010. Mammography CAD Calcification Cluster

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111009, DCM, "Calcification Type")	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	DCID 6010 “Mammography Calcification Types”
2			CODE	EV (111008, DCM, "Calcification Distribution")	1	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	DCID 6012 “Calcification Distribution Modifier”
3			NUM	EV (111038, DCM, "Number of calcifications")	1	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	UNITS = EV (1, UCUM, "no units") Value = Integer > = 1
4			INCLUDE	DTID 1400 “Linear Measurement”	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1400 “Linear Measurement” shall be used.
5			INCLUDE	DTID 1401 “Area Measurement”	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1401 “Area Measurement” shall be used.
6			INCLUDE	DTID 1402 “Volume Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1402 “Volume Measurement” shall be used.

TID 4011 Mammography CAD Density

This Template provides the detail specific to a density.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4011. Mammography CAD Density

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111035, DCM, "Lesion Density")	1	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	DCID 6008 “Density Modifier”
2			CODE	EV (107644003, SCT, "Shape")	1	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	DCID 6004 “Mammography Characteristics of Shape”
3			CODE	EV (111037, DCM, "Margins")	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	DCID 6006 “Mammography Characteristics of Margin”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4			INCLUDE	DTID 1400 “Linear Measurement”	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1400 “Linear Measurement” shall be used.
5			INCLUDE	DTID 1401 “Area Measurement”	1-n	MC	At least one of rows 1, 2, 3, 4, 5 shall be present	If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1401 “Area Measurement” shall be used.
6			INCLUDE	DTID 1402 “Volume Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1402 “Volume Measurement” shall be used.

TID 4012 Mammography CAD Non-lesion

This Template provides the detail specific to a finding other than a lesion (see CID 6040 “Non-lesion Object Type”).

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4012. Mammography CAD Non-lesion

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111039, DCM, "Object type")	1	M		DCID 6040 “Non-lesion Object Type”
2			INCLUDE	DTID 1400 “Linear Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1400 “Linear Measurement” shall be used.
3			INCLUDE	DTID 1401 “Area Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1401 “Area Measurement” shall be used.
4			INCLUDE	DTID 1402 “Volume Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1402 “Volume Measurement” shall be used.

TID 4013 Mammography CAD Selected Region

This Template provides the detail specific to a selected region. A selected region is any mammography CAD derived arbitrary region of the image, whether within the breast outline or not. This can be use to delineate regions such as the intramammary fold.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4013. Mammography CAD Selected Region

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (111058, DCM, "Selected Region Description")	1	M		
2			INCLUDE	DTID 1400 “Linear Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1400 “Linear Measurement” shall be used.
3			INCLUDE	DTID 1401 “Area Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1401 “Area Measurement” shall be used.
4			INCLUDE	DTID 1402 “Volume Measurement”	1-n	U		If the measured path is encoded, the SCOORD and its by-reference relationship to the IMAGE in TID 1402 “Volume Measurement” shall be used.

TID 4014 CAD Image Quality

This Template provides the detail specific to image quality. It allows the encoding of descriptors of image quality (e.g., CID 6041 “Mammography Image Quality Finding”) for a given image or region of an image. For instance, images with partial motion blur can be identified with the region noted.

Table TID 4014. Parameters

Parameter Name	Parameter Usage
$QualityFinding	Coded term or Context Group for Quality Finding
$QualityStandard	Coded term or Context Group for Quality Control Standard

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4014. CAD Image Quality

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111052, DCM, "Quality Finding")	1	M		$QualityFinding
2	>	HAS PROPERTIES	CODE	EV (111050, DCM, "Quality Assessment")	1	U		DCID 6044 “Types of Image Quality Assessment”
3	>	HAS PROPERTIES	CODE	EV (111051, DCM, "Quality Control Standard")	1	UC	Shall be present if row 2 is present.	$QualityStandard
4	>	HAS PROPERTIES	NUM	EV (111029, DCM, "Image Quality Rating")	1	U		UNITS = EV (%, UCUM, "Percent") Value = 0 - 100

Content Item Descriptions

Image Quality Rating	A numeric value in the range 0 to 100, inclusive, where 0 is worst quality and 100 is best quality.

TID 4015 CAD Detections Performed

This Template gathers two lists of detection algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in this sub-tree of the Document Root (e.g., TID 4000 “Mammography CAD Document Root”). This information forms the basis for understanding why a CAD report may produce no (or fewer than anticipated) detection results.

The sub-tree formed by this Template is illustrated in Figure E.1-2 “Summary of Detections and Analyses Levels of Mammography CAD SR Content Tree” in PS3.17.

Table TID 4015. Parameters

Parameter Name	Parameter Usage
$DetectionCode	Coded term or Context Group for Detection Performed

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4015. CAD Detections Performed

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111063, DCM, "Successful Detections")	1	MC	Shall be present only if value of parent is (111222, DCM, "Succeeded") or (111223, DCM, "Partially Succeeded")	
2	>	CONTAINS	INCLUDE	DTID 4017 “CAD Detection Performed”	1-n	M		$DetectionCode = $DetectionCode
3			CONTAINER	EV (111025, DCM, "Failed Detections")	1	MC	Shall be present only if value of parent is (111224, DCM, "Failed") or (111223, DCM, "Partially Succeeded")	
4	>	CONTAINS	INCLUDE	DTID 4017 “CAD Detection Performed”	1-n	M		$DetectionCode = $DetectionCode

TID 4016 CAD Analyses Performed

This Template gathers two lists of analysis algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in this sub-tree of the Document Root (e.g., TID 4000 “Mammography CAD Document Root”). This information forms the basis for understanding why a CAD report may produce no (or fewer than anticipated) analysis results.

The sub-tree formed by this Template is illustrated in Figure E.1-2 “Summary of Detections and Analyses Levels of Mammography CAD SR Content Tree” in PS3.17.

Table TID 4016. Parameters

Parameter Name	Parameter Usage
$AnalysisCode	Coded term or Context Group for Analysis Performed

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4016. CAD Analyses Performed

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111062, DCM, "Successful Analyses")	1	MC	Shall be present only if value of parent is (111222, DCM, "Succeeded") or (111223, DCM, "Partially Succeeded")	
2	>	CONTAINS	INCLUDE	DTID 4018 “CAD Analysis Performed”	1-n	M		$AnalysisCode = $AnalysisCode
3			CONTAINER	EV (111024, DCM, "Failed Analyses")	1	MC	Shall be present only if value of parent is (111224, DCM, "Failed") or (111223, DCM, "Partially Succeeded")	
4	>	CONTAINS	INCLUDE	DTID 4018 “CAD Analysis Performed”	1-n	M		$AnalysisCode = $AnalysisCode

TID 4017 CAD Detection Performed

This Template fully identifies a detection algorithm and the images and/or image regions on which it operated (see TID 4015 “CAD Detections Performed”).

Table TID 4017. Parameters

Parameter Name	Parameter Usage
$DetectionCode	Coded term or Context Group for Detection Performed

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4017. CAD Detection Performed

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111022, DCM, "Detection Performed")	1	M		$DetectionCode
2	>	HAS PROPERTIES	INCLUDE	DTID 4019 “Algorithm Identification”	1	M		
3	>	HAS PROPERTIES	IMAGE		1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	
4	>	R-HAS PROPERTIES	IMAGE		1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	Shall reference IMAGE Content Item(s) in the (111028, DCM, "Image Library")
5	>	HAS PROPERTIES	UIDREF	EV (112002, DCM, "Series Instance UID")	1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	
6	>	HAS PROPERTIES	SCOORD	EV (111030, DCM, "Image Region")	1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
7	>>	SELECTED FROM	IMAGE		1	MC	XOR row 8	
8	>>	R-SELECTED FROM	IMAGE		1	MC	XOR row 7	Shall reference an IMAGE Content Item in the (111028, DCM, "Image Library")
9	>		INCLUDE	DTID 4023 “CAD Operating Points”	1	U		

Content Item Descriptions

Algorithm Identification	If more than one detection algorithm has the same "Detection Performed" code value (e.g., CID 6014 “Mammography Single Image Finding”) then the "CAD Algorithm Identification" shall unambiguously distinguish between algorithms.
Rows 5, 6	Mammography CAD SR: When this Template is invoked for the Mammography CAD SR, the Image Library is mandatory, thus only row 4 and/or row 6 shall be present. Chest CAD SR: When this Template is invoked for the Chest CAD SR, the Image Library is optional, thus any combination of rows 3, 4, 5 and 6 may be present. Colon CAD SR: When this Template is invoked for the Colon CAD SR, the Image Library does not exist, thus rows 3, 5, and/or 6 may be present and row 4 shall not be present.
Rows 5, 6	Mammography CAD SR: When this Template is invoked for the Mammography CAD SR, the Image Library is mandatory, thus only row 8 shall be present. Chest CAD SR: When this Template is invoked for the Chest CAD SR, the Image Library is optional, thus row 7 or 8 may be present. Colon CAD SR: When this Template is invoked for the Colon CAD SR, the Image Library does not exist, thus only row 7 may be present.

TID 4018 CAD Analysis Performed

This Template fully identifies an analysis algorithm and the images and/or image regions on which it operated (see TID 4016 “CAD Analyses Performed”).

Table TID 4018. Parameters

Parameter Name	Parameter Usage
$AnalysisCode	Coded term or Context Group for Analysis Performed

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4018. CAD Analysis Performed

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111004, DCM, "Analysis Performed")	1	M		$AnalysisCode

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS PROPERTIES	INCLUDE	DTID 4019 “Algorithm Identification”	1	M		
3	>	HAS PROPERTIES	IMAGE		1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	
4	>	R-HAS PROPERTIES	IMAGE		1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	Shall reference IMAGE Content Item(s) in the (111028, DCM, "Image Library")
5	>	HAS PROPERTIES	UIDREF	EV (112002, DCM, "Series Instance UID")	1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	
6	>	HAS PROPERTIES	SCOORD	EV (111030, DCM, "Image Region")	1-n	MC	At least one of row 3, 4, 5 or 6 shall be present	
7	>>	SELECTED FROM	IMAGE		1	MC	XOR Row 8	
8	>>	R-SELECTED FROM	IMAGE		1	MC	XOR Row 7	Shall reference an IMAGE Content Item in the (111028, DCM, "Image Library")
9	>		INCLUDE	DTID 4023 “CAD Operating Points”	1	U		

Content Item Descriptions

Algorithm Identification	If more than one analysis algorithm has the same "Analysis Performed" code value (e.g., CID 6043 “Types of Mammography CAD Analysis”) then the "CAD Algorithm Identification" shall unambiguously distinguish between algorithms.
Rows 5, 6	Mammography CAD SR: When this Template is invoked for the Mammography CAD SR, the Image Library is mandatory, and a total of at least two instances of row 4 or row 6 shall be present. Chest CAD SR: When this Template is invoked for the Chest CAD SR, the Image Library is optional, thus any combination of rows 3, 4, 5 and 6 may be present. Colon CAD SR: When this Template is invoked for the Colon CAD SR, the Image Library does not exist, thus rows 3, 5 and/or 6 may be present and row 4 shall not be present.
Rows 5, 6	Mammography CAD SR: When this Template is invoked for the Mammography CAD SR, the Image Library is mandatory, thus only row 8 shall be present. Chest CAD SR: When this Template is invoked for the Chest CAD SR, the Image Library is optional, thus row 7 or 8 may be present. Colon CAD SR: When this Template is invoked for the Colon CAD SR, the Image Library does not exist, thus only row 7 may be present.

TID 4019 Algorithm Identification

This Template details the algorithm unambiguously. Re-state the software identification from the General Equipment Module of the SR IOD if all algorithms are unambiguously defined by that module.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4019. Algorithm Identification

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (111001, DCM, "Algorithm Name")	1	M		
1b			CODE	EV (111001, DCM, "Algorithm Name")	1	U		
2			TEXT	EV (111003, DCM, "Algorithm Version")	1	M		
3			TEXT	EV (111002, DCM, "Algorithm Parameters")	1-n	U		
4			CODE	EV (111000, DCM, "Algorithm Family")	1	U		

Content Item Descriptions

Row 1	May be the same as the Manufacturer's Model Name (0008,1090) in General Equipment Module, if the Algorithm is not distinguishable from the body of software that makes up the Equipment.
Row 2	May be the same as Software Versions (0018,1020) in General Equipment Module, if the latter is a single Value, or its multiple Values are combined into a single TEXT Content Item Value.

TID 4020 CAD Image Library Entry

Each instance of the Image Library Entry Template contains the Image SOP Class and Instance UIDs, and selected attributes for an image that facilitate spatial analysis without having to retrieve the entire set of referenced images. If values for the attributes are not present in the Image SOP Instance, then as many of the attributes as possible should be derived.

Table TID 4020. Parameters

Parameter Name	Parameter Usage
$ImageLaterality	Coded term or Context Group for Image Laterality
$ImageView	Coded term or Context Group for Image View
$ImageViewMod	Coded term or Context Group for Image View Modifier

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 4020. CAD Image Library Entry

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			IMAGE		1	M		
2	>	HAS ACQ CONTEXT	CODE	EV (111027, DCM, "Image Laterality")	1	MC	Shall be present if (0020,0062) is in the Image Instance	$ImageLaterality
3	>	HAS ACQ CONTEXT	CODE	EV (111031, DCM, "Image View")	1	MC	Shall be present if (0054,0220) is in the Image Instance	$ImageView
4	>>	HAS CONCEPT MOD	CODE	EV (111032, DCM, "Image View Modifier")	1-n	MC	Shall be present if (0054,0222) is in the Image Instance	$ImageViewMod

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	HAS ACQ CONTEXT	TEXT	EV (111044, DCM, "Patient Orientation Row")	1	MC	Shall be present if (0020,0020) is in the Image Instance	
6	>	HAS ACQ CONTEXT	TEXT	EV (111043, DCM, "Patient Orientation Column")	1	MC	Shall be present if (0020,0020) is in the Image Instance	
7	>	HAS ACQ CONTEXT	DATE	EV (111060, DCM, "Study Date")	1	MC	Shall be present if (0008,0020) is in the Image Instance	
8	>	HAS ACQ CONTEXT	TIME	EV (111061, DCM, "Study Time")	1	MC	Shall be present if (0008,0030) is in the Image Instance	
9	>	HAS ACQ CONTEXT	DATE	EV (111018, DCM, "Content Date")	1	MC	Shall be present if (0008,0023) is in the Image Instance	
10	>	HAS ACQ CONTEXT	TIME	EV (111019, DCM, "Content Time")	1	MC	Shall be present if (0008,0033) is in the Image Instance	
11	>	HAS ACQ CONTEXT	NUM	EV (111026, DCM, "Horizontal Pixel Spacing")	1	MC	Shall be present if (0018,1164) or (0028,0030) is in the Image Instance	UNITS = EV (um, UCUM, "micrometer") UNITS = EV (mm, UCUM, "millimeter")
12	>	HAS ACQ CONTEXT	NUM	EV (111066, DCM, "Vertical Pixel Spacing")	1	MC	Shall be present if (0018,1164) or (0028,0030) is in the Image Instance	UNITS = EV (um, UCUM, "micrometer") UNITS = EV (mm, UCUM, "millimeter")
13	>	HAS ACQ CONTEXT	NUM	EV (112011, DCM, "Positioner Primary Angle")	1	UC	May be present if (0018,1510) is in the Image Instance	UNITS = EV (deg, UCUM, "deg")
14	>	HAS ACQ CONTEXT	NUM	EV (112012, DCM, "Positioner Secondary Angle")	1	UC	May be present if (0018,1511) is in the Image Instance	UNITS = EV (deg, UCUM, "deg")
15	>	HAS ACQ CONTEXT	NUM	EV (112226, DCM, "Spacing between slices")	1	UC	May be computed from the Image Position (Patient) (0020,0032) projected onto the normal to the Image Orientation (Patient) (0020,0037) if present; may or may not be the same as the Spacing Between Slices (0018,0088) if present.	UNITS = EV (mm, UCUM, "millimeter")
16	>	HAS ACQ CONTEXT	NUM	EV (112225, DCM, "Slice Thickness")	1	UC	May be present if Slice Thickness (0018,0050) is in the Image Instance.	UNITS = EV (mm, UCUM, "millimeter")
17	>	HAS ACQ CONTEXT	UIDREF	EV (112227, DCM, "Frame of Reference UID")	1	UC	May be present if Frame of Reference UID (0020,0052) is in the Image Instance.	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
18	>	HAS ACQ CONTEXT	NUM	EV (110901, DCM, "Image Position (Patient) X")	1	UC	May be present if Image Position (Patient) (0020,0032) is in the Image Instance, and is the first value of Image Position (Patient) (0020,0032) for the referenced image or frame.	UNITS = EV (mm, UCUM, "millimeter")
19	>	HAS ACQ CONTEXT	NUM	EV (110902, DCM, "Image Position (Patient) Y")	1	MC	Shall be present if Row 18 is present, and is the second value of Image Position (Patient) (0020,0032) in the Image Instance for the referenced image or frame.	UNITS = EV (mm, UCUM, "millimeter")
20	>	HAS ACQ CONTEXT	NUM	EV (110903, DCM, "Image Position (Patient) Z")	1	MC	Shall be present if Row 18 is present, and is the second value of Image Position (Patient) (0020,0032) in the Image Instance for the referenced image or frame.	UNITS = EV (mm, UCUM, "millimeter")
21	>	HAS ACQ CONTEXT	NUM	EV (110904, DCM, "Image Orientation (Patient) Row X")	1	UC	May be present if Image Position (Patient) (0020,0037) is in the Image Instance, and is the first value of Image Orientation (Patient) (0020,0037) for the referenced image or frame.	UNITS = EV ({-1:1}, UCUM, "{-1:1}")
22	>	HAS ACQ CONTEXT	NUM	EV (110905, DCM, "Image Orientation (Patient) Row Y")	1	MC	Shall be present if Row 21 is present, and is the second value of Image Orientation (Patient) (0020,0037) in the Image Instance for the referenced image or frame.	UNITS = EV ({-1:1}, UCUM, "{-1:1}")
23	>	HAS ACQ CONTEXT	NUM	EV (110906, DCM, "Image Orientation (Patient) Row Z")	1	MC	Shall be present if Row 21 is present, and is the third value of Image Orientation (Patient) (0020,0037) in the Image Instance for the referenced image or frame.	UNITS = EV ({-1:1}, UCUM, "{-1:1}")
24	>	HAS ACQ CONTEXT	NUM	EV (110907, DCM, "Image Orientation (Patient) Column X")	1	MC	Shall be present if Row 21 is present, and is the fourth value of Image Orientation (Patient) (0020,0037) in the Image Instance for the referenced image or frame.	UNITS = EV ({-1:1}, UCUM, "{-1:1}")
25	>	HAS ACQ CONTEXT	NUM	EV (110908, DCM, "Image Orientation (Patient) Column Y")	1	MC	Shall be present if Row 21 is present, and is the fifth value of Image Orientation (Patient) (0020,0037) in the Image Instance for the referenced image or frame.	UNITS = EV ({-1:1}, UCUM, "{-1:1}")
26	>	HAS ACQ CONTEXT	NUM	EV (110909, DCM, "Image Orientation (Patient) Column Z")	1	MC	Shall be present if Row 21 is present, and is the sixth value of Image Orientation (Patient) (0020,0037) in the Image Instance for the referenced image or frame.	UNITS = EV ({-1:1}, UCUM, "{-1:1}")
27	>	HAS ACQ CONTEXT	NUM	EV (110910, DCM, "Pixel Data Rows")	1	UC	May be present if Rows (0028,0010) is in the Image Instance.	UNITS = EV ({pixels}, UCUM, "pixels")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
28	>	HAS ACQ CONTEXT	NUM	EV (110911, DCM, "Pixel Data Columns")	1	MC	Shall be present if Row 27 is present, and is the value of Columns (0028,0011) in the Image Instance.	UNITS = EV ({pixels}, UCUM, "pixels")

Content Item Descriptions

Patient Orientation Row	First (row) and second (column) components of Patient Orientation (0020,0020) in the Image IOD. See Section C.7.6.1.1.1 in PS3.3.
Patient Orientation Column	
Horizontal Imager Pixel Spacing	The second component of Imager Pixel Spacing (0018,1164) in the Image IOD. See Section C.8.11.4 in PS3.3.
Vertical Imager Pixel Spacing	The first component of Imager Pixel Spacing (0018,1164) in the Image IOD. See Section C.8.11.4 in PS3.3.

TID 4021 Mammography CAD Geometry

All geometry Template invocations require specification of the location of the center of the object. Outline is optional.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4021. Mammography CAD Geometry

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			SCOORD	EV (111010, DCM, "Center")	1	M		GRAPHIC TYPE = {POINT}
2	>	R-SELECTED FROM	IMAGE		1	M		Shall reference an IMAGE Content Item in the (111028, DCM, "Image Library")
3			SCOORD	EV (111041, DCM, "Outline")	1	U		
4	>	R-SELECTED FROM	IMAGE		1	M		Shall reference the same Content Item as row 2
5			SCOORD	DCID 6166 “CAD Geometry Secondary Graphical Representation”	1-n	U		
6	>	R-SELECTED FROM	IMAGE		1	M		Shall reference the same Content Item as row 2

TID 4022 CAD Observation Context

This Template is invoked when a Content Item, which may be the "root" of a sub-tree, is paraphrased from a prior SR document.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4022. CAD Observation Context

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			COMPOSITE	EV (111040, DCM, "Original Source")	1	MC	Shall be present if the original source is a DICOM object.	
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3			INCLUDE	DTID 1001 “Observation Context”	1	M		

TID 4023 CAD Operating Points

This Template describes CAD operating points. The description is deliberately left flexible and optional to allow implementation at differing levels of complexity.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4023. CAD Operating Points

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	NUM	EV (111072, DCM, "Maximum CAD Operating Point")	1	M		UNITS = DT ([arb'U], UCUM, "arbitrary unit") Value is restricted to being an integer
2		HAS PROPERTIES	NUM	EV (111092, DCM, "Recommended CAD Operating Point")	1	U		UNITS = DT ({0:n}, UCUM, "range: 0:n"), where n is the value specified in row 1 Value is restricted to being an integer
3		HAS PROPERTIES	CONTAINER	EV (111093, DCM, "CAD Operating Point Table")	1	U		
4	>	CONTAINS	CODE	EV (122698, DCM, "X-Concept")	1	M		DCID 6048 “CAD Operating Point Axis Label”
5	>	CONTAINS	CODE	EV (122699, DCM, "Y-Concept")	1	M		DCID 6048 “CAD Operating Point Axis Label”
6	>	CONTAINS	NUM	EV (111071, DCM, "CAD Operating Point")	1-n	M	Number of instances of this row shall equal value of row 1, plus 1.	UNITS = DT ({0:n}, UCUM, "range: 0:n"), where n is the value of Row 1. Value is restricted to being an integer that is unique within the invocation of this Template.
7	>>	HAS PROPERTIES	TEXT	EV (111081, DCM, "CAD Operating Point Description")	1	U		
8	>>	HAS PROPERTIES	NUM	The value of Row 4	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9	>>	HAS PROPERTIES	NUM	The value of Row 5	1	U		

Content Item Descriptions

Maximum CAD Operating Point	The maximum possible value of CAD Operating Point for this type of Detection Performed. No CAD Operating Point value recorded in the CAD Processing and Findings Summary sub-tree of the report for this type of Detection Performed shall exceed this value. The report may or may not contain Rendering Intent = "Presentation Optional" detections that are assigned the maximum value.
Recommended CAD Operating Point	A number indicating which of the CAD operating points is recommended by the creator of a CAD SR instance as the first operating point to be used when rendering the CAD SR instance contents. Subsequent changes to the displayed operating point are implementation dependent.

Chest CAD SR IOD Templates

The Templates that comprise the Chest CAD SR IOD are interconnected as in Figure A-9.

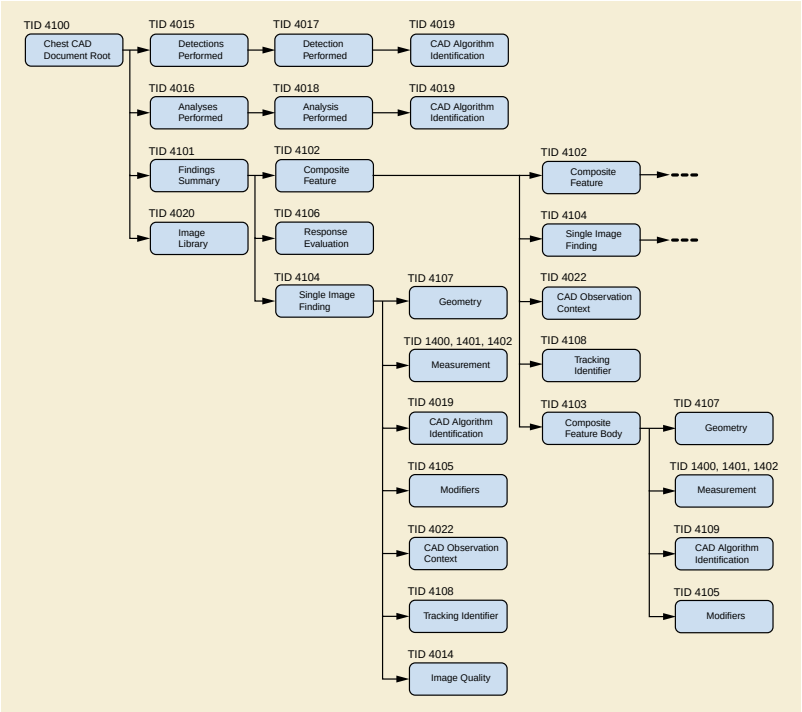

Figure A-9. Chest CAD SR IOD Template Structure

In Figure A-9, '···' indicates possible recursive application of subordinate Templates.

TID 4100 Chest CAD Document Root

This Template forms the top of a content tree that allows a chest CAD device to describe the results of detection and analysis of chest evidence. This Template, together with its subordinate Templates, describes both the results for presentation to radiologists and partial product results for consumption by chest CAD devices in subsequent chest CAD reports.

This Template defines a Container that contains an Image Library, the CAD results, and summaries of the detection and analysis algorithms performed. The Image Library contains the Image SOP Class and Instance UIDs, and selected attributes for each image referenced in either the algorithm summaries or chest CAD results.

The atomic CAD results of Single Image Findings and Composite Features are described in the Chest CAD Findings Summary sub-tree.

The Summary of Detections and Summary of Analyses sub-trees gather lists of algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in these sub-trees. This information forms the basis for understanding why a chest CAD report may produce no (or fewer than anticipated) results. Chest CAD results are constructed bottom-up, starting from Single Image Findings (see TID 4104 “Chest CAD Single Image Finding”), associated as Composite Features (see TID 4102 “Chest CAD Composite Feature”).

See Figure F.1-1 “Top Levels of Chest CAD SR Content Tree” in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **Yes**

Table TID 4100. Chest CAD Document Root

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (112000, DCM, "Chest CAD Report")	1	M		Root node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	CONTAINS	CONTAINER	EV (111028, DCM, "Image Library")	1	U		
4	>>	CONTAINS	INCLUDE	DTID 4020 “CAD Image Library Entry”	1-n	M		$ImageLaterality = DCID 244 “Laterality” $ImageView = DCID 4010 “DX View” $ImageViewMod = DCID 4011 “DX View Modifier”
5	>	CONTAINS	INCLUDE	DTID 4101 “Chest CAD Findings Summary”	1	M		
6	>	CONTAINS	CODE	EV (111064, DCM, "Summary of Detections")	1	M		DCID 6042 “Status of Results”
7	>>	INFERRED FROM	INCLUDE	DTID 4015 “CAD Detections Performed”	1	MC	Shall be present unless the value of row 6 is (111225, DCM, "Not Attempted")	$DetectionCode = DCID 6101 “Chest Finding or Feature”, DCID 6102 “Chest Finding or Feature Modifier”
8	>	CONTAINS	CODE	EV (111065, DCM, "Summary of Analyses")	1	M		DCID 6042 “Status of Results”
9	>>	INFERRED FROM	INCLUDE	DTID 4016 “CAD Analyses Performed”	1	MC	Shall be present unless the value of row 8 is (111225, DCM, "Not Attempted")	$AnalysisCode = DCID 6137 “Types of CAD Analysis”

Content Item Descriptions

Image Library	The "Image Library" section of the Content Tree (TID 4100 “Chest CAD Document Root”, row 3) may include all Image SOP Instances from the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module. If a portion of another instance of a Chest CAD SR IOD is duplicated in the "Chest CAD Findings Summary" section of the Content Tree, the "Image Library" may also include all Image Library Entries referenced from the duplicated portions of the Chest CAD SR. The Image Library is intended to be used in cases where the acquisition context Content Items differ from image to image, such as different views and/or laterality in projection X-Ray.
Detections Performed	The "Detections Performed" and "Analyses Performed" sections of the Content Tree (TID 4100 “Chest CAD Document Root”, rows 7 and 9) together shall reference all Image SOP Instances included in the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module.
Analyses Performed	

TID 4101 Chest CAD Findings Summary

The contents of this Template describe the findings and aggregate features that the chest CAD device detected for the chest evidence presented. This Template forms the chest CAD results sub-tree of the Chest CAD Document Root (TID 4100 “Chest CAD Document Root”). The data from which the details are inferred are expressed in the Composite Features (see TID 4102 “Chest CAD Composite Feature”) and/or Single Image Findings (see TID 4104 “Chest CAD Single Image Finding”), of which there may be several.

The sub-tree headed by this Template is illustrated in Figure F.1-2 “Example of CAD Processing and Findings Summary Sub-Tree of Chest CAD SR Content Tree” in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4101. Chest CAD Findings Summary

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111017, DCM, "CAD Processing and Findings Summary")	1	M		DCID 6047 “CAD Processing and Findings Summary”
2	>	INFERRED FROM	INCLUDE	DTID 4102 “Chest CAD Composite Feature”	1-n	U		
3	>	INFERRED FROM	INCLUDE	DTID 4104 “Chest CAD Single Image Finding”	1-n	U		
4	>	HAS PROPERTIES	INCLUDE	DTID 4106 “Response Evaluation”	1-n	U		

Content Item Descriptions

CAD Processing and Findings Summary	This code value is used to express if and why the Chest CAD Findings Summary sub-tree is empty. The Summary of Detections and Summary of Analyses sub-trees of the Document Root node contain detail about which (if any) algorithms succeeded or failed. If the code value indicates that there were no findings, then the code value can be used to determine whether chest CAD processing occurred successfully, without parsing the Summary of Detections and Summary of Analyses sub-trees.

TID 4102 Chest CAD Composite Feature

This Template collects a composite feature for a lesion, anatomy, non-lesion object, or correlation of related objects (see TID 4101 “Chest CAD Findings Summary”). The details of the composition are expressed in the Chest CAD Composite Feature Body (see TID 4103 “Chest CAD Composite Feature Body”). The data from which the details are inferred, are expressed in the Composite Features

(see TID 4102 “Chest CAD Composite Feature”) and/or Single Image Findings (see TID 4104 “Chest CAD Single Image Finding”), of which there may be several.

A Composite Feature shall be INFERRED FROM any combination of two or more Composite Features or Single Image Findings or mixture thereof.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4102. Chest CAD Composite Feature

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111015, DCM, "Composite Feature")	1	M		DCID 6101 “Chest Finding or Feature”
2	>	HAS CONCEPT MOD	CODE	EV (112023, DCM, "Composite Feature Modifier")	1	U		DCID 6102 “Chest Finding or Feature Modifier”
3	>	HAS CONCEPT MOD	TEXT	EV (112050, DCM, "Anatomic Identifier")	1	U		
4	>	HAS CONCEPT MOD	CODE	EV (112003, DCM, "Associated Chest Component")	1	MC	Shall be present IFF value of row 1 is (112005, DCM, "Radiographic anatomy")	DCID 6100 “Chest Component Categories”
5	>	HAS CONCEPT MOD	CODE	EV (112037, DCM, "Non-lesion Modifier")	1	UC	May be present IFF value of row 1 is (111102, DCM, "Non-lesion")	DCID 6139 “Non-lesion Modifiers”
6	>	HAS CONCEPT MOD	CODE	EV (112038, DCM, "Osseous Modifier")	1	UC	May be present IFF value of row 2 is from DCID 6114 “Osseous Anatomy Finding or Feature”	DCID 6115 “Osseous Anatomy Modifiers”
7	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, "Rendering Intent")	1	M		DCID 6034 “Intended Use of CAD Output”
8	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		
9	>	HAS OBS CONTEXT	CODE	EV (112016, DCM, "Baseline Category")	1	U		DCID 6145 “Baseline Category”
10	>	HAS OBS CONTEXT	INCLUDE	DTID 4022 “CAD Observation Context”	1	MC	Shall be present IFF this feature is duplicated from a different report than its parent.	
11	>	HAS OBS CONTEXT	INCLUDE	DTID 4019 “Algorithm Identification”	1	M		
12	>	HAS PROPERTIES	INCLUDE	DTID 4103 “Chest CAD Composite Feature Body”	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
13	>	INFERRED FROM	INCLUDE	DTID 4102 “Chest CAD Composite Feature”	1-n	MC	At least two items shall be present: two of row 13, two of row 14, or one of each.	
14	>	INFERRED FROM	INCLUDE	DTID 4104 “Chest CAD Single Image Finding”	1-n	MC	At least two items shall be present: two of row 13, two of row 14, or one of each.	

Content Item Descriptions

Anatomic Identifier	An identifier of an anatomic feature when a multiplicity of features of that type may be present, such as "Rib 1", "Rib 2" or thoracic vertebrae "T1" or "T2".
Rendering Intent	This Content Item constrains the SCP receiving the Chest CAD SR IOD in its use of the contents of this Template and its Target Content Items. Chest CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent chest CAD processing steps. Refer to Section O.2 “Structured Reporting Storage SOP Class SCU and SCP Behavior” in PS3.4.

TID 4103 Chest CAD Composite Feature Body

The details of a composite feature are expressed in this Template. It is applied to Chest CAD Composite Feature (TID 4102 “Chest CAD Composite Feature”).

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4103. Chest CAD Composite Feature Body

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111016, DCM, "Composite type")	1	M		DCID 6035 “Composite Feature Relations”
2			CODE	EV (111057, DCM, "Scope of Feature")	1	M		DCID 6036 “Scope of Feature”
3			NUM	EV (111011, DCM, "Certainty of feature")	1	U		UNITS = EV (%, UCUM, "Percent") Value = 0 - 100
4			INCLUDE	DTID 4107 “Chest CAD Geometry”	1	U		
5			INCLUDE	DTID 1400 “Linear Measurement”	1-n	U		
6			INCLUDE	DTID 1401 “Area Measurement”	1-n	U		
7			INCLUDE	DTID 1402 “Volume Measurement”	1-n	U		
8			INCLUDE	DTID 4105 “Chest CAD Descriptors”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9			NUM	DCID 6133 “Chest Quantitative Temporal Difference Type”	1-n	UC	May be present IFF the value of row 1 is (111153, DCM, "Target content items are related temporally")	
10	>	R-INFERRED FROM	NUM		2	U		The referenced numeric values shall have the same Concept Name. Their UNITS shall be the same as row 9
11			CODE	EV (111049, DCM, "Qualitative Difference")	1-n	UC	May be present only if the value of row 1 is (111153, DCM, "Target content items are related temporally")	DCID 6134 “Chest Qualitative Temporal Difference Type”
12	>	HAS PROPERTIES	TEXT	EV (111021, DCM, "Description of Change")	1	U		
13	>	R-INFERRED FROM	CODE		2	M		The referenced Content Items shall have the same Concept Name and their code values shall be from the same context group.

Content Item Descriptions

Certainty of Feature	The certainty of the CAD device that the feature analyzed and classified by the CODE, as specified in the Composite Feature parent Template, is in fact that type of feature.
Volume Measurement	If dimensions for a volume are to be stated in terms of length, width, and depth, then one shall use 3 instances of TID 1400 “Linear Measurement”.
Row 9	Values ≤ 0 are allowed. The two referenced numeric values are Target Content Items of the first generation Composite Feature or Single Image Finding children of this composite feature. Given the equation, A - B, the value representing A shall be referenced first.
Qualitative Difference	The two referenced code values are Target Content Items of the first generation Composite Feature or Single Image Finding children of this composite feature.

TID 4104 Chest CAD Single Image Finding

This Template describes a single image finding for a lesion or other object. The details of the finding are expressed in this Template and/or more specific Templates.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4104. Chest CAD Single Image Finding

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111059, DCM, "Single Image Finding")	1	M		DCID 6101 “Chest Finding or Feature”
2	>	HAS CONCEPT MOD	CODE	EV (112024, DCM, "Single Image Finding Modifier")	1	U		DCID 6102 “Chest Finding or Feature Modifier”
3	>	HAS CONCEPT MOD	TEXT	EV (112050, DCM, "Anatomic Identifier")	1	U		
4	>	HAS CONCEPT MOD	CODE	EV (112003, DCM, "Associated Chest Component")	1	MC	Shall be present IFF value of row 1 is (112005, DCM, "Radiographic anatomy")	DCID 6100 “Chest Component Categories”
5	>	HAS CONCEPT MOD	CODE	EV (112037, DCM, "Non-lesion Modifier")	1	UC	May be present IFF value of row 1 is (111102, DCM, "Non-lesion")	DCID 6139 “Non-lesion Modifiers”
6	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, "Rendering Intent")	1	M		DCID 6034 “Intended Use of CAD Output”
7	>>	HAS PROPERTIES	NUM	EV (111071, DCM, "CAD Operating Point")	1	UC	IFF value of row 6 is (111151, DCM, "Presentation Optional") and row 1 of TID 4023 “CAD Operating Points” is present for the finding identified in row 1	UNITS = DT ({1:n}, UCUM, "range: 1:n"), where n is the maximum specified in Row 1 of TID 4023 “CAD Operating Points” for the finding identified in row 1. Value is restricted to being an integer
8	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		
9	>	HAS OBS CONTEXT	CODE	EV (112016, DCM, "Baseline Category")	1	U		DCID 6145 “Baseline Category”
10	>	HAS OBS CONTEXT	INCLUDE	DTID 4022 “CAD Observation Context”	1	MC	Shall be present IFF this finding is duplicated from a different report than its parent.	
11	>	HAS OBS CONTEXT	INCLUDE	DTID 4019 “Algorithm Identification”	1	M		
12	>	HAS PROPERTIES	NUM	EV (111012, DCM, "Certainty of Finding")	1	U		UNITS = EV (%, UCUM, "Percent") Value = 0 - 100
13	>	HAS PROPERTIES	TEXT	EV (111058, DCM, "Selected Region Description")	1	MC	Shall be present IFF value of row 1 is (111099, DCM, "Selected region")	
14	>	HAS PROPERTIES	INCLUDE	DTID 4107 “Chest CAD Geometry”	1	MC	Shall be present unless value of row 1 is (111101, DCM, "Image quality")	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>	HAS PROPERTIES	INCLUDE	DTID 1400 “Linear Measurement”	1-n	U		
16	>	HAS PROPERTIES	INCLUDE	DTID 1401 “Area Measurement”	1-n	U		
17	>	HAS PROPERTIES	INCLUDE	DTID 1402 “Volume Measurement”	1-n	U		
18	>	HAS PROPERTIES	INCLUDE	DTID 4105 “Chest CAD Descriptors”	1	U		
19	>	INFERRED FROM	IMAGE		1	MC	Shall be present IFF value of row 1 is (111101, DCM, "Image quality") and rows 20 and 21 are not present	
20	>	R-INFERRED FROM	IMAGE		1	MC	Shall be present IFF value of row 1 is (111101, DCM, "Image quality") and rows 19 and 21 are not present	Shall reference an IMAGE Content Item in the (111028, DCM, "Image Library")
21	>	INFERRED FROM	SCOORD	EV (111030, DCM, "Image Region")	1-n	MC	Shall be present IFF value of row 1 is (111101, DCM, "Image quality") and rows 19 and 20 are not present	
22	>>	SELECTED FROM	IMAGE		1	MC	XOR row 23	All the row 21 Content Items in a single invocation of this Template shall reference the same IMAGE
23	>>	R-SELECTED FROM	IMAGE		1	MC	XOR row 22	All the row 21 Content Items in a single invocation of this Template shall reference the same IMAGE Content Item in the (111028, DCM, "Image Library")
24	>	HAS PROPERTIES	INCLUDE	DTID 4014 “CAD Image Quality”	1	MC	Shall be present IFF value of row 1 is (111101, DCM, "Image quality")	$QualityFinding = DCID 6135 “Image Quality Finding” $QualityStandard = DCID 6136 “Chest Types of Quality Control Standard”

Content Item Descriptions

Anatomic Identifier	An identifier of an anatomic feature when a multiplicity of features of that type may be present, such as "Rib 1", "Rib 2" or thoracic vertebrae "T1" or "T2".
Rendering Intent	This Content Item constrains the SCP receiving the Chest CAD SR IOD in its use of the contents of this Template and its Target Content Items. Chest CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent chest CAD processing steps. Refer to Section O.2 “Structured Reporting Storage SOP Class SCU and SCP Behavior” in PS3.4.

CAD Operating Point	Additional information to use when Rendering Intent is "Presentation Optional". A CAD Operating Point of zero is not sent, and is encoded as a Rendering Intent of "Presentation Required". See Section O.2 “Structured Reporting Storage SOP Class SCU and SCP Behavior” in PS3.4 and Section E.4 “CAD Operating Point” in PS3.17.
Certainty of Finding	The certainty of the CAD device that the finding detected and classified by the Single Image Finding CODE specified is in fact that type of finding.

TID 4105 Chest CAD Descriptors

This Template provides qualitative detail for a Single Image Finding or Composite Feature. It is applied to Chest CAD Composite Feature (TID 4102 “Chest CAD Composite Feature”) and Chest CAD Single Image Finding (TID 4104 “Chest CAD Single Image Finding”).

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4105. Chest CAD Descriptors

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (112025, DCM, "Size Descriptor")	1	U		DCID 6118 “Size Descriptor”
2			CODE	EV (112026, DCM, "Width Descriptor")	1	U		DCID 6107 “Width Descriptor”
3			CODE	EV (112015, DCM, "Border shape")	1	U		DCID 6119 “Chest Border Shape”
4			CODE	EV (112007, DCM, "Border definition")	1	U		DCID 6120 “Chest Border Definition”
5			CODE	EV (112014, DCM, "Orientation Descriptor")	1	U		DCID 6121 “Chest Orientation Descriptor”
6			CODE	EV (112009, DCM, "Type of Content")	1-n	U		DCID 6122 “Chest Content Descriptor”
7			CODE	EV (112027, DCM, "Opacity Descriptor")	1	U		DCID 6123 “Chest Opacity Descriptor”
8			CODE	EV (112013, DCM, "Location in Chest")	1	U		DCID 6124 “Location in Chest”
9			CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 244 “Laterality”
10			CODE	EV (112006, DCM, "Distribution Descriptor")	1-n	U		DCID 6128 “Chest Distribution Descriptor”
11			CODE	EV (112028, DCM, "Abnormal Distribution of Anatomic Structure")	1	U		DCID 6108 “Chest Anatomic Structure Abnormal Distribution”
12			CODE	EV (112008, DCM, "Site involvement")	1-n	U		DCID 6129 “Chest Site Involvement”
13			CODE	EV (246112005, SCT, "Severity")	1	U		DCID 6130 “Severity Descriptor”
14			CODE	EV (112010, DCM, "Texture Descriptor")	1	U		DCID 6131 “Chest Texture Descriptor”
15			CODE	EV (112030, DCM, "Calcification Descriptor")	1	U		DCID 6132 “Chest Calcification Descriptor”
16			NUM	DCID 6142 “Calculated Value”	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
17	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	M		DCID 6140 “Calculation Methods”
18	>	INFERRED FROM	NUM	EV (112032, DCM, "Threshold Attenuation Coefficient")	1	U		UNITS = EV ([hnsf'U], UCUM, "Hounsfield unit")
19	>	INFERRED FROM	TEXT	EV (112034, DCM, "Calculation Description")	1	U		
20			NUM	DCID 6141 “Attenuation Coefficient Measurements”	1-n	U		UNITS = EV ([hnsf'U], UCUM, "Hounsfield unit")

TID 4106 Response Evaluation

This Template provides a means to report response evaluation to cancer treatment, based on a method such as RECIST or WHO.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4106. Response Evaluation

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (112020, DCM, "Response Evaluation")	1	M		
2	>	HAS OBS CONTEXT	CODE	EV (112021, DCM, "Response Evaluation Method")	1	M		DT (112022, DCM, "RECIST") or DT (112029, DCM, "WHO")
3	>	CONTAINS	CODE	EV (112048, DCM, "Current Response")	1	U		DCID 6143 “Lesion Response”
4	>	CONTAINS	CODE	EV (112049, DCM, "Best Overall Response")	1	U		DCID 6143 “Lesion Response”
5	>	CONTAINS	NUM	EV (112051, DCM, "Measurement of Response")	1	U		UNITS not specified

TID 4107 Chest CAD Geometry

All geometry Template invocations require specification of either the location of the center of the object, the outline, or both. Geometry is a property of single image findings (see TID 4104 “Chest CAD Single Image Finding”) and composite features (see TID 4103 “Chest CAD Composite Feature Body”).

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4107. Chest CAD Geometry

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			SCOORD	EV (111010, DCM, "Center")	1	MC	At least one of rows 1, 4 shall be present.	GRAPHIC TYPE = {POINT}
2	>	SELECTED FROM	IMAGE		1	MC	XOR row 3	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	R-SELECTED FROM	IMAGE		1	MC	XOR row 2	Shall reference an IMAGE Content Item in the (111028, DCM, "Image Library")
4			SCOORD	EV (111041, DCM, "Outline")	1	MC	At least one of rows 1, 4 shall be present.	
5	>	SELECTED FROM	IMAGE		1	MC	XOR row 6	Shall reference the same Content Item as row 2
6	>	R-SELECTED FROM	IMAGE		1	MC	XOR row 5	Shall reference the same Content Item as row 3

TID 4108 Tracking Identifier

This Template provides a means to identify an object for longitudinal tracking, potentially across multiple Structured Reports, over time.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4108. Tracking Identifier

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			TEXT	EV (112039, DCM, "Tracking Identifier")	1	MC	At least one of row 1 or 2 shall be present.	A string of characters with case being non-significant. Leading and trailing spaces and control characters are forbidden.
2			UIDREF	EV (112040, DCM, "Tracking Unique Identifier")	1	MC	At least one of row 1 or 2 shall be present.	

Content Item Descriptions

Tracking Identifier	A human readable identifier for longitudinal tracking, e.g., "Watchlist Nodule 1".
Tracking Unique Identifier	This is distinct from the Observation UID (0040,A171) that may be present in the Data Set for each Content Item, which identifies only a specific observation, not an object tracked over time, and each tracked object may have many observations.

Colon CAD SR IOD Templates

The Templates that comprise the Colon CAD SR IOD are interconnected as in Figure A-9b. In Figure A-9b, '···' indicates possible recursive application of subordinate Templates.

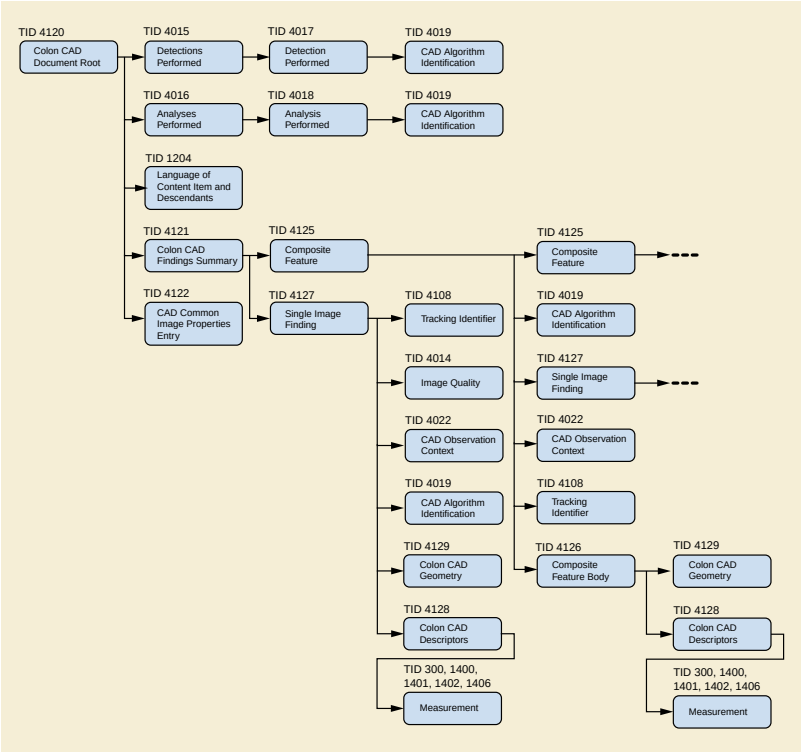

Figure A-9b. Colon CAD SR IOD Template Structure

TID 4120 Colon CAD Document Root

This Template forms the top of a content tree that allows a colon CAD device to describe the results of detection and analysis of colon evidence. This Template, together with its subordinate Templates, describes both the results for presentation to radiologists and partial product results for consumption by colon CAD devices in subsequent colon CAD reports.

This Template defines a Container that contains the CAD results and summaries of the detection and analysis algorithms performed.

The atomic CAD results of Single Image Findings and Composite Features are described in the Colon CAD Findings Summary sub-tree.

The Summary of Detections and Summary of Analyses sub-trees gather lists of algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in these sub-trees. This information forms the basis for understanding why a colon CAD report may produce no (or fewer than anticipated) results. Colon CAD results are constructed bottom-up, starting from Single Image Findings (see TID 4127 “Colon CAD Single Image Finding”), associated as Composite Features (see TID 4125 “Colon CAD Composite Feature”).

See Figure SS.1-1 “Top Levels of Colon CAD SR Content Tree” in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **Yes**

Table TID 4120. Colon CAD Document Root

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (112220, DCM, "Colon CAD Report")	1	M		Root node

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	CONTAINS	INCLUDE	DTID 4122 “CAD Common Image Properties Entry”	1-n	M		
4	>	CONTAINS	INCLUDE	DTID 4121 “Colon CAD Findings Summary”	1	M		
5	>	CONTAINS	CODE	EV (111064, DCM, "Summary of Detections")	1	M		DCID 6042 “Status of Results”
6	>>	INFERRED FROM	INCLUDE	DTID 4015 “CAD Detections Performed”	1	MC	Shall be present unless the value of row 5 is (111225, DCM, "Not Attempted")	$DetectionCode = DCID 6201 “Colon Finding or Feature”
7	>	CONTAINS	CODE	EV (111065, DCM, "Summary of Analyses")	1	M		DCID 6042 “Status of Results”
8	>>	INFERRED FROM	INCLUDE	DTID 4016 “CAD Analyses Performed”	1	MC	Shall be present unless the value of row 7 is (111225, DCM, "Not Attempted")	$AnalysisCode = DCID 6137 “Types of CAD Analysis”

Content Item Descriptions

Detections Performed	The "Detections Performed" and "Analyses Performed" sections of the Content Tree (TID 4120 “Colon CAD Document Root”, rows 6 and 8) together shall reference all Image SOP Instances included in the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module.
Analyses Performed	

TID 4121 Colon CAD Findings Summary

The contents of this Template describe the findings and aggregate features that the colon CAD device detected for the colon evidence presented. This Template forms the colon CAD results sub-tree of the Colon CAD Document Root (TID 4120 “Colon CAD Document Root”). The data from which the details are inferred are expressed in the Composite Features (see TID 4125 “Colon CAD Composite Feature”) and/or Single Image Findings (see TID 4127 “Colon CAD Single Image Finding”), of which there may be several.

The sub-tree headed by this Template is illustrated in Figure F.1-2 “Example of CAD Processing and Findings Summary Sub-Tree of Chest CAD SR Content Tree” in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4121. Colon CAD Findings Summary

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111017, DCM, "CAD Processing and Findings Summary")	1	M		DCID 6047 “CAD Processing and Findings Summary”
2	>	HAS PROPERTIES	CODE	EV (112222, DCM, "Colon Overall Assessment")	1	U		DCID 6200 “Colon Overall Assessment”
3	>	INFERRED FROM	INCLUDE	DTID 4125 “Colon CAD Composite Feature”	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>	INFERRED FROM	INCLUDE	DTID 4127 “Colon CAD Single Image Finding”	1-n	U		

Content Item Descriptions

CAD Processing and Findings Summary	This code value is used to express if and why the Colon CAD Findings Summary sub-tree is empty. The Summary of Detections and Summary of Analyses sub-trees of the Document Root node contain detail about which (if any) algorithms succeeded or failed. If the code value indicates that there were no findings, then the code value can be used to determine whether colon CAD processing occurred successfully, without parsing the Summary of Detections and Summary of Analyses sub-trees.

TID 4122 CAD Common Image Properties Entry

Each instance of the CAD Common Image Properties Entry Template contains selected attributes for a set of parallel contiguous equally spaced slices (with identical properties) from which CAD findings are derived.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 4122. CAD Common Image Properties Entry

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (112224, DCM, "Image Set Properties")	1	M		
2	>	CONTAINS	UIDREF	EV (112227, DCM, "Frame of Reference UID")	1	M		
3	>	CONTAINS	UIDREF	EV (110180, DCM, "Study Instance UID")	1	M		
4	>	CONTAINS	DATE	EV (111060, DCM, "Study Date")	1	M		Shall be taken from Study Date (0008,0020) in the Image Instances.
5	>	CONTAINS	TIME	EV (111061, DCM, "Study Time")	1	M		Shall be taken from Study Time (0008,0030) in the Image Instances.
6	>	CONTAINS	CODE	EV (121139, DCM, "Modality")	1	M		Shall be taken from Modality (0008,0060) in the Image Instances.
7	>	CONTAINS	NUM	EV (111026, DCM, "Horizontal Pixel Spacing")	1	M		Shall be taken from value 2 of Pixel Spacing (0028,0030) in the Image Instances. UNITS = EV (mm/{pixel}, UCUM, "millimeters per pixel")
8	>	CONTAINS	NUM	EV (111066, DCM, "Vertical Pixel Spacing")	1	M		Shall be taken from value 1 of Pixel Spacing (0028,0030) in the Image Instances. UNITS = EV (mm/{pixel}, UCUM, "millimeters per pixel")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9	>	CONTAINS	NUM	EV (112225, DCM, "Slice Thickness")	1	M		Shall be taken from Slice Thickness (0018,0050) in the Image Instances. UNITS = EV (mm, UCUM, "millimeter")
10	>	CONTAINS	NUM	EV (112226, DCM, "Spacing between slices")	1	M		Shall be computed from the Image Position (Patient) (0020,0032) projected onto the normal to the Image Orientation (Patient) (0020,0037); may or may not be the same as the Spacing Between Slices (0018,0088) if present. UNITS = EV (mm, UCUM, "millimeter")
11	>	CONTAINS	CODE	EV (112228, DCM, "Recumbent Patient Position with respect to gravity")	1	MC	Required if Patient Position (0018,5100) is present in the image instances and has a value.	Shall be derived from Patient Position (0018,5100) in the Image Instances. DCID 6206 “Recumbent Patient Orientation for Colon”

TID 4125 Colon CAD Composite Feature

This Template collects a composite feature for a lesion, non-lesion object, or correlation of related objects (see TID 4121 “Colon CAD Findings Summary”). The details of the composition are expressed in the Colon CAD Composite Feature Body (see TID 4126 “Colon CAD Composite Feature Body”). The data from which the details are inferred, are expressed in the Composite Features (see TID 4125 “Colon CAD Composite Feature”) and/or Single Image Findings (see TID 4127 “Colon CAD Single Image Finding”), of which there may be several.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4125. Colon CAD Composite Feature

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111015, DCM, "Composite Feature")	1	M		DCID 6201 “Colon Finding or Feature”
2	>	HAS CONCEPT MOD	CODE	EV (112023, DCM, "Composite Feature Modifier")	1	U		DCID 6202 “Colon Finding or Feature Modifier”
3	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, "Rendering Intent")	1	M		DCID 6034 “Intended Use of CAD Output”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>>	HAS PROPERTIES	NUM	EV (111071, DCM, "CAD Operating Point")	1	UC	IFF value of row 3 is (111151, DCM, "Presentation Optional") and row 1 of TID 4023 “CAD Operating Points” is present for the feature identified in row 1.	UNITS = DT ({1:n}, UCUM, "range: 1:n"), where n is the maximum specified in Row 1 of TID 4023 “CAD Operating Points” for the feature identified in row 1. Value is restricted to being an integer.
5	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		
6	>	HAS OBS CONTEXT	INCLUDE	DTID 4022 “CAD Observation Context”	1	MC	Shall be present IFF this feature is duplicated from a different report than its parent.	
7	>	HAS OBS CONTEXT	INCLUDE	DTID 4019 “Algorithm Identification”	1	M		
8	>	HAS PROPERTIES	INCLUDE	DTID 4126 “Colon CAD Composite Feature Body”	1	M		
9	>	INFERRED FROM	INCLUDE	DTID 4125 “Colon CAD Composite Feature”	1-n	U		
10	>	INFERRED FROM	INCLUDE	DTID 4127 “Colon CAD Single Image Finding”	1-n	U		

Content Item Descriptions

Rendering Intent	This Content Item constrains the SCP receiving the Colon CAD SR IOD in its use of the contents of this Template and its Target Content Items. Colon CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent colon CAD processing steps. Refer to Section O.2 “Structured Reporting Storage SOP Class SCU and SCP Behavior” in PS3.4.

TID 4126 Colon CAD Composite Feature Body

The details of a composite feature are expressed in this Template. It is applied to Colon CAD Composite Feature (TID 4125 “Colon CAD Composite Feature”).

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4126. Colon CAD Composite Feature Body

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111016, DCM, "Composite type")	1	M		DCID 6035 “Composite Feature Relations”
2			CODE	EV (111057, DCM, "Scope of Feature")	1	M		DCID 6036 “Scope of Feature”
3			NUM	EV (111011, DCM, "Certainty of feature")	1	U		UNITS = EV (%, UCUM, "Percent") Value = 0 - 100

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4			INCLUDE	DTID 4129 “Colon CAD Geometry”	1	U		
5			INCLUDE	DTID 4128 “Colon CAD Descriptors”	1	U		
6			NUM	DCID 6207 “Colon Quantitative Temporal Difference Type”	1-n	UC	May be present IFF the value of row 1 is (111153, DCM, "Target content items are related temporally")	
7	>	R-INFERRED FROM	NUM		2	U		The referenced numeric values shall have the same Concept Name. Their UNITS shall be the same as row 6
8			CODE	EV (111049, DCM, "Qualitative Difference")	1-n	UC	May be present only if the value of row 1 is (111153, DCM, "Target content items are related temporally")	DCID 6134 “Chest Qualitative Temporal Difference Type”
9	>	HAS PROPERTIES	TEXT	EV (111021, DCM, "Description of Change")	1	U		
10	>	R-INFERRED FROM	CODE		2	M		The referenced Content Items shall have the same Concept Name and their code values shall be from the same context group.

Content Item Descriptions

Certainty of Feature	The CAD device's certainty that the feature analyzed and classified by the CODE, as specified in the Composite Feature parent Template is, in fact, that type of feature.
Row 6	Values ≤ 0 are allowed. The two referenced numeric values are Target Content Items of the first generation Composite Feature or Single Image Finding children of this composite feature. Given the equation, A - B, the value representing A shall be referenced first.
Qualitative Difference	The two referenced code values are Target Content Items of the first generation Composite Feature or Single Image Finding children of this composite feature.

TID 4127 Colon CAD Single Image Finding

This Template describes a single image finding for a lesion or other object. The details of the finding are expressed in this Template and/or more specific Templates.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4127. Colon CAD Single Image Finding

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111059, DCM, "Single Image Finding")	1	M		DCID 6201 “Colon Finding or Feature”
2	>	HAS CONCEPT MOD	CODE	EV (112024, DCM, "Single Image Finding Modifier")	1	U		DCID 6202 “Colon Finding or Feature Modifier”
3	>	HAS CONCEPT MOD	CODE	EV (111056, DCM, "Rendering Intent")	1	M		DCID 6034 “Intended Use of CAD Output”
4	>>	HAS PROPERTIES	NUM	EV (111071, DCM, "CAD Operating Point")	1	UC	IFF value of row 3 is (111151, DCM, "Presentation Optional") and row 1 of TID 4023 “CAD Operating Points” is present for the finding identified in row 1	UNITS = DT ({1:n}, UCUM, "range: 1:n"), where n is the maximum specified in Row 1 of TID 4023 “CAD Operating Points” for the finding identified in row 1. Value is restricted to being an integer.
5	>	HAS OBS CONTEXT	INCLUDE	DTID 4108 “Tracking Identifier”	1	U		
6	>	HAS OBS CONTEXT	INCLUDE	DTID 4022 “CAD Observation Context”	1	MC	Shall be present IFF this finding is duplicated from a different report than its parent.	
7	>	HAS OBS CONTEXT	INCLUDE	DTID 4019 “Algorithm Identification”	1	M		
8	>	HAS PROPERTIES	NUM	EV (111012, DCM, "Certainty of Finding")	1	U		UNITS = EV (%, UCUM, "Percent") Value = 0 - 100
9	>	HAS PROPERTIES	TEXT	EV (111058, DCM, "Selected Region Description")	1	MC	Shall be present IFF value of row 1 is (111099, DCM, "Selected region")	
10	>	HAS PROPERTIES	INCLUDE	DTID 4129 “Colon CAD Geometry”	1	MC	Shall be present unless value of row 1 is (111101, DCM, "Image quality")	
11	>	HAS PROPERTIES	INCLUDE	DTID 4128 “Colon CAD Descriptors”	1	U		
12	>	INFERRED FROM	IMAGE		1	MC	Shall be present IFF value of row 1 is (111101, DCM, "Image quality") and row 13 is not present	
13	>	INFERRED FROM	SCOORD	EV (111030, DCM, "Image Region")	1-n	MC	Shall be present IFF value of row 1 is (111101, DCM, "Image quality") and row 12 is not present	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
14	>>	SELECTED FROM	IMAGE		1	M		All the row 13 Content Items in a single invocation of this Template shall reference the same IMAGE
15	>	HAS PROPERTIES	INCLUDE	DTID 4014 “CAD Image Quality”	1	MC	Shall be present IFF value of row 1 is (111101, DCM, "Image quality")	$QualityFinding = DCID 6135 “Image Quality Finding” $QualityStandard = DCID 6208 “Colon Types of Quality Control Standard”

Content Item Descriptions

Rendering Intent	This Content Item constrains the SCP receiving the Colon CAD SR IOD in its use of the contents of this Template and its Target Content Items. Colon CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent colon CAD processing steps. Refer to Section O.2 “Structured Reporting Storage SOP Class SCU and SCP Behavior” in PS3.4.
CAD Operating Point	Additional information to use when Rendering Intent is "Presentational Optional". A CAD Operating Point of zero is not sent, and is encoded as a Rendering Intent of "Presentation Required". See Section O.2 “Structured Reporting Storage SOP Class SCU and SCP Behavior” in PS3.4 and Section E.4 “CAD Operating Point” in PS3.17.
Certainty of Finding	The certainty of the CAD device that the finding detected and classified by the Single Image Finding CODE specified is in fact that type of finding.

TID 4128 Colon CAD Descriptors

This Template provides qualitative detail for a Single Image Finding or Composite Feature. It is applied to Colon CAD Composite Feature (TID 4125 “Colon CAD Composite Feature”) and Colon CAD Single Image Finding (TID 4127 “Colon CAD Single Image Finding”).

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4128. Colon CAD Descriptors

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (116676008, SCT, "Associated Morphology")	1-n	U		DCID 6209 “Colon Morphology Descriptor”
2			CODE	EV (363698007, SCT, "Finding Site")	1	U		DCID 6210 “Location in Intestinal Tract”
3			CODE	EV (111014, DCM, "Clockface or region")	1	U		DCID 6205 “Clockface Location for Colon”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4		CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 6212 “Calculated Value for Colon Findings” $Derivation = DCID 6140 “Calculation Methods” $DerivationParameter = EV (112032, DCM, "Threshold Attenuation Coefficient") $DerivationParameterUnits = EV ([hnsf'U], UCUM, "Hounsfield unit")
5			INCLUDE	DTID 1400 “Linear Measurement”	1-n	U		
6			INCLUDE	DTID 1401 “Area Measurement”	1-n	U		
7			INCLUDE	DTID 1402 “Volume Measurement”	1-n	U		
8			INCLUDE	DTID 1406 “Three Dimensional Linear Measurement”	1-n	U		
9			NUM	DCID 6141 “Attenuation Coefficient Measurements”	1-n	U		UNITS = EV ([hnsf'U], UCUM, "Hounsfield unit")
10	>	HAS PROPERTIES	CODE	EV (112009, DCM, "Type of Content")	1	U		DCID 6211 “Colon CAD Material Description”

Content Item Descriptions

Row 3	12 o'clock position is the anterior direction of the patient regardless of the positioning with respect to gravity; clockwise is from the point of view of an observer located closer to the anus than the finding being observed.

TID 4129 Colon CAD Geometry

All geometry Template invocations require specification of either the location of the center of the object, the outline, or both. Geometry is a property of single image findings (see TID 4127 “Colon CAD Single Image Finding”) and composite features (see TID 4125 “Colon CAD Composite Feature”).

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4129. Colon CAD Geometry

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			SCOORD	EV (111010, DCM, "Center")	1	MC	At least one of rows 1, 3, 4, 6 or 10 shall be present.	GRAPHIC TYPE = {POINT}
2	>	SELECTED FROM	IMAGE		1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3			SCOORD3D	EV (111010, DCM, "Center")	1	MC	At least one of rows 1, 3, 4, 6 or 10 shall be present.	GRAPHIC TYPE = {POINT}
4			SCOORD	EV (111041, DCM, "Outline")	1	MC	At least one of rows 1, 3, 4, 6 or 10 shall be present.	
5	>	SELECTED FROM	IMAGE		1	M		
6			SCOORD3D	EV (111041, DCM, "Outline")	1	MC	At least one of rows 1, 3, 4, 6 or 10 shall be present.	
7			SCOORD	DCID 6166 “CAD Geometry Secondary Graphical Representation”	1-n	U		
8	>	SELECTED FROM	IMAGE		1	M		
9			SCOORD3D	DCID 6166 “CAD Geometry Secondary Graphical Representation”	1-n	U		
10			IMAGE	EV (112229, DCM, "Identifying Segment")	1	MC	At least one of rows 1, 3, 4, 6 or 10 shall be present.	Referenced image shall be a Segmentation and the Content Item shall include Referenced Segment Number (0062,000B)

Breast Imaging Report Templates

The Templates that comprise the Breast Imaging Report are interconnected as in Figure A-10.

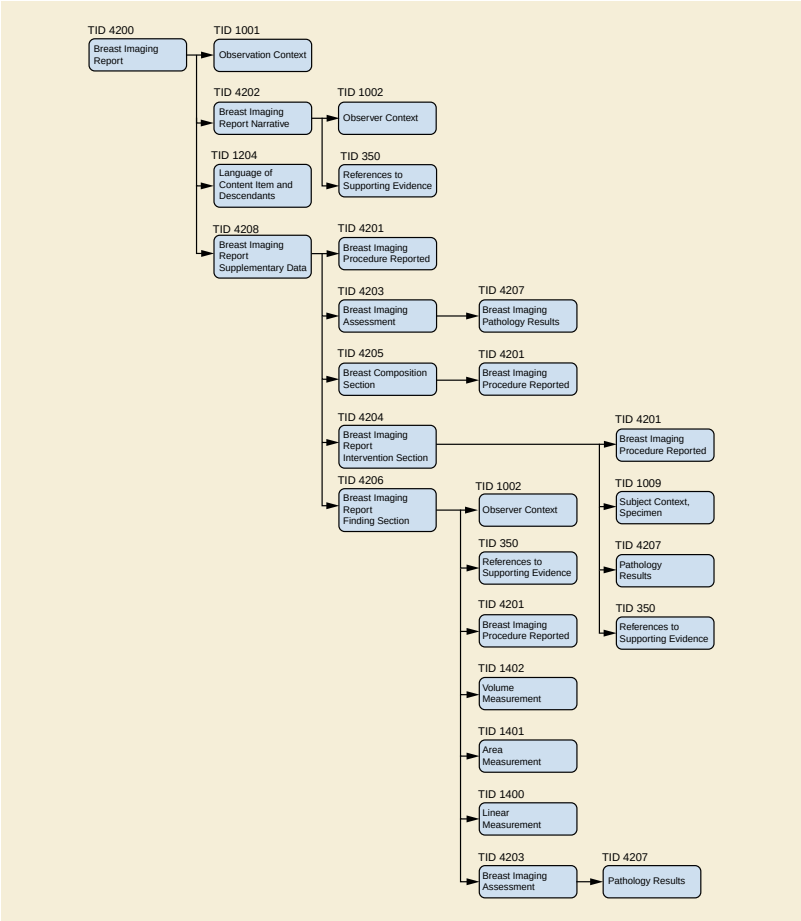

Figure A-10. Breast Imaging Report Template Structure

TID 4200 Breast Imaging Report

This Template forms the content tree that allows a Breast Imaging Report device to describe the results of a radiologist's diagnostic interpretation of Breast Imaging (e.g., X-Ray mammography or breast ultrasound) evidence. This Template, together with its subordinate Templates, describes the results for presentation to clinicians, or for consumption by Breast Imaging Report devices for subsequent Breast Imaging Reports.

This Template shall be instantiated at the Root node only.

See Figure Q.1-1 “Top Level of Breast Imaging Report Content Tree” in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **Yes**

Table TID 4200. Breast Imaging Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111400, DCM, "Breast Imaging Report")	1	M		Root node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2a	>	HAS OBS CONTEXT	INCLUDE	TID 1001 “Observation Context”	1	U		
2b	>	CONTAINS	INCLUDE	DTID 4209 “Breast Patient Characteristics”	1	U		
3	>	CONTAINS	INCLUDE	DTID 4202 “Breast Imaging Report Narrative”	1	M		
4	>	CONTAINS	INCLUDE	DTID 4208 “Breast Imaging Report Supplementary Data”	1	U		

TID 4201 Breast Imaging Procedure Reported

A procedure that is reported in a Breast Imaging Report is expressed in this Template. The results of more than one procedure may be included in a single report instance (see TID 4208 “Breast Imaging Report Supplementary Data”).

See Figure Q.1-2 “Breast Imaging Procedure Reported Content Tree” in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4201. Breast Imaging Procedure Reported

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (121058, DCM, "Procedure reported")	1	M		DCID 6050 “Breast Procedure Reported”
2	>	HAS CONCEPT MOD	CODE	EV (111464, DCM, "Procedure Modifier")	1-n	U		DCID 6058 “Procedure Modifiers for Breast”
3	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	M		DCID 6022 “Side”
4	>	HAS PROPERTIES	CODE	EV (111401, DCM, "Reason for procedure")	1	U		DCID 6051 “Breast Procedure Reason”
5	>>	HAS CONCEPT MOD	CODE	EV (118578006, SCT, "Relative time")	1	U		DCID 12102 “Temporal Periods Relating to Procedure or Therapy”
6	>>	HAS CONCEPT MOD	CODE	EV (111402, DCM, "Clinical Finding")	1-n	UC	IFF row 4 value is "Clinical Finding"	DCID 6055 “Breast Clinical Finding or Indicated Problem” Breast Clinical Finding or Indicated Problem
7	>>>	HAS PROPERTIES	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 6022 “Side”
8	>	HAS PROPERTIES	DATE	EV (111060, DCM, "Study Date")	1	U		

Content Item Descriptions

Row 5 "Relative time"	This Content Item indicates whether the value of "Reason for procedure" (row 4) is modified with "pre-" or "follow-up".

TID 4202 Breast Imaging Report Narrative

This Template contains the narrative text sub-tree of the content tree of a Breast Imaging Report. The narrative summary may be subdivided into sections with section headings.

See Figure Q.1-3 “Breast Imaging Report Narrative Content Tree” in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4202. Breast Imaging Report Narrative

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111412, DCM, "Narrative Summary")	1	M		
2	>	CONTAINS	CONTAINER	BCID 6052 “Breast Imaging Report Section Title”	1-n	M		
3	>>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	U		
4	>>	CONTAINS	TEXT	BCID 6053 “Breast Imaging Report Elements”	1	M		
5	>>>	INFERRED FROM	INCLUDE	DTID 350 “References to Supporting Evidence”	1	U		

TID 4203 Breast Imaging Assessment

This Template provides the content of a Breast Imaging Assessment, for an overall assessment section for the entire report (see TID 4208 “Breast Imaging Report Supplementary Data”) or an assessment of a particular finding (see TID 4206 “Breast Imaging Report Finding Section”). This Template defines a code-based assessment of the interpretation results.

See Figure Q.1-5 “Breast Imaging Assessment Content Tree” in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4203. Breast Imaging Assessment

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (111005, DCM, "Assessment Category")	1	M		DCID 6026 “Mammography Assessment”
2			CODE	EV (111053, DCM, "Recommended Follow-up")	1-n	U		BCID 6028 “Mammography Recommended Follow-up”
3	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 6022 “Side”
4	>	HAS PROPERTIES	NUM	EV (111055, DCM, "Recommended Follow-up Interval")	1	U		UNITS = DCID 6046 “Units of Follow-up Interval” Values = Integer ≥ 0, where 0 = immediate follow-up

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	HAS PROPERTIES	DATE	EV (111054, DCM, "Recommended Follow-up Date")	1	U		
6	>	HAS PROPERTIES	INCLUDE	DTID 4207 “Breast Imaging Pathology Results”	1-n	U		

TID 4204 Breast Imaging Report Intervention Section

This Template defines a supplementary data section for an Intervention of the breast, for the Breast Imaging Report. It is included from TID 4208 “Breast Imaging Report Supplementary Data”.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 4204. Breast Imaging Report Intervention Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111463, DCM, "Supplementary Data for Intervention")	1	M		
2	>	CONTAINS	INCLUDE	DTID 4201 “Breast Imaging Procedure Reported”	1	M		
3	>	CONTAINS	CODE	EV (57134006, SCT, "Instrument")	1	U		
4	>>	HAS PROPERTIES	TEXT	EV (111465, DCM, "Needle Gauge")	1	UC	XOR row 5	
5	>>	HAS PROPERTIES	CODE	EV (111465, DCM, "Needle Gauge")	1	UC	XOR row 4	
6	>>	HAS PROPERTIES	NUM	EV (111467, DCM, "Needle Length")	1	U		UNITS = EV (cm, UCUM, "centimeter")
7	>	CONTAINS	NUM	EV (111436, DCM, "Number of passes")	1	U		UNITS = EV ({passes}, UCUM, "passes")
8	>	CONTAINS	NUM	EV (111437, DCM, "Number of specimens")	1	U		UNITS = EV ({specimens}, UCUM, "specimens")
9	>	CONTAINS	CODE	EV (111431, DCM, "Instrument Approach")	1-n	U		DCID 6065 “Instrument Approach”
10	>	CONTAINS	CODE	EV (111438, DCM, "Needle in target")	1	U		DCID 230 “Yes-No”
11	>	CONTAINS	NUM	EV (111439, DCM, "Number of needles around target")	1	U		UNITS = EV ({needles}, UCUM, "needles")
12	>	CONTAINS	CODE	EV (182833002, SCT, "Medication given")	1-n	U		
13	>	CONTAINS	CODE	EV (111440, DCM, "Incision made")	1	U		DCID 230 “Yes-No”
14	>	CONTAINS	CODE	EV (111123, DCM, "Marker placement")	1	U		DCID 230 “Yes-No”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>	CONTAINS	CODE	EV (111442, DCM, "Confirmation of target")	1	U		DCID 6066 “Target Confirmation”
16	>	CONTAINS	CODE	EV (116224001, SCT, "Complication of procedure")	1-n	U		DCID 6062 “Interventional Procedure Complications”
17	>>	HAS PROPERTIES	CODE	EV (111466, DCM, "Severity of Complication")	1	U		DCID 251 “Severity of Complication”
18	>	CONTAINS	CONTAINER	EV (121027, DCM, "Specimen")	1-n	U		
19	>>	HAS OBS CONTEXT	INCLUDE	DTID 1009 “Subject Context, Specimen”	1	U		
20	>>	CONTAINS	CODE	EV (250431005, SCT, "Color of fluid")	1	U		DCID 6067 “Fluid Color”
21	>>	CONTAINS	CODE	EV (111456, DCM, "Action on fluid")	1	U		DT (111457, DCM, "Sent for analysis") DT (111458, DCM, "Discarded")
22	>>	CONTAINS	CODE	EV (111455, DCM, "Occult blood test result")	1	U		DCID 250 “Positive-Negative”
23	>>	CONTAINS	INCLUDE	DTID 4207 “Breast Imaging Pathology Results”	1-n	U		
24	>	CONTAINS	INCLUDE	DTID 350 “References to Supporting Evidence”	1	U		

TID 4205 Breast Composition Section

This Template defines a Breast Composition section for the supplementary data sub-tree of the Breast Imaging Report. It is included from TID 4208 “Breast Imaging Report Supplementary Data”.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4205. Breast Composition Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (129715009, SCT, "Breast composition")	1	M		
2	>	CONTAINS	INCLUDE	DTID 4201 “Breast Imaging Procedure Reported”	1-n	U		
3	>	CONTAINS	CODE	EV (129715009, SCT, "Breast composition")	1-n	MC	At least one of row 3, 5 shall be present	DCID 6000 “Overall Breast Composition”
4	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	M		DCID 6022 “Side”
5	>	CONTAINS	NUM	EV (111046, DCM, "Percent Fibroglandular Tissue")	1-n	MC	At least one of row 3, 5 shall be present	UNITS = EV (%, UCUM, "Percent")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	M		DCID 6022 “Side”
7	>	CONTAINS	CODE	EV (111350, DCM, "Breast background echo texture")	1-2	U		DCID 6151 “Background Echotexture”
8	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	M		DCID 6022 “Side”

TID 4206 Breast Imaging Report Finding Section

This Template defines a supplementary data section for the Findings of the Breast Imaging Report. It is included from TID 4208 “Breast Imaging Report Supplementary Data”.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 4206. Breast Imaging Report Finding Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	U		
3	>	CONTAINS	INCLUDE	DTID 4201 “Breast Imaging Procedure Reported”	1	M		
4	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	M		DCID 6054 “Breast Imaging Findings”
5	>>	HAS CONCEPT MOD	CODE	EV (111405, DCM, "Implant type")	1-n	UC	May be present if value of row 4 is (40388003, SCT, "Implant")	DCID 6059 “Breast Implant Types”
5b	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 6022 “Side”
6	>>	HAS PROPERTIES	INCLUDE	DTID 4203 “Breast Imaging Assessment”	1	U		
7	>>	HAS PROPERTIES	CODE	EV (111014, DCM, "Clockface or region")	1	U		DCID 6018 “Clockface Location or Region”
8	>>	HAS PROPERTIES	CODE	EV (111048, DCM, "Quadrant location")	1	U		DCID 6020 “Quadrant Location”
9	>>	HAS PROPERTIES	INCLUDE	DTID 1400 “Linear Measurement”	1-n	U		
10	>>	HAS PROPERTIES	INCLUDE	DTID 1401 “Area Measurement”	1-n	U		
11	>>	HAS PROPERTIES	INCLUDE	DTID 1402 “Volume Measurement”	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
12	>>	HAS PROPERTIES	CODE	EV (111020, DCM, "Depth")	1	U		DCID 6024 “Depth”
13	>>	HAS PROPERTIES	CODE	EV (111035, DCM, "Lesion Density")	1	U		DCID 6008 “Density Modifier”
14	>>	HAS PROPERTIES	CODE	EV (107644003, SCT, "Shape")	1-n	U		DCID 6004 “Mammography Characteristics of Shape”
15	>>	HAS PROPERTIES	CODE	EV (111037, DCM, "Margins")	1-n	U		DCID 6006 “Mammography Characteristics of Margin”
16	>>	HAS PROPERTIES	CODE	EV (111009, DCM, "Calcification Type")	1-n	U		DCID 6010 “Mammography Calcification Types”
17	>>	HAS PROPERTIES	CODE	EV (111008, DCM, "Calcification Distribution")	1	U		DCID 6012 “Calcification Distribution Modifier”
18	>>	HAS PROPERTIES	NUM	EV (111038, DCM, "Number of calcifications")	1	U		UNITS = EV ({calcifications}, UCUM, "calcifications") Value = Integer 1 - n
19	>>	HAS PROPERTIES	CODE	EV (111407, DCM, "Implant finding")	1-n	U		DCID 6072 “Breast Implant Findings”
20	>>	HAS PROPERTIES	CODE	EV (246090004, SCT, "Associated Finding")	1-n	U		DCID 6056 “Associated Findings for Breast”
21	>>	HAS PROPERTIES	NUM	EV (111406, DCM, "Number of similar findings")	1	U		UNITS = EV ({findings}, UCUM, "findings") Value = Integer 2 - n
22	>>	HAS PROPERTIES	CODE	EV (129720009, SCT, "Change since last mammogram")	1-n	U		DCID 6002 “Change Since Last Mammogram or Prior Surgery”
23	>>	HAS PROPERTIES	CODE	EV (111354, DCM, "Orientation")	1	U		DCID 6152 “Orientation”
24	>>	HAS PROPERTIES	CODE	EV (111357, DCM, "Lesion boundary")	1	U		DCID 6153 “Lesion Boundary”
25	>>	HAS PROPERTIES	CODE	EV (111360, DCM, "Echo pattern")	1	U		DCID 6154 “Echo Pattern”
26	>>	HAS PROPERTIES	CODE	EV (111366, DCM, "Posterior acoustic features")	1	U		DCID 6155 “Posterior Acoustic Features”
27	>>	HAS PROPERTIES	CODE	EV (111371, DCM, "Identifiable effect on surrounding tissues")	1	U		DCID 6015 “Single Image Finding from BI-RADS®”
28	>>	HAS PROPERTIES	CODE	EV (111372, DCM, "Vascularity")	1	U		DCID 6157 “Vascularity”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
29	>>	HAS PROPERTIES	CODE	EV (111380, DCM, "Correlation to Other Findings")	1-n	U		DCID 6158 “Correlation to Other Findings”
30	>>	INFERRED FROM	INCLUDE	DTID 350 “References to Supporting Evidence”	1	U		

Content Item Descriptions

Row 5b	The laterality of the finding may be different from the laterality of the procedure specified in Row 3, if the latter is undefined or bilateral. If this content item is absent, the laterality of the procedure is assumed to apply. The laterality of the finding may be bilateral.

TID 4207 Breast Imaging Pathology Results

This Template defines the pathology results for a procedure. It may be applied to a Breast Imaging Assessment (see TID 4203 “Breast Imaging Assessment”), or a Breast Imaging Intervention (see TID 4204 “Breast Imaging Report Intervention Section”).

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 4207. Breast Imaging Pathology Results

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111468, DCM, "Pathology Results")	1	M		
2	>	CONTAINS	INCLUDE	DTID 4201 “Breast Imaging Procedure Reported”	1	U		
3	>	CONTAINS	DATETIME	EV (111469, DCM, "Sampling DateTime")	1	M		
4	>	CONTAINS	CODE	EV (122177, DCM, "Procedure Result")	1	M		DCID 6063 “Interventional Procedure Results”
5	>	CONTAINS	CODE	EV (111042, DCM, "Pathology")	1-n	U		BCID 6030 “Mammography Pathology Codes”
6	>>	HAS PROPERTIES	CODE	EV (111388, DCM, "Malignancy Type")	1	U		DCID 6159 “Malignancy Type”
7	>>	HAS PROPERTIES	NUM	DCID 6165 “Breast Linear Measurements”	1-n	U		UNITS = EV (mm, UCUM, "millimeter")
8	>>	HAS PROPERTIES	CODE	EV (373372005, SCT, "Histological grade finding")	1	U		BCID 6069 “Nottingham Combined Histologic Grade” BCID 6070 “Bloom-Richardson Histologic Grade”
9	>>>	HAS CONCEPT MOD	CODE	EV (371469007, SCT, "Histologic grade")	1	U		BCID 6071 “Histologic Grading Method”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
10	>>	HAS PROPERTIES	CODE	EV (372249001, SCT, "Tumor margin status")	1	U		DT (111470, DCM, "Uninvolved"), DT (111471, DCM, "Involved")
11	>>	HAS PROPERTIES	CODE	EV (111472, DCM, "Nipple involved")	1	U		DCID 230 “Yes-No”
12	>>	HAS PROPERTIES	NUM	EV (111473, DCM, "Number of nodes removed")	1	U		UNITS = EV ({nodes}, UCUM, "nodes")
13	>>	HAS PROPERTIES	NUM	EV (111474, DCM, "Number of nodes positive")	1	MC	Shall be present IFF value of row 12 is > 0	UNITS = EV ({nodes}, UCUM, "nodes")
14	>>	HAS PROPERTIES	CODE	EV (385385001, SCT, "pT category finding")	1	U		DCID 6160 “Breast Primary Tumor Assessment From AJCC”
15	>>	HAS PROPERTIES	CODE	EV (385382003, SCT, "Node stage finding")	1	U		DCID 6161 “Clinical Regional Lymph Node Assessment for Breast”
16	>>	HAS PROPERTIES	CODE	EV (385380006, SCT, "Metastasis stage finding")	1	U		DCID 6162 “Assessment of Metastasis for Breast”
17	>>	HAS PROPERTIES	CODE	EV (385356007, SCT, "Tumor stage finding")	1	U		BCID 6068 “Tumor Stages From AJCC”
18	>>	HAS PROPERTIES	CODE	EV (111475, DCM, "Estrogen receptor")	1	U		DCID 250 “Positive-Negative”
19	>>	HAS PROPERTIES	CODE	EV (111476, DCM, "Progesterone receptor")	1	U		DCID 250 “Positive-Negative”
20	>>	HAS PROPERTIES	NUM	EV (111477, DCM, "S Phase")	1	U		UNITS = EV (%, UCUM, "percent")
21	>>	HAS PROPERTIES	CODE	EV (48676-1, LN, "HER2")	1	U		DCID 250 “Positive-Negative”

TID 4208 Breast Imaging Report Supplementary Data

This Template forms a supplementary data sub-tree of the content tree of a Breast Imaging Report. Each subsection provides a specific type of supporting evidence to the narrative text sub-tree, for example, as coded and numeric data.

See Figure Q.1-4 “Breast Imaging Report Supplementary Data Content Tree” in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 4208. Breast Imaging Report Supplementary Data

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111414, DCM, "Supplementary Data")	1	M		
2	>	CONTAINS	INCLUDE	DTID 4201 “Breast Imaging Procedure Reported”	1-n	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	CODE	EV (111403, DCM, "Baseline screening mammogram")	1	U		DCID 230 “Yes-No”
4	>	CONTAINS	CODE	EV (111404, DCM, "First mammogram ever")	1	U		DCID 230 “Yes-No”
5	>	CONTAINS	INCLUDE	DTID 4205 “Breast Composition Section”	1	U		
6	>	CONTAINS	INCLUDE	DTID 4206 “Breast Imaging Report Finding Section”	1-n	U		
7	>	CONTAINS	INCLUDE	DTID 4204 “Breast Imaging Report Intervention Section”	1-n	U		
8	>	CONTAINS	CONTAINER	EV (111413, DCM, "Overall Assessment")	1	U		
9	>>	CONTAINS	INCLUDE	DTID 4203 “Breast Imaging Assessment”	1	M		

TID 4209 Breast Patient Characteristics

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 4209. Breast Patient Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121118, DCM, "Patient Characteristics")	1	M		
5	>	CONTAINS	CODE	EV (11323-3, LN, "Health status")	1	U		BCID 3772 “Health Status”
5	>	CONTAINS	CODE	EV (C35461, NCIt, "Clinical course of disease")	1	U		BCID 6098 “Clinical Course of Disease”

OB-GYN Report Templates

TID 5000 OB-GYN Ultrasound Procedure Report

This is the Template for the root of the content tree for the OB-GYN ultrasound procedure report.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 5000. OB-GYN Ultrasound Procedure Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125000, DCM, "OB-GYN Ultrasound Procedure Report")	1	M		Root node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		
4	>	CONTAINS	INCLUDE	DTID 5001 “OB-GYN Patient Characteristics”	1	U		
5	>	CONTAINS	CONTAINER	DT (111028, DCM, "Image Library")	1	U		
6	>>	CONTAINS	IMAGE		1-n	M		
7	>	CONTAINS	INCLUDE	DTID 5002 “OB-GYN Procedure Summary Section”	1	U		
8	>	CONTAINS	INCLUDE	DTID 5004 “Fetal Biometry Ratio Section”	1-n	U		
9	>	CONTAINS	INCLUDE	DTID 5005 “Fetal Biometry Section”	1-n	U		
10	>	CONTAINS	INCLUDE	DTID 5006 “Fetal Long Bones Section”	1-n	U		
11	>	CONTAINS	INCLUDE	DTID 5007 “Fetal Cranium Section”	1-n	U		
12	>	CONTAINS	INCLUDE	DTID 5009 “Fetal Biophysical Profile Section”	1-n	U		
13	>	CONTAINS	INCLUDE	DTID 5011 “Early Gestation Section”	1-n	U		
14	>	CONTAINS	INCLUDE	DTID 5010 “Amniotic Sac Section”	1	U		
15	>	CONTAINS	INCLUDE	DTID 5015 “Pelvis and Uterus Section”	1	U		
16	>	CONTAINS	INCLUDE	DTID 5012 “Ovaries Section”	1	U		
17	>	CONTAINS	INCLUDE	DTID 5013 “Follicles Section”	1	U		$Laterality = EV (7771000, SCT, "Left") $Number = EV (11879-4, LN, "Number of follicles in left ovary")
18	>	CONTAINS	INCLUDE	DTID 5013 “Follicles Section”	1	U		$Laterality = EV (24028007, SCT, "Right") $Number = EV (11880-2, LN, "Number of follicles in right ovary")
19	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
20	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		EV (51852003, SCT, "Embryonic Vascular Structure")
21	>>	CONTAINS	INCLUDE	DTID 5025 “OB-GYN Fetal Vascular Ultrasound Measurement Group”	1	M		$AnatomyGroup = DCID 12141 “Fetal Vasculature Anatomical Location”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
22	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
23	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		EV (281496003, SCT, "Pelvic Vascular Structure")
24	>>	CONTAINS	INCLUDE	DTID 5026 “OB-GYN Pelvic Vascular Ultrasound Measurement Group”	1	M		$AnatomyGroup = DCID 12140 “Pelvic Vasculature Anatomical Location”

Content Item Descriptions

Row 6	No purpose of reference is specified.

TID 5001 OB-GYN Patient Characteristics

Patient Characteristic concepts in this Template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other Content Items in the SR tree.

Note

Several of the concepts in this Template duplicate concepts in TID 1007 “Subject Context, Patient”. The difference in use is that this Template has those concepts as primary observations of the patient, while in TID 1007 “Subject Context, Patient” the concepts are used to set (or reset) the context for other observations.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5001. OB-GYN Patient Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121118, DCM, "Patient Characteristics")	1	M		
2	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
3	>	CONTAINS	NUM	EV (8302-2, LN, "Patient Height")	1	U		
4	>	CONTAINS	NUM	EV (29463-7, LN, "Patient Weight")	1	U		
5	>	CONTAINS	NUM	EV (11996-6, LN, "Gravida")	1	U		
6	>	CONTAINS	NUM	EV (11977-6, LN, "Para")	1	U		
7	>	CONTAINS	NUM	EV (11612-9, LN, "Aborta")	1	U		
8	>	CONTAINS	NUM	EV (33065-4, LN, "Ectopic Pregnancies")	1	U		

TID 5002 OB-GYN Procedure Summary Section

Observations of the procedure of immediate clinical interest.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5002. OB-GYN Procedure Summary Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121111, DCM, "Summary")	1	M		
2	>	CONTAINS	DATE	DCID 12003 “OB-GYN Dates”	1-n	U		
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = BCID 12018 “OB-GYN Summary”
4	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1-n	U		
5	>>		INCLUDE	DTID 320 “Image or Spatial Coordinates”	1-n	U		
6	>	CONTAINS	INCLUDE	BTID 5003 “OB-GYN Fetus Summary”	1-n	UC	No more than 1 inclusion per fetus	

TID 5003 OB-GYN Fetus Summary

The Fetus Summary Template is a container for summary data of a fetus.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5003. OB-GYN Procedure Fetus Summary

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125008, DCM, "Fetus Summary")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1008 “Subject Context, Fetus”	1	MC	IF this Template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1-n	U		
4	>>		INCLUDE	DTID 320 “Image or Spatial Coordinates”	1	U		
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 12019 “OB-GYN Fetus Summary” $Equation = DCID 12012 “OB Equations and Tables”

TID 5004 Fetal Biometry Ratio Section

The Fetal Biometry Section Ratio Template is a container for common biometric ratios.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5004. Fetal Biometry Ratio Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125001, DCM, "Fetal Biometry Ratios")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1008 “Subject Context, Fetus”	1	MC	IF this Template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	NUM	DCID 12004 “Fetal Biometry Ratios”	1-n	M		
4	>>	R-INFERRED FROM	NUM		2	U		
5	>>	HAS PROPERTIES	INCLUDE	DTID 312 “Normal Range Properties”	1	U		

Content Item Descriptions

Row 3	Numeric ratio related to fetal growth
Row 4	Reference to the numerator and denominator of the ratio.

TID 5005 Fetal Biometry Section

The Fetal Biometry Section Template is a container for common biometric groups.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5005. Fetal Biometry Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125002, DCM, "Fetal Biometry")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1008 “Subject Context, Fetus”	1	MC	IF this Template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	INCLUDE	DTID 5008 “Fetal Biometry Group”	1-n	M		$BiometryType = MemberOf {DCID 12005 “Fetal Biometry Measurements” $TargetSite = DCID 12020 “Fetal Biometry Anatomic Sites”

Content Item Descriptions

Row 3	The group of measurements. Only one group per biometry type.

TID 5006 Fetal Long Bones Section

The Long Bones Template is a container for biometric data of long bones.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5006. Fetal Long Bones Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125003, DCM, "Fetal Long Bones")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1008 “Subject Context, Fetus”	1	MC	IF this Template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	INCLUDE	DTID 5008 “Fetal Biometry Group”	1-n	M		$BiometryType = MemberOf {DCID 12006 “Fetal Long Bones Biometry Measurements” $TargetSite = DCID 12021 “Fetal Long Bone Anatomic Sites”

Content Item Descriptions

Row 3	The group of measurements. Only one group per biometry type.

TID 5007 Fetal Cranium Section

The Fetal Cranium Template is a container for groups of biometric data of the fetal cranium.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5007. Fetal Cranium Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125004, DCM, "Fetal Cranium")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1008 “Subject Context, Fetus”	1	MC	IF this Template is invoked more than once to describe more than one fetus	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	INCLUDE	DTID 5008 “Fetal Biometry Group”	1-n	M		$BiometryType = MemberOf {DCID 12007 “Fetal Cranium” $TargetSite = DCID 12022 “Fetal Cranium Anatomic Sites”

Content Item Descriptions

Row 3	The group of measurements. Only one group per biometry type.

TID 5008 Fetal Biometry Group

The Biometry Group Template is container for a biometric value and its associated growth metrics.

Table TID 5008. Parameters

Parameter Name	Parameter Usage
$BiometryType	The concept name of the biometry measurement
$TargetSite	Value for Anatomic Location of the biometry measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5008. Fetal Biometry Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125005, DCM, "Biometry Group")	1	M		
2	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	MC	At least one of row 2 and 3 shall be present	$Measurement = $BiometryType $TargetSite = $TargetSite $Derivation = DCID 3627 “Measurement Type”
3	>	CONTAINS	NUM	EV (18185-9, LN, "Gestational Age")	1	MC	At least one of row 2 and 3 shall be present	UNITS = EV (d, UCUM, "days")
4	>>	INFERRED FROM	CODE	DCID 228 “Equation or Table”	1	U		DCID 12013 “Gestational Age Equations and Tables”
5	>>	R-INFERRED FROM	NUM		1-n	U		
6	>>	HAS PROPERTIES	NUM	DCID 226 “Population Statistical Descriptors”	1-n	U		
7	>	CONTAINS	NUM	DCID 12017 “Growth Distribution Rank”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
8	>>	INFERRED FROM	CODE	DCID 228 “Equation or Table”	1	U		DCID 12015 “Fetal Growth Equations and Tables”

Content Item Descriptions

Row 1	Container to segregate biometry data by measurement type
Row 2	The discrete measurements of the biometry type including derived measurements such as mean. One of the measurements may be flagged as selected for derived measurements. The anatomic location may be precoordinated in the measurement type, but may also be explicitly conveyed in the $TargetSite parameter, which then also allows laterality to be encoded within TID 300 “Measurement”.
Row 3	The estimated gestational age derived from an equation or table based on the explicitly referenced R-INFERRED FROM Content Item, selected measurement or mean, in that order of preference.
Row 4	The reference that defines the equation or table of GA derivation
Row 6	The uncertainty/confidence limits of the gestational age
Row 7	Expresses the rank of the selected or mean measurement of row 2 relative to the distribution specified in row 8.
Row 8	This row specifies the CODE reference used to compute the percentile or Z-score.

TID 5009 Fetal Biophysical Profile Section

This Template encodes scoring observations for fetal well-being evaluation as described by Manning, Antepartum Fetal Evaluation: Development of a Fetal Biophysical Profile Score, Am. J Obsetet Gynecol, 1980;136:787.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5009. Fetal Biophysical Profile Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125006, DCM, "Biophysical Profile")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1008 “Subject Context, Fetus”	1	MC	IF this Template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	NUM	EV (11631-9, LN, "Gross Body Movement")	1	MC	At least one of row 3-7 shall be present	UNITS = DT ({0:2}, UCUM, "range 0:2")
4	>	CONTAINS	NUM	EV (11632-7, LN, "Fetal Breathing")	1	MC	At least one of row 3-7 shall be present	UNITS = DT ({0:2}, UCUM, "range 0:2")
5	>	CONTAINS	NUM	EV (11635-0, LN, "Fetal Tone")	1	MC	At least one of row 3-7 shall be present	UNITS = DT ({0:2}, UCUM, "range 0:2")
6	>	CONTAINS	NUM	EV (11635-5, LN, "Fetal Heart Reactivity")	1	MC	At least one of row 3-7 shall be present	UNITS = DT ({0:2}, UCUM, "range 0:2")
7	>	CONTAINS	NUM	EV (11630-1, LN, "Amniotic Fluid Volume")	1	MC	At least one of row 3-7 shall be present	UNITS = DT ({0:2}, UCUM, "range 0:2")
8	>	CONTAINS	NUM	DT (11634-3, LN, "Biophysical Profile Sum Score")	1	U		

Content Item Descriptions

Row 3-7	The numeric profile score of range 0-2
Row 8	The sum of rows 3-7. The range is from 0 to the maximum possible score according the items scored in rows 3-7.

TID 5010 Amniotic Sac Section

This Template specifies a container for amniotic sac quadrant diameters and a derived index.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5010. Amniotic Sac Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DT (70847004, SCT, "Amniotic Sac")
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = DT (11627-7, LN, "Amniotic Fluid Index")
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	4	U		$Measurement = DCID 12008 “OB-GYN Amniotic Sac”

Content Item Descriptions

Row 3	The sum of the 4 quadrant diameters
Row 4	The four amniotic sac quadrant diameters

TID 5011 Early Gestation Section

The Early Gestation Section Template is a container for common, first trimester biometric groups.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5011. Early Gestation Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125009, DCM, "Early Gestation")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1008 “Subject Context, Fetus”	1	MC	IF this Template is invoked more than once to describe more than one fetus	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	INCLUDE	DTID 5008 “Fetal Biometry Group”	1-n	M		$BiometryType = Member of {DCID 12009 “Early Gestation Biometry Measurements”}

TID 5012 Ovaries Section

This Template contains metrics of ovary size.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5012. Ovaries Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DT (15497006, SCT, "Ovary")
3	>	CONTAINS	INCLUDE	DTID 5016 “LWH Volume Group”	1	U		$GroupName = EV (15497006, SCT, "Ovary") $Width = EV (11829-9, LN, "Left Ovary Width") $Length = EV (11840-6, LN, "Left Ovary Length") $Height = EV (11857-0, LN, "Left Ovary Height") $Volume = EV (12164-0, LN, "Left Ovary Volume")
4	>	CONTAINS	INCLUDE	DTID 5016 “LWH Volume Group”	1	U		$GroupName = EV (15497006, SCT, "Ovary") $Width = EV (11830-7, LN, "Right Ovary Width") $Length = EV (11841-4, LN, "Right Ovary Length") $Height = EV (11858-8, LN, "Right Ovary Height") $Volume = EV (12165-7, LN, "Right Ovary Volume")

TID 5013 Follicles Section

This Template contains follicle metrics for left or right ovarian follicles.

Table TID 5013. Parameters

Parameter Name	Parameter Usage
$Laterality	Ovary laterality
$Number	The number of follicles

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5013. Follicles Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DT (24162005, SCT, "Ovarian Follicle")
3	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	M		$Laterality
4	>	CONTAINS	NUM	$Number	1	U		
5	>	CONTAINS	INCLUDE	DTID 5014 “Follicle Measurement Group”	1-n	U		

TID 5014 Follicle Measurement Group

This Template contains metrics for one ovarian follicle.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5014. Follicle Measurement Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125007, DCM, "Measurement Group")	1	M		
2	>	HAS OBS CONTEXT	TEXT	EV (125010, DCM, "Identifier")	1	U		Unique among all groups of same laterality
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	U		$Measurement = EV (118565006, SCT, "Volume")
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = EV (11793-7, LN, "Follicle Diameter") $Derivation = DCID 3627 “Measurement Type”

TID 5015 Pelvis and Uterus Section

This Template contains general measurements in the pelvis and uterus.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5015. Pelvis and Uterus Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125011, DCM, "Pelvis and Uterus")	1	M		
2	>	CONTAINS	INCLUDE	DTID 5016 “LWH Volume Group”	1	U		$GroupName = EV (35039007, SCT, "Uterus") $Width = EV (11865-3, LN, "Uterus Width") $Length = EV (11842-2, LN, "Uterus Length") $Height = EV (11859-6, LN, "Uterus Height") $Volume = EV (33192-6, LN, "Uterus Volume")
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 12011 “Ultrasound Pelvis and Uterus” $TargetSite = DCID 12023 “Pelvis and Uterus Anatomic Sites” $Derivation = DCID 3627 “Measurement Type”

TID 5016 LWH Volume Group

This Template is a container for a group of measurements that assess the size of an anatomical structure using a volume derived from perpendicular diameters.

Table TID 5016. Parameters

Parameter Name	Parameter Usage
$GroupName	The name of the volume group that is an anatomical structure
$Volume	Concept name of volume measurement
$Length	Concept name of length measurement
$Width	Concept name of width measurement
$Height	Concept name of height measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5016. LWH Volume Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$GroupName	1	M		
2	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1	MC	At least one of row 2, 3, 4, 5 shall be present	$Measurement = $Volume $TargetSite = $GroupName

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	MC	At least one of row 2, 3, 4, 5 shall be present	$Measurement = $Length $TargetSite = $GroupName $Derivation = DCID 3627 “Measurement Type”
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	MC	At least one of row 2, 3, 4, 5 shall be present	$Measurement = $Width $TargetSite = $GroupName $Derivation = DCID 3627 “Measurement Type”
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	MC	At least one of row 2, 3, 4, 5 shall be present	$Measurement = $Height $TargetSite = $GroupName $Derivation = DCID 3627 “Measurement Type”

TID 5025 OB-GYN Fetal Vascular Ultrasound Measurement Group

This Template is an anatomy specific container of OB-GYN fetal vascular measurements.

Table TID 5025. Parameters

Parameter Name	Parameter Usage
$AnatomyGroup	The concept name of the vascular anatomy

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5025. OB-GYN Fetal Vascular Ultrasound Measurement Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$AnatomyGroup	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1008 “Subject Context, Fetus”	1	MC	IF this Template is invoked more than once to describe more than one fetus	
3	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	MC	IFF anatomy has laterality	DCID 244 “Laterality”
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	M		$MeasType = DCID 12119 “Vascular Ultrasound Property” $Derivation = DCID 3627 “Measurement Type”

Content Item Descriptions

Anatomy Group	Specifies the anatomical context of the observations in the group.

TID 5026 OB-GYN Pelvic Vascular Ultrasound Measurement Group

This Template is an anatomy specific container of OB-GYN pelvic vascular measurements.

Table TID 5026. Parameters

Parameter Name	Parameter Usage
$AnatomyGroup	The concept name of the vascular anatomy

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5026. OB-GYN Pelvic Vascular Ultrasound Measurement Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$AnatomyGroup	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	MC	IFF anatomy has laterality	DCID 244 “Laterality”
3	>	HAS CONCEPT MOD	TEXT	EV (112050, DCM, "Anatomic Identifier")	1	U		
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	M		$MeasType = DCID 12119 “Vascular Ultrasound Property” $Derivation = DCID 3627 “Measurement Type”
5	>>	HAS CONCEPT MOD	CODE	EV (125105, DCM, "Measurement Orientation")	1	U		DCID 12118 “Measurement Orientation”
6	>>	HAS PROPERTIES	NUM	EV (125106, DCM, "Doppler Angle")	1	U		UNIT = EV (deg, UCUM, "deg")
7	>>	HAS PROPERTIES	NUM	EV (125107, DCM, "Sample Volume Depth")	1	U		UNIT = EV (cm, UCUM, "cm")

Content Item Descriptions

Row 1	Specifies the anatomical context of the observations in the group.
Row 3	Differentiates between multiple structures such as the two umbilical arteries.

Vascular Ultrasound Report Templates

TID 5100 Vascular Ultrasound Report

This is the Template for the root the content tree for the vascular ultrasound procedure report.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5100. Vascular Ultrasound Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125100, DCM, "Vascular Ultrasound Procedure Report")	1	M		
2	>	HAS OBS CONTEXT	CODE	EV (307152002, SCT, "Temporal periods Relating to Procedure")	1	U		DCID 12102 “Temporal Periods Relating to Procedure or Therapy”
3	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	U		
4	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		
5	>	CONTAINS	INCLUDE	DTID 5101 “Vascular Patient Characteristics”	1	U		
6	>	CONTAINS	CONTAINER	EV (111028, DCM, "Image Library")	1	U		
7	>>	CONTAINS	IMAGE		1-n	M		
8	>	CONTAINS	INCLUDE	DTID 5102 “Vascular Procedure Summary Section”	1	U		
9	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (281231009, SCT, "Blood Vessel of Head") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12105 “Intracranial Cerebral Vessels”
10	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (281231009, SCT, "Blood Vessel of Head") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12105 “Intracranial Cerebral Vessels”
11	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (281231009, SCT, "Blood Vessel of Head") $SectionLaterality = EV (66459002, SCT, "Unilateral") $Anatomy = DCID 12106 “Intracranial Cerebral Vessels (Unilateral)”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
12	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (119568004, SCT, "Artery of neck") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12104 “Extracranial Arteries” $AnatomyRatio = DCID 12123 “Carotid Ratios”
13	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (119568004, SCT, "Artery of neck") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12104 “Extracranial Arteries” $AnatomyRatio = DCID 12123 “Carotid Ratios”
14	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (70791007, SCT, "Artery of Lower Extremity") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12109 “Lower Extremity Arteries”
15	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (70791007, SCT, "Artery of Lower Extremity") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12109 “Lower Extremity Arteries”
16	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (122774002, SCT, "Vein of Lower Extremity") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12110 “Lower Extremity Veins”
17	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (122774002, SCT, "Vein of Lower Extremity") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12110 “Lower Extremity Veins”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
18	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (75531005, SCT, "Artery Of Upper Extremity") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12107 “Upper Extremity Arteries”
19	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (75531005, SCT, "Artery Of Upper Extremity") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12107 “Upper Extremity Arteries”
20	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (122775001, SCT, "Vein Of Upper Extremity") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12108 “Upper Extremity Veins”
21	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (122775001, SCT, "Vein Of Upper Extremity") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12108 “Upper Extremity Veins”
22	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (303402001, SCT, "Vascular Structure Of Kidney") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12115 “Renal Vessels” $AnatomyRatio = DCID 12124 “Renal Ratios”
23	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (303402001, SCT, "Vascular Structure Of Kidney") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12115 “Renal Vessels” $AnatomyRatio = DCID 12124 “Renal Ratios”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
24	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (118634008, SCT, "Artery of Abdomen") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12111 “Abdominal Arteries (Lateral)”
25	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (118634008, SCT, "Artery of Abdomen") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12111 “Abdominal Arteries (Lateral)”
26	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (118634008, SCT, "Artery of Abdomen") $SectionLaterality = EV (66459002, SCT, "Unilateral") $Anatomy = DCID 12112 “Abdominal Arteries (Unilateral)”
27	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (84421000, SCT, "Vein of Abdomen") $SectionLaterality = EV (7771000, SCT, "Left") $Anatomy = DCID 12113 “Abdominal Veins (Lateral)”
28	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (84421000, SCT, "Vein of Abdomen") $SectionLaterality = EV (24028007, SCT, "Right") $Anatomy = DCID 12113 “Abdominal Veins (Lateral)”
29	>	CONTAINS	INCLUDE	DTID 5103 “Vascular Ultrasound Section”	1	U		$SectionScope = DT (84421000, SCT, "Vein of Abdomen") $SectionLaterality = EV (66459002, SCT, "Unilateral") $Anatomy = DCID 12114 “Abdominal Veins (Unilateral)”
30	>	CONTAINS	INCLUDE	DTID 5105 “Ultrasound Graft Section”	1	U		

Content Item Descriptions

Row 7	No purpose of reference is specified.

TID 5101 Vascular Patient Characteristics

Patient Characteristic concepts in this Template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other Content Items in the SR tree.

Note

Several of the concepts in this Template duplicate concepts in TID 1007 “Subject Context, Patient”. The difference in use is that this Template has those concepts as primary observations of the patient, while in TID 1007 “Subject Context, Patient” the concepts are used to set (or reset) the context for other observations.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5101. Vascular Patient Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121118, DCM, "Patient Characteristics")	1	M		
2	>	CONTAINS	NUM	EV (121033, DCM, "Subject Age")	1	U		UNITS = DCID 7456 “Units of Measure for Age”
3	>	CONTAINS	CODE	EV (121032, DCM, "Subject Sex")	1	U		DCID 7455 “Sex”
4	>	CONTAINS	NUM	EV (8867-4, LN, "Heart Rate")	1	U		
5	>	CONTAINS	NUM	EV (271649006, SCT, "Systolic Blood Pressure")	1	U		
6	>	CONTAINS	NUM	EV (271650006, SCT, "Diastolic Blood Pressure")	1	U		

TID 5102 Vascular Procedure Summary Section

Comments and observations of the procedure of immediate clinical interest.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5102. Vascular Procedure Summary Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121111, DCM, "Summary")	1	M		
2	>	CONTAINS	TEXT	DCID 12101 “Vascular Summary”	1-n	M		

TID 5103 Vascular Ultrasound Section

Sections of a vascular ultrasound report are section containers of an anatomic region consisting of measurement group containers that contain the measurements.

Table TID 5103. Parameters

Parameter Name	Parameter Usage
$SectionScope	The concept name of the section heading modifier
$SectionLaterality	The laterality (if any) of the anatomy in this section heading
$Anatomy	The concept name of the vascular anatomy
$AnatomyRatio	The concept name of anatomy-coordinated ratio concepts

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5103. Vascular Ultrasound Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		$SectionScope
3	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	M		$SectionLaterality
4	>	CONTAINS	INCLUDE	DTID 5104 “Vascular Ultrasound Measurement Group”	1-n	M		$AnatomyGroup = $Anatomy
5	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = $AnatomyRatio

TID 5104 Vascular Ultrasound Measurement Group

This Template is an anatomy specific container of measurements.

Table TID 5104. Parameters

Parameter Name	Parameter Usage
$AnatomyGroup	The concept name of the vascular anatomy

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5104. Vascular Ultrasound Measurement Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$AnatomyGroup	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (106233006, SCT, "Topographical Modifier")	1	U		DCID 12116 “Vessel Segment Modifiers”
3	>	HAS CONCEPT MOD	CODE	EV (125101, DCM, "Vessel Branch")	1-n	U		DCID 12117 “Vessel Branch Modifiers”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	M		$Measurement = DCID 12119 “Vascular Ultrasound Property” $Derivation = DCID 3627 “Measurement Type”
5	>>	HAS CONCEPT MOD	CODE	EV (272518008, SCT, "Cardiac Cycle Point")	1	U		DCID 12233 “Cardiac Phase”
6	>>	HAS CONCEPT MOD	CODE	EV (309602000, SCT, "Temporal period related to eating")	1	U		DT (24863003, SCT, "Post-prandial")
7	>>	HAS CONCEPT MOD	CODE	EV (125105, DCM, "Measurement Orientation")	1	U		DCID 12118 “Measurement Orientation”
8	>>	HAS PROPERTIES	NUM	EV (125106, DCM, "Doppler Angle")	1	U		UNIT = EV (deg, UCUM, "degrees")
9	>>	HAS PROPERTIES	NUM	EV (125107, DCM, "Sample Volume Depth")	1	U		UNIT = EV (cm, UCUM, "cm")

Content Item Descriptions

Row 1	Specifies the anatomic context of the observations in the group.
Row 2	Details the anatomical location, e.g., proximal, middle, or distal
Row 3	The particular vessel branch, such as the inferior, medial or lateral
Row 5	Cardiac phase (systolic, diastolic), especially for aorta measurements
Row 6	Eating phase, especially for mesenteric and celiac measurements

TID 5105 Ultrasound Graft Section

This Template is a container of measurements on a vascular graft.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5105. Ultrasound Graft Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DT (312288001, SCT, "Vascular Graft")
3	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 244 “Laterality”
4	>	HAS CONCEPT MOD	CODE	DT (128949003, SCT, "Proximal anastomosis")	1	M		BCID 12103 “Vascular Ultrasound Anatomic Location”
5	>	HAS CONCEPT MOD	CODE	DT (128948006, SCT, "Distal Anastomosis")	1	M		BCID 12103 “Vascular Ultrasound Anatomic Location”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	HAS CONCEPT MOD	CODE	DT (125102, DCM, "Graft Type")	1	U		
7	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	M		$Measurement = DCID 12119 “Vascular Ultrasound Property”

Content Item Descriptions

Proximal anastomosis	The proximal location of the graft
Distal anastomosis	The distal location of the graft
Graft type	The type of graft, e.g., "in situ", "prosthetic", "autogenous"

Echocardiography Procedure Report Templates

TID 5200 Echocardiography Procedure Report

This Template forms the top of a content tree that allows an ultrasound device to describe the results of an adult echocardiography imaging procedure. It is instantiated at the root node. It can also be included in other Templates that need to incorporate echocardiography findings into another report as quoted evidence.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 5200. Echocardiography Procedure Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125200, DCM, "Adult Echocardiography Procedure Report")	1	M		Root node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	U		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		
4	>	CONTAINS	CONTAINER	DT (55111-9, LN, "Current Procedure Descriptions")	1	U		
5	>>	CONTAINS	CODE	DT (125203, DCM, "Acquisition Protocol")	1-n	M		BCID 12001 “Ultrasound Protocol Types”
6	>	CONTAINS	INCLUDE	DTID 5201 “Echocardiography Patient Characteristics”	1	U		
7	>	CONTAINS	CONTAINER	EV (111028, DCM, "Image Library")	1	U		
8	>>	CONTAINS	IMAGE		1-n	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (87878005, SCT, "Left Ventricle") $MeasType = DCID 12200 “Echocardiography Left Ventricle”
10	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (53085002, SCT, "Right Ventricle") $MeasType = DCID 12204 “Echocardiography Right Ventricle”
11	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (82471001, SCT, "Left Atrium") $MeasType = DCID 12205 “Echocardiography Left Atrium”
12	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (73829009, SCT, "Right Atrium") $MeasType = DCID 12206 “Echocardiography Right Atrium”
13	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (34202007, SCT, "Aortic Valve") $MeasType = DCID 12211 “Echocardiography Aortic Valve”
14	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (91134007, SCT, "Mitral Valve") $MeasType = DCID 12207 “Echocardiography Mitral Valve”
15	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (39057004, SCT, "Pulmonic Valve") $MeasType = DCID 12209 “Echocardiography Pulmonic Valve”
16	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (46030003, SCT, "Tricuspid Valve") $MeasType = DCID 12208 “Echocardiography Tricuspid Valve”
17	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (15825003, SCT, "Aorta") $MeasType = DCID 12212 “Echocardiography Aorta”
18	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (81040000, SCT, "Pulmonary artery") $MeasType = DCID 12210 “Echocardiography Pulmonary Artery”
19	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (35532006, SCT, "Vena Cava") $MeasType = DCID 12215 “Echocardiography Vena Cavae”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
20	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (122972007, SCT, "Pulmonary Venous Structure") $MeasType = DCID 12214 “Echocardiography Pulmonary Veins”
21	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (25489000, SCT, "Pericardial cavity") $MeasType = DCID 12250 “Cardiac Ultrasound Common Linear Measurements”
22	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (241213007, SCT, "Cardiac Shunt Study") $MeasType = DCID 12217 “Echocardiography Cardiac Shunt”
23	>	CONTAINS	INCLUDE	DTID 5202 “Echo Section”	1	U		$SectionSubject = EV (9904008, SCT, "Congenital Anomaly of Cardiovascular System") $MeasType = DCID 12218 “Echocardiography Congenital”
24	>	CONTAINS	INCLUDE	DTID 5204 “Wall Motion Analysis”	1-n	U		$Procedure = DT (35757004, SCT, "Echocardiography for Determining Ventricular Contraction")

Content Item Descriptions

Row 8	No purpose of reference is specified.
Row 24	The wall motion findings of stress stage. There may be multiple Template instances to report wall motion findings of multiple stages.

TID 5201 Echocardiography Patient Characteristics

Patient Characteristic concepts in this Template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other Content Items in the SR tree.

Note

Several of the concepts in this Template duplicate concepts in TID 1007 “Subject Context, Patient”. The difference in use is that this Template has those concepts as primary observations of the patient, while in TID 1007 “Subject Context, Patient” the concepts are used to set (or reset) the context for other observations.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5201. Echocardiography Patient Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121118, DCM, "Patient Characteristics")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	CONTAINS	NUM	EV (121033, DCM, "Subject Age")	1	U		UNITS = DCID 7456 “Units of Measure for Age”
3	>	CONTAINS	CODE	EV (121032, DCM, "Subject Sex")	1	U		DCID 7455 “Sex”
4	>	CONTAINS	NUM	EV (8867-4, LN, "Heart Rate")	1	U		
5	>	CONTAINS	NUM	EV (271649006, SCT, "Systolic Blood Pressure")	1	U		
6	>	CONTAINS	NUM	EV (271650006, SCT, "Diastolic Blood Pressure")	1	U		
7	>	CONTAINS	NUM	EV (8277-6, LN, "Body Surface Area")	1	M		
8	>>	INFERRED FROM	CODE	EV (8278-4, LN, "Body Surface Area Formula")	1	U		BCID 3663 “Body Surface Area Equations”

TID 5202 Echo Section

This is a generic section heading Template for any of the anatomical headings. Measurements within a section heading appear as groups (by image mode, acquisition protocol, and/or protocol stage).

Table TID 5202. Parameters

Parameter Name	Parameter Usage
$SectionSubject	The subject modifier of the section heading container
$MeasType	The concept name of the measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5202. Echo Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		$SectionSubject
3	>	CONTAINS	CONTAINER	DT (125007, DCM, "Measurement Group")	1-n	M		
4	>>	HAS CONCEPT MOD	CODE	EV (399264008, SCT, "Image Mode")	1	U		BCID 12224 “Ultrasound Image Modes”
5	>>	HAS CONCEPT MOD	CODE	DT (125203, DCM, "Acquisition Protocol")	1	U		
6	>>	HAS CONCEPT MOD	TEXT	DT (125203, DCM, "Acquisition Protocol")	1	U		
7	>>	HAS ACQ CONTEXT	CODE	EV (18139-6, LN, "Stage")	1	U		BCID 12002 “Ultrasound Protocol Stage Types”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
8	>>	CONTAINS	INCLUDE	DTID 5203 “Echo Measurement”	1-n	M		$Measurement = $MeasType $Method = CID 12227 “Echocardiography Measurement Method”

Content Item Descriptions

Rows 4, 5	Type of measurement group. May be grouped by image mode, or acquisition protocol, or some other user or manufacturer designated classification
Row 7	For measurements acquired in a staged protocol, all measurements in a measurement group are acquired at the identified stage.

TID 5203 Echo Measurement

Table TID 5203. Parameters

Parameter Name	Parameter Usage
$Measurement	Coded term or Context Group for Concept Name of measurement
$Method	Value for Measurement Method

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5203. Echo Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = $Measurement $Method = $Method $TargetSite = BCID 12236 “Echo Anatomic Sites” $TargetSiteMod = BCID 12237 “Echocardiography Anatomic Site Modifiers”
2	>	HAS CONCEPT MOD	CODE	EV (260674002, SCT, "Flow Direction")	1	U		BCID 12221 “Flow Direction”
3	>	HAS CONCEPT MOD	CODE	EV (272517003, SCT, "Respiratory Cycle Point")	1	U		DCID 12234 “Respiration State”
4	>	HAS CONCEPT MOD	CODE	EV (272518008, SCT, "Cardiac Cycle Point")	1	U		DCID 12233 “Cardiac Phase”
5	>	HAS ACQ CONTEXT	CODE	EV (399264008, SCT, "Image Mode")	1	U		DCID 12224 “Ultrasound Image Modes”
6	>	HAS ACQ CONTEXT	CODE	EV (111031, DCM, "Image View")	1	U		BCID 12226 “Echocardiography Image View”
7	>	HAS ACQ CONTEXT	CODE	EV (18139-6, LN, "Stage")	1	U		BCID 12002 “Ultrasound Protocol Stage Types”

Content Item Descriptions

Row 1	TID 300 specifies an "Equivalent Meaning of Concept Name" that allows the creating application to specify the preferred composed concept name representing the measurement and the associated post-coordination Concept Modifiers (e.g., the ASE terminology described in Section N.3 “Illustrative Mapping to ASE Concepts” in PS3.17).

TID 5204 Wall Motion Analysis

The Wall Motion Analysis Template is used to document wall motion scoring for any imaging modality.

Table TID 5204. Parameters

Parameter Name	Parameter Usage
$Procedure	The imaging procedure used for wall motion analysis.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5204. Wall Motion Analysis

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		$Procedure
3	>	HAS ACQ CONTEXT	CODE	EV (18139-6, LN, "Stage")	1	U		BCID 3207 “Stress Test Procedure Phases”
4	>	CONTAINS	IMAGE	EV (125201, DCM, "Illustration of Finding")	1	U		
5	>	CONTAINS	TEXT	EV (18118-0, LN, "LV Wall Motion Segmental Findings")	1	U		
6	>	CONTAINS	NUM	DT (125202, DCM, "LV Wall Motion Score Index")	1	U		
7	>>	HAS CONCEPT MOD	CODE	EV (273249006, SCT, "Assessment Scale")	1	M		BCID 12238 “Wall Motion Scoring Schemes”
8	>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	U		
9	>>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DT (272657006, SCT, "Myocardial Wall")
10	>>	CONTAINS	CODE	EV (18179-2, LN, "Wall Segment")	1-n	M		BCID 3717 “Myocardial Wall Segments”
11	>>>	HAS PROPERTIES	CODE	EV (60797005, SCT, "Cardiac Wall Motion")	1	MC	IF row 12 is absent	DCID 3703 “Wall Motion”
12	>>>	HAS PROPERTIES	CODE	EV (116676008, SCT, "Associated Morphology")	1	MC	IF row 11 is absent	DCID 3704 “Myocardium Wall Morphology Findings”
13	>>>	HAS PROPERTIES	NUM	DT (246262008, SCT, "Score")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
14	>>>	HAS PROPERTIES	NUM	EV (122624, DCM, "Wall Thickness Ratio end-systolic to end-diastolic")	1	U		UNITS = DT (%, UCUM, "%")

Content Item Descriptions

Row 3	The stage of the protocol at which these findings were scored. This row may be absent if this is a generic, non-staged scoring.
Row 4	Image that graphically depicts the segments and their scores.
Row 5	Text narration accompanying this stage.
Row 6	The composite score computed from the average of the scored segments
Row 7	The type of scoring scheme used to score this exam.
Row 8	A container of all of the individual segment findings for this stage. The container shall be present if the observer makes an assessment, including the assessment of Not Visualized. It shall not be present if no evaluation was made.
Rows 11, 12	Scar/thinning (in Row 12) may accompany akinesis and dyskinesis (in Row 11).
Row 13	A numeric designation for the score. Score ranges vary, typically 0-4 or 0-5. Numeric scores may depend on wall motion findings as well as morphology findings. See Table 5204-1 for conventional numeric assignment schemes. The UCUM annotation code enables specifying the numeric range, ({L:N}, UCUM, "scale L:N"), where L and N are the lower and upper ends of the range.

A description of the scoring schemes described in Table 5204-1 is available in *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, Vol 2, No 5 358-367, Oct 1989.

Table 5204-1. Numeric Score Assignment for Segmental Findings

Conventional Numeric Assignment	Wall Motion Finding or Morphology Finding		
	4 Point	5 Point	5 Point with Graded Hypokinesis
-1	(60797005, SCT, "Cardiac Wall Motion") = (373123005, SCT, "Hyperkinesis")	(60797005, SCT, "Cardiac Wall Motion") = (373123005, SCT, "Hyperkinesis")	(60797005, SCT, "Cardiac Wall Motion") = (373123005, SCT, "Hyperkinesis")
0	(60797005, SCT, "Cardiac Wall Motion") = (122288, DCM, "Not Visualized")	(60797005, SCT, "Cardiac Wall Motion") = (122288, DCM, "Not Visualized")	(60797005, SCT, "Cardiac Wall Motion") = (122288, DCM, "Not Visualized")
1	(60797005, SCT, "Cardiac Wall Motion") = (373122000, SCT, "Normal Wall Motion")	(60797005, SCT, "Cardiac Wall Motion") = (373122000, SCT, "Normal Wall Motion")	(60797005, SCT, "Cardiac Wall Motion") = (373122000, SCT, "Normal Wall Motion")
1.5			(60797005, SCT, "Cardiac Wall Motion") = (371868005, SCT, "Mild Hypokinesis")
2	(60797005, SCT, "Cardiac Wall Motion") = (37706002, SCT, "Hypokinesis")	(60797005, SCT, "Cardiac Wall Motion") = (37706002, SCT, "Hypokinesis")	(60797005, SCT, "Cardiac Wall Motion") = (371869002, SCT, "Moderate Hypokinesis")
2.5			(60797005, SCT, "Cardiac Wall Motion") = (371870001, SCT, "Severe Hypokinesis")
3	(60797005, SCT, "Cardiac Wall Motion") = (195675009, SCT, "Akinesis")	(60797005, SCT, "Cardiac Wall Motion") = (195675009, SCT, "Akinesis")	(60797005, SCT, "Cardiac Wall Motion") = (195675009, SCT, "Akinesis")
4	(60797005, SCT, "Cardiac Wall Motion") = (25437005, SCT, "Dyskinesis")	(60797005, SCT, "Cardiac Wall Motion") = (25437005, SCT, "Dyskinesis")	(60797005, SCT, "Cardiac Wall Motion") = (25437005, SCT, "Dyskinesis")

Conventional Numeric Assignment	Wall Motion Finding or Morphology Finding		
	4 Point	5 Point	5 Point with Graded Hypokinesis
5		(116676008, SCT, "Associated Morphology") = (90539001, SCT, "Ventricular Aneurysm")	(116676008, SCT, "Associated Morphology") = (90539001, SCT, "Ventricular Aneurysm")

TID 5220 Pediatric, Fetal and Congenital Cardiac Ultrasound Reports

This Template forms the top of a content tree that allows an ultrasound application to describe the results of a Cardiac Ultrasound imaging procedure. It is instantiated at the root node.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 5220. Pediatric, Fetal and Congenital Cardiac Ultrasound Reports

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DCID 12245 “Cardiac Ultrasound Report Titles”	1	M		Root node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		
4	>	CONTAINS	CONTAINER	EV (18785-6, LN, "Indications for Procedure")	1	U		
5	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 12246 “Cardiac Ultrasound Indication for Study”
6	>>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1	U		
7	>	CONTAINS	INCLUDE	DTID 3802 “Cardiovascular Patient History”	1	U		
8	>	CONTAINS	INCLUDE	DTID 3602 “Cardiovascular Patient Characteristics”	1	U		
9	>	CONTAINS	INCLUDE	DTID 5225 “Cardiac Ultrasound Fetal Characteristics”	1-n	U		No more than one inclusion per fetus
10	>	CONTAINS	INCLUDE	DTID 5226 “Cardiac Ultrasound Summary Section”	1	U		
11	>	CONTAINS	INCLUDE	DTID 5227 “Cardiac Ultrasound Fetal Summary Section”	1-n	U		No more than one inclusion per fetus
12	>	CONTAINS	CONTAINER	EV (111028, DCM, "Image Library")	1	U		
13	>>	CONTAINS	IMAGE		1-n	M		
14	>	CONTAINS	INCLUDE	DTID 5221 “Cardiac Ultrasound Pediatric Echo Measurement Section”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>	CONTAINS	INCLUDE	DTID 5228 “Cardiac Ultrasound Fetal Measurement Section”	1-n	UC	For Fetal Report only.	No more than one inclusion per fetus

Content Item Descriptions

Row 3	For Fetal Report, this row establishes the subject context of the mother.
Row 7	For Fetal Report, this row will be the patient history of the mother.
Row 8	For Fetal Report, this row will be the Patient Characteristics for the mother.
Row 10	For Fetal Report, this row will be the Summary Section for the mother.
Row 13	No purpose of reference is specified.

TID 5221 Cardiac Ultrasound Pediatric Echo Measurement Section

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5221. Cardiac Ultrasound Pediatric Echo Measurement Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12282 “Cardiac Ultrasound Venous Return Systemic Finding Sites” $MeasType = DCID 12264 “Cardiac Ultrasound Venous Return Systemic Measurements”
2			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12283 “Cardiac Ultrasound Venous Return Pulmonary Finding Sites” $MeasType = DCID 12263 “Cardiac Ultrasound Venous Return Pulmonary Measurements”
3			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12284 “Cardiac Ultrasound Atria and Atrial Septum Finding Sites” $MeasType = DCID 12265 “Cardiac Ultrasound Atria and Atrial Septum Measurements”
4			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12285 “Cardiac Ultrasound Atrioventricular Valves Finding Sites” $MeasType = DCID 12268 “Cardiac Ultrasound Atrioventricular Valves Measurements”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12286 “Cardiac Ultrasound Interventricular Septum Finding Sites” $MeasType = DCID 12269 “Cardiac Ultrasound Interventricular Septum Measurements”
6			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12287 “Cardiac Ultrasound Ventricles Finding Sites” $MeasType = DCID 12259 “Cardiac Ultrasound Ventricles Measurements”
8			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12288 “Cardiac Ultrasound Outflow Tracts Finding Sites” $MeasType = DCID 12271 “Cardiac Ultrasound Outflow Tracts Measurements”
9			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12289 “Cardiac Ultrasound Semilunar Valves, Annulus and Sinuses Finding Sites” $MeasType = DCID 12272 “Cardiac Ultrasound Semilunar Valves, Annulate and Sinuses Measurements”
10			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12290 “Cardiac Ultrasound Pulmonary Arteries Finding Sites” $MeasType = DCID 12260 “Cardiac Ultrasound Pulmonary Artery”
11			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12291 “Cardiac Ultrasound Aorta Finding Sites” $MeasType = DCID 12274 “Cardiac Ultrasound Aorta Measurements”
12			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12292 “Cardiac Ultrasound Coronary Arteries Finding Sites” $MeasType = DCID 12275 “Cardiac Ultrasound Coronary Arteries Measurements”
13			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12293 “Cardiac Ultrasound Aortopulmonary Connections Finding Sites” $MeasType = DCID 12276 “Cardiac Ultrasound Aorto Pulmonary Connections Measurements”
14			INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = DCID 12294 “Cardiac Ultrasound Pericardium and Pleura Finding Sites” $MeasType = DCID 12277 “Cardiac Ultrasound Pericardium and Pleura Measurements”

TID 5222 Pediatric, Fetal and Congenital Cardiac Ultrasound Section

This is a generic section heading Template for any of the anatomical headings. Measurements within a section heading appear as groups (by image mode or acquisition protocol).

Table TID 5222. Parameters

Parameter Name	Parameter Usage
$SectionSubject	The subject modifier of the section heading container
$MeasType	The concept name of the measurement

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5222. Pediatric, Fetal and Congenital Cardiac Ultrasound Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121070, DCM, "Findings")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		$SectionSubject
3	>>	HAS CONCEPT MOD	CODE	EV (275035006, SCT, "Heart valve replacement - prosthesis")	1	U		DCID 230 “Yes-No”
4	>	CONTAINS	CONTAINER	DT (125007, DCM, "Measurement Group")	1-n	M		
5	>>	HAS CONCEPT MOD	CODE	EV (399264008, SCT, "Image Mode")	1	U		BCID 12224 “Ultrasound Image Modes”
6	>>	HAS CONCEPT MOD	TEXT	DT (125203, DCM, "Acquisition Protocol")	1	U		
7	>>	CONTAINS	INCLUDE	DTID 5223 “Pediatric, Fetal and Congenital Cardiac Ultrasound Measurement”	1-n	M		$Measurement = $MeasType $Method = CID 12227 “Echocardiography Measurement Method”

TID 5223 Pediatric, Fetal and Congenital Cardiac Ultrasound Measurement

This Template provides for the post-coordination of a measurement with a variety of concept modifiers and acquisition context observations. When invoked from TID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”, the measurement concept is implicitly post-coordinated with the concept modifiers of the Measurement Group (TID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section” Rows 5 and 6), and with the Finding Site of the report section (TID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section” Row 2). The finding site may be further specified within this Template by the Target Site and Target Site Modifiers (CID 12280 “Cardiac Ultrasound Target Sites” and CID 12281 “Cardiac Ultrasound Target Site Modifiers”).

The implicit finding site inherited from TID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section” can be made explicit by using the same finding site concept in the Target Site (the measurement concept modifier), rather than a term from CID 12280 “Cardiac Ultrasound Target Sites”. This explicit post-coordination allows the use of one of the modifiers of CID 12281 “Cardiac Ultrasound Target Site Modifiers” to that finding site, as the Target Site Modifier requires an explicit Target Site in the measurement structure (TID 300 “Measurement” Rows 5 and 7). In fact, any child concept of the finding site in the SNOMED hierarchy may be used as the measurement Target Site.

The finding or target site may be identified by a concept from the SNOMED "clinical finding" or "morphological anomaly" hierarchies (e.g., D4-31220 "Atrial Septal Defect", or M-36700 "Effusion"), rather than the "anatomical structure" hierarchy. In this case, the meaning is inferred as "the anatomic location of the clinical finding or morphological anomaly, within the constraints of other implicit or explicit post-coordinated finding site concepts."

Note

Thus when TID 5221 “Cardiac Ultrasound Pediatric Echo Measurement Section” Row 14 invokes TID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section” with the section finding site concept (76848001, SCT, "Pericardium"), and TID 5223 “Pediatric, Fetal and Congenital Cardiac Ultrasound Measurement” Row 1 applies the target site (41699000, SCT, "Effusion"), the effective finding site is "pericardial effusion".

Table TID 5223. Parameters

Parameter Name	Parameter Usage
$Measurement	Coded term or Context Group for Concept Name of measurement
$Method	Value for Measurement Method

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5223. Pediatric, Fetal and Congenital Cardiac Ultrasound Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			INCLUDE	DTID 300 “Measurement”	1	M		$Measurement = $Measurement $Method = $Method $TargetSite = BCID 12280 “Cardiac Ultrasound Target Sites” $TargetSiteMod = BCID 12281 “Cardiac Ultrasound Target Site Modifiers” $Derivation = DCID 3838 “Diameter Derivation”
2	>	HAS CONCEPT MOD	CODE	EV (121425, DCM, "Index")	1	U		DCID 3455 “Index Methods”
3	>	HAS CONCEPT MOD	CODE	EV (260674002, SCT, "Flow Direction")	1	U		BCID 12221 “Flow Direction”
4	>	HAS CONCEPT MOD	CODE	EV (272517003, SCT, "Respiratory Cycle Point")	1	U		DCID 12234 “Respiration State”
5	>	HAS CONCEPT MOD	CODE	EV (272518008, SCT, "Cardiac Cycle Point")	1	U		DCID 12233 “Cardiac Phase”
6	>	HAS ACQ CONTEXT	CODE	EV (399264008, SCT, "Image Mode")	1	U		DCID 12224 “Ultrasound Image Modes”
7	>	HAS ACQ CONTEXT	CODE	EV (111031, DCM, "Image View")	1	U		BCID 12226 “Echocardiography Image View”

Content Item Descriptions

Row 1	For an index type of measurement, the concept name of this row 1 will still be the original measurement concept name; it is row 2 that gives the indication that row 1 is actually an index type of measurement. When this happens, the measurement value of row 1 should be a value after being indexed and the measurement unit of row 1 should be an index type of unit. For example, to insert a "Stroke Volume Index" measurement to this SR object, the concept name of row 1 will be "Stroke Volume", its numerical value will be the calculation result of "Stroke Volume /BSA" and its units are "ml/cm2".
Row 2	When this row is available, the row 1 is an index calculation of the object.

TID 5225 Cardiac Ultrasound Fetal Characteristics

Contains a list of Fetus Specific characteristics.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5225. Cardiac Ultrasound Fetal Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125015, DCM, "Fetus Characteristics")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1008 “Subject Context, Fetus”	1	MC	IF this Template is invoked more than once to describe more than one fetus.	
3	>	CONTAINS	NUM	EV (18185-9, LN, "Gestational Age")	1	U		UNITS = DCID 7456 “Units of Measure for Age”
4	>	CONTAINS	DATE	EV (11778-8, LN, "EDD")	1	U		
5	>	CONTAINS	NUM	EV (8867-4, LN, "Heart Rate")	1	U		

TID 5226 Cardiac Ultrasound Summary Section

Comments and observations of the procedure of immediate clinical interest.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5226. Cardiac Ultrasound Summary Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121111, DCM, "Summary")	1	M		
2	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	MC	IF row 3 does not exist	BCID 12248 “Cardiac Ultrasound Summary Codes”
3	>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1-n	MC	IF row 2 does not exist	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>	CONTAINS	CODE	EV (387713003, SCT, "Surgical Procedure")	1-n	U		BCID 12247 “Pediatric, Fetal and Congenital Cardiac Surgical Interventions”

TID 5227 Cardiac Ultrasound Fetal Summary Section

Comments and observations of the procedure of immediate clinical interest.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5227. Cardiac Ultrasound Fetal Summary Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125008, DCM, "Fetus Summary")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1008 “Subject Context, Fetus”	1	MC	IF this Template is invoked more than once to describe more than one fetus	
3	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	MC	IF row 4 does not exist	BCID 12249 “Cardiac Ultrasound Fetal Summary Codes”
4	>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1-n	MC	IF row 3 does not exist	
5	>	CONTAINS	CODE	EV (387713003, SCT, "Surgical Procedure")	1-n	U		BCID 12247 “Pediatric, Fetal and Congenital Cardiac Surgical Interventions”

TID 5228 Cardiac Ultrasound Fetal Measurement Section

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5228. Cardiac Ultrasound Fetal Measurement Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125016, DCM, "Fetal Measurements")	1	M		
2	>	HAS OBS CONTEXT	INCLUDE	DTID 1008 “Subject Context, Fetus”	1	MC	IF this Template is invoked more than once to describe more than one fetus.	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	INCLUDE	DTID 300 “Measurement”	1-n	U		$Measurement = DCID 12279 “Cardiac Ultrasound Fetal General Measurements”
4	>	CONTAINS	INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = EV (4432005, SCT, "Ductus arteriosus") $MeasType = DCID 12218 “Echocardiography Congenital”
5	>	CONTAINS	INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = EV (367624001, SCT, "Ductus venosus") $MeasType = DCID 12218 “Echocardiography Congenital”
6	>	CONTAINS	INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = EV (50536004, SCT, "Umbilical artery") $MeasType = DCID 12218 “Echocardiography Congenital”
7	>	CONTAINS	INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = EV (367567000, SCT, "Umbilical vein") $MeasType = DCID 12218 “Echocardiography Congenital”
8	>	CONTAINS	INCLUDE	DTID 5222 “Pediatric, Fetal and Congenital Cardiac Ultrasound Section”	1-n	U		$SectionSubject = EV (17232002, SCT, "Middle cerebral artery") $MeasType = DCID 12218 “Echocardiography Congenital”

Simplified Adult Echocardiography Templates

The templates that comprise the Simplified Adult Echocardiography Report are interconnected as in Figure A-10b.

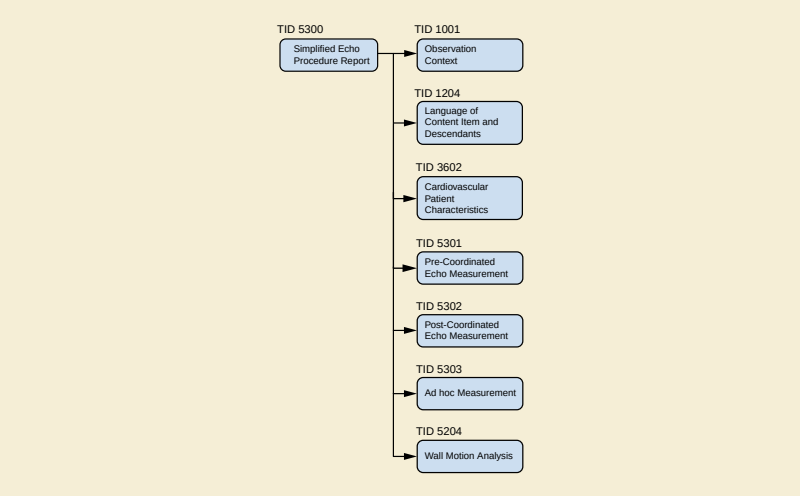

Figure A-10b. Simplified Adult Echocardiography Template Structure

TID 5300 Simplified Echo Procedure Report

This template forms the top of a content tree that allows an ultrasound device to describe the results of an adult echocardiography imaging procedure.

The template is instantiated at the root node. It can also be included in other templates that need to incorporate echocardiography findings into another report as quoted evidence.

This template does not include an Image Library. Image Content Items in the Echo Measurement templates (for example to indicate Source of Measurement) shall be included with by-value relationships, not with by-reference relationships.

Measurements in this template (except for the Wall Motion Analysis) are collected into one of three containers, each with a specific sub-template and constraints appropriate to the purpose of the container.

- Pre-coordinated Measurements
  - Are fully standardized measurements (many taken from the ASE practice guidelines).
  - Each has a single pre-coordinated standard code that fully captures the semantics of the measurement.
  - The only modifiers permitted are to indicate coordinates where the measurement was taken, provide a brief display label, and indicate which of a set of repeated measurements is the preferred value. Other modifiers are not permitted.
- Post-coordinated Measurements
  - Are non-standardized measurements that are performed with enough regularity to merit the control and configuration to capture the full semantics of the measurement. For example these measurements may include those configured on the cart by the vendor or user site. Some of these may be variants of the Pre-coordinated Measurements.
  - A set of mandatory and conditional modifiers with controlled vocabularies capture the essential semantics in a uniform way.
  - A single pre-coordinated code is also provided so that when the same type of measurement is encountered in the future, it is not necessary to parse and evaluate the full constellation of modifer values. Since this measurement has not been fully standardized, the pre-coordinated code may use a private coding scheme (e.g., from the vendor or user site).
- Adhoc Measurements
  - Are non-standardized measurements that do not merit the effort to track or configure all the details necessary to populate the set of modifiers required for a post-coordinated measurement.
  - The measurement code describes the elementary property measured.
  - Modifiers provide a brief display label and indicate coordinates where the measurement was taken. Other modifiers are not permitted.

For an example of this encoding and a discussion of the benefits and use cases, see Annex CCCC Populating The Simplified Echo Procedure Report Template (Informative) in PS3.17.

Type: **Non-Extensible**
Order: **Significant**
Root: **Yes**

Table TID 5300. Simplified Echo Procedure Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125200, DCM, "Adult Echocardiography Procedure Report")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		
4	>	CONTAINS	CONTAINER	DT (55111-9, LN, "Current Procedure Descriptions")	1	U		
5	>>	CONTAINS	CODE	DT (125203, DCM, "Acquisition Protocol")	1-n	M		BCID 12001 “Ultrasound Protocol Types”
6	>	CONTAINS	CONTAINER	EV (18785-6, LN, "Indications for Procedure")	1	U		
7	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 12246 “Cardiac Ultrasound Indication for Study”
8	>>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1	U		
9	>	CONTAINS	INCLUDE	DTID 3602 “Cardiovascular Patient Characteristics”	1	U		
10	>	CONTAINS	CONTAINER	EV (125301, DCM, "Pre-coordinated Measurements")	1	M		
11	>>	CONTAINS	INCLUDE	DTID 5301 “Pre-coordinated Echo Measurement”	1-n	M		$Measurement = DCID 12300 “Core Echo Measurements” $Preferred = DCID 12301 “Measurement Selection Reasons”
12	>	CONTAINS	CONTAINER	EV (125302, DCM, "Post-coordinated Measurements")	1	M		
13	>>	CONTAINS	INCLUDE	DTID 5302 “Post-coordinated Echo Measurement”	1-n	U		$Preferred = DCID 12301 “Measurement Selection Reasons”
14	>	CONTAINS	CONTAINER	EV (125303, DCM, "Adhoc Measurements")	1	M		
15	>>	CONTAINS	INCLUDE	DTID 5303 “Adhoc Measurement”	1-n	U		$Property =DCID 12304 “Echo Measured Properties”
16	>	CONTAINS	INCLUDE	DTID 5204 “Wall Motion Analysis”	1-n	U		$Procedure = DT (35757004, SCT, "Echocardiography for Determining Ventricular Contraction")
17	>	CONTAINS	CONTAINER	EV (125310, DCM, "Staged Measurements")	1	U		
18	>>	HAS ACQ CONTEXT	CODE	EV (18139-6, LN, "Stage")	1	M		BCID 3207 “Stress Test Procedure Phases”
19	>>	CONTAINS	CONTAINER	EV (125301, DCM, "Pre-coordinated Measurements")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
20	>>>	CONTAINS	INCLUDE	DTID 5301 “Pre-coordinated Echo Measurement”	1-n	U		$Measurement = DCID 12300 “Core Echo Measurements” $Preferred = DCID 12301 “Measurement Selection Reasons”
21	>>	CONTAINS	CONTAINER	EV (125302, DCM, "Post-coordinated Measurements")	1	M		
22	>>>	CONTAINS	INCLUDE	DTID 5302 “Post-coordinated Echo Measurement”	1-n	U		$Preferred = DCID 12301 “Measurement Selection Reasons”
23	>>	CONTAINS	CONTAINER	EV (125303, DCM, "Adhoc Measurements")	1	M		
24	>>>	CONTAINS	INCLUDE	DTID 5303 “Adhoc Measurement”	1-n	U		$Property =DCID 12304 “Echo Measured Properties”

Content Item Descriptions

Row 8	A text string containing one or more sentences describing one or more indications, possibly with additional comments from the physician or tech.
Row 11	These are measurements from a standardized list of pre-coordinated codes. See CID 12300 “Core Echo Measurements”. Measurements which do not correspond to the full semantics of one of the pre-coordinated codes in CID 12300 can likely be encoded in Row 13 instead. Multiple instances of the same measurement code may be present in the container. Each instance represents a different sample or derivation. This template makes no requirement that any or all samples be sent. For example, a mean value of all the samples of a given measurement could be sent without sending all or any of the samples from which the mean was calculated. Device configuration and/or operator interactions determine what measurements are sent.
Row 13	These are measurements that can be encoded using a standardized structure of post-coordinated codes. Measurements which correspond to the full semantics of one of the pre-coordinated codes in CID 12300 “Core Echo Measurements” should be encoded in Row 11 instead. $Measurement shall be provided, but is not constrained to a CID. Multiple instances of the same measurement code may be present in the container. Each instance represents a different sample or derivation. This template makes no requirement that any or all samples be sent. For example, a mean value of all the samples of a given measurement could be sent without sending all or any of the samples from which the mean was calculated. Device configuration and/or operator interactions determine what measurements are sent.
Row 15	These are adhoc measurements encoded with minimal semantics. Row 13 can be used to encode measurements with more complete semantics. $Units shall be provided, but is not constrained to a CID. Device configuration and/or operator interactions determine what measurements are sent.
Rows 17-24	When present, these rows contain measurements and associate them with a specific stage of a staged procedure.

TID 5301 Pre-coordinated Echo Measurement

This template codes numeric echo measurements where most of the details about the nature of the measurement have been pre-coordinated in the measurement code. In contrast, see TID 5302 “Post-coordinated Echo Measurement”.

The pre-coordinated measurement code is provided when this Template is included from a parent Template.

Table TID 5301. Parameters

Parameter Name	Parameter Usage
$Measurement	Coded term or Context Group for Concept Name of measurement
$Preferred	Flag the preferred value by indicating the reason it was selected as preferred.

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 5301. Pre-coordinated Echo Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	$Measurement	1	M		
2	>	HAS PROPERTIES	CODE	EV (121404, DCM, "Selection Status")	1	MC	IFF this measurement has been selected as the single preferred value for the measured concept.	$Preferred = MemberOf {DCID 12301 “Measurement Selection Reasons”}
3	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	MC	IFF this measurement is not a sample.	EV (373098007, SCT, "Mean")
4	>		INCLUDE	DTID 320 “Image or Spatial Coordinates”	1-n	U		$Purpose = EV (121112, DCM, "Source of measurement")
5	>		INCLUDE	DTID 321 “Waveform or Temporal Coordinates”	1-n	U		$Purpose = EV (121112, DCM, "Source of measurement")
6	>	HAS PROPERTIES	TEXT	EV (125309, DCM, "Short Label")	1	U		

Content Item Descriptions

Row 2	The reason that this value was selected as the preferred value for the measured concept. The parent template may allow TID 5301 “Pre-coordinated Echo Measurement” to be included multiple times with the same Measurement Concept Name, for example to allow multiple samples of the measurement. A given Measurement Concept Name might appear only once in the instance, in which case this this row may or may not be present. A given Measurement Concept Name may appear multiple times, however this row shall not be present for more than one value of the given Measurement Concept Name. E.g. multiple measurements of (11706-9, LN, "Aortic Valve Peak Systolic Flow") may be present, but only one may be selected as preferred.

Row 3	The method used to derive this measurement value from multiple samples of the Measurement Concept Name. If Row 3 is not present, then this measurement value is simply a single sample of the Measurement Concept Name. Note A measurement value that is a mean value of other measurements and was also selected as the preferred value because it is the mean will have both Row 2 and Row 3 present.
Row 6	This may be used to label the measurement value when space is limited on the screen or report page. E.g. a Short Label of "LVIDD" might be provided for a measurement of the left ventricle internal diameter at end diastole. Note Short Labels are not standardized and may omit details of the measurement, thus it is not recommended to use them for purposes such as matching.

TID 5302 Post-coordinated Echo Measurement

This template codes numeric echo measurements where most of the details about the nature of the measurement have been post-coordinated in modifiers and acquisition context. In contrast, see TID 5301 “Pre-coordinated Echo Measurement” .

This template is intended to be used for User-defined and Vendor-defined Echo Measurements.

Several modifier rows are conditional and are omitted when the modifier concept is not significant for the measurement encoded in the item. When these modifiers are included by the sender, it indicates that the modifier concept is significant and receivers will generally treat the measurements differently than similar measurements sent that omit that modifier.

Note

The codes in the CIDs referenced below were sufficient to accurately encode all the best practice echo measurements recommended by the ASE. If, however, a new code is needed to record a specific User-defined or Vendor-defined measurement, most of the CIDs are extensible. It is not unreasonable to expect that measurements might be made at other Finding Sites than those listed in CID 12305 “Basic Echo Anatomic Sites” , or using Measurement Methods beyond those listed in CID 12227 “Echocardiography Measurement Method” .

The concept modifiers in the template below were sufficient to accurately encode all the best practice echo measurements recommended by the ASE. Although TID 5302 “Post-coordinated Echo Measurement” is extensible and adding new modifiers is not prohibited, the meaning and significance of such new modifiers will generally not be understood by receiving systems, delaying or preventing import of such measurements. Further, adding modifiers that replicate the meaning of an existing modifier is prohibited.

If such measurements cannot be encoded with the following structure, an implementation may choose to code the measurement in TID 5303 “Adhoc Measurement” , or to use TID 5200 “Echocardiography Procedure Report” instead of TID 5300 “Simplified Echo Procedure Report” .

Table TID 5302. Parameters

Parameter Name	Parameter Usage
$Measurement	Coded term or Context Group for Concept Name of measurement
$Preferred	Flag the preferred value by indicating the reason it was selected as preferred.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 5302. Post-coordinated Echo Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	$Measurement	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS PROPERTIES	CODE	EV (121050, DCM, "Equivalent Meaning of Concept Name")	1-n	U		
3	>	HAS PROPERTIES	CODE	EV (121404, DCM, "Selection Status")	1	MC	IFF this measurement has been selected as the single preferred value for the measured concept.	$Preferred =MemberOf {DCID 12301 “Measurement Selection Reasons”}
4	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	MC	IFF this measurement is not a sample.	EV (373098007, SCT, "Mean"))
5	>		INCLUDE	DTID 320 “Image or Spatial Coordinates”	1-n	U		$Purpose =EV (121112, DCM, "Source of measurement")
6	>		INCLUDE	DTID 321 “Waveform or Temporal Coordinates”	1-n	U		$Purpose = EV (121112, DCM, "Source of measurement")
7	>	HAS CONCEPT MOD	CODE	EV (125306, DCM, "Measurement Type")	1	M		DCID 12303 “Echo Measurement Types”
8	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 12305 “Basic Echo Anatomic Sites”
9	>	HAS CONCEPT MOD	CODE	EV (125305, DCM, "Finding Observation Type")	1	M		DCID 12302 “Echo Finding Observation Types”
10	>	HAS CONCEPT MOD	CODE	EV (125307, DCM, "Measured Property")	1	M		DCID 12304 “Echo Measured Properties”
11	>	HAS CONCEPT MOD	CODE	EV (260674002, SCT, "Flow Direction")	1	MC	IFF Row 9 is (44324008, SCT, "Hemodynamic Measurements") and the Flow Direction is significant for this measurement.	DCID 12306 “Echo Flow Directions”
12	>	HAS CONCEPT MOD	CODE	EV (370129005, SCT, "Measurement Method")	1	MC	IFF the Measurement Method is significant for this measurement.	DCID 12227 “Echocardiography Measurement Method”
13	>	HAS ACQ CONTEXT	CODE	EV (399264008, SCT, "Image Mode")	1	MC	IFF the Image Mode is significant for this measurement.	DCID 12224 “Ultrasound Image Modes”
14	>	HAS ACQ CONTEXT	CODE	EV (111031, DCM, "Image View")	1	MC	IFF the Image View is significant for this measurement.	DCID 12226 “Echocardiography Image View”
15	>	HAS CONCEPT MOD	CODE	EV (272518008, SCT, "Cardiac Cycle Point")	1	MC	IFF the Cardiac Cycle Point is significant for this measurement.	DCID 12307 “Cardiac Phases and Time Points”
16	>	HAS CONCEPT MOD	CODE	EV (272517003, SCT, "Respiratory Cycle Point")	1	MC	IFF the Respiratory Cycle Point is significant for this measurement.	DCID 12234 “Respiration State”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
17	>	HAS CONCEPT MOD	CODE	EV (125308, DCM, "Measurement Divisor")	1	MC	IFF the value of Row 7 is (125313, DCM, "Indexed") or (118586006, SCT, "Ratio") or (125314, DCM, "Fractional Change")	
18	>	HAS PROPERTIES	TEXT	EV (125309, DCM, "Short Label")	1	U		

Content Item Descriptions

Row 1	A fully pre-coordinated code that incorporates all the semantics of Rows 7-17 for this measurement. The code is intended to allow parsers to recognize post-coordinated measurements that have been previously encountered, thus facilitating incorporation of the measurement into databases, report templates, registries, etc. Typically these codes will be from a vendor or site specific coding scheme, e.g., 99ACME. Sending the same code consistently in different reports will depend on the recording system maintaining a stable list of these pre-coordinated codes. Such a list might be configured or internally generated and managed. This shall be populated by the recording system. If the recording system does not have a method to ensure that all occurrences of the same post-coordinated measurement use the same code, it shall use the code (125304, DCM, "Untrackable Measurement"). Note 1. Two measurements with the same pre-coordinated code have, by definition, the same semantics (except for "Untrackable Measurements") 2. Two measurements with the same constellation of modifier values have the same semantics but may have different pre-coordinated codes because they • come from carts of different vendors who don't share the same code table • come from carts of the same vendor, but the carts don't share the same code table • come from the same cart, but it's code table has been modified • come from the same cart, but it does not maintain a code table 3. Two measurements with the same constellation of modifier values and different pre-coordinated codes have the same semantics and the receiver is entitled to treat them as the same (with respect to the scope of those modifiers) 4. Recommended units for various Measured Properties (Row 10) can be found in the Units column of CID 12304 “Echo Measured Properties” . 5. When the Measurement Type (Row 7) is (125313, DCM, "Indexed") , (118586006, SCT, "Ratio") or (125314, DCM, "Fractional Change") , the Units for Row 1 corresponds to the fully calculated $Measurement, incorporating both the numerator (Row 10) and the denominator (Row 17). E.g. a measure of Left Ventricular Outflow Tract Diameter / BSA would have units of (cm/m2, UCUM, "cm/m2") in Row 1, (125313, DCM, "Indexed") in Row 7, (81827009, SCT, "Diameter") in Row 10, and (8277-6, LN, "Body Surface Area") in Row 17.
Row 2	One or more additional fully pre-coordinated codes which are semantically equivalent to the code in Row 1. This may be used to communicate known mappings, such as to national registry codes or other vendors' codes.

Row 3	The reason that this value was selected as the preferred value for the measured concept. The parent template may allow TID 5301 “Pre-coordinated Echo Measurement” to be included multiple times with the same Measurement Concept Name, for example to allow multiple samples of the measurement. A given Measurement Concept Name might appear only once in the instance, in which case this this row may or may not be present. A given Measurement Concept Name may appear multiple times, however this row shall not be present for more than one value of a given measured concept. E.g. multiple measurements of (11706-9, LN, "Aortic Valve Peak Systolic Flow") may be present, but only one may be selected as preferred.
Row 4	The method used to derive this measurement value from multiple samples of the Measurement Concept Name. If Row 3 is not present, then this measurement value is simply a single sample of the Measurement Concept Name. Note 1. A measurement value that is a mean value of other samples and was also selected as the preferred value because it is the mean will have both Row 2 and Row 3 present. 2. This row is not used to record whether the measurement value is a direct measurement vs a measurement calculated from an equation. Such information is recorded in Row 7.
Row 8	The finding site reflects the anatomical location where the measurement is taken. CID 12305 “Basic Echo Anatomic Sites” contains the codes which proved to be sufficient for mapping the full set of ASE standard measurements. It is recommended to use these locations unless a more detailed location is truly necessary.
Row 9	The finding observation type indicates the type of observation made at the finding site to produce the measurement. In many cases, for example Aortic Root Diameter, the structure of the finding site is being observed. In other cases, for example Mitral Valve Regurgitant Flow Peak Velocity, the finding site is the mitral valve, the hemodynamic flow (not the valve structure) is being observed, the measured property is the peak velocity, and the flow direction is retrograde.
Row 17	The pre-coordinated code for the measurement that has been used as the denominator of this measurement. Only applies to measurements of type Indexed, Ratio or Fractional Change. The measurement referenced as the Measurement Divisor shall be present in the instance in which it is used. When Row 17 is present, any values in Rows 5-6, 8-16 shall reflect the numerator of the measurement rather than the Index, Ratio or Fractional Change as a whole. The rest of the rows, including the pre-coordinated measurement value, the pre-coordinated measurement code, the units and the short label, reflect the Index, Ratio or Fractional Change as a whole. E.g. in the case of an Indexed measurement, the value recorded in Row 1 has already been divided by the Index referenced in Row 17, and the Units in Row 1 match the indexed value, not the numerator Property described in Row 10. For a measurement of type Indexed, the numerator is divided by the Measurement Divisor. For a measurement of type Ratio, the numerator is divided by the Measurement Divisor and is unitless. For a measurement of type Fractional Change, the numerator is first subtracted from the Measurement Divisor and the result divided by the Measurement Divisor (i.e., (Divisor - Numerator) / Divisor).
Row 18	This may be used to label the measurement value when space is limited on the screen or report page. E.g. a Short Label of "LVIDD" might be provided for a measurement of the left ventricle internal diameter at end diastole. Note Short Labels are not standardized and may omit details of the measurement, thus it is not recommended to use them for purposes such as matching.

TID 5303 Adhoc Measurement

This Template codes numeric echo measurements where most of the details about the nature of the measurement are not communicated. The measurement is identified in terms of the property measured, such as Length, Diameter, Area, Velocity etc. and some measurement context may established by reference to spatial coordinates on an image or a waveform. A displayable label is included but there is no managed code identifying the measurement.

The template is intended to be used to include adhoc, one-time measurements whose need is determined during imaging exam or reviewing session.

Measurements that are taken in an adhoc fashion but are selected from the set of pre-coordinated or post-coordinated measurements that are configured on the Ultrasound System should be coded using TID 5301 “Pre-coordinated Echo Measurement” or TID 5302 “Post-coordinated Echo Measurement”.

Table TID 5303. Parameters

Parameter Name	Parameter Usage
$Property	Property being measured

Type: **Non-Extensible**
Order: **Significant**
Root: **No**

Table TID 5303. Adhoc Measurement

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	$Property	1	M		
2	>		INCLUDE	DTID 320 “Image or Spatial Coordinates”	1-n	U		$Purpose = EV (121112, DCM, "Source of measurement")
3	>		INCLUDE	DTID 321 “Waveform or Temporal Coordinates”	1-n	U		$Purpose = EV (121112, DCM, "Source of measurement")
4	>	HAS PROPERTIES	TEXT	EV (125309, DCM, "Short Label")	1	M		

Content Item Descriptions

Row 4	This may be used to label the measurement value when space is limited on the screen or report page. E.g. a Short Label of "LVIDD" might be provided for a measurement of the left ventricle internal diameter at end diastole. Note Short Labels are not standardized and may omit details of the measurement, thus it is not recommended to use them for purposes such as matching.

Implantation Plan SR Document Templates

The Templates that comprise the Implantation Plan SR Document IOD are interconnected as in Figure A-11.

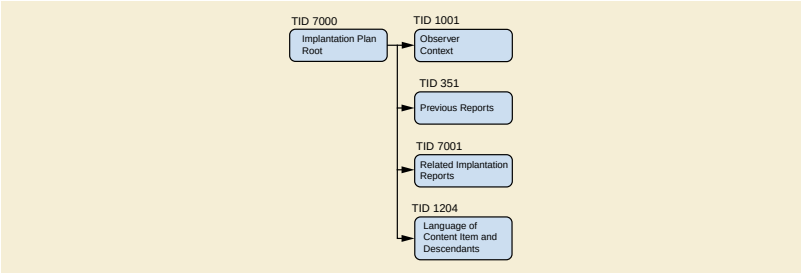

Figure A-11. Implantation Plan SR Document IOD Template Structure

TID 7000 Implantation Plan

This Template contains all the necessary information to position an Implant Assembly and its Components in a patient. Therefore, all the Components that comprise an Implant Assembly are listed. If the Implant Assembly consists of more than one Component, the relation between the Components will be described as well. It is also possible to describe the registration between the Components and the patient and between the Components themselves.

To reference the Components within this document the Implantation Plan Component ID is used.

The Component Connection links two Implantation Plan Components in a commutative way. This means that for each link between A and B only one Component Connection has to be defined and not two for A-B and B-A.

The terminology used is defined by illustration using the example in Figure A-12.

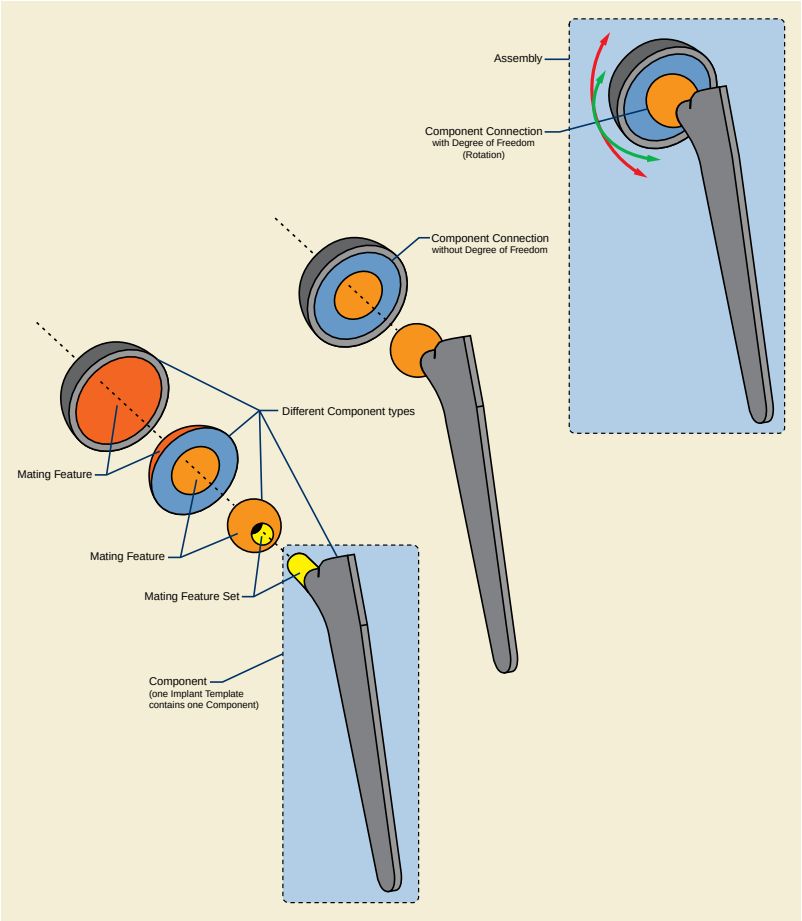

Figure A-12. Implant Assembly and Components Terminology

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 7000. Implantation Plan

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (112345, DCM, "Implantation Plan")	1	M		Root node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	U		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 “Observation Context”	1	M		
4	>	CONTAINS	INCLUDE	DTID 351 “Previous Reports”	1	MC	IFF previous Implantation Plan Documents exist	Shall only reference other Implantation Plan Documents

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	CONTAINS	INCLUDE	DTID 7001 “Related Implantation Reports”	1	MC	IFF related Implantation Plan Documents exist that are not referenced by row 4	Shall only reference other Implantation Plan Documents
6	>	CONTAINS	CONTAINER	EV (112360, DCM, "Implant Component List")	1	M		
7	>>	CONTAINS	COMPOSITE	EV (112366, DCM, "Implant Assembly Template")	1	U		References an Implant Assembly Template SOP Instance
8	>>	CONTAINS	CONTAINER	EV (112346, DCM, "Selected Implant Component")	1-n	M		
9	>>>	CONTAINS	TEXT	EV (112347, DCM, "Component ID")	1	M		
10	>>>	CONTAINS	CODE	EV (112370, DCM, "Component Type")	1	MC	IFF Row 8 contains more than one item.	DCID 7306 “Human Hip Implant Planning Landmarks”
11	>>>	CONTAINS	COMPOSITE		1	M		References an Implant Template Storage SOP Instance
12	>>>	CONTAINS	UIDREF	EV (112227, DCM, "Frame Of Reference UID")	1	M		
13	>>>	CONTAINS	COMPOSITE	EV (112371, DCM, "Manufacturer Implant Template")	1	M		References an Implant Template Storage SOP Instance
14	>	CONTAINS	CONTAINER	EV (112355, DCM, "Assembly")	1-n	U		
15	>>	CONTAINS	CONTAINER	EV (112350, DCM, "Component Connection")	1-n	M		
16	>>>	CONTAINS	CONTAINER	EV (112374, DCM, "Connected Implantation Plan Component")	2	M		
17	>>>>	CONTAINS	TEXT	EV (112347, DCM, "Component ID")	1	M		Defined in the Implant Component List CONTAINER
18	>>>>	CONTAINS	TEXT	EV (112351, DCM, "Mating Feature Set ID")	1	M		Only one Component Connection per Mating Feature Set is allowed
19	>>>>	CONTAINS	TEXT	EV (112352, DCM, "Mating Feature ID")	1	M		
20	>>>>	CONTAINS	CONTAINER	EV (112362, DCM, "Degrees of Freedom Specification")	1-n	U		
21	>>>>>	CONTAINS	TEXT	EV (112363, DCM, "Degree of Freedom ID")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
22	>>>>>	CONTAINS	NUM	EV (112376, DCM, "Degree of Freedom Exact Translational Value")	1	MC	IFF Row 23, 24, 25, 26 and 27 are absent	UNITS = EV (mm, UCUM, "mm")
23	>>>>>	CONTAINS	NUM	EV (112377, DCM, "Degree of Freedom Minimum Translational Value")	1	MC	IFF row 22, 25, 26, and 27 are absent	UNITS = EV (mm, UCUM, "mm")
24	>>>>>	CONTAINS	NUM	EV (112378, DCM, "Degree of Freedom Maximum Translational Value")	1	MC	IFF row 22, 25, 26, and 27 are absent	UNITS = EV (mm, UCUM, "mm")
25	>>>>>	CONTAINS	NUM	EV (112379, DCM, "Degree of Freedom Exact Rotational Value")	1	MC	IFF row 22, 23, 24, 26 and 27 are absent	UNITS = EV (deg, UCUM, "degree")
26	>>>>>	CONTAINS	NUM	EV (112380, DCM, "Degree of Freedom Minimum Rotational Value")	1	MC	IFF row 22, 23, 24 and 25 are absent	UNITS = EV (deg, UCUM, "degree")
27	>>>>>	CONTAINS	NUM	EV (112381, DCM, "Degree of Freedom Maximum Rotational Value")	1	MC	IFF row 22, 23, 24 and 25 are absent	UNITS = EV (deg, UCUM, "degree")
28	>	CONTAINS	CONTAINER	EV (112358, DCM, "Information used for planning")	1	U		
29	>>	CONTAINS	CODE	EV (112375, DCM, "Planning Method")	1	U		BCID 7320 “Planning Methods”
30	>>	CONTAINS	IMAGE	EV (112354, DCM, "Patient Image")	1-n	U		
31	>>>	HAS PROPERTIES	NUM	EV (111026, DCM, "Horizontal Pixel Spacing")	1	M		UNITS = EV (mm/{pixel}, UCUM, "mm/pixel")
32	>>>	HAS PROPERTIES	NUM	EV (111066, DCM, "Vertical Pixel Spacing")	1	M		UNITS = EV (mm/{pixel}, UCUM, "mm/pixel")
33	>>	CONTAINS	COMPOSITE	EV (112361, DCM, "Patient Data Used During Planning")	1-n	U		References SOP Instances except Images
34	>>>	HAS PROPERTIES	UIDREF	EV (112356, DCM, "User Selected Fiducial")	1-n	MC	IFF row 33 references a Fiducial SOP Instance	
35	>>>>	HAS CONCEPT MOD	TEXT	EV (112369, DCM, "Fiducial Intent")	1	U		
36	>	CONTAINS	CONTAINER	EV (112367, DCM, "Planning Information for Intraoperative Usage")	1	U		
37	>>	CONTAINS	TEXT	EV (121173, DCM, "Physician Note")	1-n	U		
38	>>	CONTAINS	COMPOSITE	EV (112359, DCM, "Supporting Information")	1	U		SOP Class UID shall be Encapsulated PDF Storage

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
39	>>	CONTAINS	COMPOSITE	EV (112372, DCM, "Derived Planning Images")	1-n	U		
40	>>	CONTAINS	COMPOSITE	EV (112353, DCM, "Spatial Registration")	1-n	U		References Spatial Registration SOP Instances and Deformable Spatial Registration SOP Instances
41	>>>	HAS PROPERTIES	UIDREF	EV (112227, DCM, "Frame of Reference UID")	1-n	U		
42	>>	CONTAINS	COMPOSITE	EV (112373, DCM, "Derived Planning Data")	1-n	U		References SOP Instances except Images and Spatial Registrations
43	>>>	HAS PROPERTIES	UIDREF	EV (112357, DCM, "Derived Fiducial")	1-n	MC	IFF row 42 references a Fiducial SOP Instance	
44	>>>>	HAS CONCEPT MOD	TEXT	EV (112369, DCM, "Fiducial Intent")	1	U		
45	>>	CONTAINS	COMPOSITE	EV (112364, DCM, "Related Patient Data Not Used During Planning")	1-n	U		

Content Item Descriptions

Row 7	If an Implant Assembly Template was used for the planning, it should be referenced here.
Row 9	ID given to this Implant Component. Used to reference this specific Component within the Implantation Plan.
Row 10	See description of Component Type Code Sequence (0076,0034) Attribute in Section C.29.2.1 “Implant Assembly Template Module” in PS3.3
Row 11	Reference to the Template that describes that component. May be the same Implant Template as referenced in row 13. The target of the reference may not be needed or available during implantation. e.g., if the plan is opened in another hospital where those implant templates are not used. No purpose of reference is specified.
Row 12	This Frame of Reference is the Frame of Reference of the Implant Component (Frame of Reference UID (0020,0052) Attribute in the “Generic Implant Template Description Module” in PS3.3). This may help to find the right registration information (row 43).
Row 13	References the Original Template that was the basis for the Derived Template. May be the same Implant Template as referenced in row 11. The target of the reference may not be needed or available during implantation, e.g., if the plan is opened in another hospital where those implant templates are not used.
Row 14	If there is no Component Connection between sets of Implant Components, one Assembly must be used for each set.
Row 17	The ID of a planned Component that is defined in this document and that is part of this Relation.
Row 18	See description of Mating Feature Set ID (0068,63C0) Attribute in the “Generic Implant Template Mating Features Module” in PS3.3
Row 19	See description of Mating Feature ID (0068,63F0) Attribute in the “Generic Implant Template Mating Features Module” in PS3.3

Row 21	See description of Degree of Freedom ID (0068,6410) Attribute in the “Generic Implant Template Mating Features Module” in PS3.3
Row 22 - 27	Defines the range or exact value that was selected or calculated by the planning application.
Row 31	Defines the calibrated Horizontal Pixel Spacing that was used by the planning application, which may be different from the spacing encoded in the referenced Image SOP Instance.
Row 32	Defines the calibrated Vertical Pixel Spacing that was used by the planning application, which may be different from the spacing encoded in the referenced Image SOP Instance.
Row 33	Any patient data other than Image IEs used for the planning, e.g., Surface Segmentations.
Row 34	Fiducials selected by the user for registration of implant components referenced in the parent Content Item.
Row 35	User comment about the Fiducial. This may be the reason it was selected, the intended use, the anatomical or non-anatomical structure that the Fiducial represents, or any other intent.
Row 38	All kinds of information in PDF form that are created by a planning application may be referenced here, e.g., drawings.
Row 39	All kinds of images that are created by a planning application should be referenced here, e.g., images that show patient images overlaid with contour information of the Implant Component, or images that show how several implant components may be composed, or merged patient images.
Row 40	References registration objects that contain registration data that is relevant for this Implantation Plan, e.g., registration of Implant Components.
Rows 5, 6	Identifies one or more items within the sequence of referenced Frames of Reference (Registration Sequence (0070,0308) in the Spatial Registration Module or Deformable Registration Sequence (0064,0002) in the “Deformable Spatial Registration Module” in PS3.3) that are relevant for this Implantation Plan. See Figure A-13.
Row 42	Any patient data created during the planning process that is not referenced in row 39 and 40, e.g., Surface Segmentation Instances created by the planning application.
Row 43	These Fiducials are derived from the Fiducials identified in Row 34.
Row 45	References to any relevant patient data containing IOD instances that were not used in planning or derived from it but belong to the patient model. Might be reports, images, surface segmentations, or other.

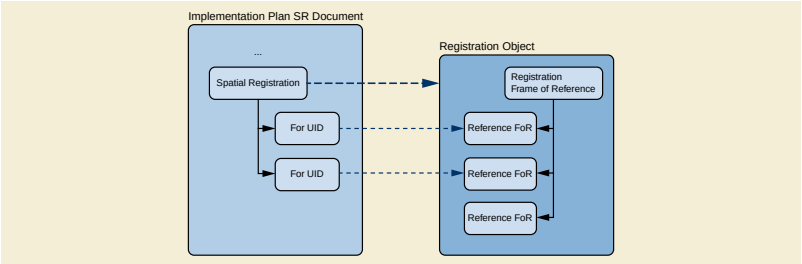

Figure A-13. References to Registration Objects

TID 7001 Related Implantation Reports

This general Template provides a means to reference related Implantation Plan SR Document instances that are not previous Reports. Other Implantations that are planned to be done during the same intervention should be referenced here.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 7001. Related Implantation Reports

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (112365, DCM, "Related Implantation Reports")	1	M		
2	>	CONTAINS	COMPOSITE		1-n	M		

Acquisition Context SR IOD Templates

The Templates that comprise the Acquisition Context SR are interconnected as follows:

- TID 8101 “Preclinical Small Animal Image Acquisition Context”
  - TID 1204 "Language of Content Item and Descendants"
  - TID 1001 "Observation Context"
  - TID 8110 “Biosafety Conditions”
  - TID 8121 “Animal Housing”
  - TID 8122 “Animal Feeding”
  - TID 8140 “Heating Conditions”
  - TID 8150 “Circadian Effects”
  - TID 8170 “Physiological Monitoring Performed During Procedure”
  - TID 8130 “Anesthesia”
    - TID 8131 “Medications and Mixture Medications”
  - TID 9002 “Medication, Substance, Environmental Exposure”
  - TID 8182 “Exogenous Substance Administration”

TID 8101 Preclinical Small Animal Image Acquisition Context

This root template encodes a description of the conditions present during and related to data acquisition for a single imaging procedure.

Note

1. It is not expected that a single instance be used to describe the entire life of an animal, unless it is sacrificed after a single procedure. Rather, separate instances will be used for separate procedures, though there may be some duplication of common information, such as about the home cage environment.
2. It is expected that an SR instance encoded using this template will be contained in the same Study as other instances created during the procedure, e.g., with a common Study Instance UID. If this is not practical, e.g., due to recording on a separate device without use of a shared Modality Worklist, then commonality of other Study level attributes may be necessary to link procedures (and possibly coerce the Study Instance UID to a common value).

Type: **Extensible**

Order: **Non-Significant**

Root: **Yes**

Table TID 8101. Preclinical Small Animal Image Acquisition Context

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (127001, DCM, "Preclinical Small Animal Imaging Acquisition Context")	1	M		Root node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 "Language of Content Item and Descendants"	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 "Observation Context"	1	M		
5	>	CONTAINS	INCLUDE	DTID 8110 “Biosafety Conditions”	1	U		
6	>	CONTAINS	CONTAINER	EV (127005, DCM, "Animal handling during specified phase")	1-n	U		
7	>>	HAS CONCEPT MOD	CODE	EV (127006, DCM, "Phase of animal handling")	1	M		DCID 634 “Phase of Animal Handling”
8	>>	CONTAINS	DATETIME	EV (111526, DCM, "DateTime Started")	1	U		
9	>>	CONTAINS	DATETIME	EV (111527, DCM, "DateTime Ended")	1	U		
10	>>	CONTAINS	INCLUDE	DTID 8121 “Animal Housing”	1	U		
11	>>	CONTAINS	INCLUDE	DTID 8122 “Animal Feeding”	1-n	U		
12	>>	CONTAINS	INCLUDE	DTID 8140 “Heating Conditions”	1	U		
13	>>	CONTAINS	INCLUDE	DTID 8150 “Circadian Effects”	1	U		
14	>>	CONTAINS	INCLUDE	DTID 8170 “Physiological Monitoring Performed During Procedure”	1	U		
15	>	CONTAINS	INCLUDE	DTID 8130 “Anesthesia”	1	U		
16	>	CONTAINS	INCLUDE	DTID 9002 “Medication, Substance, Environmental Exposure”	1	U		$ContainerConcept = EV (10160-0, LN, "History Of Medication Use") $CodeConcept = EV (111516, DCM, "Medication Type") $Route = DCID 11 “Route of Administration”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
17	>	CONTAINS	INCLUDE	DTID 8182 “Exogenous Substance Administration”	1	U		$ContainerConcept = EV (127400, DCM, "Exogenous substance") $CodeConcept = DCID 637 “Exogenous Substance Types” $CodeValue = DCID 638 “Exogenous Substance” $Route = DCID 11 “Route of Administration” $Site = DCID 644 $TissueOfOrigin = DCID 645 $TaxonomicRankOfOrigin = DCID 7454 “Animal Taxonomic Rank Values”

Content Item Descriptions

Row 3	A single pre-coordinated code describing the general type of imaging procedure can be described using TID 1005 Row 9 Procedure Code (included in TID 1001). For small animal (as opposed to human) imaging, this will likely describe a whole body acquisition in a modality-specific manner and the use of contrast and/or radiopharmaceutical. E.g., whole body FDG PET, or whole body DCE-MRI. May be redundant with (or default to) the value present in the top level Data Set in Procedure Code Sequence (0008,1032) of the General Study Module. Species and strain identification is not described in TID 1001; rather it is encoded in DICOM Attributes in the top level Data Set.
Row 5	The biosafety conditions are expected to be consistent across all phases of handling, so are not described separately per-phase.
Rows 8-9	The period of time during which the phase is defined, i.e., during which the animal was managed in the specified conditions. This may be more important for interpretation for some phases (e.g., transport) than others (e.g., at rest in the home cage), and hence is optional.
Rows 10-14	The outline of subordinate templates follows the pattern of categories of Animal Housing, Care, and Physiologic Monitoring information described in [Stout et al 2013].
Row 11	Animal feeding is 1-n to allow encoding of dietary supplements and treats in addition to the regular diet.
Row 15	A single anesthesia event is normally assumed for a single procedure, though the template included can include multiple pre-, intra- and post-procedure descriptions.
Row 16	Used to describe pharmaceuticals administered that are not described elsewhere, in particular, those that are not described as anesthesia medications, and those that are not described in the images (e.g., contrast, radiopharmaceuticals). This includes therapy (such as chemotherapy, immunotherapy) and similar interventions that may be the subject of the research. The value set of $CodeValue is not defined, given the vast range of possible codes and coding schemes for drugs or medicaments that might be used. Nor are value sets for $Classification or $Site defined.

Row 17	Used to describe non-pharmaceutical exogenous substances administered, such as cells or other tumor graft, fibrils, viruses, cytokines and toxins that describe the "model" upon which the research is being performed, as distinct from the "therapeutic intervention" (Row 16) that may be the purpose of the research. The Classification parameter is not constrained by any value set.

TID 8110 Biosafety Conditions

This template encodes a description of the biosafety conditions applicable to research small animals.

Type: **Extensible**

Order: **Non-Significant**

Table TID 8110. Biosafety Conditions

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (127010, DCM, "Biosafety conditions")	1	M		
2	>	CONTAINS	CODE	EV (409599009, SCT, "Biosafety level")	1	U		DCID 601 “Biosafety Levels”
2	>	CONTAINS	CODE	EV (127011, DCM, "Reason for biosafety controls")	1	U		DCID 602 “Biosafety Control Reasons”
4	>	CONTAINS	TEXT	EV (121106, DCM,"Comment")	1	U		

Content Item Descriptions

Row 4	A brief description of any pertinent or unusual biosafety requirements.

TID 8121 Animal Housing

This template encodes a description of housing of animals, e.g., in home cages, holders for imaging, etc., over an interval during which environmental and handling conditions are relatively homogenous.

Note

1. Only "static" parameters of the design and setup are recorded, and "nominal" values for environmental conditions such as humidity and temperature, but not "dynamic" parameters that might vary during one housing interval, and potentially be monitored, such as oxygen or ammonia levels, temperature, humidity, urine or fecal corticosterone levels, etc.
2. Values for product names and codes are expected to be accurate at the time the information is recorded, recognizing that products may evolve over time.

Type: **Extensible**

Order: **Non-Significant**

Table TID 8121. Animal Housing

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (127120, DCM, "Animal housing")	1	M		
2	>	CONTAINS	CODE	EV (127121, DCM, "Animal room type")	1	U		DCID 603 “Animal Room Types”
2b	>	CONTAINS	TEXT	EV (127122, DCM, "Animal room identifier")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	TEXT	EV (127125, DCM, "Housing manufacturer")	1	U		
4	>	CONTAINS	TEXT	EV (127126, DCM, "Housing rack product name")	1	U		
5	>	CONTAINS	TEXT	EV (127127, DCM, "Housing rack product code")	1	U		
6	>	CONTAINS	TEXT	EV (127128, DCM, "Housing unit product name")	1	U		
7	>	CONTAINS	TEXT	EV (127129, DCM, "Housing unit product code")	1	U		
8	>	CONTAINS	TEXT	EV (127130, DCM, "Housing unit lid product name")	1	U		
9	>	CONTAINS	TEXT	EV (127131, DCM, "Housing unit lid product code")	1	U		
10	>	CONTAINS	NUM	EV (127140, DCM, "Number of racks per room")	1	U		UNITS = EV ({racks}, UCUM, "racks")
11	>	CONTAINS	NUM	EV (127141, DCM, "Number of housing units per rack")	1	U		UNITS = EV ({housing units}, UCUM, "housing units") or EV ({cages}, UCUM, "cages")
12	>	CONTAINS	TEXT	EV (127142, DCM, "Housing unit location in rack")	1	U		
13	>	CONTAINS	NUM	EV (127143, DCM, "Number of animals within same housing unit")	1	U		UNITS = EV ({animals}, UCUM, "animals")
14	>	CONTAINS	CODE	EV (127144, DCM, "Sex of animals within same housing unit")	1	U		DCID 7457 “Sex - Male Female or Both”
15	>	CONTAINS	CODE	EV (127145, DCM, "Sex of handler")	1	U		DCID 7457 “Sex - Male Female or Both”
16	>	CONTAINS	NUM	EV (127150, DCM, "Total duration in housing")	1	U		UNITS = EV (d, UCUM, "days")
17	>	CONTAINS	NUM	EV (127151, DCM, "Housing change interval")	1	U		UNITS = EV (d, UCUM, "days")
18	>	CONTAINS	NUM	EV (127152, DCM, "Manual handling interval")	1	U		UNITS = EV (h, UCUM, "hours")
19	>	CONTAINS	TEXT	EV (127153, DCM, "Housing unit movement")	1	U		
20	>	CONTAINS	NUM	EV (127160, DCM, "Housing unit width")	1	U		UNITS = EV (cm, UCUM, "cm")
21	>	CONTAINS	NUM	EV (127161, DCM, "Housing unit height")	1	U		UNITS = EV (cm, UCUM, "cm")
22	>	CONTAINS	NUM	EV (127162, DCM, "Housing unit length")	1	U		UNITS = EV (cm, UCUM, "cm")
23	>	CONTAINS	CODE	EV (127170, DCM, "Housing individually ventilated")	1	U		DCID 231 “Yes-No Only”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
24	>	CONTAINS	NUM	EV (127172, DCM, "Air changes")	1	U		UNITS = EV (/h, UCUM, "/hour")
25	>	CONTAINS	NUM	EV (C90380, NCIt, "Environmental temperature")	1	U		UNITS = EV (Cel, UCUM, "C")
26	>	CONTAINS	NUM	EV (C90395, NCIt, "Housing humidity")	1	U		UNITS = EV (%, UCUM, "%")
27	>	CONTAINS	CODE	EV (127175, DCM, "Housing unit reuse")	1	U		DCID 604 “Device Reuse”
28	>	CONTAINS	CODE	EV (C90366, NCIt, "Bedding material")	1	U		DCID 605 “Animal Bedding Material”
29	>	CONTAINS	TEXT	EV (C90366, NCIt, "Bedding material")	1	U		
30	>	CONTAINS	TEXT	EV (127180, DCM, "Bedding manufacturer")	1	U		
31	>	CONTAINS	TEXT	EV (127181, DCM, "Bedding product name")	1	U		
32	>	CONTAINS	TEXT	EV (127182, DCM, "Bedding product code")	1	U		
33	>	CONTAINS	NUM	EV (127183, DCM, "Bedding volume")	1	U		UNITS = EV (ml, UCUM, "ml")
34	>	CONTAINS	NUM	EV (127184, DCM, "Bedding mass")	1	U		UNITS = EV (g, UCUM, "g")
34b	>	CONTAINS	NUM	EV (127185, DCM, "Bedding depth")	1	U		UNITS = EV (mm, UCUM, mm")
35	>	CONTAINS	NUM	EV (C90365, NCIt, "Bedding change")	1	U		UNITS = EV (d, UCUM, "days")
36	>	CONTAINS	CODE	EV (127192, DCM, "Enrichment material present")	1	U		DCID 241 “Present-Absent Only”
36b	>	CONTAINS	TEXT	EV (127191, DCM, "Enrichment manufacturer")	1	U		
37	>	CONTAINS	TEXT	EV (127190, DCM, "Enrichment material")	1	U		
38	>	CONTAINS	CODE	EV (127193, DCM, "Exerciser device present")	1	U		DCID 241 “Present-Absent Only”
39	>	CONTAINS	TEXT	EV (111045004, SCT, "Exerciser device")	1	U		
40	>	CONTAINS	CODE	EV (127195, DCM, "Shelter type")	1	U		DCID 606 “Animal Shelter Types”
41	>	CONTAINS	TEXT	EV (127196, DCM, "Shelter manufacturer")	1	U		
42	>	CONTAINS	TEXT	EV (127197, DCM, "Shelter product name")	1	U		
43	>	CONTAINS	TEXT	EV (127198, DCM, "Shelter product code")	1	U		
44	>	CONTAINS	TEXT	EV (121106, DCM,"Comment")	1	U		

Content Item Descriptions

Row 2 and 2b	The type and identifier of the entire room in which, for example, one or more racks of housing units is located, not the housing unit itself.
Row 3	The manufacturer is expected to be the same for all housing unit components, rack, bottom and lid.
Row 12	The position in the rack is encoded as text since it may be an "identifier" or a description. It is not a set of numeric (e.g., row, column) or coded (e.g., top, bottom or middle) values, since there are too many possible arrangements.
Row 13	The number of animals usually applies to a single housing unit, but may also be used to describe the number of animals imaged simultaneously in a multi-animal imaging carrier or support device ("chamber", "holder", etc.).
Rows 20-22	These may be internal or external dimensions, and are intended to provide an approximation of the living space and shape available.
Rows 25-26	Description of measured or monitored or nominal values of temperature and humidity. The means of maintaining these conditions, if relevant, is described elsewhere (e.g., in the case of peri-procedural temperature control, in TID 8140 “Heating Conditions”).
Rows 28-29	The bedding material may be described as a code or text, or both. The codes do not distinguish between methods of sterilization of the bedding material (e.g., irradiation, autoclaving or other heat treatment), since that is not a relevant factor for image interpretation. The definition of the NCIt concept is "that which comprises the place where a subject sleeps".
Row 35	The definition of the NCIt concept is "a replacement of the existing materials that make up the sleeping area of a subject", and is used here to specify the interval between bedding changes.
Row 36-37	The presence or absence of enrichment material is coded, but the type is not, and may be described as text, e.g., "facial tissue", "cotton (nesting material)".
Row 38-39	The presence or absence of an exercise device is coded, but the type is not, and may be described as text.

TID 8122 Animal Feeding

This template encodes a description of feeding and watering of animals, over an interval during which conditions are relatively homogenous.

Note

1. No specific time interval during which the diet is applicable is described.
2. Values for product names and codes are expected to be accurate at the time the information is recorded, recognizing that products may evolve over time.

Type: **Extensible**

Order: **Non-Significant**

Table TID 8122. Animal Feeding

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (75118006, SCT, "Feeding")	1	M		
2	>	CONTAINS	CODE	EV (82566005, SCT, "Animal feed")	1	U		DCID 607 “Animal Feed Types”
3	>	CONTAINS	CODE	EV (127205, DCM, "Feed source")	1	U		DCID 608 “Animal Feed Sources”
4	>	CONTAINS	TEXT	EV (127200, DCM, "Feed manufacturer")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5	>	CONTAINS	TEXT	EV (127201, DCM, "Feed product name")	1	U		
6	>	CONTAINS	TEXT	EV (127202, DCM, "Feed product code")	1	U		
7	>	CONTAINS	CODE	EV (C0015746, UMLS, "Feeding method")	1	U		DCID 609 “Animal Feeding Methods”
8	>	CONTAINS	CODE	EV (11713004, SCT, "Water")	1	U		DCID 610 “Water Types”
9	>	CONTAINS	CODE	EV (C90486, NCIt, "Water delivery")	1	U		DCID 609 “Animal Feeding Methods”
10	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

TID 8130 Anesthesia

This template encodes a description of the anesthesia applied during a procedure (e.g., imaging of research small animals).

Note

This template combines selected concepts from the [AQI Schema] elements, their complex types, and their children:

- AnesthesiaMethodSet (type AnesthesiaMethodSetType). See http://www.aqihq.org/aqischdoc/AnesthesiaMethodSet.html and http://www.aqihq.org/aqischdoc/AnesthesiaMethodSetType.html.
- AirwayManagementSet (type AirwayManagementSetType). See http://www.aqihq.org/aqischdoc/AirwayManagementSet.html and http://www.aqihq.org/aqischdoc/AirwayManagementSetType.html.
- MedicationsSet (type MedicationsSetType). See http://www.aqihq.org/aqischdoc/MedicationsSet.html and http://www.aqihq.org/aqischdoc/MedicationsSetType.html.

Type: **Extensible**

Order: **Non-Significant**

Table TID 8130. Anesthesia

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (399097000, SCT, "Administration of anesthesia")	1	M		
2	>	CONTAINS	CONTAINER	EV (127300, DCM, "Anesthesia Method Set")	1	M		
3	>>	CONTAINS	CONTAINER	EV (127301, DCM, "Anesthesia Method")	1-n	M		
4	>>>	CONTAINS	CODE	EV (127302, DCM, "Anesthesia Category")	1	M		DCID 611 “Anesthesia Category Code Type for Small Animal Anesthesia”
5	>>>	CONTAINS	TEXT	EV (127303, DCM, "Anesthesia SubCategory")	1	U		
6	>>>	CONTAINS	DATETIME	EV (398325003, SCT, "Anesthesia Start Time")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
7	>>>	CONTAINS	DATETIME	EV (398164008, SCT, "Anesthesia Finish Time")	1	U		
8	>>>	CONTAINS	CODE	EV (241687005, SCT, "Anesthesia Induction")	1	U		DCID 613 “Anesthesia Induction Code Type for Small Animal Anesthesia”
9	>>>	CONTAINS	CODE	EV (241695009, SCT, "Anesthesia Maintenance")	1	U		DCID 615 “Anesthesia Maintenance Code Type for Small Animal Anesthesia”
10	>>>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
11	>	CONTAINS	CONTAINER	EV (127310, DCM, "Airway Management Set")	1	M		
12	>>	CONTAINS	CONTAINER	EV (386509000, SCT, "Airway Management")	1-n	M		
13	>>>	CONTAINS	CODE	EV (127312, DCM, "Airway Management Method")	1	M		DCID 617 “Airway Management Method Code Type for Small Animal Anesthesia”
14	>>>	CONTAINS	CODE	EV (127313, DCM, "Airway Sub-Management Method")	1	M		DCID 619 “Airway Management Sub-Method Code Type for Small Animal Anesthesia”
15	>	CONTAINS	CONTAINER	EV (127320, DCM, "Medications Set")	1-n	M		
16	>>	CONTAINS	CODE	EV (128954007, SCT, "Procedure Phase")	1	M		DCID 631 “Phase of Procedure Requiring Anesthesia”
17	>>	CONTAINS	INCLUDE	DTID 8131 “Medications and Mixture Medications”	1-n	M		$DrugAdministered = DCID 623 “Medication for Small Animal Anesthesia”

Content Item Descriptions

Rows 1-3	If this template is used, at least one description of anesthesia method is required. Note that the specific agents used are described separately, as intra-operative medications, per the [AQI Schema].
Rows 6-7	These correspond to AQI elements that are named "Time" rather than "DateTime", though their value is a DateTime; the DICOM naming convention is used here.
Row 9	Only inhalational methods of maintenance are included in this row. Absence of this row implies that the (non-inhalational) induction method is used for maintenance.
Row 10	The comment corresponds to AQI element "Anesthesia Notes".
Rows 11-13	At least one description of airway management is required. The airway management method also serves as the description of the method of inhalational anesthesia delivery, even if it does not involve "management" of the "airway" per se (e.g., delivery via nose cone).

Rows 15-17	In the AQI model, a single AQI MedicationsSet is used in the AQI IntraOp element to describe intra-operative medications. This template allows a more general usage, with one or more Medications Set containers, each of which may be qualified by the phase of the procedure (pre-operative, intra-operative or post-operative). The purpose of the medication (e.g., general anesthetic) is described in the (111516, DCM, "Medication Type") of the included TID 8131 “Medications and Mixture Medications”.

TID 8131 Medications and Mixture Medications

This template encodes a description of medications (including but not limited to anesthetic agents) used during a procedure (e.g., pre-medication drugs for an imaging procedure on humans, or anesthesia for imaging of research small animals).

Note

This template combines selected concepts from the [AQI Schema] elements, their complex types, and their children:

- Medication (type MedicationType). See http://www.aqihq.org/aqischdoc/Medication.html and http://www.aqihq.org/aqischdoc/MedicationType.html.
- MixtureMedications (type MixtureMedicationType). See http://www.aqihq.org/aqischdoc/MixtureMedications.html and http://www.aqihq.org/aqischdoc/MixtureMedicationType.html.

Table TID 8131. Parameters

Parameter Name	Parameter Usage
$DrugAdministered	Type of drug administered

Type: **Extensible**

Order: **Non-Significant**

Table TID 8131. Medications and Mixture Medications

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (182833002, SCT, "Medication given")	1	M		
2	>	CONTAINS	DATETIME	EV (122081, DCM, "Drug start")	1	U		
3	>	CONTAINS	DATETIME	EV (122082, DCM, "Drug end")	1	U		
4	>	CONTAINS	CODE	EV (410675002, SCT, "Route of administration")	1	M		DCID 11 “Route of Administration”
5	>	CONTAINS	CONTAINER	EV (272163001, SCT, "Mixture")	1-n	M		
6	>>	CONTAINS	CODE	EV (122083, DCM, "Drug administered")	1	MC	XOR Row 7	$DrugAdministered
7	>>	CONTAINS	TEXT	EV (122083, DCM, "Drug administered")	1	MC	XOR Row 6	
8	>>	CONTAINS	CODE	EV (111516, DCM, "Medication Type")	1	M		DCID 621 “Type of Medication for Small Animal Anesthesia” DCID 76 “Type of Pre-medication”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9	>>	CONTAINS	NUM	EV (260911001, SCT, "Dosage")	1	U		UNITS = DCID 82 “Units of Measurement”
10	>>	CONTAINS	NUM	EV (122093, DCM, "Concentration")	1	U		UNITS = DCID 82 “Units of Measurement”
11	>>	CONTAINS	CODE	EV (113510, DCM, "Drug Product Identifier")	1	U		
12	>>>	HAS PROPERTIES	TEXT	EV (111529, DCM, "Brand Name")	1	U		
13	>>	CONTAINS	NUM	DCID 3410 “Numeric Parameters of Drugs/Contrast”	1-n	U		

Content Item Descriptions

Row 1	AQI Medication type and element correspond to (182833002, SCT, "Medication given") (situation). (See TID 3806 Cath Procedure).
Rows 2-3	AQI DoseStart and DoseEnd elements correspond to (122081, DCM, "Drug start") and (122082, DCM, "Drug end") respectively. (See CID 3409 Administration of Drugs/Contrast). If the medication is delivered as a bolus, the end time is omitted.
Row 4	AQI MedicationRoute corresponds to (410675002, SCT, "Route of administration"). The existing CID 11 “Route of Administration” contains a relevant subset of concepts for the enumerated values of AQI MedicationRouteCodeType.
Row 5	The AQI schema allows the Medication type not only to describe medications with a single component, but also to add MixtureMedications children, each of which is encoded following a similar pattern to the contents of Medication, though the start and end time and route of administration are shared. This had been modeled by allowing every medication to have one or more mixture children. For medications that are not a mixture, a single instance of this row defines the medication (even though the mixture container is still used).
Rows 6, 7	AQI MedicationName and MixtureMedicationName elements correspond to (122083, DCM, "Drug administered"). (See TID 3806 Cath Procedure). The medication (e.g., anesthesia agent) can be described with a code or text, e.g., (387368002, SCT, "Isoflurane") or "isoflurane".
Row 9	Both AQI MedDose (or MixtureMedDose) and DoseUnits (or MixtureDoseUnits) elements are combined in one content item. Units are required to be encoded as UCUM but are not otherwise constrained.
Row 10	Both AQI MedConcentration (or MixtureMedConcentration) and MedConcentrationUnit (or MixtureMedConcentrationUnit) elements are combined in one content item. Units are required to be encoded as UCUM but are not otherwise constrained.
Row 11	Registered drug establishment code for the product. Equivalent codes can be encoded in this item using the Equivalent Code Sequence (0008,0121). See Section 8.9 “Equivalent Code Sequence” in PS3.3.

TID 8140 Heating Conditions

This template encodes a description of the heating conditions applied prior to, during or after data acquisition (e.g., during imaging of research small animals).

Type: **Extensible**

Order: **Non-Significant**

Table TID 8140. Heating Conditions

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (127040, DCM, "Heating conditions")	1	M		
2	>	CONTAINS	CODE	EV (128954007, SCT, "Procedure Phase")	1	U		DCID 631 “Phase of Procedure Requiring Anesthesia”
3	>	CONTAINS	CODE	EV (C0018851, UMLS, "Heating")	1	U		DCID 635 “Heating Method”
4	>	CONTAINS	CODE	EV (127210, DCM, "Feedback temperature regulation")	1	U		DCID 231 “Yes-No Only”
5	>	CONTAINS	CODE	EV (C50304, NCIt, "Temperature sensor device component")	1	U		DCID 636 “Temperature Sensor Device Component Type for Small Animal Procedures”
6	>	CONTAINS	NUM	EV (250881009, SCT, "Equipment Temperature")	1	U		UNITS = EV (Cel, UCUM, "C")

Content Item Descriptions

Row 2	Phase during which the conditions are applicable may be implicit in the context of invocation of this template (e.g., TID 8101 “Preclinical Small Animal Image Acquisition Context” Row 7), or explicitly specified.
Row 3	The definition (from MESH) is "The application of heat to raise the temperature of the environment, ambient or local, or systems for accomplishing this effect".
Row 6	This is the nominal temperature of the heating device (e.g., heating pad) and/or the set point of the feedback regulation device.

TID 8150 Circadian Effects

This template encodes a description of the Circadian effects relevant during data acquisition (e.g., during imaging of research small animals).

Type: **Extensible**

Order: **Non-Significant**

Table TID 8150. Circadian Effects

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (127050, DCM, "Circadian effects")	1	M		
2	>	CONTAINS	NUM	EV (127214, DCM, "Total duration of light-dark cycle")	1	U		UNITS = EV (h, UCUM, "hours")
3	>	CONTAINS	NUM	EV (C90419, NCIt, "Light cycle")	1	U		UNITS = EV (%, UCUM, "%")
4	>	CONTAINS	TIME	EV (127215, DCM, "Lights on time of day")	1-n	U		

Content Item Descriptions

Row 2	Usually 24 hours.

Row 3	The definition is "the amount of ambient light/darkness to which a subject is exposed in a period of time"; also mapped to CDISC "the period of light that a subject is exposed to in a period of time, usually expressed as the amount of time in a 24 hour cycle".
Row 4	Can only be encoded if the light-dark cycles are aligned to a 24 hour clock. May be multiple if either multiple cycles occur during a 24 hour period, or if the cycle is longer than a 24 hour period and a multiple of 24 hours in duration.

TID 8170 Physiological Monitoring Performed During Procedure

This template encodes a description of the physiological monitoring performed during a period of time during or related to a data acquisition procedure (e.g., imaging of research small animals).

Type: **Extensible**

Order: **Non-Significant**

Table TID 8170. Physiological Monitoring Performed During Procedure

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (281691001, SCT, "Physiological monitoring")	1	M		
2	>	CONTAINS	CODE	EV (266706003, SCT, "Electrocardiographic monitoring")	1	U		DCID 231 “Yes-No Only”
3	>	CONTAINS	CODE	EV (53617003, SCT, "Monitoring of respiration")	1	U		DCID 231 “Yes-No Only”

Content Item Descriptions

Row 2	There is no non-surgical procedure non-specific variant of (91096005, SCT, "Monitoring of electrocardiogram at surgery"). (266706003, SCT, "Continuous electrocardiogram monitoring") is intended for non-procedural (e.g., 24-hour) monitoring. So a more generic code for any kind of monitoring is used.

TID 8182 Exogenous Substance Administration

This template provides detailed information on a research subject's exposure to exogenous substances. It is a specialization of the more general template TID 9002 “Medication, Substance, Environmental Exposure”.

Table TID 8182. Parameters

Parameter Name	Parameter Usage
$ContainerConcept	Coded term for the concept name of the CONTAINER, identifying it as an exogenous substance.
$CodeConcept	Coded term for the concept name of the CODE, identifying the type of substance.
$CodeValue	Coded term or Context Group for value of the substance.
$Classification	Coded term or Context Group for classification of the substance.
$Route	Coded term or Context Group for the route of administration of the substance.
$Site	Coded term or Context Group for the anatomical site of administration of the substance
$TissueOfOrigin	Coded term or Context Group for the tissue of origin of the substance
$TaxonomicRankOfOrigin	Coded term or Context Group for the taxonomic rank (e.g., species) of origin of the substance

Type: **Extensible**

Order: **Significant**

Table TID 8182. Exogenous Substance Administration

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$ContainerConcept	1	M		
2	>	CONTAINS	CODE	$CodeConcept	1-n	M		$CodeValue
3	>>	HAS CONCEPT MOD	CODE	EV (278201002, SCT, "Classification")	1	U		$Classification
4	>>	HAS OBS CONTEXT	CODE	EV (111534, DCM, "Role of person reporting")	1	U		DCID 7450 “Person Roles”
5	>>	HAS PROPERTIES	NUM	EV (111524, DCM, "Age Started")	1	U		UNITS = DCID 7456 “Units of Measure for Age”
6	>>	HAS PROPERTIES	NUM	EV (111525, DCM, "Age Ended")	1	U		UNITS = DCID 7456 “Units of Measure for Age”
7	>>	HAS PROPERTIES	DATETIME	EV (111526, DCM, "DateTime Started")	1	U		
8	>>	HAS PROPERTIES	DATETIME	EV (111527, DCM, "DateTime Ended")	1	U		
9	>>	HAS PROPERTIES	NUM	EV (103335007, SCT, "Duration")	1	U		UNITS = DCID 6046 “Units of Follow-up Interval”
10	>>	HAS PROPERTIES	CODE	EV (111528, DCM, "Ongoing")	1	U		DCID 230 “Yes-No”
11	>>	HAS PROPERTIES	TEXT	EV (111529, DCM, "Brand Name")	1	U		
12	>>	HAS PROPERTIES	NUM	DCID 6092 “Quantitative Concepts for Usage, Exposure”	1	U		The unit of measure shall be quantity per unit of time
13	>>	HAS PROPERTIES	CODE	DCID 6093 “Qualitative Concepts for Usage, Exposure Amount”	1	U		DCID 6090 “Relative Usage, Exposure Amount”
14	>>	HAS PROPERTIES	CODE	DCID 6094 “Qualitative Concepts for Usage, Exposure Frequency”	1	U		DCID 6091 “Relative Frequency of Event Values”
15	>>	HAS PROPERTIES	CODE	EV (410675002, SCT, "Route of administration")	1	U		$Route
16	>>>	HAS PROPERTIES	CODE	EV (272737002, SCT, "Site of")	1	U		$Site
17	>>>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	MC	IF Row 16 has laterality	DCID 244 “Laterality”
18	>>>	HAS PROPERTIES	SCOORD3D	EV (127450, DCM, "Stereotactic coordinates")	1	U		
19	>>>	HAS PROPERTIES	CODE	EV (127451, DCM, "Position reference indicator")	1	U		DCID 647 “Position Reference Indicator for Frame of Reference”
20	>>	HAS PROPERTIES	CODE	EV (127401, DCM, "Tissue of origin")	1	U		$TissueOfOrigin
21	>>	HAS PROPERTIES	CODE	EV (127402, DCM, "Taxonomic rank of origin")	1	U		$TaxonomicRankOfOrigin

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
22	>>	HAS PROPERTIES	CODE	EV (127411, DCM, "Strain")	1	U		
23	>>	HAS PROPERTIES	TEXT	EV (127412, DCM, "Strain description")	1	U		
24	>>>	HAS CONCEPT MOD	TEXT	EV (127413, DCM, "Nomenclature")	1	U		
25	>>	HAS PROPERTIES	TEXT	EV (127415, DCM, "Genetic modifications description")	1-n	U		
26	>>>	HAS CONCEPT MOD	TEXT	EV (127413, DCM, "Nomenclature")	1	U		
27	>>>	HAS PROPERTIES	CODE	EV (127414, DCM, "Genetic modifications")	1	U		

Content Item Descriptions

Row 3	Classification is inherited from the more general template TID 9002 “Medication, Substance, Environmental Exposure”, and may be supplied as a parameter, but is entirely generic and is not used as an alternative to the more specific information provided in other rows, for example, Rows 19 and 20, tissue and taxonomic rank of origin.
Row 11	Brand name may be used for any type of descriptor or identifier. E.g., a particular cell line might have a designated name, such as "MDA-MB-468", which designates a particular human breast cancer cell line.
Rows 22-27	These rows describe the strain and genetic modifications of the source of the graft using content items that correspond to the Attributes described in Section C.7.1.1.1.4 “Patient Strain and Genetic Modifications” in PS3.3. The strain and genetic characteristics of the animal into which the exogenous substance is grafted are described in the Patient Module; see Section C.7.1.1.1.4 “Patient Strain and Genetic Modifications” in PS3.3.

Relevant Patient Information Templates

TID 9000 Relevant Patient Information for Breast Imaging

This Template collects a patient's relevant information as it relates to breast imaging. This Template, together with its subordinate Templates, describes the history of a patient's reproductive system, hormone medications, past procedures, risk factors, and indicated problems as they relate to breast health.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 9000. Relevant Patient Information for Breast Imaging

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111511, DCM, "Relevant Patient Information for Breast Imaging")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	CONTAINS	INCLUDE	DTID 3114 “Patient Assessment”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>	CONTAINS	INCLUDE	DTID 9001 “Gynecological History”	1	U		
5	>	CONTAINS	INCLUDE	DTID 9002 “Medication, Substance, Environmental Exposure”	1	U		$ContainerConcept = EV (10160-0, LN, "History Of Medication Use") $CodeConcept = EV (111516, DCM, "Medication Type") $CodeValue = DCID 6080 “Gynecological Hormones”
6	>	CONTAINS	INCLUDE	DTID 9003 “Previous Procedure”	1	U		$ProcedureList = DCID 6083 “Procedures for Breast” $ProcedureModifier = DCID 6058 “Procedure Modifiers for Breast” $NumConceptName = DCID 6095 “Numeric Properties of Procedures” $LateralityValue = DCID 6022 “Side” $ProcedureResult = DCID 6063 “Interventional Procedure Results” $ComplicationValue = DCID 6062 “Interventional Procedure Complications”
7	>	CONTAINS	INCLUDE	DTID 9004 “Indicated Problem”	1	U		$ProblemList = DCID 6055 “Breast Clinical Finding or Indicated Problem” $LateralityValue = DCID 6022 “Side” $LocationValue = DCID 6018 “Clockface Location or Region”, DCID 6020 “Quadrant Location”
8	>	CONTAINS	INCLUDE	DTID 9005 “Risk Factor”	1	U		$RiskList = DCID 6081 “Breast Cancer Risk Factors” $FamilyList = DCID 7451 “Family Member”

TID 9001 Gynecological History

This general Template collects the details of a patient's reproductive system history, such as number of births, and gynecological surgery history.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 9001. Gynecological History

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (267011001, SCT, "Gynecological History")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS OBS CONTEXT	CODE	EV (111534, DCM, "Role of person reporting")	1	U		DCID 7450 “Person Roles”
3	>	CONTAINS	DATE	EV (11955-2, LN, "Date of last menstrual period")	1	U		
4	>	CONTAINS	NUM	EV (111518, DCM, "Age when first menstrual period occurred")	1	U		UNITS = EV (a, UCUM, "Year")
5	>	CONTAINS	NUM	EV (111519, DCM, "Age at First Full Term Pregnancy")	1	U		UNITS = EV (a, UCUM, "Year")
6	>	CONTAINS	NUM	EV (11977-6, LN, "Para")	1	U		UNITS = EV (1, UCUM, "no units")
7	>	CONTAINS	NUM	EV (11639-2, LN, "Term")	1	U		UNITS = EV (1, UCUM, "no units")
8	>	CONTAINS	NUM	EV (11637-6, LN, "Preterm")	1	U		UNITS = EV (1, UCUM, "no units")
9	>	CONTAINS	NUM	EV (11636-8, LN, "Live Births")	1	U		UNITS = EV (1, UCUM, "no units")
10	>	CONTAINS	NUM	EV (111593, DCM, "LBW or IUGR")	1	U		UNITS = EV (1, UCUM, "no units")
11	>	CONTAINS	NUM	EV (11996-6, LN, "Gravida")	1	U		UNITS = EV (1, UCUM, "no units")
12	>	CONTAINS	NUM	EV (11612-9, LN, "Aborta")	1	U		UNITS = EV (1, UCUM, "no units")
13	>	CONTAINS	NUM	EV (33065-4, LN, "Ectopic Pregnancies")	1	U		UNITS = EV (1, UCUM, "no units")
14	>	CONTAINS	NUM	EV (111520, DCM, "Age at Menopause")	1	U		UNITS = EV (a, UCUM, "Year")
15	>	CONTAINS	NUM	EV (111521, DCM, "Age when hysterectomy performed")	1	U		UNITS = EV (a, UCUM, "Year")
16	>>	HAS CONCEPT MOD	CODE	EV (255590007, SCT, "Extent")	1	U		EV (255594003, SCT, "Complete") EV (255609007, SCT, "Partial")
17	>	CONTAINS	NUM	EV (111522, DCM, "Age when left ovary removed")	1	U		UNITS = EV (a, UCUM, "Year")
18	>	CONTAINS	NUM	EV (111523, DCM, "Age when right ovary removed")	1	U		UNITS = EV (a, UCUM, "Year")
19	>	CONTAINS	CODE	EV (111543, DCM, "Breast feeding history")	1	U		DCID 230 “Yes-No”
20	>>	HAS PROPERTIES	NUM	EV (111544, DCM, "Average breast feeding period")	1	U		UNITS = EV (wk, UCUM, "Week")
21	>	CONTAINS	CODE	EV (364320009, SCT, "Pregnancy observable")	1	U		DCID 6096 “Pregnancy Status”
22	>	CONTAINS	CODE	EV (111391, DCM, "Menstrual Cycle Phase")	1	U		DCID 6163 “Menstrual Cycle Phase”

TID 9002 Medication, Substance, Environmental Exposure

This general Template provides detailed information on a patient's medication or substance use, or exposure to environmental factors, including type and duration of use or exposure.

Table TID 9002. Parameters

Parameter Name	Parameter Usage
$ContainerConcept	Coded term for the concept name of the CONTAINER, identifying it as medication, substance, or environmental exposure history.
$CodeConcept	Coded term for the concept name of the CODE, identifying it as medication, substance, or environmental exposure.
$CodeValue	Coded term or Context Group for value of the medication, substance, or environmental exposure.
$Classification	Coded term or Context Group for classification of the medication, substance, or environmental exposure.
$Route	Coded term or Context Group for the route of administration of the medication, substance, or route of environmental exposure.
$Site	Coded term or Context Group for the anatomical site of administration of the medication, substance, or anatomical site of environmental exposure.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 9002. Medication, Substance, Environmental Exposure

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	$ContainerConcept	1	M		
2	>	CONTAINS	CODE	$CodeConcept	1-n	M		$CodeValue
3	>>	HAS CONCEPT MOD	CODE	EV (278201002, SCT, "Classification")	1	U		$Classification
4	>>	HAS OBS CONTEXT	CODE	EV (111534, DCM, "Role of person reporting")	1	U		DCID 7450 “Person Roles”
5	>>	HAS PROPERTIES	NUM	EV (111524, DCM, "Age Started")	1	U		DCID 7456 “Units of Measure for Age”
6	>>	HAS PROPERTIES	NUM	EV (111525, DCM, "Age Ended")	1	U		DCID 7456 “Units of Measure for Age”
7	>>	HAS PROPERTIES	DATETIME	EV (111526, DCM, "DateTime Started")	1	U		
8	>>	HAS PROPERTIES	DATETIME	EV (111527, DCM, "DateTime Ended")	1	U		
9	>>	HAS PROPERTIES	NUM	EV (103335007, SCT, "Duration")	1	U		UNITS = DCID 6046 “Units of Follow-up Interval”
10	>>	HAS PROPERTIES	CODE	EV (111528, DCM, "Ongoing")	1	U		DCID 230 “Yes-No”
11	>>	HAS PROPERTIES	TEXT	EV (111529, DCM, "Brand Name")	1	U		
12	>>	HAS PROPERTIES	NUM	DCID 6092 “Quantitative Concepts for Usage, Exposure”	1	U		The unit of measure shall be quantity per unit of time

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
13	>>	HAS PROPERTIES	CODE	DCID 6093 “Qualitative Concepts for Usage, Exposure Amount”	1	U		DCID 6090 “Relative Usage, Exposure Amount”
14	>>	HAS PROPERTIES	CODE	DCID 6094 “Qualitative Concepts for Usage, Exposure Frequency”	1	U		DCID 6091 “Relative Frequency of Event Values”
15	>>	HAS PROPERTIES	CODE	EV (410675002, SCT, "Route of administration")	1	U		$Route
16	>>>	HAS PROPERTIES	CODE	EV (272737002, SCT, "Site of")	1	U		$Site
17	>>>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	MC	IF Row 16 has laterality	DCID 244 “Laterality”

Content Item Descriptions

Row 3	Classification is mapped in UMLS to (C0008902, UMLS, "Classification"). Its definition is completely generic; i.e., it does not refer to any particular type of classification.
Rows 13 & 14	If both of these Content Items are instantiated, the concept names selected for each should match. For example, use "Relative dose amount" as the concept name for row 13 with "Relative dose frequency" as the concept name for row 14.
Row 15	Even though the concept name is route of administration, it is also used for route of exposure in the case of environmental exposure.
Rows 16 and 17	This pattern of route with a site and laterality modifier follows that used in TID 10022 “Radiopharmaceutical Administration Event Data”.

TID 9003 Previous Procedure

This general Template provides detailed information on a patient's previous procedure, surgery, or treatment.

Table TID 9003. Parameters

Parameter Name	Parameter Usage
$ProcedureList	Coded term or Context Group for value of Previous Procedure
$ProcedureModifier	Coded term or Context Group for value of Previous Procedure Modifier
$NumConceptName	Coded term or Context Group for the concept name of a numeric property of the Previous Procedure
$LateralityValue	Coded term or Context Group for value of Laterality
$ProcedureResult	Coded term or Context Group for value of Result of Procedure
$ComplicationValue	Coded term or Context Group for value of Complication

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 9003. Previous Procedure

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111513, DCM, "Relevant Previous Procedures")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	CONTAINS	CODE	EV (111531, DCM, "Previous Procedure")	1-n	M		$ProcedureList
3	>>	HAS CONCEPT MOD	CODE	EV (111464, DCM, "Procedure Modifier")	1-n	U		$ProcedureModifier
4	>>	HAS OBS CONTEXT	CODE	EV (111534, DCM, "Role of person reporting")	1	U		DCID 7450 “Person Roles”
5	>>	HAS PROPERTIES	NUM	$NumConceptName	1-n	U		
6	>>	HAS PROPERTIES	CODE	EV (272741003, SCT, "Laterality")	1	U		$LateralityValue
7	>>	HAS PROPERTIES	DATETIME	EV (122146, DCM, "Procedure DateTime")	1	UC	XOR row 8	
8	>>	HAS PROPERTIES	CODE	EV (111395, DCM, "Estimated Timeframe")	1	UC	XOR row 7	BCID 6164 “Time Intervals”
9	>>	HAS PROPERTIES	NUM	EV (246432004, SCT, "Number of occurrences")	1	U		UNITS = EV (1, UCUM, "no units")
10	>>	HAS PROPERTIES	CODE	EV (116224001, SCT, "Complication of procedure")	1-n	U		$ComplicationValue
11	>>>	HAS PROPERTIES	CODE	EV (111466, DCM, "Severity of Complication")	1	U		DCID 251 “Severity of Complication”
12	>>	HAS PROPERTIES	CODE	EV (122177, DCM, "Procedure Result")	1	U		$ProcedureResult
13	>>	HAS PROPERTIES	INCLUDE	DTID 4207 “Breast Imaging Pathology Results”	1-n	U		

TID 9004 Indicated Problem

This general Template provides information about indicated problems presented by a patient. For example, indicated breast problems relating to the purpose for a mammographic examination.

Table TID 9004. Parameters

Parameter Name	Parameter Usage
$ProblemList	Coded term or Context Group for value of Indicated Problem
$LateralityValue	Coded term or Context Group for value of Laterality
$LocationValue	Coded term or Context Group for value of Location

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 9004. Indicated Problem

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (11450-4, LN, "Problem List")	1	M		
2	>	CONTAINS	CODE	EV (111533, DCM, "Indicated Problem")	1-n	M		$ProblemList
3	>>	HAS OBS CONTEXT	CODE	EV (111534, DCM, "Role of person reporting")	1	U		DCID 7450 “Person Roles”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>>	HAS OBS CONTEXT	DATETIME	EV (111535, DCM, "DateTime problem observed")	1	U		
5	>>	HAS PROPERTIES	CODE	EV (272741003, SCT, "Laterality")	1	U		$LateralityValue
6	>>	HAS PROPERTIES	CODE	EV (363698007, SCT, "Finding site")	1	U		$LocationValue
7	>>	HAS PROPERTIES	NUM	EV (103335007, SCT, "Duration")	1	U		
8	>>	HAS PROPERTIES	CODE	EV (272123002, SCT, "Frequency")	1	U		DCID 6091 “Relative Frequency of Event Values”
9	>>	HAS PROPERTIES	DATETIME	EV (111536, DCM, "DateTime of last evaluation")	1	U		
10	>>	HAS PROPERTIES	TEXT	EV (121106, DCM, "Comment")	1	U		

TID 9005 Risk Factor

This general Template provides detailed information on the risk factors for a patient, related to medical history for themselves and family members.

Table TID 9005. Parameters

Parameter Name	Parameter Usage
$RiskList	Coded term or Context Group for value of Risk Factor
$FamilyList	Coded term or Context Group for value of Family Member with Risk Factor

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 9005. Risk Factor

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111515, DCM, "Relevant Risk Factors")	1	M		
2	>	CONTAINS	CODE	EV (80943009, SCT, "Risk factor")	1-n	M		$RiskList
3	>>	HAS CONCEPT MOD	CODE	EV (111530, DCM, "Risk Factor modifier")	1	U		EV (57177007, SCT, "Family history of")
4	>>	HAS PROPERTIES	NUM	EV (18185-9, LN, "Gestational Age")	1	UC	IFF value of row 2 is (161765003, SCT, "History of - premature delivery")	
5	>>	HAS OBS CONTEXT	CODE	EV (111534, DCM, "Role of person reporting")	1	U		DCID 7450 “Person Roles”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>>	HAS PROPERTIES	NUM	EV (111538, DCM, "Age at Occurrence")	1	U		UNITS = EV (a, UCUM, "Year")
7	>>	HAS PROPERTIES	NUM	EV (103335007, SCT, "Duration")	1	U		UNITS = DCID 6046 “Units of Follow-up Interval”
8	>>	HAS PROPERTIES	TEXT	EV (121106, DCM, "Comment")	1	U		
9	>>	INFERRED FROM	CODE	EV (111537, DCM, "Family Member with Risk Factor")	1-n	U		$FamilyList
10	>>>	HAS PROPERTIES	NUM	EV (111538, DCM, "Age at Occurrence")	1	U		UNITS = EV (a, UCUM, "Year")
11	>>>	HAS CONCEPT MOD	CODE	EV (111539, DCM, "Menopausal phase")	1	U		DCID 6086 “Menopausal Phase”
12	>>>	HAS CONCEPT MOD	CODE	EV (111540, DCM, "Side of Family")	1	U		DCID 6097 “Side of Family”

TID 9006 Obstetric History

This general Template collects the details of a patient's obstetric history for a current pregnancy. Information regarding previous pregnancies is conveyed using the Gynecological History Template.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 9006. Obstetric History

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (248983002, SCT, "Obstetric History")	1	M		
2	>	CONTAINS	DATE	DCID 12003 “OB-GYN Dates”	1-n	U		
3	>	CONTAINS	NUM	EV (18185-9, LN, "Gestational Age")	1	U		UNITS = EV (d, UCUM, "day")
4	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1-n	U		

Content Item Descriptions

Row 3 "Gestational Age"	Observation DateTime (0040,A032) for Content Item shall be present, in order to convey the date and time at which this Gestational Age was established.

TID 9007 General Relevant Patient Information

This Template collects a patient's relevant information for general purpose use. This Template, together with its subordinate Templates, describes the history of a patient's reproductive system, medications, substance use, environmental exposure, past procedures, risk factors, and indicated problems.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 9007. General Relevant Patient Information

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (111517, DCM, "Relevant Patient Information")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	CONTAINS	INCLUDE	DTID 3114 “Patient Assessment”	1	U		
4	>	CONTAINS	INCLUDE	DTID 9002 “Medication, Substance, Environmental Exposure”	1	U		$ContainerConcept = EV (10160-0, LN, "History Of Medication Use") $CodeConcept = EV (111516, DCM, "Medication Type")
5	>	CONTAINS	INCLUDE	DTID 9002 “Medication, Substance, Environmental Exposure”	1	U		$ContainerConcept = EV (111545, DCM, "Substance Use History") $CodeConcept = EV (111546, DCM, "Used Substance Type") $CodeValue = BCID 6089 “Substances”
6	>	CONTAINS	INCLUDE	DTID 9002 “Medication, Substance, Environmental Exposure”	1	U		$ContainerConcept = EV (111547, DCM, "Environmental Exposure History") $CodeConcept = EV (111548, DCM, "Environmental Factor")
7	>	CONTAINS	INCLUDE	DTID 9003 “Previous Procedure”	1	U		$LateralityValue = BCID 244 “Laterality”
8	>	CONTAINS	INCLUDE	DTID 9004 “Indicated Problem”	1	U		$LateralityValue = BCID 244 “Laterality”
9	>	CONTAINS	INCLUDE	DTID 9005 “Risk Factor”	1	U		$RiskList = BCID 6087 “General Risk Factors” $FamilyList = DCID 7451 “Family Member”
10	>	CONTAINS	INCLUDE	DTID 9001 “Gynecological History”	1	U		
11	>	CONTAINS	INCLUDE	DTID 9006 “Obstetric History”	1	U		
12	>	CONTAINS	INCLUDE	DTID 3802 “Cardiovascular Patient History”	1	U		
13	>	CONTAINS	INCLUDE	DTID 351 “Previous Reports”	1	U		

X-Ray Radiation Dose SR IOD Templates

The Templates that comprise the X-Ray Radiation Dose SR are interconnected as in Figure A-14.

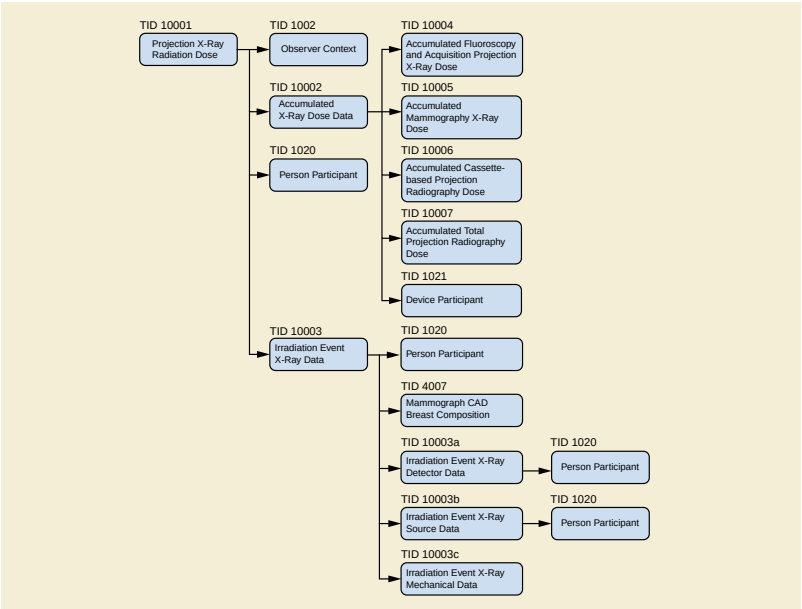

Figure A-14. X-Ray Radiation Dose SR IOD Template Structure

TID 10001 Projection X-Ray Radiation Dose

This Template defines a container (the root) with subsidiary Content Items, each of which represents a single projection X-Ray irradiation event entry or plane-specific dose accumulations. There is a defined recording observer (the system or person responsible for recording the log, generally the system). A Biplane irradiation event will be recorded as two individual events, one for each plane. Accumulated values will be kept separate for each plane.

Type: **Extensible**
Order: **Non-Significant**
Root: **Yes**

Table TID 10001. Projection X-Ray Radiation Dose

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113701, DCM, "X-Ray Radiation Dose Report")	1	M		Root node
1b	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	U		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		DT (113704, DCM, "Projection X-Ray") DT (71651007, SCT, "Mammography")
3	>>	HAS CONCEPT MOD	CODE	EV (363703001, SCT, "Has Intent")	1	M		DCID 3629 “Procedure Intent”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>	CONTAINS	CODE	EV (122142, DCM, "Acquisition Device Type")	1	U		DCID 10032 “Projection X-Ray Acquisition Device Types”
5	>		INCLUDE	DTID 1002 “Observer Context”	1-n	M		
6	>	HAS OBS CONTEXT	CODE	EV (113705, DCM, "Scope of Accumulation")	1	M		DCID 10000 “Scope of Accumulation”
7	>>	HAS PROPERTIES	UIDREF	DCID 10001 “UID Types”	1	M		
8	>	CONTAINS	CODE	EV (113945, DCM, "X-Ray Detector Data Available")	1	U		DCID 230 “Yes-No”
9	>	CONTAINS	CODE	EV (113943, DCM, "X-Ray Source Data Available")	1	U		DCID 230 “Yes-No”
10	>	CONTAINS	CODE	EV (113944, DCM, "X-Ray Mechanical Data Available")	1	U		DCID 230 “Yes-No”
11	>	CONTAINS	INCLUDE	DTID 10002 “Accumulated X-Ray Dose”	1	MC	IFF Single Plane system	$Plane = EV (113622, DCM, "Single Plane")
12	>	CONTAINS	INCLUDE	DTID 10002 “Accumulated X-Ray Dose”	1	MC	IFF Biplane system	$Plane = EV (113620, DCM, "Plane A")
13	>	CONTAINS	INCLUDE	DTID 10002 “Accumulated X-Ray Dose”	1	MC	IFF Biplane system	$Plane = EV (113621, DCM, "Plane B")
14	>	CONTAINS	INCLUDE	DTID 10003 “Irradiation Event X-Ray Data”	1-n	MC	IF any of the values of TID (10001) Row 18 are not (113858, DCM, "MPPS Content"), (113866, DCM, "Copied From Image Attributes") or (113867, DCM, "Computed From Image Attributes")	
15	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
16	>	CONTAINS	IMAGE	EV (121342, DCM, "Dose Image")	1-n	U		
17	>	CONTAINS	INCLUDE	DTID 1020 “Person Participant”	1	U		$PersonProcedureRole = EV (113850, DCM, "Irradiation Authorizing")
18	>	CONTAINS	CODE	EV (113854, DCM, "Source of Dose Information")	1-n	M		DCID 10020 “Source of Projection X-Ray Dose Information”

Content Item Descriptions

Row 2	"Projection X-Ray" refers to procedures performed on either integrated equipment (where information is passed between the X-Ray source (generator and tube), detector, and mechanical systems), or non-integrated equipment (where data might not be available for one or more components such as cassette-based systems). The data availability can be described in Rows 8, 9 and 10. The specific type of equipment can be described in Row 4. The coded term for "Mammography" is intended to encompass all types of projection X-Ray imaging of the breast. Note Mammography exams are distinguished by a different value in this attribute, Angiography exams are distinguished by the Irradiation Event Type attribute = Fluoroscopy, CR/DR exams are distinguished by one or more of the Data Availability Flags = No, and CT exams are distinguished by the use of a different Template.
Row 5	The observer context may include both a Person Observer identification, as well as the identity of the equipment providing the values for the irradiation event (Device Observer identification), if not inherited.
Row 8	A value of "No" indicates that details associated with the X-Ray Detector are not available to the device generating this report. For example, an X-Ray Source system might lack any communication with the associated cassette-based X-Ray detector or any method of entering such information. A value of "Yes" or the absence of this row means that the details are available.
Row 9	A value of "No" indicates that details associated with the X-Ray Source are not available to the device generating this report. For example, a cassette-based X-Ray detector might lack any communication with the associated X-Ray Source or any method of entering such information. A value of "Yes" or the absence of this row means that the details are available.
Row 10	A value of "No" indicates that details associated with the Gantry and/or Table are not available to the device generating this report. For example, a cassette-based X-Ray detector might lack any communication with the associated gantry/table or any method of entering such information. A value of "Yes" or the absence of this row means that the details are available.
Row 11	Cassette-based X-Ray systems should consider themselves to be Single Plane systems.
Row 14	Details of the underlying irradiation events. If Row 18 has a value of "MPPS Content" then a TID 10003 “Irradiation Event X-Ray Data” item may be generated for each item in the MPPS Exposure Dose Sequence (0040,030E), but since this is an optional element in MPPS, if it is absent, empty or incomplete, there may be no irradiation event level information available. Alternatively, the information may be copied or computed from the images.
Row 16	The Dose Image references a graphic representation of the radiation dose distribution. This may be a Secondary Capture scan of a dosimetry film.
Row 17	The physician responsible for determining that the irradiating procedure was appropriate for the indications. The value may come from Requesting Physician (0032,1032), Requesting Physician Identification Sequence (0032,1031) or somewhere else based on hospital policies.
Row 18	The primary source of information from which this dose object was constructed. The Source of Dose Information (Row 18) is independent of the Scope Of Accumulation (Row 6); e.g., it would be typical to have a scope of (113016, DCM, "Performed Procedure Step"), but a source of (113856, DCM, "Automated Data Collection") rather than (113858, DCM, "MPPS Content").

TID 10002 Accumulated X-Ray Dose

This general Template provides detailed information on projection X-Ray dose value accumulations over several irradiation events from the same equipment (typically a study or a performed procedure step).

Table TID 10002. Parameters

Parameter Name	Parameter Usage
$Plane	Coded term identifying to which acquisition plane the encoded information belongs.

Type: **Extensible**

Order: **Non-Significant**
Root: **No**

Table TID 10002. Accumulated X-Ray Dose

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113702, DCM, "Accumulated X-Ray Dose Data")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (113764, DCM, "Acquisition Plane")	1	M		$Plane
3	>	CONTAINS	CONTAINER	EV (122505, DCM, "Calibration")	1-n	MC	IFF Calibration Data is available	
4	>>	HAS CONCEPT MOD	CODE	EV (113794, DCM, "Dose Measurement Device")	1	M		DCID 10010 “Dose Measurement Devices”
5	>>	CONTAINS	DATETIME	EV (113723, DCM, "Calibration DateTime")	1	M		
6	>>	CONTAINS	NUM	EV (122322, DCM, "Calibration Factor")	1	M		UNITS = EV (1, UCUM, "no units")
7	>>	CONTAINS	NUM	EV (113763, DCM, "Calibration Uncertainty")	1	M		UNITS = EV (%, UCUM, "Percent")
8	>>	CONTAINS	TEXT	EV (113724, DCM, "Calibration Responsible Party")	1	M		
9	>>	CONTAINS	TEXT	EV (113720, DCM, "Calibration Protocol")	1	U		
10	>	CONTAINS	INCLUDE	DTID 10004 “Accumulated Fluoroscopy and Acquisition Projection X-Ray Dose”	1	MC	IFF TID 10001 Row 4 = (113957, DCM, "Fluoroscopy-Guided Projection Radiography System") or TID 10001 Row 2 = (113704, DCM, "Projection X-Ray") and TID 10001 Row 4 is absent)	
11	>	CONTAINS	INCLUDE	DTID 10005 “Accumulated Mammography X-Ray Dose”	1	MC	IFF TID 10001 Row 2 = (71651007, SCT, "Mammography")	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
12	>	CONTAINS	INCLUDE	DTID 10007 “Accumulated Total Projection Radiography Dose”	1	MC	IFF TID 10001 Row 4 = (113958, DCM, "Integrated Projection Radiography System") or TID (10001) Row 4 = (113957, DCM, "Fluoroscopy-Guided Projection Radiography System") or TID (10001) Row 2 = (113704, DCM, "Projection X-Ray") and TID (10001) Row 4 is absent)	
13	>	CONTAINS	INCLUDE	DTID 10006 “Accumulated Cassette-based Projection Radiography Dose”	1	MC	IFF TID 10001 Row 4 = (113959, DCM, "Cassette-based Projection Radiography System")	
14	>	CONTAINS	INCLUDE	DTID 1021 “Device Participant”	1	MC	Required if the irradiating device is not the recording device and the dose was accumulated on a single device.	$DeviceProcedureRole = EV (113859, DCM, "Irradiating Device")
15	>	CONTAINS	CODE	EV (128750, DCM, "Equipment Landmark")	1	U		EV (128751, DCM, "Center of Table Head")
16	>>	HAS PROPERTIES	NUM	EV (128752, DCM, "Equipment Landmark X Position")	1	M		UNITS = EV (mm, UCUM, "mm")
17	>>	HAS PROPERTIES	NUM	EV (128753, DCM, "Equipment Landmark Z Position")	1	M		UNITS = EV (mm, UCUM, "mm")
18	>	CONTAINS	CONTAINER	EV (128754, DCM, "Patient Location Fiducial")	1-n	U		
19	>>	CONTAINS	INCLUDE	DTID 400 “Reference Location”	1	M		
20	>>	HAS PROPERTIES	NUM	EV (128756, DCM, "Equipment Landmark to Patient Fiducial Z Distance")	1	M		UNITS = EV (mm, UCUM, "mm")

Content Item Descriptions

Row 5	Date that the calibration of the equipment's dose indicators was performed
Row 6	Typically a value provided by the medical physicist. The recorded dose or dose area product values in this report can be multiplied by this factor to obtain estimated real-world values. Note It is important that this value must not be applied to the measured values before storing them in the report.

Row 7	Value range from 0 to 100 percent. Uncertainty of the 'actual' value expressed as+/- of the mean.
Row 8	Identifies Individual or organization responsible for calibration
Row 9	Describes calibration protocol according to equipment standards or local guidelines.
Row 14	The device that produced the irradiation accumulated in this Template. I.e., the X-Ray source. This is not required to be present if the information is the same as that already recorded in TID 1004 “Device Observer Identifying Attributes” encoded via the inclusion of TID 1002 “Observer Context” in TID 10001 “Projection X-Ray Radiation Dose” Row 5, which in turn may be absent if identical to the content in the Enhanced General Equipment Module, or if more than one device produced the accumulated irradiation.
Rows 16 and 17	These coordinates relate a visible landmark on the X-Ray table to the Table Reference Point that is arbitrarily defined by the manufacturer and not necessarily visible to the operator. The Equipment Landmark Y Position is not recorded since it is, by definition, in the plane of the table as is the origin of the Table Coordinate System so the value would always be zero.
Row 19	In many instances, the values will be either: • EV (128772, DCM, "Reference Basis") [1341] = (88986008, SCT, "Vertex of Head") with EV (128773, DCM, "Reference Geometry") [1341] = (128120, DCM, "Plane through Superior Extent") [1326], or • EV (128772, DCM, "Reference Basis") [1341] = (56459004, SCT, "Foot") with EV (128773, DCM, "Reference Geometry") [1341] = (128121, DCM, "Plane through Inferior Extent") [1326]
Row 20	This distance (likely recorded by the operator) locates the patient with respect to an X-Ray table landmark. The patient is assumed to be centered in the left-right axis of the X-Ray table.

TID 10003 Irradiation Event X-Ray Data

This Template conveys the dose and equipment parameters of a single irradiation event.

The Template and requirements are structured to consider equipment with various levels of integration between the components (X-Ray Source, Plate or Detector, and Gantry/Table) of the equipment.

An irradiation event is the loading of X-Ray equipment caused by a single continuous actuation of the equipment's irradiation switch, from the start of the loading time of the first pulse until the loading time trailing edge of the final pulse. The irradiation event is the "smallest" information entity to be recorded in the realm of Radiation Dose reporting. Individual Irradiation Events are described by a set of accompanying physical parameters that are sufficient to understand the "quality" of irradiation that is being applied. This set of parameters may be different for the various types of equipment that are able to create irradiation events. Any automatic on-off switching of the irradiation source during the event shall not be treated as separate events, rather the event includes the time between start and stop of irradiation as triggered by the user. E.g., a pulsed fluoro X-Ray acquisition shall be treated as a single irradiation event.

As described in Section 6.2.4, measurement concepts may be post-coordinated, even though not explicitly specified in the Template. In particular, post-coordination using modifier concept (121401, DCM, "Derivation"), with modifier values drawn from CID 10009 “Measured/Calculated” would be appropriate to encode indications of measured or of calculated values.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 10003. Irradiation Event X-Ray Data

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113706, DCM, "Irradiation Event X-Ray Data")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (113764, DCM, "Acquisition Plane")	1	M		DCID 10003 “Equipment Plane Identification”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	UIDREF	EV (113769, DCM, "Irradiation Event UID")	1	M		
4	>	CONTAINS	TEXT	EV (113605, DCM, "Irradiation Event Label")	1	U		
5	>>	HAS CONCEPT MOD	CODE	EV (113606, DCM, "Label Type")	1	MC	IF the value of Row 4 is the value of an Attribute in the images.	DCID 10022 “Label Types”
6	>	CONTAINS	DATETIME	DT (111526, DCM, "DateTime Started")	1	M		
7	>	CONTAINS	CODE	EV (113721, DCM, "Irradiation Event Type")	1	M		DCID 10002 “Irradiation Event Types”
8	>	CONTAINS	TEXT	EV (125203, DCM, "Acquisition Protocol")	1	U		
11	>	CONTAINS	CODE	EV (111031, DCM, "Image View")	1	U		DCID 4010 “DX View” DCID 4014 “View for Mammography”
12	>>	HAS CONCEPT MOD	CODE	EV (111032, DCM, "Image View Modifier")	1-n	U		DCID 4011 “DX View Modifier” DCID 4015 “View Modifier for Mammography”
13	>>	CONTAINS	CODE	EV (113946, DCM, "Projection Eponymous Name")	1	U		DCID 4012 “Projection Eponymous Name”
14	>	CONTAINS	CODE	EV (113745, DCM, "Patient Table Relationship")	1	U		DCID 21 “Patient Equipment Relationship”
15	>	CONTAINS	CODE	EV (113743, DCM, "Patient Orientation")	1	U		DCID 19 “Patient Orientation”
16	>>	HAS CONCEPT MOD	CODE	EV (113744, DCM, "Patient Orientation Modifier")	1	M		DCID 20 “Patient Orientation Modifier”
17	>	CONTAINS	CODE	EV (123014, DCM, "Target Region")	1	M		DCID 4031 “Common Anatomic Regions”
17b	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	UC	If anatomy is bi-lateral	DCID 244 “Laterality”
18	>	CONTAINS	NUM	EV (122130, DCM, "Dose Area Product")	1	MC	IFF TID 10001 Row 2 = (113704, DCM, "Projection X-Ray")	UNITS = EV (Gy.m2, UCUM, "Gy.m2")
19	>	CONTAINS	NUM	EV (111634, DCM, "Half Value Layer")	1	U		UNITS = EV (mm, UCUM, "mm")
20	>	CONTAINS	NUM	EV (111638, DCM, "Patient Equivalent Thickness")	1	U		UNITS = EV (mm, UCUM, "mm")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
21	>	CONTAINS	NUM	EV (111636, DCM, "Entrance Exposure at RP")	1	MC	IF TID 10001 Row 2 = (71651007, SCT, "Mammography") and (TID (10001) Row 9 is absent or value is (373066001, SCT, "Yes")) and (TID (10001) Row 10 is absent or value is (373066001, SCT, "Yes"))	UNITS = EV (mGy, UCUM, "mGy")
22	>	CONTAINS	TEXT	EV (113780, DCM, "Reference Point Definition")	1	MC	IF Row 21 is present and Row 23 is not present	
23	>	CONTAINS	CODE	EV (113780, DCM, "Reference Point Definition")	1	MC	IF Row 21 is present and Row 22 is not present	DCID 10025 “Radiation Dose Reference Points”
24	>	CONTAINS	INCLUDE	DTID 4007 “Mammography CAD Breast Composition”	1	U		
25	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
26	>	CONTAINS	INCLUDE	DTID 1020 “Person Participant”	1-n	U		$PersonProcedureRole = EV (113851, DCM, "Irradiation Administering")
27	>	CONTAINS	INCLUDE	DTID 10003A “Irradiation Event X-Ray Detector Data”	1	MC	IFF TID 10001 Row 8 is absent or has a value of (373066001, SCT, "Yes")	
28	>	CONTAINS	INCLUDE	DTID 10003B “Irradiation Event X-Ray Source Data”	1	MC	IFF TID 10001 Row 9 is absent or has a value of (373066001, SCT, "Yes")	
29	>	CONTAINS	INCLUDE	DTID 10003C “Irradiation Event X-Ray Mechanical Data”	1	MC	IFF TID 10001 Row 10 is absent or has a value of (373066001, SCT, "Yes")	

Content Item Descriptions

Row 3	If the image generating entity does not assign a DICOM UID to the irradiation event (e.g., for non-digital imaging equipment), the application generating this report shall assign a UID. In the case of non-integrated cassette-based equipment, a standalone Detector will generate UIDs for the Events it observes. If the X-Ray Source component of the equipment also reports information, it too will generate UIDs for the Events it creates. A downstream system (e.g., a workstation or the Dose Information Reporter itself) may combine the two reports into a composite report, and match up the events based on details such as the time information, and use the UIDs of the X-Ray Source.

Row 6	The DateTime that the application of X-Rays started for this irradiation event. This shall correspond to the start of the first irradiation in the Irradiation Event, which defines the starting point for the calculation of Row 36 "Irradiation Duration".
Row 17	The target region is the anatomy exposed.
Row 17b	Previously, a CODE content item (91723000, SCT, "Anatomical structure") along with CODE concept modifier (272741003, SCT, "Laterality") were used to identify bilateral anatomy. This duplicated the function of Row 17 and was retired. See PS3.16 2017c.
Row 21	A text definition of the Reference Point (RP) used for RP-related dose values.
Row 22	A coded definition of the Reference Point (RP) used for RP-related dose values
Row 26	People responsible for the administration of the radiation reported in the irradiation event. May include values that would appear in Performing Physicians' Name (0008,1050), Performing Physician Identification Sequence (0008,1052), Operators' Name (0008,1070) and/or Operator Identification Sequence (0008,1072).

TID 10003A Irradiation Event X-Ray Detector Data

This Template contains data that is expected to be available to the X-Ray detector or plate reader component of the equipment.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 10003A. Irradiation Event X-Ray Detector Data

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	EV (113845, DCM, "Exposure Index")	1	MC	IF the value is displayable to the X-Ray system operator.	UNITS = EV (1, UCUM, "no units")
2			NUM	EV (113846, DCM, "Target Exposure Index")	1	MC	IF the value is displayable to the X-Ray system operator.	UNITS = EV (1, UCUM, "no units")
3			NUM	EV (113847, DCM, "Deviation Index")	1	MC	IF the value is displayable to the X-Ray system operator.	UNITS = EV (1, UCUM, "no units")
4			INCLUDE	DTID 1021 “Device Participant”	1	U		$DeviceProcedureRole = EV (113942, DCM, "X-Ray Reading Device")
5			IMAGE	EV (113795, DCM, "Acquired Image")	1-n	MC	IFF Image Object is created for this irradiation event	

Content Item Descriptions

Row 4	The device that read the detector of this Irradiation Event. E.g., the CR Plate Reader.
Row 5	Reference to Image instances created during this event, if any. The UID reference(s) provided here shall be the values at the time the images were initially created. (Note that image UIDs may be changed as the images are managed over a long term.)

TID 10003B Irradiation Event X-Ray Source Data

This Template contains data that is expected to be available to the X-Ray source component of the equipment.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 10003B. Irradiation Event X-Ray Source Data

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	EV (113738, DCM, "Dose (RP) ")	1	MC	IF TID 10001 Row 2 = (113704, DCM, "Projection X-Ray") AND any of the values of TID (10001) Row 18 are not (113858, DCM, "MPPS Content")	UNITS = EV (Gy, UCUM, "Gy")
2			TEXT	EV (113780, DCM, "Reference Point Definition")	1	MC	IF Row 1 is present and Row 3 is not present	
3			CODE	EV (113780, DCM, "Reference Point Definition")	1	MC	IF Row 1 is present and Row 2 is not present	DCID 10025 “Radiation Dose Reference Points”
4			NUM	EV (111631, DCM, "Average Glandular Dose")	1	MC	IFF TID 10001 Row 2 = (71651007, SCT, "Mammography")	UNITS = EV (mGy, UCUM, "mGy")
5			CODE	EV (113732, DCM, "Fluoro Mode")	1	UC	IFF TID 10003 Row 7 value = (44491008, SCT, "Fluoroscopy")	DCID 10004 “Fluoro Modes”
6			NUM	EV (113791, DCM, "Pulse Rate")	1	MC	IFF Row 5 value = (113631, DCM, "Pulsed")	UNITS = EV ({pulse}/s, UCUM, "pulse/s")
7			NUM	EV (113768, DCM, "Number of Pulses")	1	MC	IFF Row 5 is not present or Row 5 is present and equals (113631, DCM, "Pulsed")	UNITS = EV (1, UCUM, "no units")
8	>	HAS CONCEPT MOD	CODE	EV (121401, DCM, "Derivation")	1	MC	IFF count of pulses in Row 7 is estimated	EV (414135002, SCT, "Estimated")
9			NUM	EV (113793, DCM, "Pulse Width")	1-n	U		UNITS = EV (ms, UCUM, "ms")
10			NUM	EV (113742, DCM, "Irradiation Duration")	1	U		UNITS = EV (s, UCUM, "s")
11			NUM	EV (113733, DCM, "KVP")	1-n	M		UNITS = EV (kV, UCUM, "kV")
12			NUM	EV (113734, DCM, "X-Ray Tube Current")	1-n	MC	IF Row 15 is not present	UNITS = EV (mA, UCUM, "mA")
13			NUM	EV (113767, DCM, "Average X-Ray Tube Current")	1	U		UNITS = EV (mA, UCUM, "mA")
14			NUM	EV (113824, DCM, "Exposure Time")	1	MC	IF Row 15 is not present	UNITS = EV (ms, UCUM, "ms")
15			NUM	EV (113736, DCM, "Exposure")	1-n	MC	IF Row 12 or 14 is not present	UNITS = EV (uA.s, UCUM, "uA.s")
16			NUM	EV (113766, DCM, "Focal Spot Size")	1	U		UNITS = EV (mm, UCUM, "mm")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
17			CODE	EV (111632, DCM, "Anode Target Material")	1	U		DCID 10016 “Anode Target Material”
18			CONTAINER	EV (113771, DCM, "X-Ray Filters")	1-n	U		
19	>	CONTAINS	CODE	EV (113772, DCM, "X-Ray Filter Type")	1	U		DCID 10007 “X-Ray Filter Types”
20	>	CONTAINS	CODE	EV (113757, DCM, "X-Ray Filter Material")	1	U		DCID 10006 “X-Ray Filter Materials”
21	>	CONTAINS	NUM	EV (113758, DCM, "X-Ray Filter Thickness Minimum")	1	U		UNITS = EV (mm, UCUM, "mm")
22	>	CONTAINS	NUM	EV (113773, DCM, "X-Ray Filter Thickness Maximum")	1	U		UNITS = EV (mm, UCUM, "mm")
23			NUM	EV (113790, DCM, "Collimated Field Area")	1	U		UNITS = EV (m2, UCUM, "m2")
24			NUM	EV (113788, DCM, "Collimated Field Height")	1	U		UNITS = EV (mm, UCUM, "mm")
25			NUM	EV (113789, DCM, "Collimated Field Width")	1	U		UNITS = EV (mm, UCUM, "mm")
26			CODE	EV (111635, DCM, "X-Ray Grid")	1-n	U		DCID 10017 “X-Ray Grid”
27			INCLUDE	DTID 1021 “Device Participant”	1	MC	Required if the irradiating device is not the recording device.	$DeviceProcedureRole = EV (113859, DCM, "Irradiating Device")

Content Item Descriptions

Row 1	Dose applied by this irradiation event, relative to defined reference point.
Row 7	If a precise count of pulses is not available, an estimated number shall be provided, and the Row 8 Concept Modifier shall indicate "Estimated"
Row 9	Pulse width as measured/recorded by the system, either as a single total value, or as multiple values. If multiple values are provided, their number shall match the value in Row 7 "Number of Pulses".
Row 11	KVP value as measured/recorded by system, either as a single mean value, or as multiple values. If multiple values are provided, their number shall match the value in Row 7 "Number of Pulses".
Row 12	Tube current as measured/recorded by system, either as a single mean value, or as multiple values. If multiple values are provided, their number shall match the value in Row 7 "Number of Pulses".
Row 14	Exposure time as measured/recorded by the system.
Row 15	Exposure as measured/recorded by system, either as a single total value, or as multiple values. If multiple values are provided, their number shall match the value in Row 7 "Number of Pulses". The Exposure will be affected by the shape of the pulse and other factors, and may not be a simple multiplication of tube current and exposure time.
Row 18	If one or more Filter(s) were applied during this irradiation event
Row 23	Collimated area at the receptor plane.
Row 27	The device that produced the irradiation in this Irradiation Event. I.e., the X-Ray source. This is not required to be present if the information is the same as that already recorded in TID 1004 “Device Observer Identifying Attributes” encoded via the inclusion of TID 1002 “Observer Context” in TID 10001 “Projection X-Ray Radiation Dose” Row 5, which in turn may be absent if identical to the content in the Enhanced General Equipment Module.

TID 10003C Irradiation Event X-Ray Mechanical Data

This Template contains data that is expected to be available to the gantry or mechanical component of the equipment.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 10003C. Irradiation Event X-Ray Mechanical Data

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (113956, DCM, "CR/DR Mechanical Configuration")	1	U		DCID 10031 “CR/DR Mechanical Configuration”
2			NUM	EV (112011, DCM, "Positioner Primary Angle")	1	UC	XOR Row 6	UNITS = EV (deg, UCUM, "deg")
3			NUM	EV (112012, DCM, "Positioner Secondary Angle")	1	UC	XOR Row 6	UNITS = EV (deg, UCUM, "deg")
4			NUM	EV (113739, DCM, "Positioner Primary End Angle")	1	UC	IFF TID 10003 Row 7 value = (113613, DCM, "Rotational Acquisition")	UNITS = EV (deg, UCUM, "deg")
5			NUM	EV (113740, DCM, "Positioner Secondary End Angle")	1	UC	IFF TID 10003 Row 7 value = (113613, DCM, "Rotational Acquisition")	UNITS = EV (deg, UCUM, "deg")
6			NUM	EV (113770, DCM, "Column Angulation")	1	UC	XOR Rows 2, 3	UNITS = EV (deg, UCUM, "deg")
7			NUM	EV (113754, DCM, "Table Head Tilt Angle")	1	U		UNITS = EV (deg, UCUM, "deg")
8			NUM	EV (113755, DCM, "Table Horizontal Rotation Angle")	1	U		UNITS = EV (deg, UCUM, "deg")
9			NUM	EV (113756, DCM, "Table Cradle Tilt Angle")	1	U		UNITS = EV (deg, UCUM, "deg")
10			NUM	EV (111633, DCM, "Compression Thickness")	1	U		UNITS = EV (mm, UCUM, "mm")
10a			NUM	EV (111647, DCM, "Compression Force")	1	U		UNITS = EV (N, UCUM, "Newton")
10b			NUM	EV (111648, DCM, "Compression Pressure")	1	U		UNITS = EV (kPa, UCUM, "kilopascal")
10c			NUM	EV (111649, DCM, "Compression Contact Area")	1	U		UNITS = EV (mm2, UCUM, "mm2")
11			NUM	DCID 10008 “Dose Related Distance Measurements”	1-n	U		UNITS = EV (mm, UCUM, "mm")
12			NUM	EV (128757, DCM, "Positioner Isocenter Primary Angle")	1	U		UNITS = EV (deg, UCUM, "deg")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
13			NUM	EV (128758, DCM, "Positioner Isocenter Secondary Angle")	1	U		UNITS = EV (deg, UCUM, "deg")
14			NUM	EV (128759, DCM, "Positioner Isocenter Detector Rotation Angle")	1	U		UNITS = EV (deg, UCUM, "deg")
15			NUM	EV (128760, DCM, "Positioner Isocenter Primary End Angle")	1	U		UNITS = EV (deg, UCUM, "deg")
16			NUM	EV (128761, DCM, "Positioner Isocenter Secondary End Angle")	1	U		UNITS = EV (deg, UCUM, "deg")
17			NUM	EV (128762, DCM, "Positioner Isocenter Detector Rotation End Angle")	1	U		UNITS = EV (deg, UCUM, "deg")
18			NUM	EV (128763, DCM, "Table Head Tilt End Angle")	1	U		UNITS = EV (deg, UCUM, "deg")
19			NUM	EV (128764, DCM, "Table Horizontal Rotation End Angle")	1	U		UNITS = EV (deg, UCUM, "deg")
20			NUM	EV (128765, DCM, "Table Cradle Tilt End Angle")	1	U		UNITS = EV (deg, UCUM, "deg")

Content Item Descriptions

Row 2	Angle in patient's "equatorial" plane (LAO to RAO). For dynamically changing angle during the event, the start value shall be provided. Equivalent to (0018,1510) in an image instance.
Row 3	Angle in patient's "sagittal" plane (CRAN to CAUD). For dynamically changing angle during the event, the start value shall be provided. Equivalent to (0018,1511) in an image instance.
Row 4	In case of motion during irradiation event, Positioner Primary ending angle
Row 5	In case of motion during irradiation event., Positioner Secondary ending angle
Row 6	Column device Angle in equipment based coordinates
Rows 12 to 20	Refer to the definitions of the X-Ray Isocenter Reference System (“X-Ray Isocenter Reference System Macro” in PS3.3).

TID 10004 Accumulated Fluoroscopy and Acquisition Projection X-Ray Dose

This general Template provides detailed information on projection X-Ray dose value accumulations over several irradiation events from the same equipment (typically a study or a performed procedure step).

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 10004. Accumulated Fluoroscopy and Acquisition Projection X-Ray Dose

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	EV (113726, DCM, "Fluoro Dose Area Product Total")	1	MC	IFF TID 10003 Row 7 value = (44491008, SCT, "Fluoroscopy") for at least one irradiation event	UNITS = EV (Gy.m2, UCUM, "Gy.m2")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2			NUM	EV (113728, DCM, "Fluoro Dose (RP) Total")	1	MC	IFF TID 10003 Row 7 value = (44491008, SCT, "Fluoroscopy") for at least one irradiation event AND any of the values of TID (10001) Row 18 are not (113858, DCM, "MPPS Content").	UNITS = EV (Gy, UCUM, "Gy")
3			NUM	EV (113730, DCM, "Total Fluoro Time")	1	MC	IFF TID 10003 Row 7 value = (44491008, SCT, "Fluoroscopy") for at least one irradiation event.	UNITS = EV (s, UCUM, "s")
4			NUM	EV (113727, DCM, "Acquisition Dose Area Product Total")	1	MC	IF any of the values of TID (10001) Row 18 are not (113858, DCM, "MPPS Content").	UNITS = EV (Gy.m2, UCUM, "Gy.m2")
5			NUM	EV (113729, DCM, "Acquisition Dose (RP) Total")	1	MC	IF any of the values of TID (10001) Row 18 are not (113858, DCM, "MPPS Content").	UNITS = EV (Gy, UCUM, "Gy")
6			NUM	EV (113855, DCM, "Total Acquisition Time")	1	MC	IF any of the values of TID (10001) Row 18 are not (113858, DCM, "MPPS Content").	UNITS = EV (s, UCUM, "s")

Content Item Descriptions

Rows 1-3	Fluoroscopic component only
Row 3	Total clock time of Fluoroscopy accumulated over the defined scope of accumulation (i.e., the sum of the Irradiation Duration values for accumulated fluoroscopy irradiation events)
Rows 4-6	Acquisition component only
Row 6	Total clock time of acquisitions accumulated over the defined scope of accumulation (i.e., the sum of the Irradiation Duration values for accumulated acquisition irradiation events)

TID 10005 Accumulated Mammography X-Ray Dose

This modality specific Template provides detailed information on breast imaging projection X-Ray dose value accumulations over several irradiation events from the same equipment (typically a study or a performed procedure step).

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 10005. Accumulated Mammography X-Ray Dose

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	EV (111637, DCM, "Accumulated Average Glandular Dose")	1-2	M		UNITS = EV (mGy, UCUM, "mGy")
2	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	M		DCID 6022 “Side”

TID 10006 Accumulated Cassette-based Projection Radiography Dose

This Template provides information on Projection Radiography dose values accumulated on Cassette-based systems over one or more irradiation events (typically a study or a performed procedure step) from the same equipment.

Type: **Extensible**
Order: **Non-Significant**

Root: **No**

Table TID 10006. Accumulated Cassette-Based Projection Radiography Dose

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CODE	EV (113947, DCM, "Detector Type")	1	MC	IF TID 10001 Row 8 is absent or value is (373066001, SCT, "Yes")	DCID 10030 “Detector Types”
2			NUM	EV (113731, DCM, "Total Number of Radiographic Frames")	1	MC	IF TID 10001 Row 8 is absent or value is (373066001, SCT, "Yes")	UNITS = EV (1, UCUM, "no units")

Content Item Descriptions

Row 2	The number of radiographic frames recorded by the X-Ray detector or the number of exposures recorded by the X-Ray source, whichever is known to be greater.

TID 10007 Accumulated Total Projection Radiography Dose

This Template provides information on total Projection Radiography dose values accumulated on Integrated or combined fluoroscopy/acquisition systems over one or more irradiation events (typically a study or a performed procedure step) from the same equipment.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 10007. Accumulated Total Projection Radiography Dose

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	EV (113722, DCM, "Dose Area Product Total")	1	M		UNITS = EV (Gy.m2, UCUM, "Gy.m2")
2			NUM	EV (113725, DCM, "Dose (RP) Total")	1	MC	IF TID 10001 Row 4 = (113958, DCM, "Integrated Projection Radiography System") or any of the values of TID (10001) Row 18 are not (113858, DCM, "MPPS Content").	UNITS = EV (Gy, UCUM, "Gy")
3			NUM	EV (113737, DCM, "Distance Source to Reference Point")	1	U		UNITS = EV (mm, UCUM, "mm")
4			NUM	EV (113731, DCM, "Total Number of Radiographic Frames")	1	U		UNITS = EV (1, UCUM, "no units")
5			CODE	EV (113780, DCM, "Reference Point Definition")	1	MC	IF any of (113725, DCM, "Dose (RP) Total"), (113728, DCM, "Fluoro Dose (RP) Total") or (113729, DCM, "Acquisition Dose (RP) Total") are present, and Row 6 is not present.	DCID 10025 “Radiation Dose Reference Points”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6			TEXT	EV (113780, DCM, "Reference Point Definition")	1	MC	IF any of (113725, DCM, "Dose (RP) Total"), (113728, DCM, "Fluoro Dose (RP) Total") or (113729, DCM, "Acquisition Dose (RP) Total") are present, and Row 5 is not present.	

Content Item Descriptions

Row 1	Accumulated Dose Area Product
Row 2	Accumulated dose relative to reference point.
Row 3	A single value for Radiography systems calculating reference point dose based on fixed distance.
Row 5	A coded definition of the Reference Point (RP) used for RP-related dose values.
Row 6	A text definition of the Reference Point (RP) used for RP-related dose values.

CT Radiation Dose SR IOD Templates

The Templates that comprise the CT Radiation Dose SR are interconnected as in Figure A-15.

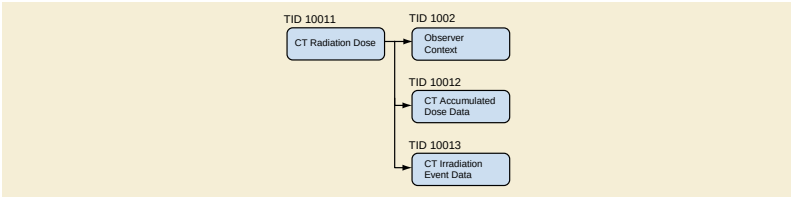

Figure A-15. CT Radiation Dose SR IOD Template Structure

TID 10011 CT Radiation Dose

This Template defines a container (the root) with subsidiary Content Items, each of which corresponds to a single CT X-Ray irradiation event entry. There is a defined recording observer (the system or person responsible for recording the log, generally the system). Accumulated values shall be kept for a whole Study or at least a part of a Study, if the Study is divided in the workflow of the examination, or a performed procedure step. Multiple CT Radiation Dose objects may be created for one Study.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 10011. CT Radiation Dose

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113701, DCM, "X-Ray Radiation Dose Report")	1	M		Root node
1b	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	U		
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		EV (77477000, SCT, "Computed Tomography X-Ray")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>>	HAS CONCEPT MOD	CODE	EV (363703001, SCT, "Has Intent")	1	M		DCID 3629 “Procedure Intent”
4	>		INCLUDE	DTID 1002 “Observer Context”	1-n	M		
5	>	HAS OBS CONTEXT	DATETIME	EV (113809, DCM, "Start of X-Ray Irradiation")	1	M		
6	>	HAS OBS CONTEXT	DATETIME	EV (113810, DCM, "End of X-Ray Irradiation")	1	M		
7	>	HAS OBS CONTEXT	CODE	EV (113705, DCM, "Scope of Accumulation")	1	M		DCID 10000 “Scope of Accumulation”
8	>>	HAS PROPERTIES	UIDREF	DCID 10001 “UID Types”	1	M		
9	>	CONTAINS	INCLUDE	DTID 10012 “CT Accumulated Dose Data”	1	M		
10	>	CONTAINS	INCLUDE	DTID 10013 “CT Irradiation Event Data”	1-n	M		
11	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
12	>	CONTAINS	CODE	EV (113854, DCM, "Source of Dose Information")	1-n	M		DCID 10021 “Source of CT Dose Information”
13	>	CONTAINS	INCLUDE	DTID 1020 “Person Participant”	1	U		$PersonProcedureRole = EV (113850, DCM, "Irradiation Authorizing")

Content Item Descriptions

Row 4	The observer context may include both a Person Observer identification, as well as the identity of the equipment providing the values for the irradiation event (Device Observer identification), if not inherited.
Row 5	Start, DateTime of the first CT Irradiation Event of the accumulation
Row 6	End, DateTime of the last CT Irradiation Event of the accumulation
Row 12	The primary source of information from which this dose object was constructed.
Row 13	The physician responsible for determining that the irradiating procedure was appropriate for the indications. The value may come from Requesting Physician (0032,1032), Requesting Physician Identification Sequence (0032,1031) or somewhere else based on hospital policies.

TID 10012 CT Accumulated Dose Data

This general Template provides detailed information on CT X-Ray dose value accumulations over several irradiation events from the same equipment and over the scope of accumulation specified for the report (typically a Study or a Performed Procedure Step).

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 10012. CT Accumulated Dose Data

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113811, DCM, "CT Accumulated Dose Data")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	CONTAINS	NUM	EV (113812, DCM, "Total Number of Irradiation Events")	1	M		UNITS = EV ({events}, UCUM, "events")
3	>	CONTAINS	NUM	EV (113813, DCM, "CT Dose Length Product Total")	1	M		UNITS = EV (mGy.cm, UCUM, "mGy.cm")
4	>	CONTAINS	NUM	EV (113814, DCM, "CT Effective Dose Total")	1	U		UNITS = EV (mSv, UCUM, "mSv")
5	>>	HAS PROPERTIES	TEXT	EV (121406, DCM, "Reference Authority")	1	MC	XOR row 6	
6	>>	HAS PROPERTIES	CODE	EV (121406, DCM, "Reference Authority")	1	MC	XOR row 5	DCID 10015 “CT Dose Reference Authorities”
7	>>	HAS CONCEPT MOD	CODE	EV (370129005, SCT, "Measurement Method")	1	M		DCID 10011 “Effective Dose Evaluation Method”
8	>>	HAS PROPERTIES	TEXT	EV (113815, DCM, "Patient Model")	1	MC	IF the value of row 7 equals (113800, DCM, "DLP to E conversion via MC computation") or equals (113801, DCM, "CTDIfreeair to E conversion via MC computation")	
9	>>	HAS PROPERTIES	CONTAINER	EV (113816, DCM, "Condition Effective Dose measured")	1	MC	IF the value of row 7 equals (113802, DCM, "DLP to E conversion via measurement") or equals (113803, DCM, "CTDIfreeair to E conversion via measurement")	
10	>>>	CONTAINS	TEXT	EV (113817, DCM, "Effective Dose Phantom Type")	1	M		
11	>>>	CONTAINS	TEXT	EV (113818, DCM, "Dosimeter Type")	1	M		
12	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
13	>	CONTAINS	INCLUDE	DTID 1021 “Device Participant”	1	MC	Required if the irradiating device is not the recording device and the dose was accumulated on a single device.	$DeviceProcedureRole = EV (113859, DCM, "Irradiating Device")

Content Item Descriptions

Rows 5, 6	Total Number of CT irradiation events. A CT irradiation event is one continuous irradiation procedure and is defined through consistent acquisition parameters. In the case of dose modulation the calculations are based on the effective parameters (e.g., the effective mA recorded in the Mean X-Ray Tube Current), and these acquisition parameters are consistent.
Rows 5, 6	The Dose Length Product (DLP) is calculated for every irradiation event. The Dose Length Product Total is the sum of the DLP values. The calculation is based on the $CTDI_{vol}$ result of each irradiation event.
Rows 5, 6	Effective dose (E, in units of mSv) evaluated as a total over the scope is defined in Row 6 of Template TID 10011 “CT Radiation Dose”. Effective dose is defined by the reference in Rows 5 or 6 of this Template. It may be calculated from a product of DLP and an 'Effective Dose Conversion Factor' (E/DLP). Or it may be calculated from a product of the Mean CTDIfreeair and the ratio E/CTDIfreeair. The ratios E/DLP or E/CTDIfreeair may be evaluated either from computer simulations applying Monte Carlo (MC) sampling techniques or from dosimetric measurements in an anthropomorphic phantom, e.g., the Alderson-Rando phantom.. The specific method used is identified in Rows 7 through 11.
Row 5 - 6	Reference of the base publication defining the Effective Dose, either as a coded value, or a textual bibliographic reference. ICRP Publications shall be referenced using their assigned coded values.
Row 7	Description of the method used for Effective Dose evaluations.
Row 8	Description of the reference-patient mathematical or computational model used when Effective Dose is derived via Monte Carlo simulations of radiation transport in such models. Examples of publications that specify particular reference patient models are NUREG/CR-1159, ORNL/NUREG/TM-367 (1980); NRPB-R186 (1985); GSF-Bericht S-885 (1986); Fill et al., Health Physics Vol. 86 (3): 253-272 (2004).
Row 9	Description of the condition Effective Dose measured
Row 10	Type of Effective Dose phantom used, e.g., Alderson-Rando
Row 11	Type of dosimeter used, e.g., TLD (Thermo Luminescence Dosimeter)
Row 13	The device that produced the irradiation accumulated in this Template. I.e., the CT Scanner. This is not required to be present if the information is the same as that already recorded in TID 1004 “Device Observer Identifying Attributes” encoded via the inclusion of TID 1002 “Observer Context” in TID 10011 “CT Radiation Dose” Row 4, which in turn may be absent if identical to the content in the Enhanced General Equipment Module, or if more than one device produced the accumulated irradiation.

TID 10013 CT Irradiation Event Data

This Template conveys the dose and equipment parameters of a single irradiation event.

A CT irradiation event is the loading of X-Ray equipment caused by a single continuous actuation of the equipment's irradiation switch, from the start of the loading time of the first pulse until the loading time trailing edge of the final pulse. Any on-off switching of the radiation source during the event shall not be treated as separate events; rather the event includes the time between start and stop of radiation as triggered by the user, e.g., a single sequence of scanning comprised of multiple slices acquired with successive tube rotations and table increments shall be treated as a single irradiation event. Depending on the examination workflow and the anatomical target region the CT irradiation event data may split into multiple instances of this Template for better dose estimation. The irradiation event is the "smallest" information entity to be recorded in the realm of Radiation Dose reporting. Individual Irradiation Events are described by a set of accompanying physical parameters that are sufficient to understand the "quality" of irradiation that is being applied. This set of parameters may be different for the various types of equipment that are able to create irradiation events.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 10013. CT Irradiation Event Data

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113819, DCM, "CT Acquisition")	1	M		
2	>	CONTAINS	TEXT	EV (125203, DCM, "Acquisition Protocol")	1	U		
3	>	CONTAINS	CODE	EV (123014, DCM, "Target Region")	1	M		DCID 4030 “CT, MR and PET Anatomy Imaged”
4	>	CONTAINS	CODE	EV (113820, DCM, "CT Acquisition Type")	1	M		DCID 10013 “CT Acquisition Type”
4b	>>	HAS PROPERTIES	CODE	EV (113961, DCM, "Reconstruction Algorithm")	1-n	U		DCID 10033 “CT Reconstruction Algorithm”
5	>	CONTAINS	CODE	EV (408730004, SCT, "Procedure Context")	1	U		DCID 10014 “Contrast Imaging Technique”
6	>	CONTAINS	UIDREF	EV (113769, DCM, "Irradiation Event UID")	1	M		
6b	>	CONTAINS	TEXT	EV (113605, DCM, "Irradiation Event Label")	1	U		
6c	>>	HAS CONCEPT MOD	CODE	EV (113606, DCM, "Label Type")	1	MC	IF the value of Row 6b is the value of an Attribute in the images.	DCID 10022 “Label Types”
6d	>	CONTAINS	CODE	EV (128551, DCM, "Is Repeated Acquisition")	1	U		DCID 230 “Yes-No”
6e	>>	HAS CONCEPT MOD	CODE	EV (128552, DCM, "Reason for Repeating Acquisition")	1	M		DCID 10034 “Reason for Repeating Acquisition”
6f	>	CONTAINS	DATETIME	EV (111526, DCM, "DateTime Started")	1	U		
7	>	CONTAINS	CONTAINER	EV (113822, DCM, "CT Acquisition Parameters")	1	M		
8	>>	CONTAINS	NUM	EV (113824, DCM, "Exposure Time")	1	M		UNITS = EV (s, UCUM, "s")
9	>>	CONTAINS	INCLUDE	DTID 10014 “Scanning Length”	1	M		
10	>>	CONTAINS	NUM	EV (113826, DCM, "Nominal Single Collimation Width")	1	M		UNITS = EV (mm, UCUM, "mm")
11	>>	CONTAINS	NUM	EV (113827, DCM, "Nominal Total Collimation Width")	1	M		UNITS = EV (mm, UCUM, "mm")
12	>>	CONTAINS	NUM	EV (113828, DCM, "Pitch Factor")	1	MC	IF row 4 equals (116152004, SCT, "Spiral Acquisition") or equals (113804, DCM, "Sequenced Acquisition")	UNITS = EV ({ratio}, UCUM, "ratio")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
13	>>	CONTAINS	NUM	EV (113823, DCM, "Number of X-Ray Sources")	1	M		UNITS = EV ({X-Ray sources}, UCUM, "X-Ray sources")
14	>>	CONTAINS	CONTAINER	EV (113831, DCM, "CT X-Ray Source Parameters")	1-n	M		
15	>>>	CONTAINS	TEXT	EV (113832, DCM, "Identification of the X-Ray Source")	1	M		
16	>>>	CONTAINS	NUM	EV (113733, DCM, "KVP")	1	M		UNITS = EV (kV, UCUM, "kV")
17	>>>	CONTAINS	NUM	EV (113833, DCM, "Maximum X-Ray Tube Current")	1	M		UNITS = EV (mA, UCUM, "mA")
18	>>>	CONTAINS	NUM	EV (113734, DCM, "X-Ray Tube Current")	1	M		UNITS = EV (mA, UCUM, "mA")
19	>>>	CONTAINS	NUM	EV (113834, DCM, "Exposure Time per Rotation")	1	MC	IF row 4 does not equal (113805, DCM, "Constant Angle Acquisition")	UNITS = EV (s, UCUM, "s")
20	>>>	CONTAINS	NUM	EV (113821, DCM, "X-Ray Filter Aluminum Equivalent")	1	U		UNITS = EV (mm, UCUM, "mm")
21	>	CONTAINS	CONTAINER	EV (113829, DCM, "CT Dose")	1	MC	IF row 4 does not equal (113805, DCM, "Constant Angle Acquisition")	
22	>>	CONTAINS	NUM	EV (113830, DCM, "Mean CTDIvol")	1	M		UNITS = EV (mGy, UCUM, "mGy")
23	>>	CONTAINS	CODE	EV (113835, DCM, "CTDIw Phantom Type")	1	M		DCID 4052 “Phantom Devices”
24	>>	CONTAINS	NUM	EV (113836, DCM, "CTDIfreeair Calculation Factor")	1	U		UNITS = EV (mGy/mA.s, UCUM, "mGy/mA.s")
25	>>	CONTAINS	NUM	EV (113837, DCM, "Mean CTDIfreeair")	1	U		UNITS = EV (mGy, UCUM, "mGy")
26	>>	CONTAINS	NUM	EV (113838, DCM, "DLP")	1	M		UNITS = EV (mGy.cm, UCUM, "mGy.cm")
27	>>	CONTAINS	NUM	EV (113839, DCM, "Effective Dose")	1	U		UNITS = EV (mSv, UCUM, "mSv")
28	>>>	HAS CONCEPT MOD	CODE	EV (370129005, SCT, "Measurement Method")	1	MC	IF row 27 is present	DCID 10011 “Effective Dose Evaluation Method”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
29	>>>>	HAS PROPERTIES	NUM	EV (113840, DCM, "Effective Dose Conversion Factor")	1	MC	IF row 28 is present and equals (113800, DCM, "DLP to E conversion via MC computation") or equals (113802, DCM, "DLP to E conversion via measurement")	UNITS = EV (mSv/mGy.cm, UCUM, "mSv/mGy.cm")
30	>>	CONTAINS	NUM	EV (113930, DCM, "Size Specific Dose Estimation")	1-n	U		UNITS = EV (mGy, UCUM, "mGy")
31	>>>	HAS CONCEPT MOD	CODE	EV (370129005, SCT, "Measurement Method")	1	M		DCID 10023 “Size Specific Dose Estimation Method for CT”
32	>>>>	INFERRED FROM	NUM	EV (113931, DCM, "Measured Lateral Dimension")	1	MC	IF row 31 equals (113934, DCM, "AAPM 204 Lateral Dimension") or (113936, DCM, "AAPM 204 Sum of Lateral and AP Dimension")	UNITS = EV (mm, UCUM, "mm")
33	>>>>	INFERRED FROM	NUM	EV (113932, DCM, "Measured AP Dimension")	1	MC	IF row 31 equals (113935, DCM, "AAPM 204 AP Dimension") or (113936, DCM, "AAPM 204 Sum of Lateral and AP Dimension")	UNITS = EV (mm, UCUM, "mm")
34	>>>>	INFERRED FROM	NUM	EV (113933, DCM, "Derived Effective Diameter")	1	MC	IF row 31 equals (113934, DCM, "AAPM 204 Lateral Dimension") or (113935, DCM, "AAPM 204 AP Dimension") or (113936, DCM, "AAPM 204 Sum of Lateral and AP Dimension") or (113937, DCM, "AAPM 204 Effective Diameter Estimated From Patient Age")	UNITS = EV (mm, UCUM, "mm")
34b	>>>>	INFERRED FROM	NUM	EV (113980, DCM, "Water Equivalent Diameter")	1	MC	IF row 31 equals (113981, DCM, "Water Equivalent Diameter Representative Value")	UNITS = EV (mm, UCUM, "mm")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
34c	>>>>>	HAS CONCEPT MOD	CODE	EV EV (370129005, SCT, "Measurement Method")	1	M		DCID 10024 “Water Equivalent Diameter Method”
34d	>>>>	INFERRED FROM	UIDREF	EV (113985, DCM, "Series or Instance used for Water Equivalent Diameter estimation")	1-n	MC	IF row 31 equals (113982, DCM, "Water Equivalent Diameter Integrated Across Scan Range") or (113984, DCM, "Water Equivalent Diameter From Localizer") or (row 31 equals (113983, DCM, "Water Equivalent Diameter From Raw Data") and the Raw Data is encoded in DICOM).	
34e	>>>>	INFERRED FROM	NUM	EV (113986, DCM, "Z value of location of Water Equivalent Diameter estimation")	1	MC	IF row 31 equals (113981, DCM, "Water Equivalent Diameter Representative Value")	UNITS = EV (mm, UCUM, "mm")
35	>>	CONTAINS	INCLUDE	DTID 10015 “CT Dose Check Details”	1	M		
36	>	CONTAINS	TEXT	EV (113842, DCM, "X-Ray Modulation Type")	1	U		
37	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
38	>	CONTAINS	INCLUDE	DTID 1020 “Person Participant”	1-n	U		$PersonProcedureRole = EV (113851, DCM, "Irradiation Administering")
39	>	CONTAINS	INCLUDE	DTID 1021 “Device Participant”	1	MC	Required if the irradiating device is not the recording device.	$DeviceProcedureRole = EV (113859, DCM, "Irradiating Device")

Content Item Descriptions

Row 2	User-defined type of clinical acquisition protocol for creating images or image-derived measurements. May be taken from Protocol Name (0018,1030) or from Performed Procedure Step Description (0040,0254).
Row 3	The target region is the anatomy exposed.
Row 4	Description of the method used during acquisition of this CT irradiation event, may be derived from Acquisition Type (0018,9302).
Row 4b	Though not a characteristic of the acquisition per se, the type of reconstruction intended has a bearing on the technique used. If multiple types of reconstruction are performed, multiple values can be listed. These values should correspond to the values of Reconstruction Algorithm (0018,9315) in the reconstructed images.
Row 5	The acquisition was performed with or without contrast medium application.

Row 6d, 6e	If an acquisition is a repeat because an earlier acquisition was unsatisfactory, this may be recorded along with a coded reason. This is intended to help with subsequent analysis by providing a priori information about why the study might be flagged as an outlier with higher dose exposure values than usual for the type of study.
Row 6f	The DateTime that the application of X-Rays started for this irradiation event. This shall correspond to the start of the first irradiation in the Irradiation Event, which defines the starting point for the calculation of the contents of the Row 21 "CT Dose" CONTAINER.
Row 8	Total time the patient has received X-Ray exposure during the irradiation event.
Row 10	The value of the nominal width (referenced to the location of the isocenter along the z axis) of a single collimated slice in mm.
Row 11	The value of the nominal width (referenced to the location of the isocenter along the z axis) of the nominal total collimation in mm over the area of active X-Ray detection (z-coverage).
Row 12	Pitch Factor: For Spiral Acquisition, the Pitch Factor is the ratio of the Table Feed per Rotation to the Nominal Total Collimation Width. For Sequenced Acquisition, the Pitch Factor is the ratio of the Table Feed per single sequenced scan to the Nominal Total Collimation Width.
Row 14	CT X-Ray source parameters related to the acquisition. For each X-Ray source an item must be present. For multi-energy acquisitions, multiple items may be present for each X-Ray source, each item describing one energy level.
Row 15	Identification of the X-Ray source. Identifies the particular X-Ray source (in a multi-source CT system) for which the set of X-Ray source parameter values is reported.
Row 16	KVP value as measured/recorded by system.
Row 18	Mean tube current as measured/recorded by system.
Row 19	Exposure time as measured/recorded by the system per rotation.
Row 20	Thickness of an equivalent filter constructed from aluminum, in case of multi-source CT systems AND if Row 4 is not present
Row 21	CT Dose for one acquisition
Row 22	"Mean $CTDI_{vol}$" refers to the average value of the $CTDI_{vol}$ applied within this acquisition. $CTDI_{vol}$ is the volume $CTDI_w$, where $CTDI_w$ is the weighted computed tomography dose index 100 as defined in IEC 60601-2-44. For Sequenced and Spiral scanning, $CTDI_{vol}$ = $CTDI_w$ / Pitch Factor. For Stationary and Free scanning, $CTDI_{vol}$ = $CTDI_w$ × Cumulative Exposure Time/ Exposure Time Per Rotation. According to IEC 60601-2-44 Ed 3 for Constant Angle Acquisition may be calculated as CTDIvol = (CTDIw / Current Time Product (mAs)) × X-Ray Tube Current (mA) x (Nominal Total Collimation Width (mm) / Table Speed (mm/s)). Note The ratio CTDIw / Current Time Product is evaluated independently of the Constant Angle Acquisition but with the same settings of tube voltage and Total Collimation Width as those of the Constant Angle Acquisition. See also CTDIvol (0018,9345) and Spiral Pitch Factor (0018,9311) in the “Enhanced Computed Tomography Image IOD” in PS3.3.
Row 23	The type of phantom used for CTDI measurement according to IEC 60601-2-44(e.g., Head 16 cm diameter PMMA, Body 32 cm diameter PMMA).
Row 24	The $CTDI_{free\ air}$ Calculation Factor is the $CTDI_{free\ air}$ per mAs, expressed in units of mGy/mAs. The $CTDI_{free\ air}$ Calculation Factor may be used in one method calculating Dose. For example, for this acquisition, Effective Dose = Mean X-Ray Tube Current × Cumulative Exposure Time × $CTDI_{free\ air}$ Calculation Factor × (Effective Dose/ $CTDI_{free\ air}$).

Row 25	$MeanCTDI_{free\ air}$ is the mean CTDI for this acquisition, evaluated free-in-air according to IEC 60601-2-44. $MeanCTDI_{free\ air}$ = Mean X-Ray Tube Current × Cumulative Exposure Time × $CTDI_{free\ air}$ Calculation Factor. The $CTDI_{free\ air}$ may be used in one method of calculating Effective Dose.
Row 26	For Spiral scanning, DLP = $CTDI_{vol}$ × Scanning Length. For Sequenced scanning, DLP = $CTDI_{vol}$ × Nominal Total Collimation Width × Cumulative Exposure Time / Exposure Time per Rotation. For Stationary and Free scanning, DLP = $CTDI_{vol}$ × Nominal Total Collimation Width (according to IEC 60601-2-44).
Row 27	Effective Dose in mSv of the single continuous time-frame of the irradiation computed as described in TID 10012 “CT Accumulated Dose Data”.
Row 29	The Effective Dose Conversion Factor is the ratio of the Effective Dose to the DLP, expressed in units of mSv/mGy.cm, and it is used as a factor in one method of estimating Effective Dose. Monte Carlo Simulations (or dosimetric measurements in an anthropomorphic phantom, e.g., the Alderson-Rando phantom) may be used as a basis for the evaluation of Effective Dose Conversion Factors.
Row 30	More than one Size Specific Dose Estimation may be included, for example if different computation methods are used.
Row 31	The methods of [AAPM Report 204] are listed in CID 10023 “Size Specific Dose Estimation Method for CT”; other methods may be used. The phantom size (16cm or 32cm) used for the calculation is available from the phantom type defined in Row 23.
Row 32	The condition specifies inclusion of the Measured Lateral Dimension if it was used in the calculation.
Row 33	The condition specifies inclusion of the Measured AP Dimension if it was used in the calculation.
Row 34	The Derived Effective Diameter is conditionally included, whether it was derived from measurements or estimated from age, but may not be used for other (non-AAPM Report 204) methods.
Row 34b	A single value for Water Equivalent Diameter is encoded in Row 34b if the method uses a single value. It is required if the method uses a representative slice, but may also be present if the method used a Localizer or Raw Data at a single location rather than the entire scan range.
Row 34c	The modifier is intended to specify the family of methods and not the specific technique (e.g., for AAPM 220 (113987, DCM, "AAPM 220") is used, not (113981, DCM, "Water Equivalent Diameter Representative Value"), etc.).
Row 34d	If the method uses multiple slices across the scan range, the reconstructed image Series or (list of) Instances used is referenced; the values for Water Equivalent Diameter may or may not be recorded in the CT Image Module or CT Exposure Macro of those images. More than one Series may be referenced if the reconstructed images for this acquisition used for Water Equivalent Diameter estimation span multiple series. If the Water Equivalent Diameter was computed from raw views rather than reconstructed images, then the Raw Data is referenced, if it was encoded in DICOM (it is not required to be).
Row 34e	This location is patient (not table or gantry) relative, to allow it to be defined in the Patient Coordinate System and hence related to the Image Position (Patient) in the reconstructed images (see TID 10014 “Scanning Length”, included at Row 9). It is required if the method uses a representative slice, but may also be present if the method used a Localizer or Raw Data at a single location rather than the entire scan range.
Row 35	Record of details associated with using the NEMA Dose Check Standard (NEMA XR-25-2010).
Row 36	The type of exposure modulation. May use the value of Exposure Modulation Type (0018,9323) from CT Exposure Macro or from CT Image Module.
Row 38	People responsible for the administration of the radiation reported in the irradiation event. May include values that would appear in Performing Physicians' Name (0008,1050), Performing Physician Identification Sequence (0008,1052), Operators' Name (0008,1070) and/or Operator Identification Sequence (0008,1072).
Row 39	The device that produced the irradiation in this Irradiation Event. I.e., the CT scanner. This is not required to be present if the information is the same as that already recorded in the TID 1004 “Device Observer Identifying Attributes” encoded via the inclusion of TID 1002 “Observer Context” in TID 10011 “CT Radiation Dose” Row 4, which in turn may be absent if identical to the content in the Enhanced General Equipment Module.

TID 10014 Scanning Length

Type: **Extensible**

Order: **Significant**
Root: **No**

Table TID 10014. Scanning Length

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			NUM	EV (113825, DCM, "Scanning Length")	1	M		UNITS = EV (mm, UCUM, "mm")
2			NUM	EV (113893, DCM, "Length of Reconstructable Volume")	1	U		UNITS = EV (mm, UCUM, "mm")
3			NUM	EV (113899, DCM, "Exposed Range")	1	UC	IFF TID 10013 “CT Irradiation Event Data” row 4 CT Acquisition Type equals (116152004, SCT, "Spiral Acquisition")	UNITS = EV (mm, UCUM, "mm")
4			NUM	EV (113895, DCM, "Top Z Location of Reconstructable Volume")	1	U		UNITS = EV (mm, UCUM, "mm")
5			NUM	EV (113896, DCM, "Bottom Z Location of Reconstructable Volume")	1	U		UNITS = EV (mm, UCUM, "mm")
6			NUM	EV (113897, DCM, "Top Z Location of Scanning Length")	1	U		UNITS = EV (mm, UCUM, "mm")
7			NUM	EV (113898, DCM, "Bottom Z Location of Scanning Length")	1	U		UNITS = EV (mm, UCUM, "mm")
8			UIDREF	EV (112227, DCM, "Frame of Reference UID")	1	MC	IF any of Rows 4 through 7 or Row 34e of TID 10013 are present.	If present, shall be the same UID as in the images reconstructed from this irradiation event.

Content Item Descriptions

Row 1	For Spiral scanning, the scanning length is normally the table travel in mm during the tube loading (see Figure A-16). For Sequenced scanning, the scanning length is the table travel between consecutive scans times the number of scans. For Stationary and Free scanning, the scanning length is the nominal width of the total collimation.
Row 2	The length of the reconstructable volume is the maximum z-range between the outermost edges of the top and bottom slices that can be reconstructed from the acquisition. For Spiral scanning, the length of reconstructable volume is the z-range between the outermost beginning of the first reconstructable slice and the outermost end of the last reconstructable slice (see Figure A-16). For Sequenced scanning, the length of reconstructable volume is the z-range between the outermost beginning of the first slice and the outermost end of the last slice (i.e., including any skip). For Stationary and Free scanning, the length of reconstructable volume is the nominal width of the total collimation.
Row 3	For Spiral scanning, the exposed range is as defined in IEC 60601-2-44 (Ed. 3) 302.115(b) (see Figure A-16). Exposed range is not defined for other modes of scanning.

Rows 4-5	The Top and Bottom Z Locations of the Reconstructable Volume are independent of the slice width of any actual reconstructed slices. They are measured from the edges of the volume, and hence are not equal to the Z locations encoded in the images of any actual reconstructed slices, which are recorded as the center of the slice.
Rows 4-7	These locations are patient (not table or gantry) relative, to allow them to be defined in the Patient Coordinate System and hence related to the Image Position (Patient) in the reconstructed images. They are also defined in terms of the top (towards the patient's head), and bottom (towards the patient's feet) of the corresponding ranges, in order to make them independent of whether the scan starts at the top or the bottom or shuttles back and forth in between (see Figure A-16).

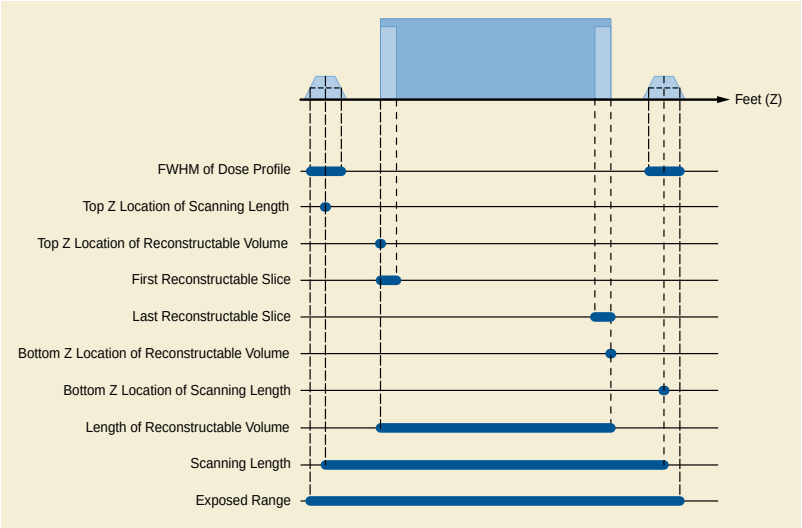

Figure A-16. Spiral Acquisition Parameters

TID 10015 CT Dose Check Details

This Template records details related to the use of the NEMA Dose Check Standard (NEMA XR-25-2010).

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 10015. CT Dose Check Details

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113900, DCM, "Dose Check Alert Details")	1	MC	IF the scanning device has implemented dose alerts	
2	>	CONTAINS	CODE	EV (113901, DCM, "DLP Alert Value Configured")	1	M		DCID 230 “Yes-No”
3	>	CONTAINS	CODE	EV (113902, DCM, "CTDIvol Alert Value Configured")	1	M		DCID 230 “Yes-No”
4	>	CONTAINS	NUM	EV (113903, DCM, "DLP Alert Value")	1	MC	IFF value of Row 2 is (373066001, SCT, "Yes")	UNITS = EV (mGy.cm, UCUM, "mGy.cm")
5	>	CONTAINS	NUM	EV (113904, DCM, "CTDIvol Alert Value")	1	MC	IFF value of Row 3 is (373066001, SCT, "Yes")	UNITS = EV (mGy, UCUM, "mGy")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	CONTAINS	NUM	EV (113905, DCM, "Accumulated DLP Forward Estimate")	1	MC	IF Accumulated DLP Forward Estimate (Row 6) exceeds DLP Alert Value (Row 4)	UNITS = EV (mGy.cm, UCUM, "mGy.cm")
7	>	CONTAINS	NUM	EV (113906, DCM, "Accumulated CTDIvol Forward Estimate")	1	MC	IF Accumulated CTDIvol Forward Estimate (Row 7) exceeds CTDIvol Alert Value (Row 5)	UNITS = EV (mGy, UCUM, "mGy")
8	>	CONTAINS	TEXT	EV (113907, DCM, "Reason for Proceeding")	1	UC	IFF Accumulated DLP Forward Estimate (Row 6) exceeds DLP Alert Value (Row 4) or Accumulated CTDIvol Forward Estimate (Row 7) exceeds CTDIvol Alert Value (Row 5)	
9	>	CONTAINS	INCLUDE	DTID 1020 “Person Participant”	1	MC	IF Accumulated DLP Forward Estimate (Row 6) exceeds DLP Alert Value (Row 4) or Accumulated CTDIvol Forward Estimate (Row 7) exceeds CTDIvol Alert Value (Row 5)	$PersonProcedureRole = EV (113850, DCM, "Irradiation Authorizing")
10			CONTAINER	EV (113908, DCM, "Dose Check Notification Details")	1	MC	IF the scanning device has implemented dose notifications	
11	>	CONTAINS	CODE	EV (113909, DCM, "DLP Notification Value Configured")	1	M		DCID 230 “Yes-No”
12	>	CONTAINS	CODE	EV (113910, DCM, "CTDIvol Notification Value Configured")	1	M		DCID 230 “Yes-No”
13	>	CONTAINS	NUM	EV (113911, DCM, "DLP Notification Value")	1	MC	IFF value of Row 11 is (373066001, SCT, "Yes")	UNITS = EV (mGy.cm, UCUM, "mGy.cm")
14	>	CONTAINS	NUM	EV (113912, DCM, "CTDIvol Notification Value")	1	MC	IFF value of Row 12 is (373066001, SCT, "Yes")	UNITS = EV (mGy, UCUM, "mGy")
15	>	CONTAINS	NUM	EV (113913, DCM, "DLP Forward Estimate")	1	MC	IF DLP Forward Estimate (Row 15) exceeds DLP Notification Value (Row 13)	UNITS = EV (mGy.cm, UCUM, "mGy.cm")
16	>	CONTAINS	NUM	EV (113914, DCM, "CTDIvol Forward Estimate")	1	MC	IF CTDIvol Forward Estimate (Row 16) exceeds CTDIvol Notification Value (Row 14)	UNITS = EV (mGy, UCUM, "mGy")
17	>	CONTAINS	TEXT	EV (113907, DCM, "Reason for Proceeding")	1	UC	IFF DLP Forward Estimate (Row 15) exceeds DLP Notification Value (Row 13) or CTDIvol Forward Estimate (Row 16) exceeds CTDIvol Notification Value (Row 14)	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
18	>	CONTAINS	INCLUDE	DTID 1020 “Person Participant”	1	UC	IFF DLP Forward Estimate (Row 15) exceeds DLP Notification Value (Row 13) or CTDIvol Forward Estimate (Row 16) exceeds CTDIvol Notification Value (Row 14)	$PersonProcedureRole = EV (113850, DCM, "Irradiation Authorizing")

Content Item Descriptions

Row 1	Container for Dose Check Alert details.
Row 2	Indicates whether a DLP Alert Value was configured (e.g., by the institution) for the exam to which this irradiation event belongs.
Row 3	Indicates whether a CTDIvol Alert Value was configured (e.g., by the institution) for the exam to which this irradiation event belongs.
Row 4	The configured value applicable to the current exam that would trigger an alert if the accumulated DLP were projected to exceed it.
Row 5	The configured value applicable to the current exam that would trigger an alert if the Accumulated CTDIvol at any given location were projected to exceed it.
Row 6	The value estimated prior to performing this irradiation event of the projected DLP accumulated during this exam, including this irradiation event. The estimate may include assumptions such as those described in NEMA XR 25-2010.
Row 7	The value estimated prior to performing this irradiation event of the projected CTDIvol accumulated during this exam, including this irradiation event. The value is for the location with the highest estimated accumulation. The actual location is not recorded. The estimate may include assumptions such as those described in NEMA XR 25-2010.
Row 8	The reason provided by the operator for proceeding with an irradiation event projected to exceed an alert value.
Row 9	Person responsible for authorizing irradiation projected to exceed an alert value.
Row 10	Container for Dose Check Notification details.
Row 11	Indicates whether a DLP Notification Value was configured (e.g., by the institution) for the Protocol Element Group to which this irradiation event corresponds.
Row 12	Indicates whether a CTDIvol Notification Value was configured (e.g., by the institution) for the Protocol Element Group to which this irradiation event corresponds.
Row 13	The configured value applicable to the current irradiation event that would trigger a notification if the DLP were projected to exceed it.
Row 14	The configured value applicable to the current irradiation event that would trigger a notification if the CTDIvol were projected to exceed it.
Row 15	The value estimated prior to performing this irradiation event of the DLP for this irradiation event. The estimate may include assumptions such as those described in NEMA XR 25-2010.
Row 16	The value estimated prior to performing this irradiation event of the CTDIvol for this irradiation event. The value is for the location with the highest estimated value. The actual location is not recorded. The estimate may include assumptions such as those described in NEMA XR 25-2010.
Row 17	The reason provided by the operator for proceeding with an irradiation event projected to exceed a notification value.
Row 18	Person responsible for authorizing irradiation projected to exceed a notification value.

Radiopharmaceutical Radiation Dose SR IOD Templates

The Templates that comprise the Radiopharmaceutical Radiation Dose SR are interconnected as in Figure A-17.

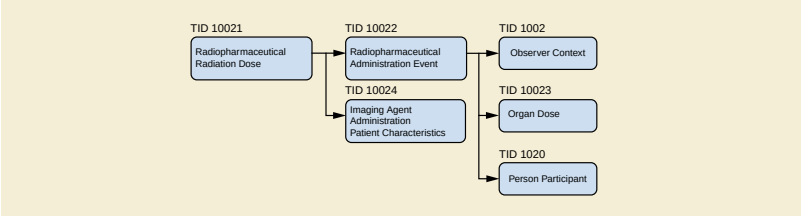

Figure A-17. Radiopharmaceutical Radiation Dose SR IOD Template Structure

TID 10021 Radiopharmaceutical Radiation Dose

This Template defines a container (the root) with subsidiary Content Items, each of which corresponds to a single Radiopharmaceutical Administration Dose event entry. There is a defined recording observer (the system and/or person responsible for recording the assay of the radiopharmaceutical, and the person administered the radiopharmaceutical). Multiple Radiopharmaceutical Radiation Dose objects may be created for one study. Radiopharmaceutical Start DateTime in TID 10022 “Radiopharmaceutical Administration Event Data” will convey the order of administrations.

Type: **Extensible**
Order: **Significant**
Root: **Yes**

Table TID 10021. Radiopharmaceutical Radiation Dose

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113500, DCM, "Radiopharmaceutical Radiation Dose Report")	1	M		Root node
1b	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	U		
2	>	HAS CONCEPT MOD	CODE	EV (363589002, SCT, "Associated Procedure")	1	M		DCID 3108 “NM/PET Procedures”
3	>>	HAS CONCEPT MOD	CODE	EV (363703001, SCT, "Has Intent")	1	M		DCID 3629 “Procedure Intent”
4	>	CONTAINS	INCLUDE	DTID 10022 “Radiopharmaceutical Administration Event Data”	1	M		
5	>	CONTAINS	INCLUDE	DTID 10024 “Imaging Agent Administration Patient Characteristics”	1	U		
6	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

Content Item Descriptions

Row 2	The associated procedure is the procedure performed, or if no procedure was performed the procedure that was ordered.

TID 10022 Radiopharmaceutical Administration Event Data

The Radiopharmaceutical Administration Event conveys the dose and assay and time information of a single radiopharmaceutical event. A Radiopharmaceutical Administration event is one radioactive pharmaceutical administered to a patient.

Type: **Extensible**

Order: **Significant**
Root: **No**

Table TID 10022. Radiopharmaceutical Administration Event Data

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113502, DCM, "Radiopharmaceutical Administration")	1	M		
2	>	CONTAINS	CODE	EV (417881006, SCT, "Radiopharmaceutical agent")	1	M		DCID 25 “Radiopharmaceuticals” DCID 4021 “PET Radiopharmaceutical”
3	>>	HAS PROPERTIES	CODE	EV (89457008, SCT, "Radionuclide")	1	M		DCID 18 “Isotopes in Radiopharmaceuticals” DCID 4020 “PET Radionuclide”
4	>>	HAS PROPERTIES	NUM	EV (304283002, SCT, "Radionuclide Half Life")	1	M		UNITS = EV (s, UCUM, "seconds")
5	>	CONTAINS	NUM	EV (123007, DCM, "Radiopharmaceutical Specific Activity")	1	U		UNITS = EV (Bq/mmol, UCUM, "Bq/mmol")
6	>	CONTAINS	UIDREF	EV (113503, DCM, "Radiopharmaceutical Administration Event UID")	1	M		
7	>	CONTAINS	CODE	EV (113505, DCM, "Intravenous Extravasation Symptoms")	1-n	U		DCID 10043 “Intravenous Extravasation Symptoms”
8	>	CONTAINS	NUM	EV (113506, DCM, "Estimated Extravasation Activity")	1	U		UNITS = EV(%, UCUM, "percent")
9	>	CONTAINS	DATETIME	EV (123003, DCM, "Radiopharmaceutical Start DateTime")	1	M		
10	>	CONTAINS	DATETIME	EV (123004, DCM, "Radiopharmaceutical Stop DateTime")	1	U		
11	>	CONTAINS	NUM	EV (113507, DCM, "Administered activity")	1	M		UNITS = EV (MBq, UCUM, "MBq")
12	>	CONTAINS	NUM	EV (123005, DCM, "Radiopharmaceutical Volume")	1	U		UNITS = EV (cm3, UCUM, "cm3")
13	>	CONTAINS	NUM	EV (113508, DCM, "Pre-Administration Measured Activity")	1	U		UNITS = EV (MBq, UCUM, "MBq")
14	>>	HAS OBS CONTEXT	CODE	EV (113540, DCM, "Activity Measurement Device")	1	U		DCID 10041 “Source of Radioisotope Activity Information”
15	>>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
16	>	CONTAINS	NUM	EV (113509, DCM, "Post-Administration Measured Activity")	1	U		UNITS = EV (MBq, UCUM, "MBq")
17	>>	HAS OBS CONTEXT	CODE	EV (113540, DCM, "Activity Measurement Device")	1	U		DCID 10041 “Source of Radioisotope Activity Information”
18	>>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	U		
19	>	CONTAINS	INCLUDE	DTID 10023 “Organ Dose”	1-n	U		
20	>	CONTAINS	CODE	EV (410675002, SCT, "Route of administration")	1	M		BCID 11 “Route of Administration”
21	>>	HAS PROPERTIES	CODE	EV (272737002, SCT, "Site of")	1	MC	IF Row 20 equals (47625008, SCT, "Intravenous route") or (78421000, SCT, "Intramuscular route")	DCID 3746 “Percutaneous Entry Site”
22	>>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	MC	IF Row 21 has laterality	DCID 244 “Laterality”
23	>	CONTAINS	INCLUDE	DTID 1020 “Person Participant”	1-n	M		$PersonProcedureRole = EV (113851, DCM, "Irradiation Administering")
24	>	CONTAINS	CODE	EV (121147, DCM, "Billing Code(s) ")	1-n	U		
25	>	CONTAINS	CODE	EV (113510, DCM, "Drug Product Identifier")	1-n	U		
26	>	CONTAINS	TEXT	EV (111529, DCM, "Brand Name")	1	U		
27	>	CONTAINS	TEXT	EV (113511, DCM, "Radiopharmaceutical Dispense Unit Identifier")	1	U		
28	>>	CONTAINS	TEXT	EV (113512, DCM, "Radiopharmaceutical Lot Identifier")	1-n	U		
29	>>	CONTAINS	TEXT	EV (113513, DCM, "Reagent Vial Identifier")	1-n	U		
30	>>	CONTAINS	TEXT	EV (113514, DCM, "Radionuclide Identifier")	1-n	U		
31	>	CONTAINS	TEXT	EV (113516, DCM, "Prescription Identifier")	1	U		
32	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

Content Item Descriptions

Row 4	The value of Half-life that was used for computing the decay of the administered radiopharmaceutical. It is not intended for use by the receiver for any further computation.
Row 5	Activity per unit mass of the radiopharmaceutical at Radiopharmaceutical Start Time
Row 6	Unique identification of a single radiopharmaceutical administration event.
Row 8	The estimated percentage of administered activity lost at the injection site. The estimation includes extravasation, paravenous administration and leakage at the injection site.
Row 9	The time the radiopharmaceutical was administered to the patient for imaging purposes.
Row 11	Total amount of radioactivity administered to the patient at Radiopharmaceutical Start Time. It is a computed field from the TID 10022 Pre-Administration Measured Activity Row 13, TID 10022 Post-Administration Measured Activity Row 17, Radionuclide Half Life Row 4 and Radiopharmaceutical Start Time Row 9. Does not include estimated extravasation activity.
Rows 13, 16	Observation DateTime (0040,A032) shall be used to record when the measurement was taken.
Row 23	Identifies the person administering the product.
Row 24	The billing codes for the preparation and administration of the radiopharmaceutical. It does not include performance and interpretation of the imaging.
Row 25	Registered drug establishment code for the product. A coding scheme example is NDC, WHO-DDE or RxNorm. Multiple entries can be used for equivalent drug product codes.
Row 27	The human readable identification of the specific radiopharmaceutical quantity (dose) administered to the patient.
Row 28	Identifies the vial, batch or lot number from which the individual radiopharmaceutical quantity (dose) was produced. Row 27 the Radiopharmaceutical Identifier records the identification for each individual dose.
Row 29	Identifies the lot or unit serial number for the reagent component for the radiopharmaceutical identified in row 27.
Row 30	Identifies the lot or unit serial number for the radionuclide component for the radiopharmaceutical identified in row 27.

TID 10023 Organ Dose

This Template conveys the information about the dose to a single organ.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 10023. Organ Dose

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113517, DCM, "Organ Dose Information")	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (363698007, SCT, "Finding Site")	1	M		DCID 10044 “Radiosensitive Organs”
3	>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	MC	IFF anatomy has laterality	DCID 244 “Laterality”
4	>	CONTAINS	NUM	EV (118538004, SCT, "Mass")	1	U		UNITS = EV (g, UCUM, "grams")
5	>>	HAS CONCEPT MOD	TEXT	EV (370129005, SCT, "Measurement Method")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	CONTAINS	NUM	EV (113518, DCM, "Organ Dose")	1	M		UNITS = EV (mGy, UCUM, "mGy")
7	>>	HAS PROPERTIES	CODE	EV (121406, DCM, "Reference Authority")	1	MC	XOR Row 8	BCID 10040 “Radiopharmaceutical Organ Dose Reference Authority”
8	>>	HAS PROPERTIES	TEXT	EV (121406, DCM, "Reference Authority")	1	MC	XOR Row 7	

Content Item Descriptions

Row 3	For paired organs, use (51440002, SCT, "Bilateral") to report the estimated absorbed dose for both organs.
Row 4	The estimated mass of organ in grams used when calculating the organ dose.
Row 5	Method used to obtain the estimate. This could include a method that does not involve performing a measurement (e.g., Standard Organ Mass Tables).
Row 6	Organ dose (in units of mGy). Organ is specified by row 2.

TID 10024 Imaging Agent Administration Patient Characteristics

This Template describes the characteristics of the patient that are specific to the current clinical presentation (visit). In the case of radiopharmaceuticals, the characteristics noted may affect the activity received, and how dose is calculated for the patient. Patient Characteristic concepts in this Template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other Content Items in the SR tree.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 10024. Imaging Agent Administration Patient Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (121118, DCM, "Patient Characteristics")				
2	>	CONTAINS	CODE	EV (109054, DCM, "Patient state")	1-n	U		DCID 10045 “Radiopharmaceutical Patient State” DCID 64 “Imaging Agent Administration Patient State”
3	>	CONTAINS	NUM	EV (121033, DCM, "Subject Age")	1	U		UNITS = DCID 7456 “Units of Measure for Age”
4	>	CONTAINS	CODE	EV (121032, DCM, "Subject Sex")	1	U		DCID 7455 “Sex”
5	>	CONTAINS	NUM	EV (8302-2, LN, "Patient Height")	1	U		UNITS = EV (cm, UCUM, "cm")
6	>	CONTAINS	NUM	EV (29463-7, LN, "Patient Weight")	1	U		UNITS = EV (kg, UCUM, "kg").
7	>	CONTAINS	NUM	EV (8277-6, LN, "Body Surface Area")	1	U		UNITS = EV (m2, UCUM, "m^2")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
8	>>	INFERRED FROM	CODE	EV (8278-4, LN, "Body Surface Area Formula")	1	U		BCID 3663 “Body Surface Area Equations”
9	>	CONTAINS	NUM	EV (60621009, SCT, "Body Mass Index")	1	U		UNITS = EV (kg/m2, UCUM, "kg/m^2")
10	>>	INFERRED FROM	CODE	EV (121420, DCM, "Equation")	1	U		DT (122265, DCM, "BMI = Wt/Ht^2")
11	>	CONTAINS	NUM	EV (14749-6, LN, "Glucose")	1	U		UNITS = EV (mmol/l, UCUM, "mmol/l")
12	>	CONTAINS	NUM	EV(113550, DCM, "Fasting Duration")	1	U		UNITS = DT (h, UCUM, "hours")
13	>	CONTAINS	NUM	EV(113551, DCM, "Hydration Volume")	1	U		UNITS = DT (ml, UCUM, "ml")
14	>	CONTAINS	TEXT	EV (113552, DCM, "Recent Physical Activity")	1	U		
15	>	CONTAINS	NUM	EV (2160-0, LN, "Serum Creatinine")	1	U		UNITS = DT (mg/dl, UCUM, "mg/dl")
16	>	CONTAINS	NUM	EV (80274001, SCT, "Glomerular Filtration Rate")	1-n	U		UNITS = DT (ml/min{1.73_m2}, UCUM, "ml/min/1.73m2")
17	>>	HAS CONCEPT MOD	CODE	EV (370129005, SCT, "Measurement Method")	1	U		DCID 10047 “GFR Measurement Methods”
18	>>	HAS CONCEPT MOD	CODE	EV (121050, DCM, "Equivalent meaning of concept name")	1	M		DCID 10046 “GFR Measurements”

Content Item Descriptions

Row 3	Defaults to value of Patient's Age (0010,1010) in Patient Study Module
Row 5	Patient height may differ from Patient's Size (0010,1020). Row 4 is the height value used for any height based protocols. Observation DateTime (0040,A032) may be used to record when the measurement was taken.
Row 6	Patient weight may differ from Patient's Weight (0010,1030). Row 5 is the weight value used for any weight based protocols. Observation DateTime (0040,A032) shall be used to record when the measurement was taken.
Row 11	Patient's Blood Glucose level. Observation DateTime (0040,A032) shall be used to record when the measurement was taken.
Row 15	Serum Creatinine level. Observation DateTime (0040,A032) shall be used to record when the measurement was taken.
Row 16	Glomerular Filtration Rate Observation DateTime (0040,A032) shall be used to record when the measurement was taken. The formatting of the UCUM units is aligned with LOINC. See http://unitsofmeasure.org/trac/ticket/98

Patient Radiation Dose SR IOD Templates

The Templates that comprise the Patient Radiation Dose SR are interconnected as in Figure A-18.

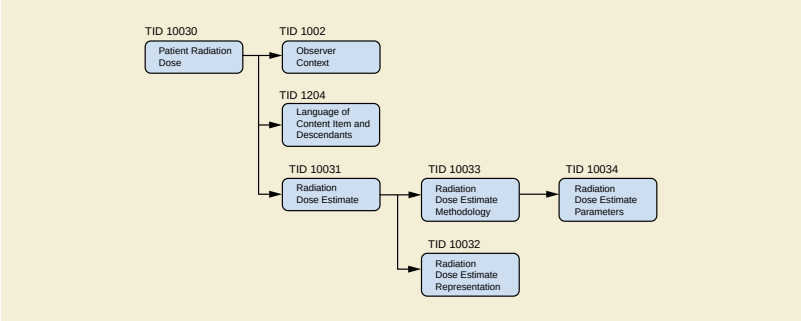

Figure A-18. Patient Radiation Dose Structured Report IOD Template Structure

TID 10030 Patient Radiation Dose

This template defines a container (the root) with subsidiary content items for determining an estimated radiation dose to a patient.

Type: **Extensible**
Order: **Non-Significant**
Root: **Yes**

Table TID 10030. Patient Radiation Dose

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (128401, DCM, "Patient Radiation Dose Report")	1	M		Root Node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	M		
4	>	CONTAINS	INCLUDE	DTID 10031 “Radiation Dose Estimate”	1	M		
5	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

Content Item Descriptions

Row 3	Identify all observers and devices involved with creating the organ estimations included in this Patient Radiation Dose SR.

TID 10031 Radiation Dose Estimate

The dose estimate is used to record the results from one analysis method from one or more radiation sources. Organ dose estimates are calculated from one or more irradiation events to a patient. The output from one or more sources of radiation can be used separately or combined to estimate the dose to a patient or individual organs.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 10031. Radiation Dose Estimate

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (128402, DCM, "Radiation Dose Estimate")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	HAS CONCEPT MOD	TEXT	EV (128403, DCM, "Radiation Dose Estimate Name")	1	M		
3	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
4	>	CONTAINS	INCLUDE	DTID 10033 “Radiation Dose Estimate Methodology”	1	M		
5	>	CONTAINS	INCLUDE	DTID 10032 “Radiation Dose Estimate Representation”	1-n	U		
6	>	CONTAINS	CONTAINER	EV (113517, DCM, "Organ Radiation Dose Information")	1-n	M		
7	>>	CONTAINS	CODE	EV (113343008, SCT, "Organ")	1	M		DCID 10060 “Organs for Radiation Dose Estimates”
8	>>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	MC	IF Row 7 has laterality	DCID 244 Laterality
9	>>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
10	>>	CONTAINS	NUM	DCID 10061 “Absorbed Radiation Dose Types”	1	M		UNITS = EV (mGy, UCUM, "mGy")
11	>>>	HAS PROPERTIES	NUM	DCID 225 “Measurement Uncertainty Concepts”	1-n	U		UNITS = EV (mGy, UCUM, "mGy")
12	>>>>	HAS PROPERTIES	TEXT	EV (128511, DCM, "Reference to Uncertainty Determination Method")	1	U		
13	>>	CONTAINS	NUM	DCID 10062 “Equivalent Radiation Dose Types”	1	U		UNITS = EV (mSv, UCUM, "mSv")
14	>>>	HAS PROPERTIES	NUM	DCID 225 “Measurement Uncertainty Concepts”	1-n	U		UNITS = EV (mSv, UCUM, "mSv")
15	>>>>	HAS PROPERTIES	TEXT	EV (128511, DCM, "Reference to Uncertainty Determination Method")	1	U		

Content Item Descriptions

Row 13	Equivalent Dose is an international quantity and includes the use of a Radiation Weighting Factor to compensate for the radiation type, e.g., photon, neutron, alpha or beta particle, etc. Stating equivalent dose is not recommended in almost all dosimetry situations, except in Radiopharmaceutical dose. This is not Effective Dose.

TID 10032 Radiation Dose Estimate Representation

Different representations (e.g., images) of the distribution of absorbed energy allow a better understanding of how this energy may affect tissue.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 10032. Radiation Dose Estimate Representation

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (128412, DCM, "Radiation Dose Estimate Representation")	1	M		
2	>	CONTAINS	CODE	EV (128413, DCM, "Distribution Representation")	1	M		DCID 10063 “Radiation Dose Estimate Distribution Representation”
3	>	CONTAINS	IMAGE	EV (128414, DCM, "Radiation Dose Representation Data")	1	MC	XOR Row 4	
4	>	CONTAINS	COMPOSITE	EV (128414, DCM, "Radiation Dose Representation Data")	1	MC	XOR Row 3	
5	>	CONTAINS	CODE	EV (113343008, SCT, "Organ")	1-n	M		DCID 10060 “Organs for Radiation Dose Estimates”
6	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	MC	IF Row 5 has laterality	DCID 244 “Laterality”
7	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

Content Item Descriptions

Roww 3 and 4	Reference to an Instance that contains the dose representation, e.g., surface segmentation, mesh, parametric map, RT dose, Secondary Capture, etc.
Row 5	The organs in the representation. The organs in this Row shall be present in Row 7 of TID 10031 “Radiation Dose Estimate”.

TID 10033 Radiation Dose Estimate Methodology

This template includes the information specific to the organ dose calculation methodology used when estimating dose to individual organs, entire body or a phantom from imaging studies that use ionizing radiation.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 10033. Radiation Dose Estimate Methodology

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (128415, DCM, "Radiation Dose Estimate Methodology")	1	M		
2	>	CONTAINS	COMPOSITE	EV (128416, DCM, "SR Instance Used")	1-n	M		
3	>>	HAS OBS CONTEXT	COMPOSITE	EV (128447, DCM, "Spatial Fiducials")	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>>	HAS PROPERTIES	UIDREF	EV (128429, DCM, "Event UID Used")	1-n	MC	IFF some Events in the Structured Report were not used in calculating the dose.	
5	>	CONTAINS	CONTAINER	EV (128500, DCM, "Patient Radiation Dose Model")	1	M		
6	>>	CONTAINS	CODE	EV (128417, DCM, "Patient Model Type")	1	M		DCID 10064 “Patient Model Type”
7	>>	CONTAINS	CODE	EV (128420, DCM, "Radiation Transport Model Type")	1	M		DCID 10065 “Radiation Transport Model Type”
8	>>	CONTAINS	IMAGE	EV (128425, DCM, "Patient Radiation Dose Model Data")	1	UC	XOR Row 9, 10	
9	>>	CONTAINS	COMPOSITE	EV (128425, DCM, "Patient Radiation Dose Model Data")	1	UC	XOR Row 8, 10	
10	>>	CONTAINS	UIDREF	EV (128425, DCM, "Patient Radiation Dose Model Data")	1	UC	XOR Row 8, 9	
11	>>	CONTAINS	TEXT	EV (128426, DCM, "Patient Radiation Dose Model Reference")	1	U		
12	>>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
13	>>	CONTAINS	CONTAINER	EV (128427, DCM, "Patient Model Demographics")	1	M		
14	>>>	CONTAINS	NUM	EV (128428, DCM, "Model Minimum Age")	1	MC	IF model requires minimum age to be defined	DCID 7456 “Units of Measure for Age”
15	>>>	CONTAINS	NUM	EV (128430, DCM, "Model Maximum Age")	1	MC	IF model requires maximum age to be defined	DCID 7456 “Units of Measure for Age”
16	>>>	CONTAINS	CODE	EV (128437, DCM, "Model Patient Sex")	1	MC	IF model requires sex to be defined.	DCID 7455 “Sex”
17	>>>	CONTAINS	NUM	EV (128438, DCM, "Model Minimum Weight")	1	MC	IF model requires minimum weight to be defined	UNITS = EV (kg, UCUM, "kg")
18	>>>	CONTAINS	NUM	EV (128441, DCM, "Model Maximum Weight")	1	MC	IF model requires maximum weight to be defined	UNITS = EV (kg, UCUM, "kg")
19	>>>	CONTAINS	NUM	EV (128439, DCM, "Model Minimum Height")	1	MC	IF model requires minimum height to be defined	UNITS = EV (cm, UCUM, "cm")
20	>>>	CONTAINS	NUM	EV (128442, DCM, "Model Maximum Height")	1	MC	IF model requires maximum height to be defined	UNITS = EV (cm, UCUM, "cm")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
21	>>	CONTAINS	CONTAINER	EV (128456, DCM, "Patient Model Registration")	1-n	UC	IF spatial information used from Radiation Dose SR or Patient Radiation Dose Model	
22	>>>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
23	>>>	CONTAINS	CODE	EV (128446, DCM, "Registration Method")	1	M		DCID 7100 “RCS Registration Method Type”
24	>>>	CONTAINS	COMPOSITE	EV (128444, DCM, "Spatial Registration Reference")	1	MC	IFF Row 8, 9 or 10 are present and Frame of Reference is defined	
25	>	CONTAINS	CONTAINER	EV (128457, DCM, "X-Ray Beam Attenuator")	1-n	MC	IF attenuators used in estimation	
26	>>	CONTAINS	CODE	EV (128458, DCM, "Attenuator Category")	1	M		DCID 10066 “Attenuator Category”
27	>>	CONTAINS	CODE	EV (128465, DCM, "Equivalent Attenuator Material")	1	M		DCID 10067 “Radiation Attenuator Materials”
28	>>	CONTAINS	NUM	EV (128469, DCM, "Equivalent Attenuator Thickness")	1	MC	IF the attenuator is of uniform thickness	UNITS = EV (mm, UCUM, "mm")
29	>>	CONTAINS	TEXT	EV (128468, DCM, "Attenuator Description")	1	U		
30	>>	CONTAINS	CONTAINER	EV (128472, DCM, "X-Ray Beam Attenuator Model")	1	U		
31	>>>	CONTAINS	CODE	EV (128420, DCM, "Radiation Transport Model Type")	1	U		DCID 10065 “Radiation Transport Model Type”
32	>>>	CONTAINS	TEXT	EV (128474, DCM, "X-Ray Beam Attenuator Model Reference")	1	U		
33	>>>	CONTAINS	IMAGE	EV (128470, DCM, "X-Ray Attenuator Model Data")	1	UC	XOR Row 34, 35	
34	>>>	CONTAINS	COMPOSITE	EV (128470, DCM, "X-Ray Attenuator Model Data")	1	UC	XOR Row 33, 35	
35	>>>	CONTAINS	UIDREF	EV (128470, DCM, "X-Ray Attenuator Model Data")	1	UC	XOR Row 33, 34	
36	>>	CONTAINS	CONTAINER	EV (128475, DCM, "X-Ray Beam Attenuator Model Registration")	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
37	>>>	CONTAINS	CODE	EV (128446, DCM, "Registration Method")	1	M		DCID 7100 “RCS Registration Method Type”
38	>>>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
39	>>>	CONTAINS	COMPOSITE	EV (128444, DCM, "Spatial Registration Reference")	1	MC	IFF Row 33, 34 or 35 are present and Frame of Reference is defined	
40	>	CONTAINS	CONTAINER	EV (128476, DCM, "Radiation Dose Estimate Method")	1-n	M		
41	>>	CONTAINS	CODE	EV (128477, DCM, "Radiation Dose Estimate Method Type")	1	M		DCID 10068 “Estimate Method Types”
42	>>	CONTAINS	INCLUDE	DTID 10034 “Radiation Dose Estimate Parameters”	1	U		
43	>>	CONTAINS	TEXT	EV (128482, DCM, "Radiation Dose Estimate Method Reference")	1	U		

Content Item Descriptions

Row 2	Reference to Radiation Dose SRs or Radiopharmaceutical Administration Dose SRs used in the dose estimation. At least one such SR shall be referenced. Note If an SR does not exist, one must be created from estimated data.
Row 3	Reference to Fiducial SOP Instance that is used to register the Frame of Reference of the Radiation Dose SR.
Row 4	Reference to Irradiation Event UIDs or Radiopharmaceutical Event UIDs used in the Radiation Dose Estimate Methodology. This shall not be present if all events in the SR are used.
Rows 8 and 9	Reference to an instance that contains the model used when determining the radiation transport and deposition of energy within a patient, e.g., Surface Segmentation, Mesh, Parametric Map, etc.
Row 10	Reference to the series of images that contains the model used when determining the radiation transport and deposition of energy within a patient,, e.g., CT, MRI, etc.
Row 11	Reference to Publication describing the model used. If proprietary, reference the manufacturer model and version of software used.
Rows 13-20	Provide the demographics used in the patient model to estimate dose. These are not necessarily the demographics of the actual patient.

Row 21	Contains the Spatial Registration from each Source Radiation Dose SR Frame of Reference to the patient model Frame of Reference. The Frame of Reference of patient model is defined by the space of model coordinates. The Frame of Reference of the Source Radiation Dose SR is the Frame of Reference of the acquired patient images. If no Frame of Reference of the acquired patient images exists, fiducials can be used to define Frame of Reference in both the equipment space, i.e., Source Radiation Dose SR, and the Patient Model space and referenced in Row 5. If RCS Registration Method Type is Visual Alignment, it is assumed any translation/rotation information from the visual alignment is added to other alignment translation/rotation information and saved as a single Spatial Registration SOP Instance.
Row 25	One content item per attenuator. This can be information about materials in the radiation beam that is used in the estimation method and that may or may not have been included in the Radiation Dose SR. If the beam Attenuator (e.g., filter) is included here and is also in the Radiation Dose SR it is assumed additional information relative to the beam Attenuator material, shape, size, location was needed and this information was not in the Radiation Dose SR or the Radiation Dose SR information is considered incorrect or incomplete.
Row 27	The estimation method may use an equivalent material rather than the actual material, e.g., a plastic table may be use equivalent aluminum attenuation.
Row 28	If the attenuator is not uniform, a thickness may still be provided and it is expected that Row 29 (Attenuator Description) will clarify how that thickness was determined. The specified equivalent material is identified in Row 27.
Row 29	The attenuator characteristics may be described here. If the attenuator thickness was not provided in Row 28, the attenuator may still be described.
Row 30	Complex attenuators are best described by a model.
Rows 33 and 34	Reference to an Instance that contains the model e.g., Surface Segmentation, Mesh, Parametric Map, etc.
Row 35	Reference to the Series of Images that contains the model, e.g., CT, MRI, etc. This can be a Spatial Fiducials SOP Instance.
Row 36	Contains the Spatial Registration from each Source Radiation Dose SR Frame of Reference to the X-Ray attenuator model Frame of Reference. The Frame of Reference of the X-Ray attenuator model is defined by the space of model coordinates. The Frame of Reference of the Source Radiation Dose SR is the Frame of Reference of the acquired patient images. If no Frame of Reference of the acquired patient images exists, fiducials can be used to define Frame of Reference in both the equipment space, i.e., Source Radiation Dose SR, and X-Ray attenuator model space and referenced in Row 30. If RCS Registration Method Type is Visual Alignment it is assumed any translation/rotation information from the visual alignment is added to other alignment translation/rotation information and saved as a single Spatial Registration SOP Instance.
Row 32 and 43	Provide name of method, reference to a publication or the manufacturer model and version

TID 10034 Radiation Dose Estimate Parameters

This template includes the parameters that are specific to the Radiation Dose Estimate Method used in the algorithms when estimating dose to individual organs, phantoms, or the entire body from imaging studies that use ionizing radiation.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 10034. Radiation Dose Estimate Parameters

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (128434, DCM, "Radiation Dose Estimate Parameters")	1	M		
2	>	CONTAINS	NUM	DCID 10069 “Radiation Dose Estimation Parameter ”	1-n	MC	IF Row 4 absent	UNITS = DCID 82 “Units of Measurement”
4	>	CONTAINS	COMPOSITE	EV (128436, DCM, "Radiation Dose Composite Parameters")	1-n	MC	IF Row 2 absent	
5	>>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

Content Item Descriptions

Row 2	These are the parameters of the method specified in Row 43 of TID 10033 “Radiation Dose Estimate Methodology”. The code meanings should correlate directly with the names of the parameters used in the methodology documentation.
Row 4	References to Parametric Map Image, Mesh, encapsulated pdf, or other similar IOD.
Row 5	Describes the contents of the IOD referenced in Row 4

Imaging Agent Administration SR IOD Templates

Planned Imaging Agent Administration SR IOD Templates

The templates that comprise the Planned Imaging Agent Administration are interconnected as in Figure A-19.

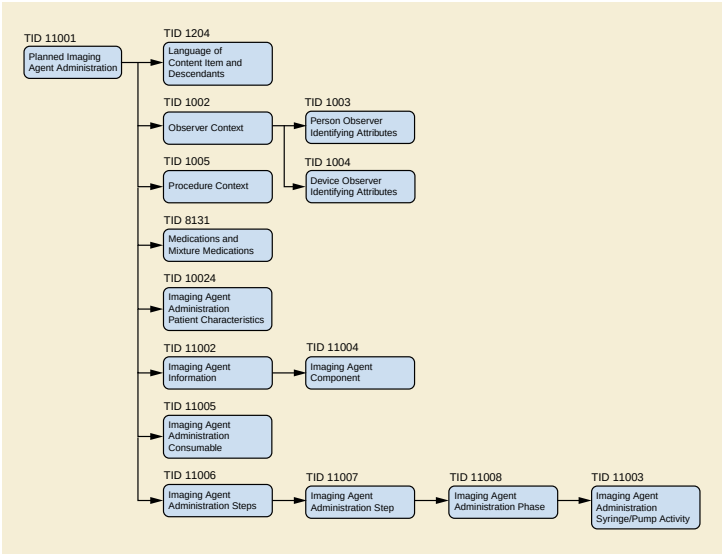

Figure A-19. Planned Imaging Agent Administration SR IOD Template Structure

TID 11001 Planned Imaging Agent Administration

This template describes single administration plan.

This template defines a container (the root) with subsidiary content items, each of which corresponds to a single Imaging Agent Administration that is planned.

Note

If a planned SR is a modification of a previous planned SR, it can reference the previous plan using the Predecessor Documents Sequence (0040,A360).

Type: **Extensible**
Order: **Non-Significant**
Root: **Yes**

Table TID 11001. Planned Imaging Agent Administration

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130226, DCM, "Planned Imaging Agent Administration")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	U		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	M		
4	>	HAS OBS CONTEXT	INCLUDE	DTID 1005 “Procedure Context”	1	M		
5	>	CONTAINS	INCLUDE	DTID 8131 “Medications and Mixture Medications”	1-n	U		$DrugAdministered = DCID 65 “Pre-medication For Imaging Agent Administration”
6	>	CONTAINS	INCLUDE	DTID 10024 “Imaging Agent Administration Patient Characteristics”	1	U		
7	>	CONTAINS	INCLUDE	DTID 11002 “Imaging Agent Information”	1-n	M		
8	>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		
9	>	CONTAINS	INCLUDE	DTID 11005 “Imaging Agent Administration Consumable”	1-n	U		
10	>	CONTAINS	INCLUDE	DTID 11006 “Imaging Agent Administration Steps”	1	M		

Content Item Descriptions

Row 3	Author of the plan.
Row 5	Describes medications administered prior to the procedure. E.g., for contrast reaction prophylaxis. Not intended for pharmaceutical stress agents.
Row 8	General comments about the planned Imaging Agent administration. It is intended for such things as a summary of the content of the plan, additional instructions related to administration of the plan, and concepts that cannot be expressed by structured features of the plan.
Row 9	The consumables that would be needed to execute the plan. e.g., a catheter of a particular size.

TID 11002 Imaging Agent Information

This template describes an Imaging Agent which may be a single component or a mix of multiple components used in a single syringe or pump.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 11002. Imaging Agent Information

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130183, DCM, "Imaging Agent Information")	1	M		
2	>	CONTAINS	TEXT	EV (130254, DCM, "Imaging Agent Identifier")	1	M		
3	>	CONTAINS	CODE	EV (130187, DCM, "Imaging Agent Warmed")	1	M		DCID 230 “Yes-No”
4	>	CONTAINS	CONTAINER	EV (130191, DCM, "Imaging Agent Component Usage")	1-n	M		
5	>>	CONTAINS	INCLUDE	DTID 11004 “Imaging Agent Component”	1	M		
6	>>	CONTAINS	NUM	EV (130239, DCM, "Component Volume")	1	MC	IF 2 or more items of Row 4 are present	UNITS (ml, UCUM, "ml")
7	>	CONTAINS	NUM	EV (130228, DCM, "Contrast Volume Limit")	1	UC	IFF root Concept Name Code Sequence (130226, DCM, "Planned Imaging Agent Administration")	UNITS EV (ml, UCUM, "ml")

Content Item Descriptions

Row 2	Uniquely, within the scope of the root container, identifies the Imaging Agent contained in a syringe or pump.
Row 4	A single Imaging Agent component, or a mixture of multiple Imaging Agent components, used to build a custom mixture of contrast agent, filled in a single syringe or pump. For Imaging Agents that are not a mixture, a single instance of this row defines the Imaging Agent component.
Row 6	Estimated volume of the Imaging Agent component.

TID 11003 Imaging Agent Administration Syringe/Pump Phase Activity

This template describes a single Syringe/Pump activity as part of the single imaging administration phase. A phase activity is the lowest level of the Imaging Agent delivery model.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 11003. Imaging Agent Administration Syringe/Pump Phase Activity

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130237, DCM, "Imaging Agent Administration Syringe/Pump Phase Activity")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	CONTAINS	TEXT	EV (130255, DCM, "Referenced Imaging Agent Identifier")	1	M		Shall be a value of Row 2 in TID 11002.
3	>	CONTAINS	NUM	EV (122091, DCM, "Volume Administered")	1	M		UNITS = EV (ml, UCUM, "ml")
4	>	CONTAINS	NUM	EV (130208, DCM, "Starting Flow Rate of Administration")	1	M		UNITS = EV (ml/s, UCUM "ml/s")
5	>	CONTAINS	NUM	EV (130209, DCM, "Ending Flow Rate of administration")	1	MC	IF Row 7 = (130253, DCM, "Linear Curve")	UNITS = EV (ml/s, UCUM "ml/s")
6	>	CONTAINS	NUM	EV (130207, DCM, "Rise Time")	1	UC	IF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	UNITS = EV (s, UCUM, "s")
7	>	CONTAINS	CODE	EV (130210, DCM, "Bolus Shaping Curve")	1	U		DCID 73 “Bolus Shaping Curves”
8	>>	HAS PROPERTIES	TEXT	EV (111002, DCM, "Algorithm Parameters")	1-n	U		
9	>	CONTAINS	NUM	EV (130244, DCM, "Peak Flow Rate in Phase Activity")	1	MC	IF TID 11007 Row 4 = (130173, DCM, "Automated Administration") AND IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	UNITS = EV (ml/s, UCUM "ml/s")
10	>	CONTAINS	NUM	EV (130245, DCM, "Peak Pressure in Phase Activity")	1	MC	IF Row 4 = (130173, DCM, "Automated Administration") AND IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	UNITS = EV (kPa, UCUM "kPa")
11	>	CONTAINS	NUM	EV (130205, DCM, "Initial Volume of Imaging Agent in Container")	1	UC	IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	UNITS = EV (ml, UCUM, "ml")
12	>	CONTAINS	NUM	EV (130206, DCM, "Residual Volume of Imaging Agent in Container")	1	UC	IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	UNITS = EV (ml, UCUM, "ml")
13	>	CONTAINS	DATETIME	EV (111526, DCM, "DateTime Started"	1	MC	IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
14	>	CONTAINS	NUM	EV (C0449238, UMLS, "Duration")	1	MC	IF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	UNITS = EV (s, UCUM, "s")

Content Item Descriptions

Row 3	Volume administered by this syringe or pump.
Row 7	Shape of the flow rate from the beginning rate to the end rate of the administration. This will typically be a vendor specific code. The code meaning of the concept name should describe the type and intent of the curve.
Row 8	Any parameters used to generate the curve defined in Row 7.
Row 9	Peak value of the flow rate of this syringe or pump activity.
Row 10	Peak value of the pressure of this syringe or pump activity.
Row 13	Datetime this individual syringe or pump activity actually started.
Row 14	Duration of this individual syringe or pump activity.

TID 11004 Imaging Agent Component

This template describes the Imaging Agent component. The brand and packaging information can be referenced under Section TID 11005 Imaging Agent Administration Consumable.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 11004. Imaging Agent Component

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130238, DCM, "Imaging Agent Component")	1	M		
2	>	CONTAINS	CODE	EV (122083, DCM, "Drug administered")	1	M		DCID 12 “Radiographic Contrast Agent” DCID 3204 “Stress Agents” DCID 70 “Flush” DCID 66 “Medication For Imaging Agent Administration”
3	>	CONTAINS	CODE	EV (127489000, SCT, "Active Ingredient")	1	U		DCID 13 “Radiographic Contrast Agent Ingredient”
4	>	CONTAINS	CODE	EV (113510, DCM, "Drug Product Identifier")	1	U		
5	>	CONTAINS	NUM	EV (122093, "DCM", "Concentration")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	CONTAINS	NUM	EV (282258000, SCT, "Molarity")	1	U		UNITS = EV (mmol/l, UCUM, "mmol/l")
7	>	CONTAINS	CODE	EV (56953008, SCT, "Osmolality")	1	U		DCID 75 “Low-high-equal”
8	>	CONTAINS	NUM	EV (126380, DCM, "Contrast Longitudinal Relaxivity")	1	U		UNITS = EV (l/mmol/s, UCUM, "l/mmol/s")
9	>	CONTAINS	NUM	EV (130188, DCM, "Contrast Transverse Relaxivity")	1	U		UNITS = EV (l/mmol/s, UCUM, "l/mmol/s")
10	>	CONTAINS	NUM	EV (130184, DCM, "Osmolality at 37C")	1	U		UNITS = EV (mosm/kg, UCUM, "mosm/kg")
11	>	CONTAINS	NUM	EV (130185, DCM, "Osmolarity at 37C")	1	U		UNITS = EV (mmol/l UCUM, "mmol/l")
12	>	CONTAINS	NUM	EV (130186, DCM, "Viscosity at 37C")	1	U		
13	>	CONTAINS	CODE	EV (130189, DCM, "Is Ionic")	1	U		DCID 231 “Yes-No Only”
14	>	CONTAINS	NUM	EV (130190, DCM, "Dosing Factor")	1	U		
15	>	CONTAINS	CODE	EV (732935002, SCT, "Unit of Presentation")	1	M		DCID 68 “Imaging Agent Administration Pharmaceutical Unit of Presentation”
16	>	CONTAINS	NUM	EV (130221, DCM, "Imaging Agent Volume Per Unit of Presentation")	1	U		UNITS = EV (ml, UCUM, "ml")
17	>	CONTAINS	TEXT	EV (121147, DCM, "Billing Code")	1	U		
18	>	CONTAINS	TEXT	EV (121145, DCM, "Description of Material")	1	U		
19	>	CONTAINS	DATE	EV (C70854, NCIt, "Medical Product Expiration Date")	1	U		
20	>	CONTAINS	TEXT	EV (C0947322, UMLS, "Manufacturer Name")	1	U		
21	>	CONTAINS	TEXT	EV (111529, DCM, "Brand Name")	1	U		
22	>	CONTAINS	TEXT	EV (130231, DCM, "Barcode Value")	1-n	UC	IFF root Concept Name Code Sequence = (130226, DCM, "Planned Imaging Agent Administration")	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
23	>	CONTAINS	TEXT	EV (130231, DCM, "Barcode Value")	1	UC	IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	
24	>	CONTAINS	TEXT	EV (121148, DCM, "Unit Serial Identifier")	1	U		
25	>	CONTAINS	TEXT	EV (121149, DCM, "Lot Identifier")	1	U		
26	>	CONTAINS	CODE	EV (128739, DCM, "UDI")	1	U		

Content Item Descriptions

Row 3	The drug administered includes contrast agents, stress agents, flush and medication agents.
Row 5	Concentration of the active ingredient (Row 3). The units are not constrained but shall be represented as usual using UCUM.
Row 7	Osmolality relative to blood.
Row 8	Relaxivity at 37°C at B0 field strength.
Row 9	Relaxivity at 37°C at B0 field strength.
Row 12	The units are not constrained but shall be represented using UCUM.
Row 17	The billing codes for material used for Imaging Agent administration procedure. It does not include performance and interpretation of the imaging.
Row 20	Name of the manufacturer of the pharmaceutical.
Row 22, 23	The number from the barcode associated with the unit of presentation e.g., the individual bottle. Some examples for type of codes are UPC, EAN, GTIN, PZN, PPN. Multiple items are permitted for planned Imaging Agent administration since multiple container sizes may be allowed.

TID 11005 Imaging Agent Administration Consumable

This template describes a material or supply used in the course of an Imaging Agent administration procedure, other than the Imaging Agents themselves and the unit of presentation of the Imaging Agents if pre-filled. This includes such supplies as needles, tubing, cannulas, catheters, empty syringes. This template may describe reusable or disposable materials.

For the planned administration, these are the expected consumables. For the performed administration, this template describes what was actually used.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 11005. Imaging Agent Administration Consumable

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130222, DCM, "Imaging Agent Administration Consumable")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	CONTAINS	CODE	EV (130223, DCM, "Imaging Agent Administration Consumable Type")	1	M		DCID 69 “Imaging Agent Administration Consumables”
3	>	CONTAINS	NUM	EV (121146, DCM, "Quantity of Material")	1	U		
4	>>	CONTAINS	CODE	EV (130224, DCM, "Consumable is New"	1	M		DCID 230 “Yes-No”
5	>	CONTAINS	TEXT	EV (121147, DCM, "Billing Code")	1	U		
6	>	CONTAINS	TEXT	EV (121145, DCM, "Description of Material")	1	U		
7	>	CONTAINS	DATE	EV (C70854, NCIt, "Medical Product Expiration Date")	1	U		
8	>	CONTAINS	NUM	EV (111467, DCM, "Needle Length")	1	U	IF Row 2 = (19923001, SCT, "Catheter")	UNITS = EV (mm, UCUM, "mm")
9	>	CONTAINS	NUM	EV (122319, DCM, "Catheter Size")	1	MC	IF Row 2 = (19923001, SCT, "Catheter") AND If Row 10 = (82449006, SCT, "Peripheral intravenous catheter")	UNITS = DCID 3510 “Catheter Size Units”
10	>	CONTAINS	CODE	EV (130257, DCM, "Consumable Catheter Type")	1	MC	IF Row 2 = (19923001, SCT, "Catheter")	DCID 74 “Imaging Agent Administration Consumable Catheter Type”
11	>	CONTAINS	TEXT	EV (C0947322, UMLS, "Manufacturer Name")	1	U		
12	>	CONTAINS	TEXT	EV (111529, DCM, "Brand Name")	1	U		
13	>	CONTAINS	TEXT	EV (130231, DCM, "Barcode Value")	1-n	UC	IFF root Concept Name Code Sequence = (130226, DCM, "Planned Imaging Agent Administration")	
14	>	CONTAINS	TEXT	EV (130231, DCM, "Barcode Value")	1	UC	IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	
15	>	CONTAINS	TEXT	EV (121148, DCM, "Unit Serial Identifier")	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
16	>	CONTAINS	TEXT	EV (121149, DCM, "Lot Identifier")	1	U		
17	>	CONTAINS	CODE	EV (128739, DCM, "UDI")	1	U		

Content Item Descriptions

Row 3	Quantity of the Imaging Agent consumed or quantity of accessories or other consumables used.
Row 5	The billing codes for material used for Imaging Agent administration procedure. It does not include performance and interpretation of the imaging.
Row 11	Name of the manufacturer of the consumable.
Row 13,14	The number from the barcode associated with the unit of presentation e.g., the individual blister package. Some examples for type of codes are UPC, EAN, GTIN. Multiple items are permitted for planned Imaging Agent administration since multiple container sizes may be allowed.

TID 11006 Imaging Agent Administration Steps

This template provides detailed information on Imaging Agent Administration Steps. It consists of multiple administration steps; a step in turn consists of multiple administration phases.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 11006. Imaging Agent Administration Steps

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130192, DCM, "Imaging Agent Administration Steps")	1	M		
2	>	CONTAINS	TEXT	EV (130200, DCM, "Imaging Agent Administration Steps Name")	1	M		
3	>	CONTAINS	TEXT	EV (130199, DCM, "Imaging Agent Administration Steps Description")	1	U		
4	>	CONTAINS	INCLUDE	DTID 11007 “Imaging Agent Administration Step”	1-n	U		

TID 11007 Imaging Agent Administration Step

This template provides detailed information on an Imaging Agent Administration step. A step is part of a plan. Steps are usually distinguished from other steps because an operator's intervention is required between steps. Steps are also distinguished when they have different routes of administration. A step may consist of multiple phases.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 11007. Imaging Agent Administration Step

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130195, DCM, "Imaging Agent Administration Step")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	CONTAINS	TEXT	EV (130196, DCM, "Imaging Agent Administration Step Identifier")	1	M		
3	>	CONTAINS	UIDREF	EV (130246, DCM, "Imaging Agent Administration Performed Step UID")	1	MC	IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	
4	>	CONTAINS	CODE	EV (130181, DCM, "Administration Mode")	1	M		DCID 63 “Imaging Agent Administration Mode”
5	>	CONTAINS	CODE	EV (113874, DCM, "Person Role in Organization")	1-n	MC	IF Row 4 = (130174, DCM, "Manual Administration"	DCID 7450 “Person Roles”
6	>	CONTAINS	CODE	EV (130250, DCM, "Administration Step Type")	1	M		DCID 72 “Imaging Agent Administration Step Type”
7	>	CONTAINS	NUM	EV (130197, DCM, "Administration Delay")	1	U		UNITS = EV (s, UCUM, "s")
8	>	CONTAINS	NUM	EV (130198, DCM, "Scan Delay")	1	U		UNITS = EV (s, UCUM, "s")
9	>	CONTAINS	NUM	EV (130193, DCM, "Pressure Limit")	1	UC	IFF Row 4 = (130173, DCM, "Automated Administration")	UNITS = EV (kPa, UCUM, "kPa")
10	>	CONTAINS	CODE	EV (410675002, SCT, "Route of Administration")	1	M		DCID 11 “Route of Administration”
11	>>	HAS PROPERTIES	CODE	EV (272737002, SCT, "Site of")	1	MC	IF Row 10 equals(47625008, SCT, "Intravenous route") OR (12130007, SCT, "Intra-articular route")	DCID 3746 “Percutaneous Entry Site”
12	>>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	MC	IF Row 11 has laterality	DCID 244 “Laterality”
13	>	CONTAINS	INCLUDE	DTID 11008 “Imaging Agent Administration Phase”	1-n	M		
14	>	CONTAINS	INCLUDE	DTID 11023 “Imaging Agent Administration Graph”	1-n	UC	IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	
15	>	CONTAINS	NUM	EV (130219, DCM, "Number of Injector Heads")	1	U		
16	>	CONTAINS	CODE	EV (130218, DCM, "Programmable Device")	1	U		DCID 231 “Yes-No Only”

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
17	>	CONTAINS	CONTAINER	EV (130172, DCM, "Manually triggered injection information")	1	UC	IF Row 4 = (130173, DCM, "Automated Administration") AND IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	
18	>>	CONTAINS	NUM	EV (130241, DCM, "Total Step Volume Administered")	1	M		UNITS = EV (ml, UCUM, "ml")
19	>>	CONTAINS	NUM	EV (130242, DCM, "Total number of manually triggered injections")	1	M		

Content Item Descriptions

Row 14	For a multi- syringe/pump injector there will be one graph per syringe/pump system. This is only included in the performed administration because it is descriptive not prescriptive.

TID 11008 Imaging Agent Administration Phase

This template provides detailed information on Imaging Agent Administration Phase. A phase is part of the administration step and is not interrupted except under abnormal conditions.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 11008. Imaging Agent Administration Phase

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130202, DCM, "Imaging Agent Administration Phase")	1	M		
2	>	CONTAINS	TEXT	EV (130203, DCM, "Imaging Agent Administration Phase Identifier")	1	M		
3	>	CONTAINS	UIDREF	EV (130261, DCM, "Imaging Agent Administration Performed Phase UID")	1	MC	IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	
4	>	CONTAINS	CODE	EV (130204, DCM, "Imaging Agent Administration Phase Type")	1	MC	IF TID 11007 Row 4 = (130173, DCM, "Automated Administration")	DCID 62 “Imaging Agent Administration Phase Type”
5	>	CONTAINS	INCLUDE	DTID 11003 “Imaging Agent Administration Syringe/Pump Phase Activity”	1-n	MC	IF TID 11007 Row 4 = (130173, DCM, "Automated Administration")	
6	>	CONTAINS	NUM	EV (130240, DCM, "Total Phase Volume Administered")	1	M		UNITS = EV (ml, UCUM, "ml")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
7	>	CONTAINS	DATETIME	EV (111526, DCM, "DateTime Started"	1	MC	IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	
8	>	CONTAINS	NUM	EV (C0449238, UMLS, "Duration")	1	MC	IF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	UNITS = EV (s, UCUM, "s")

Content Item Descriptions

Row 2	Imaging Agent Administration Phase Identifier is specified as numeric text string, and shall be treated as the ordinal of the recorded administration phase within an administration step (i.e., "1" for the first phase, "2" for the second, etc.).
Row 5	There will be one item for each syringe / pump activity that is administering an agent during this phase.
Row 7	Datetime that the earliest syringe/pump starts administering.
Row 8	Total duration of this phase starting from where the earliest syringe/pump starts administering until the last syringe/pump ends administering.

Performed Imaging Agent Administration SR IOD Templates

The templates that comprise the Performed Imaging Agent Administration are interconnected as in Figure A-20.

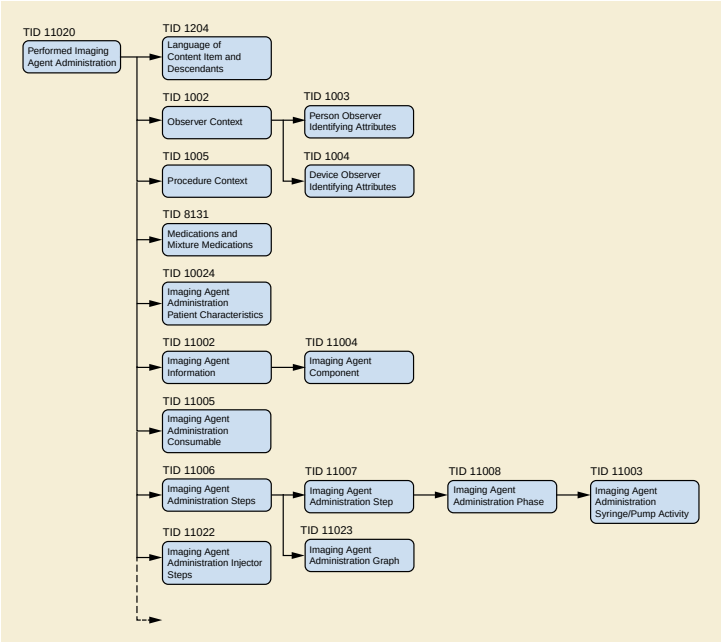

Figure A-20. ~~Planned~~Performed Imaging Agent Administration SR IOD Template Structure

TID 11020 Performed Imaging Agent Administration

Figure A-20: Performed Imaging Agent Administration SR IOD Template Structure

This template defines a container (the root) with subsidiary content items, each of which corresponds to a single Imaging Agent Administration delivered. There is a defined recording observer (the system or person responsible for performing the plan).

Note

A performed SR may document a whole planned SR or only a single part of it. A planned SR can be documented by several performed SRs. It is allowed to aggregate several performed SRs of different performing devices on one patient with the same Study Instance UID for a total description of the administration. The aggregated performed SR should reference the previous Performed Imaging Agent Administrations using the Predecessor Documents Sequence (0040,A360). The individual Performed Administrations can be identified by the (130246, DCM, "Imaging Agent Administration Performed Step UID") of TID 11007 “Imaging Agent Administration Step”.

Type: **Extensible**
Order: **Non-Significant**
Root: **Yes**

Table TID 11020. Performed Imaging Agent Administration

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130227, DCM, "Performed Imaging Agent Administration")	1	M		
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 “Language of Content Item and Descendants”	1	U		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1002 “Observer Context”	1-n	M		
4	>	HAS OBS CONTEXT	INCLUDE	DTID 1005 “Procedure Context”	1	U		
5	>	CONTAINS	INCLUDE	DTID 8131 “Medications and Mixture Medications”	1-n	U		$DrugAdministered = DCID 65 “Pre-medication For Imaging Agent Administration”
6	>	CONTAINS	INCLUDE	DTID 10024 “Imaging Agent Administration Patient Characteristics”	1	U		
7	>	CONTAINS	INCLUDE	DTID 11002 “Imaging Agent Information”	1-n	M		
8	>	CONTAINS	TEXT	EV (55112-7, LN, "Summary")	1	U		
9	>	CONTAINS	INCLUDE	DTID 11005 “Imaging Agent Administration Consumable”	1-n	U		
10	>	CONTAINS	INCLUDE	DTID 11006 “Imaging Agent Administration Steps”	1	M		
11	>	CONTAINS	COMPOSITE	EV (130236, DCM, "Planned Imaging Agent Administration SOP Instance")	1	MC	IF this administration was based on a Planned Imaging Agent Administration SOP Instance.	
12	>	CONTAINS	CODE	EV (130211, DCM, "Imaging Agent Administration Completion Status")	1	M		DCID 67 “Imaging Agent Administration Completion Status”
13	>	CONTAINS	INCLUDE	DTID 11021 “Imaging Agent Administration Adverse Events”	1	U		
14	>	CONTAINS	INCLUDE	DTID 11022 “Imaging Agent Administration Injector Events”	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
15	>	CONTAINS	NUM	EV (130165, DCM, "Total Keep Vein Open Volume Administered"	1	U		UNITS = EV (ml, UCUM, "ml")

Content Item Descriptions

Row 3	Persons and devices responsible for administering the Imaging Agent. If an automated injector was used, it is recorded here.
Row 7	Describes all Imaging Agents used.
Row 8	Summary of individual performed injections. e.g., "Administered 30ml of Ultravist using guage22 via LeftAC."
Row 10	Describes what was delivered.
Row 11	This reference will be to the plan that was actually used. Note If the operator modified a previously stored plan before use, then the modified plan shall be referenced. Stored plans may reference their predecessors using the Predecessor Documents Sequence (0040,A360).

TID 11021 Imaging Agent Administration Adverse Events

This template provides information on adverse events occurring to a patient as a result of administration of an Imaging Agent.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 11021. Imaging Agent Administration Adverse Events

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130212, DCM, "Imaging Agent Administration Adverse Events")	1	M		
2	>	CONTAINS	CODE	EV (130220, DCM, "Administration discontinued")	1	U		DCID 231 “Yes-No Only”
3	>	CONTAINS	CODE	EV (C41331, NCIt, "Adverse Event")	1-n	M		DCID 60 “Imaging Agent Administration Adverse Events”
4	>>	CONTAINS	CODE	EV (246112005, SCT, "Severity")	1	U		BCID (3716) Severity
5	>>	CONTAINS	CODE	EV (118578006, SCT, "Relative Time")	1	U		DCID 61 “Time Relative to Procedure”
6	>>	HAS PROPERTIES	DATETIME	EV (130215, DCM, "Adverse Event Detection DateTime")	1	M		
7	>>	HAS PROPERTIES	NUM	EV (130214, DCM, "Estimated Extravasation Volume")	1	UC	IF Row 3 is EV (95384003, SCT, "Injection Site Extravasation")	Units = EV (ml, UCUM, "ml")

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
8	>>	CONTAINS	UIDREF	EV (130216, DCM, "Referenced Imaging Agent Administration Step UID")	1	U		
9	>>	CONTAINS	UIDREF	EV (130262, DCM, "Referenced Imaging Agent Administration Phase UID")	1	U		
10	>>	CONTAINS	TEXT	EV (121106, DCM, "Comment")	1	U		

Content Item Descriptions

Row 2	Indicates whether the administration is discontinued due to the adverse event. There is no indication of which adverse event if any contributed to the decision to discontinue the administration.
Row 3	Note that presence of this row means the injector was informed about the adverse event by the operating clinician.
Row 6	Date and time when the adverse event was noted by the observer.
Row 8	UID of the performed step (as recorded in Row 3 of TID 11007) in which the adverse event occurred.
Row 9	UID of the performed phase (as recorded in Row 3 of TID 11008) in which the adverse event occurred.

TID 11022 Imaging Agent Administration Injector Events

This template describes events occurring during the administration that are detected by an automated power injector.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 11022. Imaging Agent Administration Injector Events

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130233, DCM, "Imaging Agent Administration Injector Events")	1	M		
2	>	CONTAINS	CODE	EV (130220, DCM, "Administration discontinued")	1	U		DCID 231 “Yes-No Only”
3	>	CONTAINS	CODE	EV (130234, DCM, "Imaging Agent Administration Injector Event Type")	1-n	M		DCID 71 “Imaging Agent Administration Injector Event Type”
4	>>	HAS PROPERTIES	DATETIME	EV (130235, DCM, "Injector Event Detection DateTime")	1	M		
5	>>	HAS PROPERTIES	UIDREF	EV (130216, DCM, "Referenced Imaging Agent Administration Step UID")	1	U		
6	>>	HAS PROPERTIES	UIDREF	EV (130262, DCM, "Referenced Imaging Agent Administration Phase UID")	1	U		
7	>>	HAS PROPERTIES	TEXT	EV (130255, DCM, "Referenced Imaging Agent Identifier")	1	U		Shall be as defined in (130254, DCM, "Imaging Agent Identifier") Row 2 of TID 11002 “Imaging Agent Information”

Content Item Descriptions

Row 4	Date and time of occurrence of the injector event.
Row 5	UID of the performed step (as recorded in Row 3 of TID 11007) in which the injector event occurred.
Row 6	UID of the performed phase (as recorded in Row 3 of TID 11008) in which the injector event occurred.
Row 7	The Imaging Agent being administered when the event was detected.

TID 11023 Imaging Agent Administration Graph

This template describes two-dimensional graph data for a syringe or pump.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 11023. Imaging Agent Administration Graph

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130232, DCM, "Imaging Agent Administration Graph")	1	M		
2	>	CONTAINS	TEXT	EV (130255, DCM, "Referenced Imaging Agent Identifier")	1	M		EV (130254, DCM, "Imaging Agent Identifier")
3	>	CONTAINS	INCLUDE	DTID 3990 “Two Dimensional Measurement Graph”	1	M		$MeasurementGraph = EV (130229, DCM, "Flow Rate vs time") $X-Concept = EV (130194, DCM, "Time after the start of injection") $Y-Concept = EV (122094, DCM, "Rate of administration") $X-AxisUnit = DT (ms, UCUM,"ms") $Y-AxisUnit = DT (ml/s, UCUM,"ml/s")
4	>	CONTAINS	INCLUDE	DTID 3990 “Two Dimensional Measurement Graph”	1	U		$MeasurementGraph = EV (130230, DCM, "Pressure vs Time") $X-Concept = EV (130194, DCM, "Time after the start of injection") $Y-Concept = EV (279046003, SCT, "Pressure") $X-AxisUnit = DT (ms, UCUM,"ms") $Y-AxisUnit = DT (kPa, UCUM,"kPa")

Content Item Descriptions

Row 2	Identifies the Imaging Agent represented in the graph. Will be as defined in TID 11002.

B DCMR Context Groups (Normative)

B.1 Context Groups

This Annex specifies the content of Context Groups required by DICOM IODs.

Note

Section 7.1 of this Part defines the fields of Context Group tables.

CID 2 Anatomic Modifier

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190118**
UID: **1.2.840.10008.6.1.1**

Table CID 2. Anatomic Modifier

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	24028007	Right	G-A100	C0205090
SCT	7771000	Left	G-A101	C0205091
SCT	51440002	Bilateral	G-A102	C0238767
SCT	66459002	Unilateral	G-A103	C0205092
SCT	49370004	Lateral	G-A104	C0205093
~~SCT~~DCM	~~260528009~~130290	Median	~~R-4081A~~	~~C2939193~~
SCT	255549009	Anterior	R-404CC	C1704448
SCT	255551008	Posterior	R-404CE	C0205095
SCT	66787007	Cephalic	G-A107	C0205096
SCT	3583002	Caudal	G-A108	C0205097
SCT	255561001	Medial	R-404D5	C0205098
SCT	26216008	Central	G-A110	C0205099
SCT	14414005	Peripheral	G-A111	C0205100
SCT	261074009	External	R-40941	C0205101
SCT	260521003	Internal	R-40819	C0205102
SCT	11896004	Intermediate	G-A114	C0205103
SCT	261089000	Inferior	R-4094A	C0542339
SCT	264217000	Superior	R-42191	C1282910
SCT	62824007	Transverse	G-A117	C0205106
SCT	40415009	Proximal	G-A118	C0205107
SCT	46053002	Distal	G-A119	C0205108
SCT	60583000	Postaxial	G-A120	C0205109
SCT	32400000	Preaxial	G-A121	C0205110
SCT	43674008	Apical	G-A122	C0205111
SCT	57195005	Basal	G-A123	C0205112
SCT	49530007	Afferent	G-A127	C0205115

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	33843005	Efferent	G-A128	C0205116
SCT	81654009	Coronal	G-A138	C0205123
SCT	26283006	Superficial	G-A139	C0205124
SCT	795002	Deep	G-A140	C0205125
SCT	24020000	Horizontal	G-A142	C0205126
SCT	38717003	Longitudinal	G-A143	C0205127
SCT	33096000	Vertical	G-A144	C0205128
SCT	30730003	Sagittal	G-A145	C0205129
SCT	24422004	Axial	G-A147	C0205131
SCT	87687004	Extra-articular	G-A151	C0205135
SCT	410679008	Surface	G-A206	C0205148
SCT	68493006	Gutter	G-A169	C0205149
SCT	32381004	Hilar	G-A170	C0205150
SCT	11070000	Capsular	G-A171	C0205151
SCT	61397002	Subcapsular	G-A172	C0205152
SCT	57183005	Edge	G-A174	C0205154
SCT	37197008	Anterolateral	G-A180	C0332194
SCT	90069004	Posterolateral	G-A182	C0332195
SCT	131183008	Intra-articular	G-A15A	C0442108
SCT	112233002	Marginal	G-A428	C0205284

CID 4 Anatomic Region

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.2**

Table CID 4. Anatomic Region

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 4030 “CT, MR and PET Anatomy Imaged”				
Include CID 4040 “Endoscopy Anatomic Regions”				
Include CID 4042 “XA/XRF Anatomy Imaged”				
SCT	59652004	Atrium	T-32100	C0018792
SCT	91470000	Axilla	T-D8104	C0004454
SCT	77568009	Back	T-D2100	C0004600
SCT	34411009	Broad ligament	T-D6500	C0006205
SCT	60819002	Buccal region of face	T-D1206	C0007966
SCT	46862004	Buttock	T-D2600	C0006497
SCT	2334006	Calyx	T-72100	C0022651
SCT	60819002	Cheek	T-D1206	C0007966
SCT	28726007	Cornea	T-AA200	C0010031

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	117590005	Ear	T-AB001	C0013443
SCT	51114001	Endo-arterial	T-41000	C0003842
SCT	80891009	Endo-cardiac	T-32000	C0018787
SCT	32849002	Endo-esophageal	T-56000	C0014876
SCT	53342003	Endo-nasal	T-21300	C0225425
SCT	18962004	Endo-nasopharyngeal	T-23050	C0225497
SCT	34402009	Endo-rectal	T-59600	C0034896
SCT	64033007	Endo-renal	T-71000	C0022646
SCT	87953007	Endo-ureteric	T-73000	C0041951
SCT	13648007	Endo-urethral	T-75000	C0041967
SCT	76784001	Endo-vaginal	T-82000	C0042232
SCT	59820001	Endo-vascular	T-40000	C0005847
SCT	29092000	Endo-venous	T-48000	C0042449
SCT	48367006	Endo-vesical	T-74250	C0227710
SCT	27947004	Epigastric region	T-D4200	C0230185
SCT	80243003	Eyelid	T-AA810	C0015426
SCT	89545001	Face	T-D1200	C0015450
SCT	58602004	Flank	T-D2310	C0230171
SCT	79361005	Fontanel of skull	T-15200	C0224548
SCT	46862004	Gluteal region	T-D2600	C0006497
SCT	24136001	Hip joint	T-15710	C0019558
SCT	11708003	Hypogastric region	T-D4240	C0230189
SCT	170887008	Submental	T-D161E	C0931905
SCT	81502006	Hypopharynx	T-55300	C0020629
SCT	52731004	Intra-abdominal	T-D4010	C0230168
SCT	131183008	Intra-articular	G-A15A	C0442108
SCT	1101003	Intracranial	T-D1400	C0230041
SCT	32849002	Intra-esophageal	T-56000	C0014876
SCT	21844003	Intra-pelvic	T-D6221	C0559769
SCT	51185008	Intra-thoracic	T-D3000	C0817096
SCT	133945003	Left hypochondriac region	T-D4211	C0738591
SCT	85119005	Left inguinal region	T-D7020	C0230321
SCT	68505006	Left lower quadrant of abdomen	T-D4140	C0230180
SCT	133943005	Left lumbar region	T-D2340	C1297910
SCT	86367003	Left upper quadrant of abdomen	T-D4130	C0230179
SCT	19100000	Lower inner quadrant of breast	T-04003	C0222597
SCT	33564002	Lower outer quadrant of breast	T-04005	C0222599
SCT	52612000	Lumbar region	T-D2300	C0024090
SCT	39607008	Lung	T-28000	C0024109

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	123851003	Mouth	T-D0662	C0230028
SCT	45206002	Nose	T-21000	C0028429
SCT	113346000	Omental bursa	T-D4450	C0230212
SCT	27398004	Omentum	T-D4600	C0028977
SCT	15497006	Ovary	T-87000	C0029939
SCT	69930009	Pancreatic duct	T-65010	C0030288
SCT	91691001	Parasternal	T-D3136	C0458345
SCT	18911002	Penis	T-91000	C0030851
SCT	38864007	Perineum	T-D2700	C0031066
SCT	32361000	Popliteal fossa	T-D9310	C0230436
SCT	25990002	Renal pelvis	T-72000	C0227666
SCT	82849001	Retroperitoneum	T-D4900	C0035359
SCT	133946002	Right hypochondriac region	T-D4212	C0738590
SCT	37117007	Right inguinal region	T-D7010	C0230318
SCT	48544008	Right lower quadrant of abdomen	T-D4120	C0230178
SCT	133944004	Right lumbar region	T-D2342	C1297911
SCT	50519007	Right upper quadrant of abdomen	T-D4110	C0230177
SCT	41695006	Scalp	T-D1160	C0036270
SCT	18619003	Sclera	T-AA110	C0036410
SCT	20233005	Scrotum	T-98000	C0036471
SCT	2748008	Spinal cord	T-A7010	C0037925
SCT	19695001	Subcostal	T-D4210	C0442184
SCT	5713008	Submandibular area	T-D1603	C0230070
SCT	5076001	Subxiphoid	T-D3213	C0230144
SCT	77621008	Supraclavicular region of neck	T-D1620	C0230078
SCT	11708003	Suprapubic region	T-D4240	C0230189
SCT	26493002	Suprasternal notch	T-11218	C0222769
SCT	68367000	Thigh	T-D9100	C0039866
SCT	51185008	Thorax	T-D3000	C0817096
SCT	21974007	Tongue	T-53000	C0040408
SCT	90290004	Umbilical region	T-D4230	C0041638
SCT	77831004	Upper inner quadrant of breast	T-04002	C0222596
SCT	76365002	Upper outer quadrant of breast	T-04004	C0222598
SCT	76784001	Vagina	T-82000	C0042232
SCT	118375008	Vascular graft	A-04140	C1289794
SCT	21814001	Ventricle	T-32400	C0018827
SCT	45292006	Vulva	T-81000	C0042993
SCT	74670003	Wrist joint	T-15460	C1322271

CID 5 Transducer Approach

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.3**

Table CID 5. Transducer Approach

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	24028007	Right	G-A100	C0205090
SCT	7771000	Left	G-A101	C0205091
SCT	49370004	Lateral	G-A104	C0205093
SCT	255549009	Anterior	R-404CC	C1704448
SCT	255551008	Posterior	R-404CE	C0205095
SCT	3583002	Caudal	G-A108	C0205097
SCT	255561001	Medial	R-404D5	C0205098
SCT	26216008	Central	G-A110	C0205099
SCT	14414005	Peripheral	G-A111	C0205100
SCT	261074009	External	R-40941	C0205101
SCT	260521003	Internal	R-40819	C0205102
SCT	261089000	Inferior	R-4094A	C0542339
SCT	264217000	Superior	R-42191	C1282910
SCT	62824007	Transverse	G-A117	C0205106
SCT	40415009	Proximal	G-A118	C0205107
SCT	46053002	Distal	G-A119	C0205108
SCT	43674008	Apical	G-A122	C0205111
SCT	410679008	Surface	G-A206	C0205148
SCT	79458005	Ascending	G-A599	C0205385
SCT	75294000	Descending	G-A600	C0205386
SCT	71966008	Subcutaneous tissue	T-03000	C0278403
SCT	18545000	Dura mater	T-A1120	C0013313
SCT	23180006	Pia mater	T-A1280	C0031869
SCT	102322008	External prosthesis for sonographic procedure [Stand-off]	A-2C600	C0522650
SCT	102323003	Water bag prosthesis for imaging procedure	A-2C602	C0522651
SCT	102324009	Saline bag prosthesis for imaging procedure	A-2C604	C0522652
SCT	102325005	Gel prosthesis for imaging procedure	A-2C606	C0522653
SCT	66787007	Cranial	G-A107	C0205096
SCT	261129000	Midline	G-A10A	C0441992
SCT	103342007	Mid-longitudinal	G-A188	C0522490
SCT	103343002	Parasagittal	G-A189	C0522491

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	264045001	Intraluminal	R-42142	C0442115
SCT	11070000	Capsular	G-A171	C0205151
SCT	113342003	Lumen	T-D0048	C0524461
SCT	11723008	Contact with	G-4022	C0332158
SCT	91772007	Parenchyma	T-D0062	C0524464

Note

In a prior version of this Context Group, the codes G-A11A, G-A11B, G-A12A, G-A16A, G-A16B, G-A16C, and G-A16D were specified for various concepts. The use of some of those codes conflicts with their assignment to other concepts in SNOMED, and their use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 6 Transducer Orientation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040322**
UID: **1.2.840.10008.6.1.4**

Table CID 6. Transducer Orientation

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	81654009	Coronal	G-A138	C0205123
SCT	38717003	Longitudinal	G-A143	C0205127
SCT	30730003	Sagittal	G-A145	C0205129
SCT	103343002	Parasagittal	G-A189	C0522491
SCT	21114003	Oblique	G-A472	C0205315
SCT	103339001	Long axis	G-A185	C0522487
SCT	419161000	Off axis	G-A13B	C1635161
SCT	103340004	Short axis	G-A186	C0522488
SCT	398994001	Five chamber	G-A191	C1302157
SCT	399232001	Two chamber	G-A19B	C1302267
SCT	399214001	Four chamber	G-A19C	C1302256
SCT	62824007	Transverse	G-A117	C0205106

Note

In a prior version of this table, the code G-A11B was specified for the concept Parasagittal. The use of this code conflicts with its assignment to another concept in SNOMED, and its use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 7 Ultrasound Beam Path

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.5**

Table CID 7. Ultrasound Beam Path

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	103381007	Trans-hepatic	G-D027	C0522516
SCT	103353001	Trans-gastric	G-A1B2	C0442355
SCT	103348006	Trans-pleural	G-A1A5	C0522494
SCT	103354007	Trans-mural	G-A1B3	C0522497
SCT	129226004	Trans-orbital	G-D065	C0442367
SCT	103349003	Trans-pancreatic	G-A1A6	C0522495
SCT	103347001	Trans-renal	G-A1A4	C0522493
SCT	103382000	Trans-temporal	G-D032	C0522517
SCT	103345009	Trans-thecal	G-A1A2	C0522492
SCT	103344008	Trans-vesical	G-A1A1	C0442393
SCT	103346005	Trans-splenic	G-A1A3	C0589466
SCT	103383005	Trans-esophageal	G-D033	C0522518
SCT	66739002	Trans-abdominal	G-D001	C0205496
SCT	54300008	Trans-vaginal (endovaginal)	G-D002	C0175672

CID 8 Angiographic Interventional Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.6**

Table CID 8. Angiographic Interventional Devices

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	65818007	Stent	A-25500	C0038257
SCT	19923001	Catheter	A-26800	C0085590
SCT	38586004	Laser	A-81080	C0458142
SCT	57126000	Glue	C-20005	C0017780
SCT	102312002	Atherectomy device	A-25600	C0522642
SCT	102315000	Embolization ball	A-25614	C0522645
SCT	102319006	Percutaneous transluminal angioplasty balloon	A-26912	C0522648
SCT	102314001	Embolization coil	A-25612	C0522644
SCT	102314001	Gianturco coil	A-25612	C0522644
SCT	102320000	Detachable balloon	A-27322	C0522649
SCT	102317008	Guiding catheter	A-26802	C0221799
SCT	102316004	Embolization particulate	A-25616	C0522646
SCT	102313007	Rotational atherectomy device	A-25610	C0522643
SCT	102304005	Measuring ruler	A-10141	C0522637
DCM	122485	Sphere		

CID 9 Image Guided Therapeutic Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.7**

Table CID 9. Image Guided Therapeutic Procedures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	32318003	Vasoconstriction	F-39780	C0042396
SCT	30017007	Vasodilatation	F-39800	C0042401
SCT	86273004	Biopsy	P1-03100	C0005558
SCT	10849003	Removal of foreign body	P1-03176	C0184937
SCT	69245005	Intra-arterial infusion of thrombolytic agent	P1-05035	C0184952
SCT	8592001	Irrigation following insertion of catheter	P1-05052	C0022101
SCT	45211000	Catheterization	P1-05535	C0007430
SCT	6832004	Atherectomy	P1-30350	C0162513
SCT	65659003	Atherectomy by rotary cutter	P1-30351	C0162655
SCT	76611008	Atherectomy by laser	P1-30352	C0521229
SCT	57238002	Selective embolization of artery	P1-30530	C0189632
SCT	68457009	Percutaneous transluminal balloon angioplasty	P5-31500	C0411287
SCT	16736007	Transcatheter therapy for embolization	P5-39010	C0203006
SCT	240946003	Percutaneous retrieval of intravascular foreign body	P0-05AFA	C0411305
SCT	103709008	Failed attempted procedure	P1-00018	C0522770
SCT	103716009	Stent placement	P1-05550	C0522776
SCT	103712006	Catheter manipulation	P1-05536	C0522773
SCT	103713001	Catheter replacement	P1-05537	C0522774
SCT	103714007	Occlusion of catheter	P1-05538	C0522775
SCT	103715008	Removal of catheter	P1-05539	C0394884
SCT	105372003	Transcatheter deployment of detachable balloon	P5-39015	C0524313
SCT	105373008	Percutaneous insertion of intravascular filter	P5-39191	C0524314
SCT	34536000	Amniocentesis	P1-86100	C0002627
SCT	65388005	Ultrasonic guidance for amniocentesis	P5-B8310	C0203432
SCT	15415002	Amnioinfusion [injection of amnion]	P1-86520	C0521272
SCT	6708002	Intrauterine cordocentesis	P1-86180	C0162650
SCT	91602002	Thoracentesis	P1-28160	C0189477
SCT	65240009	Breech Version [Obstetrical Version]	P1-86E70	C0195731
SCT	45460008	Intrauterine transfusion	P2-68060	C0005843

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133874006	Fetocide (selective reduction)	P1-86C50	C1297889
SCT	133875007	Prostaglandin injection	P1-93506	C1297890

CID 10 Interventional Drug

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.8**

Table CID 10. Interventional Drug

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	419442005	Ethanol	C-21047	C0001962
SCT	6725000	Methylene blue	C-22947	C0025746
SCT	6425004	Antihistamine	C-51000	C0003360
SCT	73949004	Atropine	C-67770	C0004259
SCT	30492008	Diuretic	C-72000	C0012798
SCT	67507000	Antiarrhythmic drug	C-80110	C0003195
SCT	111139005	Inotropic agent	C-80120	C0304509
SCT	69440003	Cardiotonic drug	C-80123	C0007209
SCT	373263004	Cardiac adrenergic blocking agent	F-6181D	C1277070
SCT	67440007	Alpha-adrenergic blocking agent	C-80131	C0001641
SCT	33252009	beta-Adrenergic blocking agent	C-80135	C0001645
SCT	796001	Digoxin	C-80330	C0012265
SCT	82573000	Lidocaine	C-80400	C0023660
SCT	61773008	Lidocaine hydrochloride	C-80401	C0546869
SCT	85272000	Nifedipine	C-80430	C0028066
SCT	55745002	Propranolol	C-80450	C0033497
SCT	31306009	Quinidine	C-80460	C0034414
SCT	47898004	Verapamil	C-80490	C0042523
SCT	1182007	Hypotensive agent	C-81100	C0003364
SCT	4382004	Centrally acting hypotensive agent	C-81120	C0304523
SCT	71759000	Nitroglycerin	C-81560	C0017887
SCT	10712001	Glucagon preparation	C-A2010	C0017687
SCT	81839001	Anticoagulant	C-A6500	C0003280
SCT	48603004	Warfarin	C-A6530	C0043031
SCT	84812008	Heparin	C-A6540	C0019134
SCT	3361000	Anti-heparin agent	C-A6700	C0304941
SCT	64520006	Protamine sulfate	C-A6710	C0033602
SCT	15117003	Coagulant	C-A6900	C0009117
SCT	418326009	Human fibrinogen	F-D7011	C2587184

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	26370007	Hemostatic agent	C-A7000	C0019120
SCT	60533005	Astringent drug	C-A7001	C0004110
SCT	59057006	Antihemophilic factor preparation	C-A7021	C0301494
SCT	36176003	Thrombin preparation	F-6ACA0	C0040018
SCT	65265006	Thromboplastin	F-D7B50	C0040048
SCT	13132007	Dextran	C-A7220	C0086140
SCT	303960004	Thrombolytic agent	C-50434	C0016018
SCT	20847002	Streptokinase preparation	C-A7420	C0038418
SCT	59082006	Urokinase preparation	C-A7430	C0042071
SCT	87811005	Injectable fibrinolysin	C-A7440	C0301485
SCT	19041007	Tolazoline hydrocholoride	C-815E1	C0770500
SCT	387362001	Epinephrine	F-B2135	C0014563

CID 11 Route of Administration

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.9**

Table CID 11. Route of Administration

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	47625008	Intravenous route	G-D101	C1522726
SCT	58100008	Intra-arterial route	G-D102	C1561451
SCT	78421000	Intramuscular route	G-D103	C1556154
SCT	34206005	Subcutaneous route	G-D104	C1522438
SCT	372464004	Intracutaneous route	G-D17D	C1522475
SCT	38239002	Intraperitoneal route	G-D106	C1522583
SCT	60213007	Intramedullary route	G-D107	C1512957
SCT	72607000	Intrathecal route	G-D108	C0677897
SCT	12130007	Intra-articular route	G-D109	C0205528
NCIt	C38244	Intraepithelial route		C1512943
SCT	6064005	Topical route	G-D112	C1522168
SCT	26643006	Oral route	G-D140	C1527415
NCIt	C38306	Transluminal route		C1522231
SCT	37737002	Intraluminal route	G-D144	C1522217
NCIt	C38213	Extraluminal route		C1517059
SCT	446406008	By inhalation	R-40B32	C1998547
SCT	37161004	Per rectum	G-D160	C1527425
SCT	16857009	Vaginal route	G-D164	C1522570
SCT	372463005	Intracoronary route	G-D17C	C0595454

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	372460008	Intracardiac route	G-D173	C1522207
SCT	420287000	Intraventricular route - cardiac	R-F2C86	C1720462
DCM	127070	Retro-orbital route		
SCT	46713006	Nasal route	G-D172	C1522019
SCT	372464004	Intradermal route	G-D17D	C1522475
SCT	447122006	Intratumor route	R-F2CD4	C2960749

CID 12 Radiographic Contrast Agent

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.10**

Table CID 12. Radiographic Contrast Agent

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Trade Name (Informative)
SCT	15158005	Air	A-80230	C0001861	
SCT	24099007	Oxygen	C-10110	C0030054	
SCT	11713004	Water	C-10120	C0043047	
SCT	31811003	Carbon dioxide	C-10520	C0007012	
SCT	25419009	Barium Sulfate	C-12217	C0004754	
SCT	58281002	Gadolinium	C-17800	C0016911	
SCT	7140000	Contrast agent	C-B0300	C2930749	
SCT	7140000	Radiopaque medium	C-B0300	C2930749	
SCT	43538006	Non radiopaque medium	C-B0312	C0301446	
SCT	90745007	Bunamiodyl	C-B0315	C0623554	
SCT	62442005	Chloriodized oil	C-B0316	C0301444	
SCT	12335007	Diatrizoate	C-B0317	C0012004	Angiovist™(Berlex), Cardiografin™(Bracco), Cystografin™(Bracco), Gastrografin™(Bracco), Gastrovist™(Berlex), Hypaque™(GE), MD-nn™(Mallinckrodt), Reno-nn™(Bracco), Renografin™(Bracco), Renovist™(Bracco), Sinografin™(Bracco), Urovist™(Berlex)
SCT	73212002	Iodipamide	C-B0318	C0021971	Cholographin™(Bracco), Sinografin™(Bracco)
SCT	89595000	Iodized oil	C-B0319	C0021972	
SCT	86584005	Iodoalphionic acid	C-B0323	C0063766	

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Trade Name (Informative)
SCT	69783005	Meglumine iodipamide	C-B0324	C0065885	Cholographin Meglumine™(Bracco)
SCT	925002	Sodium iodipamide	C-B0325	C0301445	Cholographin Sodium™(Bracco)
SCT	12801003	Iodamide meglumine	C-B0326	C0065884	Renovue™(Bracco)
SCT	40710000	Iodopyracet	C-B0327	C0021990	
SCT	76155001	Iopanoic acid	C-B0328	C0022028	Telepaque™(GE)
SCT	28121005	Iophendylate	C-B0331	C0022029	Pantopaque™(Alcon)
SCT	23053002	Iophenoxic acid	C-B0333	C0063816	
SCT	87445005	Ipodate	C-B0335	C0022049	Bilivist™(Berlex), Oragrafin™(Bracco)
SCT	111158001	Propyliodone	C-B0337	C0033509	Dionosil™(GSK)
SCT	32836007	Sodium acetrizoate	C-B0338	C0546847	Salpix™(Ortho)
SCT	74554008	Iodophthalein	C-B0341	C0163095	
SCT	83423008	Sodium diprotrizoate	C-B0342	C0301447	
SCT	38344006	Sodium iodomethamate	C-B0344	C0301448	
SCT	47192000	Meglumine diatrizoate	C-B0345	C0012005	Angiovist™(Berlex), Cardiografin™(Bracco), Cystografin™(Bracco), Gastrografin™(Bracco), Gastrovist™(Berlex), Hypaque™(GE), MD-nn™(Mallinckrodt), Reno-nn™(Bracco), Renografin™(Bracco), Renovist™(Bracco), Sinografin™(Bracco), Urovist™(Berlex)
SCT	24891006	Sodium diatrizoate	C-B0347	C0012007	Angiovist™(Berlex), Gastrografin™(Bracco), Gastrovist™(Berlex), Hypaque™(GE), MD-nn™(Mallinckrodt), Renografin™(Bracco), Renovist™(Bracco), Urovist™(Berlex)
SCT	90733003	Metrizamide	C-B0348	C0025869	Amipaque™(GE)
SCT	109212003	Sodium tyropanoate	C-B0314	C0936260	
SCT	96387000	Ionic iodinated contrast agent	C-B0301	C0361904	
DCM	127855	Non-ionic iodinated contrast agent		C0521968	
SCT	109218004	Iohexol	C-B0322	C0022005	Omnipaque™(GE)
SCT	353962003	Iodixanol	C-B03BC	C0063757	Visipaque™(GE)
SCT	354088005	Gadodiamide	C-B03C3	C0082646	Omniscan™(GE)
SCT	410873007	Mangafodipir trisodium	C-B05A3	C0067297	Teslascan™(GE)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Trade Name (Informative)
SCT	353912008	Iothalamate	C-B038B	C0022032	Conray™(Mallinckrodt), Cysto-Conray™(Mallinckrodt), Vascoray™(Mallinckrodt)
SCT	109223004	Ioxaglate	C-B0339	C0205807	Hexbrix™(Mallinckrodt)
SCT	354094002	Metrizoate	C-B03C9	C0025870	Isopaque™(GE)
SCT	404846007	Gadopentetate dimeglumine	C-B014D	C0060934	Magnevist™(Berlex)
SCT	109219007	Iopamidol	C-B0329	C0022026	Isovue™(Bracco)
SCT	109222009	Ioversol	C-B0332	C0063828	Optiray™(Mallinckrodt)
SCT	353903006	Iopromide	C-B0382	C0063817	Ultravist or Imeron
SCT	409484007	Ioxilan	C-B0303	C0063829	Imagenil

Note

- The codes drawn from SNOMED are recommended to be those from the concept hierarchy of "radiographic contrast media" in the hierarchy "pharmaceutical/biological product", and secondarily from the hierarchy "substance".
- Trade names are from http://www.accessdata.fda.gov/scripts/cder/drugsatfda/index.cfm.

CID 13 Radiographic Contrast Agent Ingredient

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051101**
UID: **1.2.840.10008.6.1.11**

Table CID 13. Radiographic Contrast Agent Ingredient

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	44588005	Iodine	C-11400	C0021968
SCT	58281002	Gadolinium	C-17800	C0016911
SCT	31811003	Carbon Dioxide	C-10520	C0007012
SCT	39290007	Barium	C-12200	C0004749
SCT	83598005	Xenon	C-17200	C0043339
SCT	15158005	Air	A-80230	C0001861
SCT	24099007	Oxygen	C-10110	C0030054
SCT	11713004	Water	C-10120	C0043047
SCT	105840005	Iron	C-130F9	C0303213

CID 18 Isotopes in Radiopharmaceuticals

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.12**

Table CID 18. Isotopes in Radiopharmaceuticals

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	71647005	^14^Carbon	C-105A2	C0302945
SCT	77004003	^18^Fluorine	C-111A1	C0302995
SCT	71633006	^22^Sodium	C-155A1	C0303511
SCT	58541008	^24^Sodium	C-155A2	C0303512
SCT	32505007	^32^Phosphorus	C-106A1	C0851287
SCT	59844004	^42^Potassium	C-135A2	C0303277
SCT	8202008	^43^Potassium	C-135A3	C0303278
SCT	52745005	^51^Chromium	C-129A2	C0303212
SCT	27054007	^57^Cobalt	C-144A3	C0303392
SCT	89272005	^58^Cobalt	C-144A4	C0303393
SCT	68580003	^59^Iron	C-130A3	C0303220
SCT	5405008	^60^Cobalt	C-144A6	C0303395
SCT	3932008	^64^Copper	C-127A2	C0303190
SCT	53700003	^67^Copper	C-127A3	C0303191
SCT	2008008	^67^Gallium	C-131A2	C0303225
SCT	43239002	^75^Selenium	C-116A3	C0303048
SCT	61716009	^81m^Krypton	C-173A5	C0303689
SCT	34127007	^85^Krypton	C-173A7	C0303691
SCT	111084009	^85^Strontium	C-158A3	C0303544
SCT	78023008	^87m^Strontium	C-158A5	C0303546
SCT	7770004	^89^Strontium	C-158A6	C0281385
SCT	14691008	^90^Yttrium	C-162A7	C0303596
SCT	23788009	^97^Ruthenium	C-180A2	C0303730
SCT	72454006	^99m^Technetium	C-163A8	C0303611
SCT	56609000	^111^Indium	C-145A4	C0303403
SCT	48895003	^113m^Indium	C-145A5	C0303404
SCT	21572004	^123^Iodine	C-114A4	C0303023
SCT	68630002	^125^Iodine	C-114A6	C0796396
SCT	27081007	^127^Xenon	C-172A5	C0303677
SCT	1368003	^131^Iodine	C-114B1	C0303029
SCT	3027009	^133^Barium	C-122A5	C0303126
SCT	80751004	^133^Xenon	C-172A8	C0872916
SCT	14529005	^153^Gadolinium	C-178A8	C0303714
SCT	419804008	^153^Samarium	C-B1134	C0677942
SCT	41758004	^169^Ytterbium	C-181A3	C0303739
SCT	447553000	^177^Lutetium	C-101ED	C2959378
SCT	6301006	^178^Tantalum	C-156A6	C0303521
SCT	395865006	^186^Rhenium	C-11906	C1273039
SCT	423578007	^188^Rhenium	C-1018D	C1828331
DCM	126604	^191m^Iridium		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	24301009	^198^Gold	C-146A9	C0303420
SCT	70544003	^199^Gold	C-146B1	C0303421
SCT	60057003	^201^Thallium	C-138A9	C0303322
SCT	47588004	^203^Lead	C-132A8	C0303240
SCT	24853006	^223^Radium	C-136A2	C0303282

CID 19 Patient Orientation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.13**

Table CID 19. Patient Orientation

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
NCIt	C86043	erect		C0522015
SCT	102538003	recumbent	F-10450	C0444334
SCT	102539006	semi-erect	F-10460	C0522018

In a prior version of this Context Group (102537008, SCT, "Upright body position (finding)") was specified for the concept "erect" but has been inactivated as being ambiguous, with no suitable replacement. Accordingly the NCIt concept of "upright" defined as "in a vertical position or posture" is used as a replacement.

CID 20 Patient Orientation Modifier

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070524**
UID: **1.2.840.10008.6.1.14**

Table CID 20. Patient Orientation Modifier

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	1240000	prone	F-10310	C0033422
SCT	34026001	semi-prone	F-10316	C0150435
SCT	32185000	lateral decubitus	F-10318	C0444379
SCT	10904000	standing	F-10320	C0231472
SCT	51845000	anatomical	F-10326	C0277809
SCT	55864004	kneeling	F-10330	C1260920
SCT	23242002	knee-chest	F-10336	C0277810
SCT	40199007	supine	F-10340	C0038846
SCT	14205002	lithotomy	F-10346	C0150665
SCT	34106002	Trendelenburg	F-10348	C0277812
SCT	26527006	inverse Trendelenburg	F-10349	C0277813
SCT	34296003	frog	F-10380	C0426962
SCT	87068006	stooped-over	F-10390	C0231478

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	33586001	sitting	F-103A0	C0277814
SCT	34108001	curled-up	F-10410	C0277815
SCT	102535000	right lateral decubitus	F-10317	C0559228
SCT	102536004	left lateral decubitus	F-10319	C0559227
SCT	260450008	lordotic	R-40799	C0442217

CID 21 Patient Equipment Relationship

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.15**

Table CID 21. Patient Equipment Relationship

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399366008	oblique	R-10516	C1302343
SCT	102540008	headfirst	F-10470	C0522020
SCT	102541007	feet-first	F-10480	C0522022
SCT	399220000	transverse	R-10515	C1302259
DCM	126830	left first		
DCM	126831	right first		
DCM	126832	posterior first		
DCM	126833	anterior first		

Note

1. In a prior version of this Context Group, the codes G-5190 and G-5191 were specified for the concepts "headfirst" and "feet-first". The use of these codes is deprecated as they are not actually in SNOMED. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

2. For devices that do not have a conventional gantry geometry, the vendor of that device may describe in the Conformance Statement how the codes are interpreted with respect to the device geometry.

3. (126830, DCM, "left first"), (126831, DCM, "right first), (126832, DCM, "posterior first) and (126833, DCM, "anterior first) are more specific than (399220000, SCT, "transverse") in that they specify which side of the patient is towards the front of the equipment.

4. For quadrupeds, separate concepts for ventral and dorsal are not introduced, rather it is expected that anterior and posterior will be considered synonymous as they are when applied to the trunk.

CID 23 Cranio-Caudad Angulation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.16**

Table CID 23. Cranio-Caudad Angulation

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	66787007	Cephalic	G-A107	C0205096
SCT	3583002	Caudal	G-A108	C0205097

CID 25 Radiopharmaceuticals

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190124**
UID: **1.2.840.10008.6.1.17**

Table CID 25. Radiopharmaceuticals

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Trade name (Informative)
SCT	2942001	Carbon^14^ D-xylose	C-B1302	C0305043	
SCT	42417005	Carbon^14^ triolein	C-B1300	C0305042	
SCT	70086001	Cholyl-carbon^14^ glycine	C-B1304	C0305044	
SCT	17069007	Chromic phosphate P^32^	C-B1140	C0392428	
SCT	4693006	Chromium^51^ albumin	C-B1012	C0304956	
SCT	6973004	Chromium^51^ chloride	C-B1013	C0304957	
SCT	37947008	Colloidal gold Au^198^	C-B1051	C0304966	
SCT	30825005	Colloidal Indium^111^	C-B1063	C0304969	
SCT	78686003	Copper^64^ acetate	C-B1017	C0304959	
SCT	88166005	Copper^64^ versenate	C-B1016	C0304958	
SCT	29460005	Copper^67^ ceruloplasmin	C-B1018	C0304960	
SCT	187006	Cyanocobalamin Co^57^	C-B1021	C0304961	
SCT	5692007	Cyanocobalamin Co^58^	C-B1022	C0304962	
SCT	72159005	Cyanocobalamin Co^60^	C-B1023	C0304963	
SCT	17600005	Diagnostic radioisotope	C-B1000	C0360048	
SCT	53207004	Diiodofluorecein I^131^	C-B1092	C0304989	
SCT	56475001	Disodium indium^111^	C-B1062	C0304968	
SCT	31192007	Ferrous chloride Fe^59^	C-B1122	C0305004	
SCT	87958003	Ferrous citrate Fe^59^	C-B1121	C0305003	
SCT	125001	Ferrous sulfate Fe^59^	C-B1123	C0305005	
SCT	71636003	Fibrinogen I^123^	C-B1082	C0304978	
SCT	35321007	Fluorodeoxyglucose F^18^	C-B1031	C0046056	
SCT	73065000	Gallium^67^ citrate	C-B1041	C0893383	
SCT	446871009	Indium^111 Capromab Pendetide	C-145AB	C2959379	Prostascint
SCT	395742005	Indium^111 Chloride	C-14512	C0087296	Zevalin
SCT	446800006	Indium^111 Pentetreotide	C-145AA	C0379955	Octreoscan
SCT	29218008	Indium^111^ pentetate	C-B1061	C0304967	
SCT	81621007	Indium^111^ red cell label	C-B1066	C0304971	

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Trade name (Informative)
SCT	78570003	Indium^111^ transferrin	C-B1067	C0936259	
SCT	6516008	Indium^111^-Fe(OH) >3<	C-B1065	C0304970	
SCT	424570009	Indium^111^oxyquinoline	C-B1135	C1827660	
SCT	90617008	Indium^113m^ bleomycin	C-B1068	C0304972	
SCT	21451004	Indium^113m^ chloride	C-B1069	C0361440	
SCT	56006008	Indium^113m^ oxoquinoline platelet label	C-B1072	C0304975	
SCT	56867003	Indium^113m^ oxoquinoline RBC label	C-B1073	C0304976	
SCT	77510008	Indium^113m^ oxoquinoline WBC label	C-B1071	C0304974	
SCT	42728008	Indium^113m^ pentetate	C-B1070	C0304973	
SCT	72015003	Iodinated I^125^ albumin	C-B1084	C0304980	
SCT	64488003	Iodinated I^125^ human serum albumin	C-B1100	C0304997	
SCT	80260008	Iodinated I^125^ levothyroxine	C-B1094	C0304991	
SCT	73745003	Iodinated I^125^ oleic acid and triolein	C-B1093	C0304990	
SCT	69839009	Iodinated I^125^ povidone	C-B1096	C0304993	
SCT	21378001	Iodinated I^125^ Rose Bengal	C-B1097	C0304994	
SCT	37437001	Iodinated I^125^ sealed source	C-B1098	C0304995	
SCT	70154008	Iodinated I^125^ sodium iodine	C-B1099	C0304996	
SCT	55814006	Iodinated I^131^ aggregated albumin	C-B1090	C0304986	
SCT	39200002	Iodinated I^131^ albumin	C-B1089	C0304985	
SCT	52408003	Iodinated I^131^ gamma globulin	C-B1111	C0305002	
SCT	447134003	Iodine^123 15-(4-Iodophenyl)-3(R,S)-Methylpentadecanoic Acid	C-114AB	C2959625	Cardiodine
SCT	395787009	Iodine^123 3-Iodobenzylguanidine MIBG	C-B110E	C0887719	
SCT	395789007	Iodine^131 3-Iodobenzylguanidine MIBG	C-B112D	C0524959	
SCT	446531006	Iodine^131 Methylnorcholestenol	C-114B6	C2960809	Adosterol
SCT	35884005	Iodine^131^ polyvinylpyrrolidone	C-B1109	C0305001	
SCT	68967007	Iodocholesterol I^131^	C-B1087	C0304983	
SCT	33785000	Iodohippurate I^123^ sodium	C-B1095	C0304992	
SCT	36900006	Iodohippurate I^125^ sodium	C-B1105	C0304998	
SCT	33271006	Iodohippurate I^131^ sodium	C-B1091	C0304987	
SCT	78481003	Iofetamine I^123^ hydrochloride	C-B1108	C0305000	
SCT	55673009	Iothalamate sodium I^125^	C-B1088	C0304984	
SCT	60459006	Iron Fe^59^ labeled dextran	C-B1124	C0305006	
SCT	61716009	Krypton^81m	C-173A5	C0303689	
SCT	22979004	Oleic acid I^125^	C-B1083	C0304979	
SCT	29348008	Pentetate calcium trisodium Yb^169^	C-B1251	C0305041	
SCT	111161000	Potassium carbonate K^42^	C-B1151	C0305009	
SCT	36641004	Potassium chloride K^42^	C-B1152	C0305010	
SCT	47729008	Potassium chloride K^43^	C-B1150	C0305008	
SCT	111159009	Rose Bengal sodium I^131^	C-B1085	C0282340	

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Trade name (Informative)
SCT	13626001	Selenium^75^ HCAT	C-B1172	C0046666	
SCT	88473009	Selenomethionione Se^75^	C-B1171	C0034616	
SCT	6257000	Sodium chloride Na^22^	C-B1176	C0205951	
SCT	31527000	Sodium chloride Na^24^	C-B1175	C0305013	
SCT	62517004	Sodium chromate Cr^51^	C-B1011	C0304955	
SCT	129501009	Sodium fluoride F^18^	C-B1032	C0304965	
SCT	67690002	Sodium iodide I^123^	C-B1081	C0304977	
SCT	111160004	Sodium iodide I^131^	C-B1086	C0304982	
SCT	19495007	Sodium pertechnetate Tc^99m^	C-B1206	C0039418	
SCT	10781003	Sodium phosphate P^32^	C-B1142	C0305007	
SCT	69076006	Strontium chloride Sr^85^	C-B1180	C0305015	
SCT	38424001	Strontium chloride Sr^87^	C-B1181	C0305016	
SCT	8858006	Strontium nitrate Sr^85^	C-B1182	C0305017	
SCT	31953001	Strontium nitrate Sr^87^	C-B1183	C0305018	
SCT	55494003	Technetium Tc^99c^ albumin microspheres	C-B1205	C0305022	
SCT	85693008	Technetium Tc^99m^ aggregated albumin	C-B1200	C0039415	
SCT	16011006	Technetium Tc^99m^ albumin colloid	C-B1204	C0305021	
SCT	415704007	Technetium Tc^99m^ depreotide	C-B1133	C1100674	
SCT	3040004	Technetium Tc^99m^ disofenin	C-B1207	C0075932	
SCT	77313009	Technetium Tc^99m^ exametazine	C-B1223	C0145055	
SCT	87853006	Technetium Tc^99m^ iron ascorbate	C-B1210	C0305027	
SCT	7281000	Technetium Tc^99m^ lidofenin	C-B1209	C0075958	
SCT	4832001	Technetium Tc^99m^ mebrofenin	C-B1208	C0075962	
SCT	96390006	Technetium Tc^99m^ medronate	C-B1218	C0039416	
SCT	81761004	Technetium Tc^99m^ microaggregated albumin	C-B1203	C0305020	
SCT	87410002	Technetium Tc^99m^ N-substituted iminodiacetate	C-B1225	C0305039	
SCT	53951001	Technetium Tc^99m^ oxidronate	C-B1213	C0305030	
SCT	430276001	Technetium Tc^99m^ pentetate	C-163B0	C0080212	
SCT	65156006	Technetium Tc^99m^ pyro and polyphosphates	C-B1215	C0305032	
SCT	79610008	Technetium Tc^99m^ serum albumin	C-B1216	C0665175	
SCT	424299003	Technetium Tc^99m^ sestamibi	C-163AB	C0162680	
SCT	45849009	Technetium Tc^99m^ sodium glucoheptonate	C-B1220	C0305034	
SCT	111162007	Technetium Tc^99m^ stannous etidronate	C-B1211	C0305028	
SCT	24511001	Technetium Tc^99m^ succimer	C-B1221	C0075928	
SCT	5931004	Technetium Tc^99m^ sulfur colloid	C-B1222	C0039419	
SCT	89818005	Technetium Tc^99m^ tagged red cells	C-B1224	C0305038	
SCT	424318009	Technetium Tc^99m^Teboroxime	C-163AC	C0076030	
SCT	424118002	Technetium Tc^99m^Tetrofosmin	C-163AD	C1828125	
SCT	447201007	Technetium^99m Dimercaptosuccinic Acid DMSA	C-163BD	C0075928	Kidneyscinti

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Trade name (Informative)
SCT	446534003	Technetium^99m Galactosyl Human Serum Albumin Diethylenetriamine	C-163B6	C2960066	Asialoscinti
SCT	446535002	Technetium^99m Hydroxymethylene diphosphonate HMDP	C-163B7	C0075953	
SCT	447125008	Technetium^99m labeled carbon	C-163B9	C2960082	Technegas
SCT	446536001	Technetium^99m Mercaptoacetyl triglycine MAG3	C-163B8	C2960081	MAGscinti
SCT	447126009	Technetium^99m N-pyridoxyl-5-methyltryptophan	C-163BA	C2960810	Hepatimage
NCIt	C116887	Technetium^99m Trofolastat		C3899042	MIP 1404
SCT	447127000	Technetium^99m Phytate	C-163BB	C2960676	
SCT	447128005	Technetium^99m Stannous Colloid	C-163BC	C2960677	
SCT	73685002	Thallous chloride Tl^201^	C-B1231	C0305040	
SCT	439007	Therapeutic radioisotope	C-B1010	C0358509	
SCT	29348008	Yb^169^-DTPA - pentetate	C-B1251	C0305041	

CID 26 Nuclear Medicine Projections

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040322**
UID: **1.2.840.10008.6.1.18**

Table CID 26. Nuclear Medicine Projections

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	81654009	Coronal	G-A138	C0205123
SCT	30730003	Sagittal	G-A145	C0205129
SCT	24422004	Axial	G-A147	C0205131
SCT	399108003	Right anterior oblique	G-5206	C1275818
SCT	399074003	Left anterior oblique	G-5207	C1275814
SCT	399075002	Right posterior oblique	G-5208	C1275815
SCT	399136008	Left posterior oblique	G-5209	C1275824
SCT	399089007	Oblique axial	G-5210	C1275817
SCT	399273000	Sagittal-oblique axial	G-5212	C1275844
SCT	399012007	Medial-lateral	G-5220	C1275804
SCT	399300004	Lateral-medial	G-5221	C1275847
SCT	399297009	Right lateral projection	G-5222	C1261185
SCT	399118008	Left lateral projection	G-5223	C1306031
SCT	399268006	Medio-lateral oblique	G-5224	C1275843
SCT	399159002	Latero-medial oblique	G-5225	C1275827
SCT	62824007	Transverse	G-A117	C0205106
SCT	49370004	Lateral	G-A104	C0205093
Include CID 27 “Basic Cardiac Views”				

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399321004	Anterior projection	G-5215	C1275849
SCT	399001007	Posterior projection	G-5216	C1275801

Note

1. In a prior version of this table, the code G-A117 was specified for the concept Transaxial, and R-11300 was specified for the concept Transverse. Since these concepts are synonymous in nuclear projections, and since SNOMED assigns G-A117 to the concept Transverse, the use of R-11300 is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

2. The following Code Values were formerly included in CID 26 “Nuclear Medicine Projections” and are retired:

SRT	*G-5200*	*Antero-posterior*
SRT	*G-5201*	*Postero-anterior*
SRT	*G-5203*	*Frontal oblique*
SRT	*G-5204*	*Antero-posterior Oblique*
SRT	*G-5205*	*Postero-anterior Oblique*
SRT	*G-5211*	*Frontal-oblique axial*
SRT	*G-5213*	*Submento-vertex axial*
SRT	*G-5214*	*Oblique submento-vertex*
SRT	*G-5226*	*Right to left oblique*
SRT	*G-5227*	*Left to right oblique*

CID 27 Basic Cardiac Views

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20120822**
UID: **1.2.840.10008.6.1.957**

Table CID 27. Basic Cardiac Views

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	103340004	Short Axis	G-A186	C0522488
SCT	131185001	Vertical Long Axis	G-A18A	C1295721
SCT	131186000	Horizontal Long Axis	G-A18B	C1295722

CID 29 Acquisition Modality

This Context Group includes codes that may be used to identify the type of diagnostic equipment, or function or technique of that equipment, that originally acquired, through interaction with a patient or specimen, the data used to create the instance. These codes are used in Attribute Modality (0008,0060) of a Modality Worklist Scheduled Procedure Step or a Composite SOP Instance (see PS3.3). It generally corresponds to a class of diagnostic equipment, or to a specific acquisition function or technique in a device. his Context Group may be used as the value set for HL7 v2 Table 0259 (see HL7 v2.6 Chapter 8 Section 8.8.8.47).

Note

This Context Group is not the complete set of codes that may appear in the Attribute Modality (0008,0060); these are only the codes associated with orderable acquisition processes (not pre-acquisition activities or post-processing).

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190327**
UID: **1.2.840.10008.6.1.19**

Table CID 29. Acquisition Modality

Coding Scheme Designator	Code Value	Code Meaning
DCM	AR	Autorefraction
DCM	BDUS	Ultrasound Bone Densitometry
DCM	BI	Biomagnetic Imaging
DCM	BMD	Bone Mineral Densitometry
DCM	CR	Computed Radiography
DCM	CT	Computed Tomography
DCM	DG	Diaphanography
DCM	DX	Digital Radiography
DCM	ECG	Electrocardiography
DCM	EPS	Cardiac Electrophysiology
DCM	ES	Endoscopy
DCM	GM	General Microscopy
DCM	HD	Hemodynamic Waveform
DCM	IO	Intra-oral Radiography
DCM	IVOCT	Intravascular Optical Coherence Tomography
DCM	IVUS	Intravascular Ultrasound
DCM	KER	Keratometry
DCM	LEN	Lensometry
DCM	LS	Laser Scan
DCM	MG	Mammography
DCM	MR	Magnetic Resonance
DCM	NM	Nuclear Medicine
DCM	OAM	Ophthalmic Axial Measurements
DCM	OCT	Optical Coherence Tomography
DCM	OP	Ophthalmic Photography
DCM	OPM	Ophthalmic Mapping
DCM	OPT	Ophthalmic Tomography
DCM	OPTBSV	Ophthalmic Tomography B-scan Volume Analysis
DCM	OPTENF	Ophthalmic Tomography En Face
DCM	OPV	Ophthalmic Visual Field
DCM	OSS	Optical Surface Scanner
DCM	PT	Positron emission tomography
DCM	PX	Panoramic X-Ray
DCM	RESP	Respiratory Waveform
DCM	RF	Radiofluoroscopy
DCM	RG	Radiographic imaging
DCM	RTIMAGE	RT Image

Coding Scheme Designator	Code Value	Code Meaning
DCM	SM	Slide Microscopy
DCM	SRF	Subjective Refraction
DCM	TG	Thermography
DCM	US	Ultrasound
DCM	VA	Visual Acuity
DCM	XA	X-Ray Angiography
DCM	XC	External-camera Photography

CID 30 DICOM Devices

This Context Group includes codes that may be used to identify a class of equipment that uses DICOM.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190327**
UID: **1.2.840.10008.6.1.20**

Table CID 30. DICOM Devices

Coding Scheme Designator	Code Value	Code Meaning
Include CID 29 “Acquisition Modality”		
DCM	ARCHIVE	Archive
DCM	CAD	Computer Assisted Detection/Diagnosis
DCM	CAPTURE	Image Capture
DCM	COMP	Computation Server
DCM	DSS	Department System Scheduler
DCM	FILMD	Film Digitizer
DCM	LOG	Procedure Logging
DCM	M3D	3D Manufacturing Modeling System
DCM	MCD	Media Creation Device
DCM	PRINT	Hard Copy Print Server
DCM	RT	Radiation Therapy Device
DCM	STAIN	Automated Slide Stainer
DCM	WSD	Workstation

CID 31 Abstract Priors

This Context Group includes codes that may be used to identify imaging procedures that may be referred to as priors for the purpose of image set selection in Hanging Protocols.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.21**

Table CID 31. Abstract Priors

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	278307001	On admission	R-40553	C0457453

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	277671009	Intraoperative	R-400B2	C0456904
SCT	281379000	Pre-admission	R-41FD9	C0559269
SCT	255235001	Pre-dose	R-411C0	C0439565
SCT	255566006	Post-dose	R-404DA	C0439568
SCT	262068006	Pre-operative	R-413C5	C0445204
SCT	262061000	Post-operative	R-413B7	C0032790
DCM	109120	On admission to unit		
DCM	109121	On discharge		
DCM	109122	On discharge from unit		
DCM	109123	Pre-intervention		
DCM	109124	Post-intervention		
DCM	109125	At last appointment		

CID 32 Non-Acquisition Modality

This Context Group includes codes that may be used to identify the type of equipment, or function or technique of that equipment, that created the data used to create an instance, other than by means of acquisition through interaction with a patient or specimen.

Note

Many Composite SOP Instances with the Attribute Modality (0008,0060) code values from this Context Group are the result of post-processing, and are not directly associated with an orderable acquisition process.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190327**
UID: **1.2.840.10008.6.1.1282**

Table CID 32. Non-Acquisition Modality

Coding Scheme Designator	Code Value	Code Meaning
DCM	ASMT	Content Assessment Result
DCM	AU	Basic Voice Audio
DCM	CTPROTOCOL	CT Protocol
DCM	DOC	Document
DCM	FID	Spatial Fiducials
DCM	HC	Hard Copy
DCM	IOL	Intraocular Lens Calculation
DCM	KO	Key Object Selection
DCM	M3D	Model for 3D Manufacturing
DCM	OT	Other
DCM	PLAN	Plan
DCM	PR	Presentation State
DCM	REG	Registration
DCM	RTDOSE	RT Dose
DCM	RTPLAN	RT Plan
DCM	RTRECORD	RT Treatment Record

Coding Scheme Designator	Code Value	Code Meaning
DCM	RTSTRUCT	RT Structure Set
DCM	RWV	Real World Value Map
DCM	SEG	Segmentation
DCM	SMR	Stereometric Relationship
DCM	SR	Structured Report Document
DCM	STAIN	Automated Slide Stainer

CID 33 Modality

This Context Group includes codes that may be used to identify the type of equipment, or function or technique of that equipment, that created the data used to create an instance~~, other than by means of acquisition through interaction with a patient or specimen~~.

Note

~~Many Composite SOP Instances with the Attribute Modality (0008,0060) code values from this Context Group are the result of post-processing, and are not directly associated with an orderable acquisition process~~This Context Group contains the complete set of defined codes that may appear in the Attribute Modality (0008,0060).

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190327**
UID: **1.2.840.10008.6.1.1283**

Table CID 33. Modality

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 29 “Acquisition Modality”				
Include CID 32 “Non-Acquisition Modality”				

CID 42 Numeric Value Qualifier

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020114**
UID: **1.2.840.10008.6.1.22**

Table CID 42. Numeric Value Qualifier

Coding Scheme Designator	Code Value	Code Meaning
DCM	114000	Not a number
DCM	114001	Negative Infinity
DCM	114002	Positive Infinity
DCM	114003	Divide by zero
DCM	114004	Underflow
DCM	114005	Overflow
DCM	114006	Measurement failure
DCM	114007	Measurement not attempted
DCM	114008	Calculation failure
DCM	114009	Value out of range
DCM	114010	Value unknown
DCM	114011	Value indeterminate

CID 50 Instance Availability Status

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20090616**
UID: **1.2.840.10008.6.1.811**

Table CID 50. Instance Availability Status

Coding Scheme Designator	Code Value	Code Meaning
DCM	NEARLINE	Nearline
DCM	OFFLINE	Offline
DCM	ONLINE	Online
DCM	UNAVAILABLE	Unavailable

CID 60 Imaging Agent Administration Adverse Events

This Context Group includes contrast reactions listed in the ACR Manual of Contrast Media.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1250**

Table CID 60. Imaging Agent Administration Adverse Events

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	405165006	Drug induced Nausea and vomiting	F-0499A	C1319169
SCT	271801002	Taste and sense altered	F-5005E	C0013378
SCT	415690000	Sweating	F-400A9	C0038990
SCT	49727002	Cough	F-24100	C0010200
SCT	418363000	Itching	F-A21A7	C0033774
SCT	28926001	Drug Rash	D0-71000	C0011609
SCT	724232004	Sensation of being warm (finding)	724232004	
SCT	398979000	Pallor (Pale Complexion)	F-037AB	C0030232
SCT	68235000	Nasal Congestion	F-24442	C0027424
SCT	25064002	Headache	F-A2700	C0018681
SCT	403618004	Drug induced Flushing	D0-3002F	C1274940
SCT	278528006	Facial Swelling	F-017C0	C0151602
SCT	473188002	Drug Induced Dizziness	DF-1147C	C3532678
SCT	274640006	Chills and fever	F-03261	C0085594
SCT	48694002	Anxiety	F-0B320	C0003467
SCT	26079004	Shaking	F-A4600	C0040822
SCT	74615001	Tachycardia-bradycardia	D3-31121	C0221047
SCT	4386001	Bronchospasm	F-20250	C0001999
SCT	38341003	Hypertension	D3-02000	C0020538
SCT	51599000	Laryngeal edema	D2-04460	C0023052
SCT	402603005	Diffuse inflammatory erythema	D0-2202B	C1304360

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	234171009	Drug-induced hypotension	D3-04006	C0340858
SCT	267036007	Dyspnea	F-201B3	C0013404
SCT	51599000	Laryngeal edema (severe or rapidly progressing)	D2-04460	C0023052
SCT	84757009	Epileptic convulsions	DA-30000	C0014544
SCT	45007003	Hypotension	D3-04000	C0020649
SCT	298336006	No motor response to command	F-100EC	C0575112
SCT	698247007	Cardiac Arrhythmia	R-FAE6C	C0003811
SCT	410430005	Cardiorespiratory arrest	D2-60262	C0600228
SCT	95384003	Injection Site Extravasation	D0-B0330	C0521500
DCM	110515	Patient condition prevented continuing		
Include CID 10043 “Intravenous Extravasation Symptoms”				

CID 61 Time Relative to Procedure

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1251**

Table CID 61. Time Relative to Procedure

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	303110006	After Procedure	R-422A4	C0580203
SCT	307154001	During Procedure	R-40FBA	C0585033
SCT	307153007	Before Procedure	R-40FB9	C0585032

CID 62 Imaging Agent Administration Phase Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1252**

Table CID 62. Imaging Agent Administration Phase Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	130168	Automatic Administration Phase
DCM	130169	Automatic Programmed Hold Phase
DCM	130170	Automatic with Manual Hold Phase
DCM	130171	Automatic with Manual Inject Phase

CID 63 Imaging Agent Administration Mode

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1253**

Table CID 63. Imaging Agent Administration Mode

Coding Scheme Designator	Code Value	Code Meaning
DCM	130173	Automated Administration
DCM	130174	Manual Administration

CID 64 Imaging Agent Administration Patient State

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1254**

Table CID 64. Imaging Agent Administration Patient State

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	39539005	Abnormal Renal Function	F-70102	C0151746
DCM	113560	Acute unilateral renal blockage		
DCM	113561	Low Thyroid Uptake		
DCM	113562	High Thyroid Uptake		
DCM	113563	Severely Jaundiced		
SCT	414417004	History of renal failure	R-102B6	C1533077
SCT	161445009	History of diabetes mellitus	G-023F	C0455488
SCT	195967001	Asthma (disorder)	D2-00036	C0004096
SCT	60573004	Aortic stenosis	D3-29021	C0003507
SCT	194828000	Angina pectoris	D3-13012	C0002962
SCT	161505003	History of congestive heart failure	G-026D	C0455531
SCT	161501007	History of Hypertension	G-0269	C0455527
SCT	70995007	Pulmonary hypertension	D3-40300	C0020542
SCT	85898001	Cardiomyopathy	D3-20000	C0878544
SCT	48694002	Anxiety	F-0B320	C0003467
SCT	35601003	Paraproteinemia	M-97651	C0026470
SCT	55921005	Myeloma	M-97323	C0026764
SCT	440935004	History of Beta-blocking agents therapy	P0-099F5	C2586054
SCT	448216007	Malignant epithelial neoplasm of thyroid	DF-00BEA	C3163939
DCM	110503	Patient allergic to media/contrast		

CID 65 Pre-medication For Imaging Agent Administration

The following list of pre-medication agents was obtained from the ACR Manual of Contrast Media.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1255**

Table CID 65. Pre-Medication for Imaging Agent Administration

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Trade Name (Informative)
SCT	116602009	Prednisone	C-37138	C0032952	
SCT	26458009	Diphenhydramine	C-51450	C0012522	Benadryl
SCT	116593003	Methylprednisolone	C-37128	C0025815	
SCT	109069007	Methylprednisolone sodium succinate	C-A01D1	C0700546	Solu-Medrol
SCT	109066000	Hydrocortisone sodium succinate	C-A0173	C0770560	Solu-Cortef
SCT	49992008	Dexamethasone sodium sulfate	C-913A4	C0113286	Decadron
SCT	349955005	H-1 Antihistamine	C-51071	C0019592	
SCT	65026000	Ephedrine	C-68050	C0014479	
SCT	346607007	Papaverine	R-F2989	C0030350	
Include CID 66 “Medication For Imaging Agent Administration”					

CID 66 Medication For Imaging Agent Administration

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1256**

Table CID 66. Medication for Imaging Agent Administration

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	387423006	Propofol	F-61B48	C0033487
SCT	373476007	Midazolam	F-6183C	C0026056
SCT	49998007	Sufentanil	49998007	C0143993
SCT	386839004	Remifentanil	386839004	C0246631
SCT	387560008	Alfentanil	F-61C65	C0002026

CID 67 Imaging Agent Administration Completion Status

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1257**

Table CID 67. Imaging Agent Administration Completion Status

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255594003	Complete	R-404F1	C0205197
DCM	130156	Terminated due to pressure above termination limit		
DCM	130157	Terminated due to flow rate above termination limit		
DCM	130176	Terminated due to air detected		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	130158	Terminated due to excessive duration pause		
DCM	130154	Terminated due to request from operator		
DCM	130159	Terminated due to injector communication loss		
DCM	130160	Terminated due to unspecified injector failure		
DCM	130177	Terminated by scanner		
DCM	130178	Terminated due to critical battery level		
DCM	130179	Terminated due to consumable removal		

CID 68 Imaging Agent Administration Pharmaceutical Unit of Presentation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1258**

Table CID 68. Imaging Agent Administration Pharmaceutical Unit of Presentation

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	733020007	Syringe	733020007	C4319671
SCT	706440002	Cartridge	R-FEEFF	C0179630
SCT	464557001	Parenteral/enteral solution bag	R-FCBB8	C3878874
SCT	68276009	Bottle	A-27500	C0179376

Note

The concept for syringe (unit of presentation) is used in this context group as distinct from syringe (physical object), which is used in Section CID 69. This is intended for pre-filled syringes.

CID 69 Imaging Agent Administration Consumables

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1259**

Table CID 69. Imaging Agent Administration Consumables

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	61968008	Syringe	A-10150	C0039142
SCT	19923001	Catheter	A-26800	C0085590
SCT	467354001	Contrast medium injection system manifold kit	R-FDF5C	C3878326
SCT	83059008	Tube, device (physical object)	A-26400	C0175730
SCT	79068005	Needle	A-30360	C0027551
SCT	68276009	Bottle	A-27500	C0179376

Note

The concept for syringe (physical object) is used in this context group as distinct from syringe (unit of presentation), which is used in Section CID 68. The concept for bottle is used in the context of consumable used during an oral administration of contrast.

CID 70 Flush

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1260**

Table CID 70. Flush

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	13132007	Dextran	C-A7220	C0086140
SCT	262003004	Saline	C-70841	C0445115
SCT	347379006	Lactated Ringer's	C-70434	C0073385

CID 71 Imaging Agent Administration Injector Event Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1261**

Table CID 71. Imaging Agent Administration Injector Event Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	130150	Pressure above warning limit
DCM	130151	Pressure above adjustment limit
DCM	130152	Flow rate above warning limit
DCM	130153	Flow rate above adjustment limit
DCM	130161	Keep vein open started
DCM	130162	Keep vein open ended
DCM	130175	Air detected
DCM	130155	Fixed duration pause ended
DCM	130163	Syringe attached
DCM	130164	Syringe detached
DCM	110501	Equipment failure
DCM	110527	Resource inadequate
DCM	130156	Terminated due to pressure above termination limit
DCM	130157	Terminated due to flow rate above termination limit
DCM	130176	Terminated due to air detected
DCM	130158	Terminated due to excessive duration pause
DCM	130154	Terminated due to request from operator
DCM	130159	Terminated due to injector communication loss
DCM	130160	Terminated due to unspecified injector failure
DCM	130177	Terminated by scanner

Coding Scheme Designator	Code Value	Code Meaning
DCM	130178	Terminated due to critical battery level
DCM	130179	Terminated due to consumable removal

CID 72 Imaging Agent Administration Step Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1262**

Table CID 72. Imaging Agent Administration Step Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	130247	Patency Test Injection
DCM	130248	Transit Time Test Injection
DCM	130249	Diagnostic Administration
DCM	130251	Flush Administration

CID 73 Bolus Shaping Curves

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1263**

Table CID 73. Bolus Shaping Curves

Coding Scheme Designator	Code Value	Code Meaning
DCM	130252	Negative exponential
DCM	130253	Linear Curve

CID 74 Imaging Agent Administration Consumable Catheter Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1264**

Table CID 74. Imaging Agent Administration Consumable Catheter Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	82449006	Peripheral intravenous catheter	A-26836	C0179768
SCT	52124006	Central venous catheter	A-26810	C1145640
SCT	398013009	Implantable venous access port	A-1450B	C1275732
SCT	52124006	Peripherally inserted central catheter	A-26810	C1145640
SCT	705541005	Rectal Catheter	R-FEAEC	C0179784

CID 75 Low-high-equal

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**

Version: **20181115**
UID: **1.2.840.10008.6.1.1265**

Table CID 75. Low-High-Equal

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	62482003	Low	G-A374	C0205251
SCT	75540009	High	G-A373	C3163633
SCT	9726003	Equal	G-A214	C0205163

CID 76 Type of Pre-medication

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.1266**

Table CID 76. Type of Pre-Medication

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	123012	Pre-Medication		
DCM	130259	Contrast Reaction Prophylactic Agent		
SCT	372614000	Sedative	F-6171D	C0036557
SCT	52017007	Antiemetic	C-85800	C0003297

CID 82 Units of Measurement

Context Group ID 82 comprises the case-sensitive codes of UCUM. See Section 7.2.2.

Note

Equivalent to the HL7 Value Set "Units of Measure case sensitive" 2.16.840.1.113883.11.12839.

CID 83 Units for Real World Value Mapping

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080123**
UID: **1.2.840.10008.6.1.24**

Table CID 83. Units for Real World Value Mapping

Coding Scheme Designator	Code Value	Code Meaning
Include CID 84 “PET Units”		
UCUM	[hnsf'U]	Hounsfield unit

CID 84 PET Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1030**

Table CID 84. PET Units

Coding Scheme Designator	Code Value	Code Meaning
Include CID 85 “SUV Units”		
UCUM	{counts}	Counts
UCUM	{counts}/s	Counts per second
UCUM	{propcounts}	Proportional to counts
UCUM	{propcounts}/s	Proportional to counts per second
UCUM	cm2	Centimeter**2
UCUM	cm2/ml	Centimeter**2/milliliter
UCUM	%	Percent
UCUM	Bq/ml	Becquerels/milliliter
UCUM	mg/min/ml	Milligrams/minute/milliliter
UCUM	umol/min/ml	Micromole/minute/milliliter
UCUM	ml/min/g	Milliliter/minute/gram
UCUM	ml/g	Milliliter/gram
UCUM	/cm	/Centimeter
UCUM	umol/ml	Micromole/milliliter

CID 85 SUV Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20161106**
UID: **1.2.840.10008.6.1.984**

Table CID 85. SUV Units

Coding Scheme Designator	Code Value	Code Meaning
UCUM	g/ml{SUVbw}	Standardized Uptake Value body weight
UCUM	g/ml{SUVlbm}	Standardized Uptake Value lean body mass (James)
UCUM	g/ml{SUVlbm(James128)}	Standardized Uptake Value lean body mass (James 128 multiplier)
UCUM	g/ml{SUVlbm(Janma)}	Standardized Uptake Value lean body mass (Janma)
UCUM	cm2/ml{SUVbsa}	Standardized Uptake Value body surface area
UCUM	g/ml{SUVibw}	Standardized Uptake Value ideal body weight

Note

The formulas for the determination of SUVbw, SUVbsa, SUVlbm (James) and SUVibw are defined in Sugawara et al. *Reevaluation of the Standardized Uptake Value for FDG: Variations with Body Weight and Methods for Correction.*Radiology, 1999 at http://radiology.rsna.org/content/213/2/521.

Unfortunately, Sugawara used a parameter of 120 rather than 128 for males, propagating an error in Morgan DJ, Bray KM. Lean Body Mass as a Predictor of Drug Dosage: Implications for Drug Therapy. Clinical Pharmacokinetics. 1994;26(4):292-307, which misquoted the original LBM definition that used 128 in James WPT, Waterlow JC. Research on Obesity: A Report of the DHSS/MRC Group. London: Her Majesty’s Stationery Office; 1976. Implementations differ in whether they have used 120 or 128 for ({SUVlbm}g/ml{SUVlbm}, UCUM, "Standardized Uptake Value lean body mass (James)"). See Kelly M. SUV: Advancing Comparability and Accuracy. Siemens; 2009. Available from: http://www.mpcphysics.com/documents/SUV_Whitepaper_Final_11.17.09_59807428_2.pdf.

The Janmahasatian LBM formula is defined in *Janmahasatian et al. Quantification of Lean Bodyweight. Clin Pharmacokinet. 2005 Oct 1;44(10):1051-65.* at http://dx.doi.org/10.2165/00003088-200544100-00004 and its role in SUVlbm(Janma) calculation is discussed in *Tahari et al. Optimum Lean Body Formulation for Correction of Standardized Uptake Value in PET Imaging. Journal of Nuclear Medicine. 2014 Sep 1;55(9):1481-4.* at http://jnm.snmjournals.org/content/55/9/1481. The patient size correction factors are summarized here, where weight is in kg and height is in cm:

SUVbw: males & females: weight

SUVlbm (James): males : 1.10 * weight - 120 * (weight/height) ^2

SUVlbm (James): females: 1.07 * weight - 148 * (weight/height) ^2

SUVlbm(Janma): males: 9.27E3 * weight / (6.68E3 + 216 * weight / (height^2))

SUVlbm(Janma): females: 9.27E3 * weight / (8.78E3 + 244 * weight / (height^2))

SUVbsa: males & females: weight^ 0.425 * height^0.725 * 0.007184

SUVibw: males: 48.0 + 1.06 * (height - 152)

females: 45.5 + 0.91 * (height - 152)

CID 91 Functional Condition Present During Acquisition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.891**

Table CID 91. Functional Condition Present During Acquisition

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 3271 “Hemodynamic Physiological Challenges”				
SCT	43914001	Phonation	F-F7100	C0031577
SCT	87731000	Weight bearing	F-12300	C0231573
DCM	109137	During voiding		
DCM	109134	Prior to voiding		
DCM	109135	Post voiding		

CID 92 Joint Position During Acquisition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100625**
UID: **1.2.840.10008.6.1.892**

Table CID 92. Joint Position During Acquisition

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	109136	Neutral musculoskeletal position		
SCT	9964006	Flexion	F-10110	C0231452
SCT	24154002	Extension	F-10100	C0522009
SCT	60074003	Abduction	F-10120	C0231456

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	11554009	Adduction	F-10130	C0231457
SCT	12852001	Internal rotation	F-10210	C0231459
SCT	52019005	External rotation	F-10220	C0231462
SCT	14502000	Supination	F-10226	C0038845
SCT	88241000	Pronation	F-10216	C0033421
SCT	51795009	Torsion	F-10240	C0040480

CID 93 Joint Positioning Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100625**
UID: **1.2.840.10008.6.1.893**

Table CID 93. Joint Positioning Method

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	21278004	Passive movement	F-13060	C0079991
SCT	118745001	Manipulation of joint	P0-05083	C1292923

CID 94 Physical Force Applied During Acquisition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100625**
UID: **1.2.840.10008.6.1.894**

Table CID 94. Physical Force Applied During Acquisition

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129411004	Traction - action	P0-02160	C0040597
SCT	263720003	Compression - action	P0-021B2	C0565514
SCT	257912008	Rotation - action	P0-021AB	C0677597

CID 100 Quantitative Diagnostic Imaging Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.998**

Table CID 100. Quantitative Diagnostic Imaging Procedures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	363679005	Imaging procedure	P0-0099A	C0011923
SCT	258177008	Magnetic resonance imaging guidance	P5-09051	C0442974
DCM	126020	Multiparametric MRI		
DCM	126021	Multiparametric MRI of prostate		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	126022	Multiparametric MRI of whole body		
SCT	433139009	Dynamic magnetic resonance imaging of knee	P5-0907F	C2315346
SCT	446315002	Dynamic magnetic resonance imaging of pelvis	P5-70694	C2960816
LN	25045-6	CT unspecified body region		C0882201
LN	25056-3	MRI unspecified body region		C0882563
LN	49118-3	NM unspecified body region		C1954874
LN	44136-0	PET unspecified body region		C1715406
LN	44139-4	PET whole body		C1715409
SCT	443271005	PET/CT FDG imaging of whole body	P5-080FF	C2732676
SCT	443844003	PET/CT MET imaging of whole body	P5-08118	C2732956
LN	39142-5	CT perfusion head with contrast IV		C1543263
LN	39632-5	SPECT brain		C1543694
RADLEX	RPID5427	NM head perfusion brain PET-CT AV-45		

CID 210 Qualitative Evaluation Modifier Types

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Type: Extensible
Version: 20190524
UID: 1.2.840.10008.6.1.1285

Table CID 210. Qualitative Evaluation Modifier Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	272741003	Laterality	G-C171	C0332304
SCT	106233006	Topographical modifier	G-A1F8	C0205089

CID 211 Qualitative Evaluation Modifier Values

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Type: Extensible
Version: 20190524
UID: 1.2.840.10008.6.1.1286

Table CID 211. Qualitative Evaluation Modifier Values

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 245 “Laterality with Median”				
Include CID 212 “Generic Anatomic Location Modifiers”				

CID 212 Generic Anatomic Location Modifiers

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Type: Extensible
Version: 20190524
UID: 1.2.840.10008.6.1.1287

Table CID 212. Generic Anatomic Location Modifiers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255549009	Anterior	R-404CC	C0205094
SCT	26216008	Central	G-A110	C0205099
SCT	46053002	Distal	G-A119	C0205108
SCT	261089000	Inferior	R-4094A	C0205104
SCT	49370004	Lateral	G-A104	C0205093
DCM	130290	Median		
NCIt	C25569	Middle		C0444598
SCT	103342007	Mid-longitudinal	G-A188	C0522490
SCT	255551008	Posterior	R-404CE	C0205095
SCT	40415009	Proximal	G-A118	C0205107
SCT	264217000	Superior	R-42191	C1282910

CID 218 Quantitative Image Features

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.1269**

Table CID 218. Quantitative Image Features

Coding Scheme Designator	Code Value	Code Meaning
Include CID 7468 “Texture Measurements”		
Include CID 7469 “Generic Intensity and Size Measurements”		
Include CID 7477 “Global Shape Descriptors”		

CID 220 Level of Significance

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.25**

Table CID 220. Level of Significance

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371925005	Most significant	R-00333	C1299394
SCT	371926006	Highly significant	R-0030C	C1299395
SCT	386134007	Significant	R-10045	C0750502
SCT	371928007	Not significant	R-00345	C1273937
SCT	386135008	Significance Undetermined	R-10046	C1272585

CID 221 Measurement Range Concepts

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**

UID: **1.2.840.10008.6.1.26**

Table CID 221. Measurement Range Concepts

Coding Scheme Designator	Code Value	Code Meaning
Include CID 226 “Population Statistical Descriptors”		
Include CID 227 “Sample Statistical Descriptors”		

CID 222 Normality Codes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.27**

Table CID 222. Normality Codes

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	17621005	Normal	G-A460	C0205307
SCT	263654008	Abnormal	R-42037	C0205161
SCT	371879000	Abnormally High	R-002C4	C1299351
SCT	371880002	Abnormally Low	R-002C5	C1299352
SCT	371934000	Normality Undetermined	R-0039B	C1299401

CID 223 Normal Range Values

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.28**

Table CID 223. Normal Range Values

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371933006	Normal Range Upper Limit	R-0038B	C1299400
SCT	385524004	Normal Range Lower Limit	R-41F90	C1272773

CID 224 Selection Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.29**

Table CID 224. Selection Method

Coding Scheme Designator	Code Value	Code Meaning
DCM	121410	User chosen value
DCM	121411	Most recent value chosen
DCM	121412	Mean value chosen

CID 225 Measurement Uncertainty Concepts

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.30**

Table CID 225. Measurement Uncertainty Concepts

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371884006	+/-, range of measurement uncertainty	R-00363	C1299354
SCT	371886008	+, range of upper measurement uncertainty	R-00364	C1299356
SCT	371885007	-, range of lower measurement uncertainty	R-00362	C1299355

CID 226 Population Statistical Descriptors

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20121101**
UID: **1.2.840.10008.6.1.31**

Table CID 226. Population Statistical Descriptors

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371889001	95th Percentile Value of population	R-00337	C1299358
SCT	371887004	90th Percentile Value of population	R-00338	C1276309
SCT	371917008	1 Sigma Upper Value of population	R-00346	C1299386
SCT	371920000	2 Sigma Upper Value of population	R-00387	C1299389
SCT	373098007	Mean Value of population	R-00317	C1298794
SCT	373099004	Median Value of population	R-00319	C1298795
SCT	371890005	10th Percentile Value of population	R-00377	C1299359
SCT	371888009	5th Percentile Value of population	R-00397	C1299357
SCT	371919006	1 Sigma Lower Value of population	R-00347	C1299388
SCT	371918003	2 Sigma Lower Value of population	R-00388	C1299387
DCM	121414	Standard deviation of population		
DCM	121417	2 Sigma deviation of population		

Note

The SNOMED meaning for R-00317 is "Mean - numeric estimation technique", but in the context of its use here, a more specific meaning has been used.

CID 227 Sample Statistical Descriptors

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.32**

Table CID 227. Sample Statistical Descriptors

Coding Scheme Designator	Code Value	Code Meaning
DCM	121415	Percentile Ranking of measurement
DCM	121416	Z-Score of measurement

CID 228 Equation or Table

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.33**

Table CID 228. Equation or Table

Coding Scheme Designator	Code Value	Code Meaning
DCM	121420	Equation
DCM	121421	Equation Citation
DCM	121424	Table of Values
DCM	121422	Table of Values Citation
DCM	121423	Method Citation

CID 230 Yes-No

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20060613**
UID: **1.2.840.10008.6.1.34**

Table CID 230. Yes-No

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373066001	Yes	R-0038D	C1298907
SCT	373067005	No	R-00339	C1298908
SCT	373068000	Undetermined	R-0038A	C3536725

CID 231 Yes-No Only

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1064**

Table CID 231. Yes-No Only

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373066001	Yes	R-0038D	C1298907
SCT	373067005	No	R-00339	C1298908

Note

This context group is intended for use rather than CID 230 "Yes-No" when the value (373068000, SCT, "Undetermined") is not permissible.

CID 240 Present-Absent

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.35**

Table CID 240. Present-Absent

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	52101004	Present	G-A203	C0150312
SCT	272519000	Absent	R-4089B	C0442733
SCT	373068000	Undetermined	R-0038A	C3536725

Note

In a previous version of this Context Group (260245000, SCT, "Findings values") was used incorrectly to mean "Presence Undetermined"; there is no SNOMED CT concept that specifically means that the "presence" (of a finding) is undetermined, so the more general "undetermined" concept is used.

CID 241 Present-Absent Only

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1113**

Table CID 241. Present-Absent Only

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	52101004	Present	G-A203	C0150312
SCT	272519000	Absent	R-4089B	C0442733

Note

This context group is intended for use rather than CID 240 "Normal-Abnormal" when the value (373068000, SCT, "Undetermined") is not permissible.

CID 242 Normal-Abnormal

This Context Group is a subset of CID 222 “Normality Codes”.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.36**

Table CID 242. Normal-Abnormal

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	17621005	Normal	G-A460	C0205307
SCT	263654008	Abnormal	R-42037	C0205161
SCT	371934000	Normality Undetermined	R-0039B	C1299401

CID 244 Laterality

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Type: Non-Extensible
Version: 20030108
UID: 1.2.840.10008.6.1.37

Table CID 244. Laterality

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
~~SCT~~	~~24028007~~	~~Right~~	~~G-A100~~	~~C0205090~~
Include CID 247 “Laterality Left-Right Only”				
~~SCT~~	~~7771000~~	~~Left~~	~~G-A101~~	~~C0205091~~
SCT	51440002	Bilateral	G-A102	C0238767
SCT	66459002	Unilateral	G-A103	C0205092

CID 245 Laterality with Median

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Type: Non-Extensible
Version: ~~20190118~~20190524
UID: 1.2.840.10008.6.1.1267

Table CID 245. Laterality with Median

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 244 “Laterality”				
~~SCT~~DCM	~~260528009~~130290	Median	~~R-4081A~~	~~C2939193~~

CID 246 Relative Laterality

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Type: Non-Extensible
Version: 20190326
UID: 1.2.840.10008.6.1.1279

Table CID 246. Relative Laterality

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255208005	Ipsilateral	R-40356	C0441989
SCT	255209002	Contralateral	R-40357	C0441988

CID 247 Laterality Left-Right Only

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Type: Non-Extensible
Version: 20190524
UID: 1.2.840.10008.6.1.1284

Table CID 247. Laterality Left-Right Only

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	24028007	Right	G-A100	C0205090
SCT	7771000	Left	G-A101	C0205091

CID 250 Positive-Negative

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.38**

Table CID 250. Positive-Negative

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	10828004	Positive	G-A200	C1446409
SCT	260385009	Negative	R-40759	C0205160

CID 251 Severity of Complication

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.39**

Table CID 251. Severity of Complication

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255603008	Major	R-404F9	C0205164
SCT	255606000	Minor	R-404FC	C0205165

CID 252 S-M-L Size Descriptor

Section CID 6118, “Size Descriptor” is a superset of this Context Group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.735**

Table CID 252. S-M-L Size Descriptor

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255507004	Small	R-404A8	C0700321
SCT	255508009	Medium	R-404A9	C0439536
SCT	255509001	Large	R-404AA	C0549177

CID 270 Observer Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**

Version: **20040920**
UID: **1.2.840.10008.6.1.40**

Table CID 270. Observer Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	121006	Person
DCM	121007	Device

CID 271 Observation Subject Class

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20071102**
UID: **1.2.840.10008.6.1.41**

Table CID 271. Observation Subject Class

Coding Scheme Designator	Code Value	Code Meaning
DCM	121025	Patient
DCM	121026	Fetus
DCM	121027	Specimen
DCM	121192	Device Subject

CID 280 Longitudinal Temporal Event Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1184**

Table CID 280. Longitudinal Temporal Event Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
NCIt	C37948	Enrollment		C1516879
DCM	121079	Baseline		

CID 300 Multi-energy Relevant Materials

Concepts for materials relevant to Multi-energy Imaging.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181109**
UID: **1.2.840.10008.6.1.1208**

Table CID 300. Multi-energy Relevant Materials

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	83881004	Aluminum Oxide	C-12013	C0002374
SCT	39290007	Barium	C-12200	C0004749
SCT	23172004	Bismuth	C-12500	C0005642
SCT	5540006	Calcium	C-14300	C0006675

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	256579008	Calcium Hydroxyapatite	C-14314	C0115137
SCT	256526003	Cobalt-chromium alloy	F-6121C	C0008576
SCT	256674009	Fat	T-D008A	C0015677
SCT	58281002	Gadolinium	C-17800	C0016911
SCT	2309006	Gold	C-14600	C0018026
SCT	50672002	Hafnium	C-14700	C0018488
SCT	44588005	Iodine	C-11400	C0021968
SCT	105840005	Iron	C-130F9	C0303213
SCT	261249004	Nickel cobalt chromium	F-61165	C0439955
SCT	84847000	Platinum	C-15300	C0032207
SCT	386103008	Renal stone	T-D048E	C1458136
SCT	51420009	Silicon	C-10940	C0037107
SCT	13652007	Silicone	C-22301	C0037114
SCT	41967008	Silver	C-13700	C0037125
SCT	45215009	Tantalum	C-15600	C0039297
SCT	1166006	Titanium	C-16600	C0040302
SCT	1710001	Uric Acid	F-61470	C0041980
SCT	11713004	Water	C-10120	C0043047
SCT	63754004	Yttrium	C-16200	C0043432

CID 301 Multi-energy Material Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181109**
UID: **1.2.840.10008.6.1.1209**

Table CID 301. Multi-energy Material Units

Coding Scheme Designator	Code Value	Code Meaning
UCUM	mg/cm3	mg/cm^3
UCUM	[hnsf'U]	Hounsfield Unit
UCUM	10*23/ml	Electron Density
DCM	129320	Effective Atomic Number
DCM	129321	Modified Hounsfield Unit
UCUM	mg/ml	mg/ml
UCUM	%	Percent

CID 400 Audit Event ID

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170416**
UID: **1.2.840.10008.6.1.903**

Table CID 400. Audit Event ID

Coding Scheme Designator	Code Value	Code Meaning
DCM	110100	Application Activity
DCM	110101	Audit Log Used
DCM	110102	Begin Transferring DICOM Instances
DCM	110103	DICOM Instances Accessed
DCM	110104	DICOM Instances Transferred
DCM	110105	DICOM Study Deleted
DCM	110106	Export
DCM	110107	Import
DCM	110108	Network Entry
DCM	110109	Order Record
DCM	110110	Patient Record
DCM	110111	Procedure Record
DCM	110112	Query
DCM	110113	Security Alert
DCM	110114	User Authentication

CID 401 Audit Event Type Code

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.904**

Table CID 401. Audit Event Type Code

Coding Scheme Designator	Code Value	Code Meaning
DCM	110120	Application Start
DCM	110121	Application Stop
DCM	110122	Login
DCM	110123	Logout
DCM	110124	Attach
DCM	110125	Detach
DCM	110126	Node Authentication
DCM	110127	Emergency Override Started
DCM	110128	Network Configuration
DCM	110129	Security Configuration
DCM	110130	Hardware Configuration
DCM	110131	Software Configuration
DCM	110132	Use of Restricted Function
DCM	110133	Audit Recording Stopped
DCM	110134	Audit Recording Started
DCM	110135	Object Security Attributes Changed
DCM	110136	Security Roles Changed

Coding Scheme Designator	Code Value	Code Meaning
DCM	110137	User Security Attributes Changed
DCM	110138	Emergency Override Stopped
DCM	110139	Remote Service Operation Started
DCM	110140	Remote Service Operation Stopped
DCM	110141	Local Service Operation Started
DCM	110142	Local Service Operation Stopped
DCM	110143	Authentication Decision
DCM	110144	Authorization Decision
DCM	110145	Session start
DCM	110146	Session stop
DCM	110147	Access Control Decision

CID 402 Audit Active Participant Role ID Code

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100826**
UID: **1.2.840.10008.6.1.905**

Table CID 402. Audit Active Participant Role ID Code

Coding Scheme Designator	Code Value	Code Meaning
DCM	110150	Application
DCM	110151	Application Launcher
DCM	110152	Destination Role ID
DCM	110153	Source Role ID
DCM	110154	Destination Media
DCM	110155	Source Media

CID 403 Security Alert Type Code

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.906**

Table CID 403. Security Alert Type Code

Coding Scheme Designator	Code Value	Code Meaning
DCM	110120	Application Start
DCM	110121	Application Stop
DCM	110122	Login
DCM	110123	Logout
DCM	110124	Attach
DCM	110125	Detach
DCM	110126	Node Authentication
DCM	110127	Emergency Override Started
DCM	110128	Network Configuration

Coding Scheme Designator	Code Value	Code Meaning
DCM	110129	Security Configuration
DCM	110130	Hardware Configuration
DCM	110131	Software Configuration
DCM	110132	Use of Restricted Function
DCM	110133	Audit Recording Stopped
DCM	110134	Audit Recording Started
DCM	110135	Object Security Attributes Changed
DCM	110136	Security Roles Changed
DCM	110137	User Security Attributes Changed
DCM	110138	Emergency Override Stopped
DCM	110139	Remote Service Operation Started
DCM	110140	Remote Service Operation Stopped
DCM	110141	Local Service Operation Started
DCM	110142	Local Service Operation Stopped
DCM	110143	Authentication Decision
DCM	110144	Authorization Decision
DCM	110145	Session start
DCM	110146	Session stop
DCM	110147	Access Control Decision

CID 404 Audit Participant Object ID Type Code

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100621**
UID: **1.2.840.10008.6.1.907**

Table CID 404. Audit Participant Object ID Type Code

Coding Scheme Designator	Code Value	Code Meaning
DCM	110180	Study Instance UID
DCM	110181	SOP Class UID
DCM	110182	Node ID

CID 405 Media Type Code

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100824**
UID: **1.2.840.10008.6.1.908**

Table CID 405. Media Type Code

Coding Scheme Designator	Code Value	Code Meaning
DCM	110030	USB Disk Emulation
DCM	110031	Email
DCM	110032	CD
DCM	110033	DVD

Coding Scheme Designator	Code Value	Code Meaning
DCM	110034	Compact Flash
DCM	110035	Multi-media Card
DCM	110036	Secure Digital Card
DCM	110037	URI
DCM	110010	Film
DCM	110038	Paper Document

CID 501 Volumetric View Description

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150915**
UID: **1.2.840.10008.6.1.1057**

Table CID 501. Volumetric View Description

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 6 “Transducer Orientation”				
Include CID 26 “Nuclear Medicine Projections”				
Include CID 4010 “DX View”				
Include CID 12226 “Echocardiography Image View”				

CID 502 Volumetric View Modifier

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150915**
UID: **1.2.840.10008.6.1.1058**

Table CID 502. Volumetric View Modifier

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 6 “Transducer Orientation”				
Include CID 23 “Cranio-Caudad Angulation”				
Include CID 4011 “DX View Modifier”				

CID 601 Biosafety Levels

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1065**

Table CID 601. Biosafety Levels

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	409600007	Biosafety level 1	R-41E4D	C1443934
SCT	409603009	Biosafety level 2	R-41E4E	C1443937
SCT	409604003	Biosafety level 3	R-41E4F	C1443938

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	409605002	Biosafety level 4	R-41E50	C1443939

CID 602 Biosafety Control Reasons

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1066**

Table CID 602. Biosafety Control Reasons

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	409595003	Biohazardous material	F-61E79	C0079021
SCT	88376000	Carcinogen	C-29000	C0007090
SCT	370388006	Patient immunocompromised	F-00D5F	C0085393
UMLS	C0003069	Transgenic animal		C0003069

CID 603 Animal Room Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1068**

Table CID 603. Animal Room Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	127370	Animal housing room		
DCM	127371	Preparation room		
DCM	127372	Imaging procedure room		
SCT	414485004	Induction room	R-305D6	C1532289
SCT	398161000	Recovery room	R-305C3	C0198828
SCT	409688003	Isolation room	R-305D3	C1443994

Note

1. Only rooms appropriate for animals in the context of in vivo imaging are described (e.g., not necropsy rooms, etc.)
2. (398161000, SCT, "Recovery room" (synonym of "postoperative anesthesia care unit ") is reused here even though its parent is "Location within hospital premises (environment)", which is arguably specifically human. The same is true for (414485004, SCT, "Induction room") and (409688003, SCT, "Isolation room").

CID 604 Device Reuse

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1069**

Table CID 604. Device Reuse

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	127177	Unused		
DCM	127178	Reused		

CID 605 Animal Bedding Material

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1070**

Table CID 605. Animal Bedding Material

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	127230	Aspen chip bedding		
DCM	127231	Aspen shaving bedding		
DCM	127232	Corn cob bedding		
DCM	127233	Paper-based bedding		
DCM	127234	Pine chip bedding		
DCM	127235	Pine shaving bedding		

CID 606 Animal Shelter Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1071**

Table CID 606. Animal Shelter Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	260413007	None	R-40775	C0549184
DCM	127220	Igloo		
DCM	127221	Red translucent igloo		

CID 607 Animal Feed Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1072**

Table CID 607. Animal Feed Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	127271	NIH07		
DCM	127270	NIH31		
DCM	127272	AIN76		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	127273	AIN93G		
DCM	127274	AIN93M		

Note

This context group includes the open source diets described in Barnard DE et al. Open- and Closed-Formula Laboratory Animal Diets and Their Importance to Research. Journal of the American Association for Laboratory Animal Science : JAALAS (2009), 48(6), 709-713. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2786923/.

A more extensive list of NIH-specified diets for small animals (not just mice and rats) can be found at http://web.archive.org/web/20100527090853/http://dvrnet.ors.od.nih.gov/diets_info.asp.

CID 608 Animal Feed Sources

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1073**

Table CID 608. Animal Feed Sources

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
UMLS	C1547887	Commercial product		C1547887
DCM	127390	Locally manufactured product		

Note

(C1547887, UMLS, "Commercial product") originates from the HL7 V2.5 Chapter 04 blood products description as an attribute name rather than a value, but in UMLS is not expressly constrained and has as a parent generic semantic type of "Manufactured Object".

CID 609 Animal Feeding Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1074**

Table CID 609. Animal Feeding Methods

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
NCIt	C64636	ad libitum		C1879743
UMLS	C0425422	Restricted diet		C0425422
DCM	127391	Food treat		
SCT	61420007	Gavage	PA-00620	C0041281

Note

(C0425422, UMLS, "Restricted diet") corresponds to the inactive SNOMED concept of "Dietary restriction NOS"; SNOMED currently does not seem to have an active generic concept of a restricted diet, as opposed to many specific types of restricted diet. In this context, the intent is to convey that the diet is controlled and restricted to finite quantities (e.g., as opposed to ad libitum) without requiring a detailed classification of what components are restricted.

CID 610 Water Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1075**

Table CID 610. Water Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	444923006	Tap water	C-101E9	C2919405
SCT	444883009	Distilled water	C-101E8	C0790233
DCM	127290	Reverse osmosis purified water		
DCM	127291	Reverse osmosis purified, HCl acidified water		

CID 611 Anesthesia Category Code Type for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1076**

Table CID 611. Anesthesia Category Code Type for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 612 “Anesthesia Category Code Type from Anesthesia Quality Initiative (AQI)”				

CID 612 Anesthesia Category Code Type from Anesthesia Quality Initiative (AQI)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1077**

Table CID 612. Anesthesia Category Code Type from Anesthesia Quality Initiative (AQI)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	50697003	General anesthesia	P1-C0010	C0002915
SCT	72641008	Sedation	P1-C0B00	C0344106
SCT	231249005	Spinal anesthesia	P1-C0208	C0002928
SCT	18946005	Epidural anesthesia	P1-C0220	C0002913
SCT	27372005	Regional anesthesia	P1-C0200	C0002911
SCT	386760001	Topical local anesthesia	P1-C0037	C0472473
SCT	386761002	Local anesthesia	P1-C0038	C0002921
SCT	398239001	Monitored Anesthesia Care (MAC)	P1-0512E	C1301902

Note

This context group contains SNOMED procedure code equivalents of enumerated string concepts for the [AQI Schema] element AnesthesiaCategoryCodeType. See http://www.aqihq.org/aqischdoc/AnesthesiaCategoryCodeType.html.

CID 613 Anesthesia Induction Code Type for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1078**

Table CID 613. Anesthesia Induction Code Type for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 614 "Anesthesia Induction Code Type from Anesthesia Quality Initiative (AQI)"				
SCT	38239002	Intraperitoneal route	G-D106	C1522583

Note

The intraperitoneal route is added to the AQI value set, since that route is used for small animal imaging.

CID 614 Anesthesia Induction Code Type from Anesthesia Quality Initiative (AQI)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1079**

Table CID 614. Anesthesia Induction Code Type from Anesthesia Quality Initiative (AQI)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	446406008	By inhalation	R-40B32	C1998547
SCT	47625008	Intravenous route	G-D101	C1522726
SCT	37161004	Per rectum	G-D160	C1527425
SCT	78421000	Intramuscular route	G-D103	C1556154

Note

This context group contains SNOMED administration route code equivalents of enumerated string concepts for the [AQI Schema] element AnesthesiaInductionCodeType. See http://www.aqihq.org/aqischdoc/AnesthesiaInductionCodeType.html.

CID 615 Anesthesia Maintenance Code Type for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1080**

Table CID 615. Anesthesia Maintenance Code Type for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 616 "Anesthesia Maintenance Code Type from Anesthesia Quality Initiative (AQI)"				

CID 616 Anesthesia Maintenance Code Type from Anesthesia Quality Initiative (AQI)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1081**

Table CID 616. Anesthesia Maintenance Code Type from Anesthesia Quality Initiative (AQI)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	112987001	Inhalation anesthesia system closed rebreathing primary agent	P1-C0020	C0198795
SCT	44812007	Inhalation anesthesia system closed no rebreathing primary agent	P1-C0030	C0198796

Note

This context group contains SNOMED procedure code equivalents of enumerated string concepts for the [AQI Schema] element AnesthesiaMaintenanceCodeType. See http://www.aqihq.org/aqischdoc/AnesthesiaMaintenanceCodeType.html.

The AQI value "circle system" corresponds to (112987001, SCT, "Inhalation anesthesia system closed rebreathing primary agent"). The SNOMED code meaning has been abbreviated to fit within the allowed DICOM Value Representation.

The AQI value "non-rebreathing" corresponds to (44812007, SCT, "Inhalation anesthesia system closed no rebreathing primary agent"). The SNOMED code meaning has been abbreviated to fit within the allowed DICOM Value Representation.

CID 617 Airway Management Method Code Type for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1082**

Table CID 617. Airway Management Method Code Type for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 618 “Airway Management Method Code Type from Anesthesia Quality Initiative (AQI)”				
DCM	127060	Nose cone		

CID 618 Airway Management Method Code Type from Anesthesia Quality Initiative (AQI)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1083**

Table CID 618. Airway Management Method Code Type from Anesthesia Quality Initiative (AQI)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	243147009	Controlled Ventilation	P2-2290D	C0419011
SCT	40617009	Artificial Respiration	P2-22902	C0035205

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	57485005	Oxygen Therapy	P2-22500	C0184633
SCT	424979004	Laryngeal Mask Airway (LMA)	P0-05DE2	C0396618
SCT	447996002	Intubation of respiratory tract	P0-06211	C3164350
SCT	297120004	Anesthetic face mask	A-00BA2	C0573976
SCT	297120004	Anesthetic face mask	A-00BA2	C0573976
DCM	127061	Nasal cannula		C0179574
SCT	180640008	Via tracheostomy	G-D13E	C0393370

Note

This context group contains SNOMED procedure or physical object or qualifier value code equivalents of enumerated string concepts for the [AQI Schema] element AirwayManagementMethodCodeType. See http://www.aqihq.org/aqischdoc/AirwayManagementMethodCodeType.html. Used by permission of the Anesthesia Quality Institute (AQI) (http://aqihq.org/).

CID 619 Airway Management Sub-Method Code Type for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1084**

Table CID 619. Airway Management Sub-Method Code Type for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 620 “Airway Management Sub-Method Code Type from Anesthesia Quality Initiative (AQI)”				

CID 620 Airway Management Sub-Method Code Type from Anesthesia Quality Initiative (AQI)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1085**

Table CID 620. Airway Management Sub-Method Code Type from Anesthesia Quality Initiative (AQI)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
UMLS	C2223982	Inverse ratio ventilation		C2223982
SCT	243154003	High frequency ventilation	P2-22914	C0019540
SCT	448442005	Transtracheal jet ventilation	P2-22933	C3164603
SCT	243156001	Continuous flow ventilation	P2-22916	C0419018

Note

This context group contains SNOMED procedure code equivalents of enumerated string concepts for the [AQI Schema] element AirwayManagementSubMethodCodeType. See http://www.aqihq.org/aqischdoc/AirwayManagementSubMethodCodeType.html.

CID 621 Type of Medication for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1086**

Table CID 621. Type of Medication for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 622 "Medication Type Code Type from Anesthesia Quality Initiative (AQI)"				
DCM	127330	Carrier gas		

CID 622 Medication Type Code Type from Anesthesia Quality Initiative (AQI)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160212**
UID: **1.2.840.10008.6.1.1087**

Table CID 622. Medication Type Code Type from Anesthesia Quality Initiative (AQI)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	86308005	Adrenergic agent	C-68000	C0001637
SCT	14443002	Aminoglycoside antibiotic	C-52500	C0002556
SCT	373265006	Analgesic	F-6181F	C0002771
SCT	372813008	Antiarrhythmic	F-6196E	C0003195
SCT	255631004	Antibiotic	C-5008C	C0003232
SCT	373246003	Anticholinergic	F-6180B	C0242896
SCT	373246003	Anticholinergic agent	F-6180B	C0242896
SCT	372862008	Anticoagulant	F-6199A	C0003280
SCT	255632006	Anticonvulsant	R-F1216	C0003286
SCT	255632006	Anticonvulsant	R-F1216	C0003286
SCT	77671006	Antidiuretic hormone	F-B1810	C1705480
SCT	52017007	Antiemetic	C-85800	C0003297
SCT	373219008	Antifungal	F-617EF	C0003308
SCT	372708000	Anti-heparin agent	F-618BA	C0304941
SCT	372806008	Antihistamine	F-61969	C0003360
SCT	1182007	Antihypertensive	C-81100	C0003364
UMLS	C1579431	Antihypoglycemic		C1579431
SCT	372798009	Barbiturate	R-F2B23	C0004745
SCT	372664007	Benzodiazepine	R-F2B1D	C0005064
SCT	372906009	Benzodiazepine antagonist	F-619EF	C0360298
SCT	373254001	Beta-blocker	F-61814	C0001645
SCT	373297006	Beta-Lactam antibiotic	C-00231	C0026458
SCT	410652009	Blood product	R-005B3	C0456388
SCT	372580007	Bronchodilator	F-616EB	C0006280
SCT	5540006	Calcium	C-14300	C0006675
SCT	373304005	Calcium channel blocker	F-61878	C0006684

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373530005	Caloric agent	F-618D8	C0280082
SCT	396345004	Carbapenem antibiotic	C-002B1	C0006968
SCT	373262009	Cephalosporin antibiotic	C-0021C	C3536856
SCT	421148003	Cholinergic agent	F-620E8	C1720711
SCT	372695000	Diuretic	F-618AF	C0012798
SCT	74626007	Drug diluent	C-50013	C0304221
SCT	41598000	Estrogen	F-B2700	C0014939
SCT	116532005	Gastrointestinal prokinetic	C-84989	C1268865
SCT	373288007	General anesthetic	F-6186A	C0017302
UMLS	C0019593	H2 antagonist		C0019593
SCT	372681003	Hemostatic agent	F-618A5	C0019120
SCT	312064005	Hypoglycemic	C-50309	C0020616
SCT	111139005	Inotropic agent	C-80120	C0304509
SCT	372677003	Lincomycin antibiotic	C-0023B	C0023726
SCT	387056004	Linezolid antibiotic	C-00286	C0663241
SCT	373477003	Local anesthetic	F-6183D	C0002934
SCT	373294004	Low Molecular Weight Heparin	F-6186F	C0019139
SCT	372480009	Macrolide antibiotic	C-00211	C0003240
SCT	72717003	Magnesium	C-14800	C0024467
SCT	372602008	Metronidazole antibiotic	F-616FE	C0025872
SCT	372656001	Narcotic (opiate) antagonist	F-6188F	C0027410
UMLS	C0027409	Narcotic analgesic		C0027409
SCT	96329004	Nasal decongestant	C-97302	C0042398
SCT	373250005	NeuroMuscular Blocking (NMB) - depolarizing	F-6180F	C0027867
SCT	372790002	NeuroMuscular Blocking (NMB) - non depolarizing	F-61959	C0304435
SCT	372665008	NSAID	F-61898	C0003211
SCT	398828005	Ocular Lubricant	F-61D70	C0717951
SCT	410937004	Oxytocic	F-61E2A	C0030094
SCT	373270004	Penicillin antibiotic	C-0021D	C0030842
SCT	372578001	Plasma Expander	F-616E7	C1268852
SCT	88480006	Potassium	C-13500	C0032821
SCT	372722000	Quinolone antibiotic	C-0024C	C1533693
SCT	418760000	Respiratory stimulant	F-6205D	C0282685
SCT	372666009	Skeletal muscle relaxant	F-61899	C0037250
SCT	116566001	Steroid	C-10098	C0038317
SCT	372788003	Sulfonamide antibiotic	C-00257	C0599503
SCT	373206009	Tetracycline antibiotic	C-00216	C1744619
SCT	18220004	Thyroid hormone	F-B3000	C0040135
SCT	372735009	Vancomycin antibiotic	C-0024E	C0042313

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	372881000	Vasoconstrictor	F-619AA	C0042397
SCT	372787008	Vasodilator	F-61957	C0042402
SCT	87708000	Vitamin	F-BB000	C0042890

Note

This context group contains SNOMED substance or product code equivalents of enumerated string concepts for the [AQI Schema] element MedicationTypeCodeType. See http://www.aqihq.org/aqischdoc/MedicationTypeCodeType.html and http://www.aqihq.org/aqischdoc/MedicationTypeCodeTypeExampleList.html.

The AQI value "ABX-Miscellaneous" corresponds to (255631004, SCT, "Antibiotic") product, since there is no substance code in SNOMED.

The AQI value "Vasopressor" corresponds to (372881000, SCT, "Vasoconstrictor").

No equivalent concepts are included for MedicationTypeCodeType values of NonFormulary antibiotic, Dye, Indigo Carmine Red, and Non-Formulary.

CID 623 Medication for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1088**

Table CID 623. Medication for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 624 “Inhalational Anesthesia Agents for Small Animal Anesthesia”				
Include CID 625 “Injectable Anesthesia Agents for Small Animal Anesthesia”				
Include CID 626 “Premedication Agents for Small Animal Anesthesia”				
Include CID 627 “Neuromuscular Blocking Agents for Small Animal Anesthesia”				
Include CID 628 “Ancillary Medications for Small Animal Anesthesia”				
Include CID 629 “Carrier Gases for Small Animal Anesthesia”				
Include CID 630 “Local Anesthetics for Small Animal Anesthesia”				

CID 624 Inhalational Anesthesia Agents for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1089**

Table CID 624. Inhalational Anesthesia Agents for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	31811003	Carbon dioxide	C-10520	C0007012
SCT	259153006	Chloroform	C-20830	C0008238
SCT	386841003	Desflurane	F-61AC9	C0063252
SCT	259170003	Diethyl ether	C-21216	C0014994

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	387176008	Enflurane	F-61A3F	C0014277
SCT	387351001	Halothane	F-61AFE	C0018549
SCT	387368002	Isoflurane	F-61B0A	C0022180
SCT	11136004	Methoxyflurane	C-6A16A	C0025688
SCT	111132001	Nitrous oxide	C-6A118	C0028215
SCT	386842005	Sevoflurane	F-61ACA	C0074414

Note

In this context group, SNOMED substance codes are used in preference to product codes, since there is no need to refer to specific products or preparations. SNOMED codes are used in preference to other potential sources of pharmaceutical related codes, such as from the National Drug Code (NDC) directory.

CID 625 Injectable Anesthesia Agents for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160212**
UID: **1.2.840.10008.6.1.1090**

Table CID 625. Injectable Anesthesia Agents for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	277016007	Alphachloralose	C-23805	C0008162
SCT	125707004	Alphadolone	C-6A161	C0051481
UMLS	C0051482	Alphaxalone		C0051482
SCT	96229001	Azaperone	C-640A0	C0004477
SCT	372901004	Butabarbital	R-F2B27	C0006464
SCT	273948005	Chloral hydrate	R-F6E36	C0008161
SCT	387264003	Diazepam	R-F2B2C	C0012010
SCT	387146001	Droperidol	F-61A26	C0013136
SCT	387218008	Etomidate	F-61A66	C0015131
UMLS	C0060473	Fluanisone		C0060473
SCT	373464007	Ketamine	F-6182F	C0022614
SCT	373488009	Methohexital	F-61848	C0025668
UMLS	C0025856	Metomidate		C0025856
SCT	373476007	Midazolam	F-6183C	C0026056
SCT	372703009	Pentobarbital	R-F2B1F	C0030883
SCT	387423006	Propofol	F-61B48	C0033487
SCT	40342009	Thiamylal	C-6A16B	C0039855
SCT	387448009	Thiopental	F-61BB2	C0936073
SCT	96265006	Tiletamine	C-6A190	C0242522
SCT	84386009	Tribromoethanol	C-6A16E	C0084847
SCT	873008	Urethane (ethyl carbamate)	C-29020	C0041964
SCT	96230006	Xylazine	C-640B0	C0242544

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	96227004	Zolazepam	C-64090	C0917859

Note

In this context group, SNOMED substance codes are used in preference to product codes, since there is no need to refer to specific products or preparations. SNOMED codes are used in preference to other potential sources of pharmaceutical related codes, such as from the National Drug Code (NDC) directory.

CID 626 Premedication Agents for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1091**

Table CID 626. Premedication Agents for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	96218000	Acepromazine	C-62960	C0000959
SCT	387258005	Chlorpromazine	F-61A7F	C0008286

CID 627 Neuromuscular Blocking Agents for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1092**

Table CID 627. Neuromuscular Blocking Agents for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	372724004	Succinylcholine	F-61916	C0038627
SCT	373738000	Pancuronium	F-61639	C0030310

Note

In this context group, SNOMED substance codes are used in preference to product codes, since there is no need to refer to specific products or preparations. SNOMED codes are used in preference to other potential sources of pharmaceutical related codes, such as from the National Drug Code (NDC) directory.

CID 628 Ancillary Medications for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1093**

Table CID 628. Ancillary Medications for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID

Note

This context group is currently empty since no ancillary medications have been identified for this use case yet.

CID 629 Carrier Gases for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1094**

Table CID 629. Carrier Gases for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	320917000	Oxygen gas	C-6A102	C0350411
SCT	417696007	Medical air	C-6A148	C3536832
UMLS	C3846005	Room air		C3846005

Note

In this context group, though SNOMED substance codes are normally used in preference to product codes, in the case of (320917000, SCT, "Oxygen gas") there is no corresponding substance that is specifically the gaseous form of oxygen.

CID 630 Local Anesthetics for Small Animal Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1095**

Table CID 630. Local Anesthetics for Small Animal Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	387150008	Bupivacaine	F-61A28	C0006400
SCT	346553009	Lidocaine + Prilocaine	C-80477	C0617623
SCT	387480006	Lidocaine	F-61BD0	C0023660

Note

- In this context group, SNOMED substance codes are used in preference to product codes, since there is no need to refer to specific products or preparations. SNOMED codes are used in preference to other potential sources of pharmaceutical related codes, such as from the National Drug Code (NDC) directory.
- For Lidocaine + Prilocaine, since it is a mixture of two substances, the code for the product concept is used. The code for a mixture of unspecified type is used, rather than a more specific code, e.g., for the so-called "Eutectic Mixture of Local Anesthetics (EMLA)", which consists of Lidocaine + Prilocaine. UMLS contains three distinct concepts, (C0059079, UMLS, "EMLA"), (C0617623, UMLS, "Lidocaine/Prilocaine") and (C0950567, UMLS, "Eutectic Lidocaine-Prilocaine").

CID 631 Phase of Procedure Requiring Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1096**

Table CID 631. Phase of Procedure Requiring Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 632 “Phase of Surgical Procedure Requiring Anesthesia”				
Include CID 633 “Phase of Imaging Procedure Requiring Anesthesia”				

CID 632 Phase of Surgical Procedure Requiring Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1097**

Table CID 632. Phase of Surgical Procedure Requiring Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	262068006	Preoperative	R-413C5	C0445204
SCT	277671009	Intraoperative	R-400B2	C0456904
SCT	262061000	Postoperative	R-413B7	C0032790

CID 633 Phase of Imaging Procedure Requiring Anesthesia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1098**

Table CID 633. Phase of Imaging Procedure Requiring Anesthesia

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	307153007	Before procedure	R-40FB9	C0585032
SCT	307154001	During procedure	R-40FBA	C0585033
SCT	303110006	After procedure	R-422A4	C0580203

Note

The concepts used in this context group are more general than those for a specific procedure, e.g., surgery, radiotherapy, chemotherapy. In SNOMED, the concepts used in this context group are the parent concepts of the surgically-specific concepts used in CID 631 “Phase of Procedure Requiring Anesthesia”. There are no concepts defined specifically for periods related to an imaging procedure so the general concepts suffice (in context).

CID 634 Phase of Animal Handling

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1099**

Table CID 634. Phase of Animal Handling

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	127101	In home cage		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	127102	During transport		
DCM	127103	Staging prior to imaging		
DCM	127104	Preparation for imaging		
SCT	241687005	Anesthesia induction	P1-C0012	C0473960
SCT	363679005	Imaging procedure	P0-0099A	C0011923
UMLS	C0002908	Anesthesia recovery period		C0002908

CID 635 Heating Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1100**

Table CID 635. Heating Method

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	468192005	Air heating pad	R-FDB79	C3877351
SCT	79811009	Electric blanket	A-18041	C0336614
SCT	27812008	Electric heating pad	A-2C140	C0181157
DCM	127250	Forced air heater		
SCT	420572009	Forced air warming blanket	A-17454	C1719899
DCM	127251	Heated imaging device		
DCM	127252	Heated patient support		
DCM	127253	Heated water blanket		
UMLS	C0181514	Heat lamp		C0181514
SCT	39790008	Non-electric heating pad	A-2C141	C0521200
DCM	127254	Pre-heated pad		
DCM	127255	Unheated		
SCT	71384000	Warmer device	A-17450	C0184348
SCT	421335007	Warming blanket	A-17452	C0184351

CID 636 Temperature Sensor Device Component Type for Small Animal Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1101**

Table CID 636. Temperature Sensor Device Component Type for Small Animal Procedures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	307047009	Rectal temperature	F-00BB8	C0489749
UMLS	C0039810	Thermography		C0039810

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	127240	Carrier temperature sensor		

Note

(C0039810, UMLS, "Thermography") is a general concept that also encompasses diagnostic uses of thermography, in addition to simple temperature measurement; only the latter meaning is used here, as is implicit from the context of invocation.

CID 637 Exogenous Substance Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1102**

Table CID 637. Exogenous Substance Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	246345001	Graft material	G-C1F9	C0181074
DCM	127460	Tumor Graft		
SCT	88921000	Fibril	T-1A080	C0225328
SCT	49872002	Virus	L-30000	C0042776
SCT	75777003	Cytokine	F-CB250	C0079189
SCT	80917008	Toxin	C-00224	C0040549

Note

The specific concept (C22490, NCIt, "Tumor Cell Graft") (UMLS:C1519674) is not used, since grafts may not be cell suspensions, but rather entire tumors, fragments of tumor tissue, etc. Whether the graft is a xenograft or homograft is not specified, and may be encoded elsewhere (e.g., by encoding the species of origin). The non-tumor specific concept (246345001, SCT, "Graft material") may be used when the graft is not a tumor (though strictly speaking, it is a SNOMED attribute rather than substance; UMLS:C0181074 does not make such a distinction).

CID 638 Exogenous Substance

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1103**

Table CID 638. Exogenous Substance

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 639 “Tumor Graft Histologic Type”				
Include CID 640 “Fibrils”				
Include CID 641 “Viruses”				
Include CID 642 “Cytokines”				
Include CID 643 “Toxins”				

CID 639 Tumor Graft Histologic Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1104**

Table CID 639. Tumor Graft Histologic Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	35917007	Adenocarcinoma	M-81403	C0001418
SCT	70594002	Amelanotic melanoma	M-87303	C0206735
SCT	38713004	Astrocytoma	M-94003	C0004114
NCIt	C2923	Bronchioloalveolar adenocarcinoma		C0007120
SCT	68453008	Carcinoma	M-80103	C0007097
SCT	63264007	Carcinosarcoma	M-89803	C0007140
SCT	21008007	Cystadenocarcinoma	M-84403	C0010631
SCT	63634009	Glioblastoma	M-94403	C0017636
SCT	408643008	Infiltrating ductal carcinoma of breast	D0-F0369	C1134719
SCT	22687000	Large cell carcinoma	M-80123	C0206704
SCT	93143009	Leukemia	DC-F4113	C0023418
SCT	2092003	Melanoma	M-87203	C0025202
SCT	62064005	Mesothelioma	M-90503	C0025500
SCT	21326004	Mixed small cell carcinoma	M-80453	C0334240
SCT	128632008	Non-small cell carcinoma	M-80463	C1266002
SCT	21708004	Osteosarcoma	M-91803	C0029463
SCT	702391001	Renal cell carcinoma	R-FB83F	C0007134
SCT	2424003	Sarcoma	M-88003	C1261473
SCT	74364000	Small cell carcinoma	M-80413	C0262584
SCT	65692009	Spindle cell carcinoma	M-80323	C0205697
SCT	28899001	Squamous cell carcinoma	M-80703	C0007137

CID 640 Fibrils

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1105**

Table CID 640. Fibrils

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	127851	Human alpha synuclein preformed fibrils		
DCM	127852	Mouse alpha synuclein preformed fibrils		
DCM	127853	Human Tau preformed fibrils		
DCM	127854	Mouse Tau preformed fibrils		

CID 641 Viruses

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1106**

Table CID 641. Viruses

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	42024000	Theiler's murine encephalomyelitis virus	L-30606	C0206425
SCT	112381006	Adeno-associated virus group	L-35500	C0001417

CID 642 Cytokines

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1107**

Table CID 642. Cytokines

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	39525005	Tumor necrosis factor alpha	F-CB962	C1456820
SCT	420303002	Interferon gamma	F-C0101	C0021745
SCT	417324009	Vascular endothelial growth factor	F-CB902	C0078058

CID 643 Toxins

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1108**

Table CID 643. Toxins

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	54446009	Lysophosphatidylcholine	F-63750	C0024360
UMLS	C0019873	Ethidium Bromide		C0019873
PUBCHEM_CID	4624	6-hydroxydopamine		
SCT	3325005	Lipopolysaccharide	F-63390	C0023810

CID 644 Exogenous Substance Administration Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170124**
UID: **1.2.840.10008.6.1.1109**

Table CID 644. Exogenous Substance Administration Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	58602004	Flank	T-D2310	C0230171
SCT	12738006	Brain	T-A0100	C0006104
SCT	108369006	Tumor	M-8FFFF	C0027651
SCT	10200004	Liver	T-62000	C0023884
SCT	14016003	Bone Marrow	T-C1000	C0005953
NCIt	C22550	Mouse mammary fat pad		C1512979

Note

Since this context group defines the sites, rather than routes of administration, if the exogenous substance is administered into a tumor, the code for the morphologic abnormality (108369006, SCT, "Tumor") is used, rather than the specific concept for the route (447122006, SCT, "Intratumor route") (which may also be present as the value for the separately encoded route of administration, if present).

CID 645 Exogenous Substance Tissue of Origin

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1110**

Table CID 645. Exogenous Substance Tissue of Origin

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	409615008	Ascitic fluid	T-D04AC	C0003964
SCT	272673000	Bone	T-D016E	C0262950
SCT	12738006	Brain	T-A0100	C0006104
SCT	76752008	Breast	T-04000	C0006141
SCT	21483005	Central nervous system	T-A0090	C0927232
SCT	71854001	Colon	T-59300	C0009368
DCM	127801	Embryonic kidney		
SCT	64033007	Kidney	T-71000	C0022646
SCT	39607008	Lung	T-28000	C0024109
SCT	38000004	Lymph	T-C6020	C0024202
SCT	181768009	Lymphatic tissue	T-D03C2	C0024296
SCT	59441001	Lymph Node	T-C4000	C0024204
SCT	128462008	Metastasis	DF-00436	C2939419
SCT	15497006	Ovary	T-87000	C0029939
SCT	60046008	Pleural effusion	D2-80100	C0032227
SCT	41216001	Prostate	T-92000	C0033572
SCT	94391008	Pulmonary metastasis	D2-F1106	C0153676

CID 646 Preclinical Small Animal Imaging Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20151110**
UID: **1.2.840.10008.6.1.1111**

Table CID 646. Preclinical Small Animal Imaging Procedures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	46305-9	Whole body CT		C1830206
LN	24725-4	Head CT	303653007	C0202691
LN	46358-8	MRI whole body	426252008	C1830259
LN	24590-2	Brain MRI		C0881827
LN	44139-4	PET whole body	702767007	C1715409
LN	44138-6	Brain PET	241434002	C0412493
LN	42175-0	Radionuclide scan of whole body	229033006	C1626178
LN	24730-4	Radionuclide brain scan	41440006	C0581582
DCM	127901	SPECT of whole body		
LN	39632-5	Brain SPECT		C1543694
DCM	127902	SPECT CT of whole body		
SCT	24135002	Ultrasonography of total body	P5-B0008	C0203309

Note

1. The inconsistent pattern of modality and anatomy in the code meaning is present in the source coding scheme (e.g., "Whole body CT" versus "PET whole body"), and not changed, except where necessary (e.g., (42175-0, LN, "Radionuclide scan of whole body") is actually just "scan of whole body" in the source scheme, which is insufficient, so "radionuclide" has been added).

2. The UMLS codes that map to the SNOMED concepts, when present, are shown, in the cases when UMLS is lacking a mapping between the LOINC and SNOMED codes. E.g., (44138-6, LN, "Brain PET") maps directly to (C1715408, UMLS, "Multisection:Find:Pt:Brain:Doc:Radnuc.PET"), but (241434002, SCT, "PET Brain Study") maps to (C0412493, UMLS, "PET Brain Study"), which is used instead. In general, UMLS does not unify the mappings from LOINC and SNOMED, presumably due to the lexical dissimilarity of the terms (i.e., the LOINC mapping seems to be based on the fully-specified name rather than the long common name).

CID 647 Position Reference Indicator for Frame of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1112**

Table CID 647. Position Reference Indicator for Frame of Reference

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
FMA	264776	Bregma		C0934419
FMA	264773	Lambda		C0926407

Note

An FMA code is used for bregma since SNOMED only contains fetal bregma.

CID 701 Content Assessment Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20160318**
UID: **1.2.840.10008.6.1.1116**

Table CID 701. Content Assessment Types

Coding Scheme Designator	Code Value	Code Meaning
Include CID 702 "RT Content Assessment Types"		

CID 702 RT Content Assessment Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160318**
UID: **1.2.840.10008.6.1.1117**

Table CID 702. RT Content Assessment Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	121373	RT Pre-Treatment Dose Check
DCM	121374	RT Pre-Treatment Consistency Check

CID 703 Basis of Assessment

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160318**
UID: **1.2.840.10008.6.1.1118**

Table CID 703. Basis of Assessment

Coding Scheme Designator	Code Value	Code Meaning
DCM	121375	Assessment By Comparison
DCM	121376	Assessment By Rules

CID 800 Protocol Assertion Codes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160626**
UID: **1.2.840.10008.6.1.1176**

Table CID 800. Protocol Assertion Codes

Coding Scheme Designator	Code Value	Code Meaning
DCM	128601	Appropriate for the indications
DCM	128621	Inappropriate for the indications
DCM	128602	Consistent with labeling of the device
DCM	128622	Inconsistent with labeling of the device
DCM	128603	Approved for use at the institution
DCM	128623	Disapproved for use at the institution
DCM	128604	Approved for use in the clinical trial
DCM	128624	Disapproved for use in the clinical trial
DCM	128611	Approved for experimental use

Coding Scheme Designator	Code Value	Code Meaning
DCM	128612	Disapproved for experimental use
DCM	128605	Approved for use on pregnant patients
DCM	128617	Disapproved for use on pregnant patients
DCM	128609	Disapproved for any use
DCM	128613	Eligible for reimbursement
DCM	128614	Eligible for reimbursement on per patient basis
DCM	128615	Ineligible for reimbursement
DCM	128606	Appropriate for the device
DCM	128618	Inappropriate for the device
DCM	128607	Inside operational limits of the device
DCM	128619	Outside operational limits of the device
DCM	128608	Optimized for the device instance
DCM	128620	Not optimized for the device instance
DCM	128610	Deprecated protocol

CID 1000 CT Transverse Plane Reference Basis

The items in this context group provide the basis for defining transverse planes associated with the limits of CT acquisitions and reconstructions. It includes body structures, morphologic abnormalities and physical objects that may be the subject or serve as points of reference for imaging.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160905**
UID: **1.2.840.10008.6.1.1121**

Table CID 1000. CT Transverse Plane Reference Basis

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 1001 “Anatomical Reference Basis”				
SCT	49755003	Morphologically Abnormal Structure	M-01000	C0332447
SCT	16349000	Orthopedic device	A-12000	C0029352
SCT	14106009	Cardiac pacemaker	A-11100	C0030163
SCT	40388003	Implant, device	A-04010	C0021102
SCT	65818007	Stent, device	A-25500	C0038257
DCM	128160	Acquired Volume		

CID 1001 Anatomical Reference Basis

The items in this context group are body structures commonly used as a reference basis for imaging.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160905**
UID: **1.2.840.10008.6.1.1122**

Table CID 1001. Anatomical Reference Basis

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 1002 “Anatomical Reference Basis - Head”				
Include CID 1003 “Anatomical Reference Basis - Spine”				
Include CID 1004 “Anatomical Reference Basis - Chest”				
Include CID 1005 “Anatomical Reference Basis - Abdomen/Pelvis”				
Include CID 1006 “Anatomical Reference Basis - Extremities”				

CID 1002 Anatomical Reference Basis - Head

The items in this context group are body structures in the head commonly used as a reference basis for imaging.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160905**
UID: **1.2.840.10008.6.1.1123**

Table CID 1002. Anatomical Reference Basis - Head

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	69105007	Carotid Artery	T-45010	C0007272
SCT	84301002	External Auditory Meatus	T-AB200	C0013444
SCT	24532009	Foramen Magnum	T-11106	C0016519
SCT	55060009	Frontal sinus	T-22200	C0016734
SCT	61671002	Internal Auditory Meatus	T-11134	C0222711
SCT	61242005	Lateral Canthus	T-AA813	C0229246
SCT	91609006	Mandible	T-11180	C0024687
SCT	59066005	Mastoid bone	T-11133	C0446908
SCT	91716001	Mastoid cells and antra	T-AB500	C0229422
SCT	15924003	Maxillary sinus	T-22100	C0024957
FMA	264779	Nasion		C0934420
SCT	363654007	Orbital structure	T-D14AE	C0029180
SCT	42575006	Pituitary Fossa	T-D1460	C0036609
SCT	89546000	Skull	T-11100	C0037303
SCT	60911003	Temporal Bone	T-11130	C0039484
SCT	88986008	Vertex of Head	T-D1120	C0230003

Note

1. (61671002, SCT, "Internal Auditory Meatus") is also known as the "Internal Auditory Canal".
2. (84301002, SCT, "External Auditory Meatus") is also known as the "External Auditory Canal".
3. (42575006, SCT, "Pituitary Fossa") is also known as the "Sella Turcica".

CID 1003 Anatomical Reference Basis - Spine

The items in this context group are body structures in the spine commonly used as a reference basis for imaging.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160905**
UID: **1.2.840.10008.6.1.1124**

Table CID 1003. Anatomical Reference Basis - Spine

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	14806007	C1 vertebra	T-11610	C0004170
SCT	243902007	Level of C2/C3 intervertebral disc	T-D005D	C0446383
SCT	243903002	Level of C3/C4 intervertebral disc	T-D005E	C0446384
SCT	243904008	Level of C4/C5 intervertebral disc	T-D005F	C0446385
SCT	243905009	Level of C5/C6 intervertebral disc	T-D007C	C0446386
SCT	243906005	Level of C6/C7 intervertebral disc	T-D007D	C0446387
SCT	243925008	Level of C7/T1 intervertebral disc	T-D009C	C0446406
SCT	243920003	Level of L1/L2 intervertebral disc	T-D0097	C0446401
SCT	243921004	Level of L2/L3 intervertebral disc	T-D0098	C0446402
SCT	243922006	Level of L3/L4 intervertebral disc	T-D0099	C0446404
SCT	243923001	Level of L4/L5 intervertebral disc	T-D009A	C0446403
SCT	243927000	Level of L5/S1 intervertebral disc	T-D009E	C0446408
SCT	243908006	Level of T1/T2 intervertebral disc	T-D007F	C0446389
SCT	243917006	Level of T10/T11 intervertebral disc	T-D0094	C0446398
SCT	243918001	Level of T11/T12 intervertebral disc	T-D0095	C0446399
SCT	243926009	Level of T12/L1 intervertebral disc	T-D009D	C0446407
SCT	243909003	Level of T2/T3 intervertebral disc	T-D008B	C0446390
SCT	243910008	Level of T3/T4 intervertebral disc	T-D008C	C0446391
SCT	243911007	Level of T4/T5 intervertebral disc	T-D008D	C0446392
SCT	243912000	Level of T5/T6 intervertebral disc	T-D008E	C0446393
SCT	243913005	Level of T6/T7 intervertebral disc	T-D008F	C0446394
SCT	243914004	Level of T7/T8 intervertebral disc	T-D0091	C0446395
SCT	243915003	Level of T8/T9 intervertebral disc	T-D0092	C0446396
SCT	243916002	Level of T9/T10 intervertebral disc	T-D0093	C0446397

CID 1004 Anatomical Reference Basis - Chest

The items in this context group are body structures in the chest commonly used as a reference basis for imaging.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160905**
UID: **1.2.840.10008.6.1.1125**

Table CID 1004. Anatomical Reference Basis - Chest

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	85856004	Acromioclavicular Joint	T-15420	C0001208
SCT	57034009	Aortic Arch	T-42300	C0003489

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	13383001	Apex of heart	T-32004	C0225811
SCT	28700002	Carina	T-25201	C0225594
SCT	264293000	Coronary artery graft	T-41065	C0440761
SCT	5798000	Diaphragm	T-D3400	C0011980
SCT	80891009	Heart	T-32000	C0018787
SCT	39607008	Lung	T-28000	C0024109
SCT	79601000	Scapula	T-12280	C0036277
SCT	16982005	Shoulder region structure	T-D2220	C0037004
SCT	7844006	Sternoclavicular Joint	T-15610	C0038291
SCT	56873002	Sternum	T-11210	C0038293
SCT	26493002	Suprasternal Notch	T-11218	C0222769
SCT	42973007	Thoracic Inlet	T-D3160	C0230137
SCT	20298003	Xiphoid Process	T-11227	C0043356

Note

(26493002, SCT, "Suprasternal Notch") is also known as the "Jugular Notch (of Sternum) " and the "Sternal Notch".

CID 1005 Anatomical Reference Basis - Abdomen/Pelvis

The items in this context group are body structures in the abdomen and pelvis commonly used as a reference basis for imaging.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160905**
UID: **1.2.840.10008.6.1.1126**

Table CID 1005. Anatomical Reference Basis - Abdomen/Pelvis

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	37783008	Acetabulum	T-12390	C0000962
SCT	23451007	Adrenal gland	T-B3000	C0001625
SCT	413896006	Common iliac artery bifurcation	R-10258	C1531837
SCT	2812003	Femoral head	T-12711	C0015813
SCT	24136001	Hip joint	T-15710	C0019558
SCT	29850006	Iliac Crest	T-1234A	C0223651
SCT	85710004	Ischium	T-12350	C0022122
SCT	64033007	Kidney	T-71000	C0022646
SCT	55499008	Lesser trochanter	T-12714	C0223866
SCT	10200004	Liver	T-62000	C0023884
SCT	15776009	Pancreas	T-65000	C0030274
SCT	54735007	Sacrum	T-11AD0	C0036037
SCT	82561000	Symphysis pubis	T-15690	C0034015

Note

(82561000, SCT, "Symphysis pubis") is also known as the "Pubic Symphysis".

CID 1006 Anatomical Reference Basis - Extremities

The items in this context group are body structures in the extremities commonly used as a reference basis for imaging.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160905**
UID: **1.2.840.10008.6.1.1127**

Table CID 1006. Anatomical Reference Basis - Extremities

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	70258002	Ankle joint	T-15750	C0003087
SCT	16953009	Elbow joint	T-15430	C0013770
SCT	56459004	Foot	T-D9700	C0016504
SCT	49076000	Knee joint	T-15720	C0022745
SCT	314796009	Malleolar structure of tibia	T-127A7	C1282383
SCT	36455000	Metacarpal	T-12540	C0025526
SCT	64234005	Patella	T-12730	C0030647
SCT	30518006	Scaphoid	T-12450	C0223724
SCT	67453005	Talus	T-12780	C0039277
SCT	306783000	Tibial Plateau	T-1273F	C0584640
SCT	29707007	Toe	T-D9800	C0040357
SCT	74670003	Wrist joint	T-15460	C1322271

Note

(30518006, SCT, "Scaphoid") is also known as the "Radial Carpal".

CID 1010 Reference Geometry - Planes

The items in this context group identify a specific plane associated with a reference basis (see CID 1000 “CT Transverse Plane Reference Basis”). The plane is defined by the intersection of the scan plane with the specified extent of the reference basis.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160905**
UID: **1.2.840.10008.6.1.1128**

Table CID 1010. Reference Geometry - Planes

Coding Scheme Designator	Code Value	Code Meaning
DCM	128128	Plane through Anterior Extent
DCM	128123	Plane through Distal Extent
DCM	128121	Plane through Inferior Extent
DCM	128125	Plane through Lateral Extent
DCM	128126	Plane through Leftmost Extent
DCM	128124	Plane through Medial Extent

Coding Scheme Designator	Code Value	Code Meaning
DCM	128130	Plane through Center
DCM	128129	Plane through Posterior Extent
DCM	128122	Plane through Proximal Extent
DCM	128127	Plane through Rightmost Extent
DCM	128120	Plane through Superior Extent

CID 1011 Reference Geometry - Points

The items in this context group identify a specific point associated with a reference basis (see CID 1000 “CT Transverse Plane Reference Basis”).

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160905**
UID: **1.2.840.10008.6.1.1129**

Table CID 1011. Reference Geometry - Points

Coding Scheme Designator	Code Value	Code Meaning
DCM	128137	Geometric Centerpoint
DCM	128138	Center of Mass

CID 1015 Patient Alignment Methods

The items in this context group identify methods for aligning a patient (or other imaging subject) in a scanner.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160905**
UID: **1.2.840.10008.6.1.1130**

Table CID 1015. Patient Alignment Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	128151	Laser Cross-hairs

CID 1200 Contraindications For CT Imaging

The items in this context group identify possible contraindications for specific CT imaging protocols. Contraindications for CT imaging in general, irrespective of the Protocol used, are not included here.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160905**
UID: **1.2.840.10008.6.1.1131**

Table CID 1200. Contraindications For CT Imaging

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	293638001	X-ray Contrast Media Allergy	DF-10F42	C0570563
SCT	293637006	Contrast Media Allergy	DF-10F41	C0570562
SCT	77386006	Patient currently pregnant	F-84000	C0549206
SCT	236423003	Impaired Renal Function	D7-11007	C1565489

CID 3000 Audio Channel Source

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040326**
UID: **1.2.840.10008.6.1.42**

Table CID 3000. Audio Channel Source

Coding Scheme Designator	Code Value	Code Meaning
DCM	109110	Voice
DCM	109111	Operator's narrative
DCM	109112	Ambient room environment
DCM	109113	Doppler audio
DCM	109114	Phonocardiogram
DCM	109115	Physiological audio signal

CID 3001 ECG Leads

This Context Group comprises the ECG lead identifiers of ISO/IEEE 11073-10101, including human and canine leads. The terms included in the table below may not constitute the complete list; see the ISO/IEEE Standard.

Note

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130613**
UID: **1.2.840.10008.6.1.43**

Table CID 3001. ECG Leads

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	2:71	Lead A (Nehb - Anterior)	MDC_ECG_LEAD_A
MDC	2:75	Auxiliary unipolar lead 1	MDC_ECG_LEAD_A1
MDC	2:76	Auxiliary unipolar lead 2	MDC_ECG_LEAD_A2
MDC	2:77	Auxiliary unipolar lead 3	MDC_ECG_LEAD_A3
MDC	2:78	Auxiliary unipolar lead 4	MDC_ECG_LEAD_A4
MDC	2:127	Auxiliary bipolar lead 1	MDC_ECG_LEAD_AB1
MDC	2:128	Auxiliary bipolar lead 2	MDC_ECG_LEAD_AB2
MDC	2:129	Auxiliary bipolar lead 3	MDC_ECG_LEAD_AB3
MDC	2:130	Auxiliary bipolar lead 4	MDC_ECG_LEAD_AB4
MDC	2:133	EASI Lead AI	MDC_ECG_LEAD_AI
MDC	2:132	EASI Lead AS	MDC_ECG_LEAD_AS
MDC	2:64	aVF, augmented voltage, foot	MDC_ECG_LEAD_AVF
MDC	2:63	aVL, augmented voltage, left	MDC_ECG_LEAD_AVL
MDC	2:62	aVR, augmented voltage, right	MDC_ECG_LEAD_AVR
MDC	2:65	−aVR	MDC_ECG_LEAD_AVRneg

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	2:86	Chest lead	MDC_ECG_LEAD_C
MDC	2:124	negative: low right scapula Lead	MDC_ECG_LEAD_CB5
MDC	2:98	Chest lead (symmetric placement)	MDC_ECG_LEAD_CC
MDC	2:99	Chest lead per V1 and V1R placement	MDC_ECG_LEAD_CC1
MDC	2:100	Chest lead per V2 and V2R placement	MDC_ECG_LEAD_CC2
MDC	2:101	Chest lead per V3 and V3R placement	MDC_ECG_LEAD_CC3
MDC	2:102	Chest lead per V4 and V4R placement	MDC_ECG_LEAD_CC4
MDC	2:19	Chest lead per V5 and V5R placement	MDC_ECG_LEAD_CC5
MDC	2:103	Chest lead per V6 and V6R placement	MDC_ECG_LEAD_CC6
MDC	2:104	Chest lead per V7 and V8R placement	MDC_ECG_LEAD_CC7
MDC	2:122	Lead CH5	MDC_ECG_LEAD_CH5
MDC	2:105	Chest-manubrium lead	MDC_ECG_LEAD_CM
MDC	2:106	Chest-manubrium lead per V1 placement	MDC_ECG_LEAD_CM1
MDC	2:107	Chest-manubrium lead per V2 placement	MDC_ECG_LEAD_CM2
MDC	2:108	Chest-manubrium lead per V3 placement	MDC_ECG_LEAD_CM3
MDC	2:109	Chest-manubrium lead per V4 placement	MDC_ECG_LEAD_CM4
MDC	2:20	Chest-manubrium lead per V5 placement	MDC_ECG_LEAD_CM5
MDC	2:110	Chest-manubrium lead per V6 placement	MDC_ECG_LEAD_CM6
MDC	2:121	Chest-manubrium lead per V7 placement	MDC_ECG_LEAD_CM7
MDC	2:125	Lead CR5	MDC_ECG_LEAD_CR5
MDC	2:123	negative: right infraclavicular fossa	MDC_ECG_LEAD_CS5
MDC	2:148	Canine, fifth right intercostal space near edge of sternum	MDC_ECG_LEAD_CV5RL
MDC	2:149	Canine, sixth left intercostal space near edge of sternum	MDC_ECG_LEAD_CV6LL
MDC	2:150	Canine, sixth left intercostal space at costochondral junction	MDC_ECG_LEAD_CV6LU
MDC	2:70	Lead D (Nehb - Dorsal)	MDC_ECG_LEAD_D
MDC	2:114	Derived Lead aVF	MDC_ECG_LEAD_dAVF
MDC	2:113	Derived Lead aVL	MDC_ECG_LEAD_dAVL
MDC	2:112	Derived Lead aVR	MDC_ECG_LEAD_dAVR
MDC	2:73	Defibrillator lead: anterior-lateral	MDC_ECG_LEAD_DEFIB
MDC	2:31	Derived Lead I	MDC_ECG_LEAD_dI
MDC	2:32	Derived Lead II	MDC_ECG_LEAD_dII
MDC	2:111	Derived Lead III	MDC_ECG_LEAD_dIII
MDC	2:33	Derived Lead V1	MDC_ECG_LEAD_dV1
MDC	2:34	Derived Lead V2	MDC_ECG_LEAD_dV2
MDC	2:35	Derived Lead V3	MDC_ECG_LEAD_dV3
MDC	2:36	Derived Lead V4	MDC_ECG_LEAD_dV4
MDC	2:37	Derived Lead V5	MDC_ECG_LEAD_dV5
MDC	2:38	Derived Lead V6	MDC_ECG_LEAD_dV6
MDC	2:131	EASI Lead ES	MDC_ECG_LEAD_ES

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	2:74	External pacing lead: anterior-posterior	MDC_ECG_LEAD_EXTERN
MDC	2:27	Frank Lead A	MDC_ECG_LEAD_fA
MDC	2:26	Frank Lead C	MDC_ECG_LEAD_fC
MDC	2:25	Frank Lead E	MDC_ECG_LEAD_fE
MDC	2:29	Frank Lead F	MDC_ECG_LEAD_fF
MDC	2:30	Frank Lead H	MDC_ECG_LEAD_fH
MDC	2:24	Frank Lead I	MDC_ECG_LEAD_fI
MDC	2:28	Frank Lead M	MDC_ECG_LEAD_fM
MDC	2:1	Lead I	MDC_ECG_LEAD_I
MDC	2:2	Lead II	MDC_ECG_LEAD_II
MDC	2:61	Lead III	MDC_ECG_LEAD_III
MDC	2:72	Lead J (Nehb - Inferior)	MDC_ECG_LEAD_J
MDC	2:21	Left Arm Lead	MDC_ECG_LEAD_LA
MDC	2:23	Left Leg Lead	MDC_ECG_LEAD_LL
MDC	2:91	Modified chest lead (left arm indifferent)	MDC_ECG_LEAD_MCL
MDC	2:92	Modified chest lead per V1 placement	MDC_ECG_LEAD_MCL1
MDC	2:93	Modified chest lead per V2 placement	MDC_ECG_LEAD_MCL2
MDC	2:94	Modified chest lead per V3 placement	MDC_ECG_LEAD_MCL3
MDC	2:95	Modified chest lead per V4 placement	MDC_ECG_LEAD_MCL4
MDC	2:96	Modified chest lead per V5 placement	MDC_ECG_LEAD_MCL5
MDC	2:97	Modified chest lead per V6 placement	MDC_ECG_LEAD_MCL6
MDC	2:126	Modified limb lead	MDC_ECG_LEAD_ML
MDC	2:22	Right Arm Lead	MDC_ECG_LEAD_RA
MDC	2:147	Right Leg Lead	MDC_ECG_LEAD_RL
MDC	2:134	EASI upper sternum lead	MDC_ECG_LEAD_S
MDC	2:87	Precordial lead	MDC_ECG_LEAD_V
MDC	2:3	Lead V1	MDC_ECG_LEAD_V1
MDC	2:151	Canine, over dorsal spinous process of 7th thoracic vertebra	MDC_ECG_LEAD_V10
MDC	2:4	Lead V2	MDC_ECG_LEAD_V2
MDC	2:10	Lead V2R	MDC_ECG_LEAD_V2R
MDC	2:5	Lead V3	MDC_ECG_LEAD_V3
MDC	2:11	Lead V3R	MDC_ECG_LEAD_V3R
MDC	2:6	Lead V4	MDC_ECG_LEAD_V4
MDC	2:12	Lead V4R	MDC_ECG_LEAD_V4R
MDC	2:7	Lead V5	MDC_ECG_LEAD_V5
MDC	2:13	Lead V5R	MDC_ECG_LEAD_V5R
MDC	2:8	Lead V6	MDC_ECG_LEAD_V6
MDC	2:14	Lead V6R	MDC_ECG_LEAD_V6R
MDC	2:9	Lead V7	MDC_ECG_LEAD_V7
MDC	2:15	Lead V7R	MDC_ECG_LEAD_V7R

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	2:66	Lead V8	MDC_ECG_LEAD_V8
MDC	2:68	Lead V8R	MDC_ECG_LEAD_V8R
MDC	2:67	Lead V9	MDC_ECG_LEAD_V9
MDC	2:69	Lead V9R	MDC_ECG_LEAD_V9R
MDC	2:90	Lead VF, nonaugmented voltage, vector of LL	MDC_ECG_LEAD_VF
MDC	2:89	Lead VL, nonaugmented voltage, vector of LA	MDC_ECG_LEAD_VL
MDC	2:88	Lead VR, nonaugmented voltage, vector of RA	MDC_ECG_LEAD_VR
MDC	2:16	Lead X	MDC_ECG_LEAD_X
MDC	2:17	Lead Y	MDC_ECG_LEAD_Y
MDC	2:18	Lead Z	MDC_ECG_LEAD_Z
MDC	2:0	Unspecified lead	MDC_ECG_LEAD_CONFIG

Note

1. A prior version of this context group used codes from the SCP-ECG vocabulary.
2. In a prior version of this table, the code 2:26 was specified for the concept Chest lead and the code 2:19 was specified for the concept Chest-manubrium lead per V5 placement.

CID 3003 Hemodynamic Waveform Sources

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.44**

Table CID 3003. Hemodynamic Waveform Sources

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128444004	Aortic pressure waveform	G-DB22	C1264738
SCT	128453006	Aortic valve pullback pressure waveform	G-DB31	C1264746
SCT	128446002	Arterial pressure waveform	G-DB24	C0444695
SCT	128445003	Central venous pressure waveform	G-DB23	C1264739
SCT	128455004	Dye dilution cardiac output waveform	G-DB33	C1264748
SCT	128442000	Femoral artery pressure waveform	G-DB20	C1264737
SCT	128434001	Hemodynamic flow waveform	G-DB12	C1264729
SCT	128552003	Hemodynamic impedance waveform	G-DB34	C1264749
SCT	128435000	Hemodynamic oxygen saturation waveform	G-DB13	C1264730
SCT	128433007	Hemodynamic pressure waveform	G-DB11	C1264728
SCT	128432002	Hemodynamic waveform	G-DB10	C1264727
SCT	128441007	Left atrium pressure waveform	G-DB19	C1264736
SCT	128438003	Left ventricle pressure waveform	G-DB16	C1264733
SCT	128450009	Mitral valve pullback pressure waveform	G-DB28	C1264743

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128447006	Pulmonary artery oxygen saturation waveform	G-DB25	C1264740
SCT	128443005	Pulmonary artery pressure waveform	G-DB21	C0428729
SCT	128449009	Pulmonary artery wedge pressure waveform	G-DB27	C1264742
SCT	128448001	Pulmonary capillary wedge pressure waveform	G-DB26	C1264741
SCT	128452001	Pulmonary valve pullback pressure waveform	G-DB30	C1264745
SCT	128436004	Respiration impedance waveform	G-DB14	C1264731
SCT	128440008	Right atrium pressure waveform	G-DB18	C1264735
SCT	128439006	Right ventricle pressure waveform	G-DB17	C1264734
SCT	128437008	Temperature waveform	G-DB15	C1264732
SCT	128454000	Thermal cardiac output waveform	G-DB32	C1264747
SCT	128451008	Tricuspid valve pullback pressure waveform	G-DB29	C1264744

CID 3004 Arterial Pulse Waveform

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090409**
UID: **1.2.840.10008.6.1.803**

Table CID 3004. Arterial Pulse Waveform

Coding Scheme Designator	Code Value	Code Meaning
DCM	109116	Arterial Pulse Waveform

CID 3005 Respiration Waveform

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090409**
UID: **1.2.840.10008.6.1.804**

Table CID 3005. Respiration Waveform

Coding Scheme Designator	Code Value	Code Meaning
DCM	109117	Respiration Waveform

CID 3010 Cardiovascular Anatomic Locations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180605**
UID: **1.2.840.10008.6.1.45**

Table CID 3010. Cardiovascular Anatomic Locations

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	7832008	Abdominal aorta	T-42500	C0003484
SCT	128585006	Anomalous pulmonary vein	T-48503	C0265914
SCT	128553008	Antecubital vein	T-49215	C1276271
SCT	194996006	Anterior cardiac vein	T-48403	C0226662
SCT	8012006	Anterior communicating artery	T-45530	C0149562
SCT	17388009	Anterior spinal artery	T-45730	C0149603
SCT	68053000	Anterior tibial artery	T-47700	C0085816
SCT	15825003	Aorta	T-42000	C0003483
SCT	57034009	Aortic arch	T-42300	C0003489
SCT	128551005	Aortic fistula	D3-81922	C1290392
SCT	128564006	Apex of left ventricle	T-32602	C0580781
SCT	128565007	Apex of right ventricle	T-32502	C0445242
SCT	51114001	Artery	T-41000	C0003842
SCT	54247002	Ascending aorta	T-42100	C0003956
SCT	67937003	Axillary Artery	T-47100	C0004455
SCT	68705008	Axillary vein	T-49110	C0004456
SCT	72107004	Azygos vein	T-48340	C0004526
SCT	128981007	Baffle	A-00203	C1289790
SCT	59011009	Basilar artery	T-45800	C0004811
SCT	91830000	Body conduit	T-D00AB	C1735317
SCT	128548003	Boyd's perforating vein	T-49424	C1267522
SCT	17137000	Brachial artery	T-47160	C0006087
SCT	20115005	Brachial vein	T-49350	C0226812
SCT	69105007	Carotid Artery	T-45010	C0007272
SCT	20699002	Cephalic vein	T-49240	C0226802
SCT	88556005	Cerebral artery	T-45510	C0007770
SCT	253276007	Common atrium	D4-31005	C0392482
SCT	32062004	Common carotid artery	T-45100	C0162859
SCT	181347005	Common Femoral Artery	T-47402	C0447105
SCT	73634005	Common iliac artery	T-46710	C1261084
SCT	46027005	Common iliac vein	T-48920	C0226758
SCT	45503006	Common ventricle	D4-31120	C0152424
SCT	128555001	Congenital coronary artery fistula to left atrium	D4-32504	C1290487
SCT	128556000	Congenital coronary artery fistula to left ventricle	D4-32506	C1290488
SCT	128557009	Congenital coronary artery fistula to right atrium	D4-32509	C1290489
SCT	128558004	Congenital coronary artery fistula to right ventricle	D4-32510	C1290490

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	111289009	Congenital pulmonary arteriovenous fistula	D3-40208	C0155675
SCT	41801008	Coronary artery	T-43000	C0205042
SCT	90219004	Coronary sinus	T-48410	C0456944
SCT	32672002	Descending aorta	T-42400	C3163626
SCT	128554002	Dodd's perforating vein	T-49429	C1267525
SCT	22286001	External carotid artery	T-45200	C0007275
SCT	113269004	External iliac artery	T-46910	C0226398
SCT	63507001	External iliac vein	T-48930	C0226761
SCT	23074001	Facial artery	T-45240	C0226109
SCT	7657000	Femoral artery	T-47400	C0015801
SCT	83419000	Femoral vein	T-49410	C0015809
SCT	110568007	Gastric vein	T-48820	C0750610
SCT	128559007	Genicular artery	T-47490	C0447108
SCT	5928000	Great cardiac vein	T-48420	C0226659
SCT	60734001	Great saphenous vein	T-49530	C0392907
SCT	76015000	Hepatic artery	T-46420	C0019145
SCT	8993003	Hepatic vein	T-48720	C0019155
SCT	128560002	Hunterian perforating vein	T-4942A	C1267526
SCT	10293006	Iliac artery	T-46700	C0020887
SCT	195416006	Inferior cardiac vein	T-484A4	C0226664
SCT	51249003	Inferior left pulmonary vein	T-48540	C0226686
SCT	33795007	Inferior mesenteric artery	T-46520	C0162860
SCT	113273001	Inferior right pulmonary vein	T-48520	C0226676
SCT	64131007	Inferior vena cava	T-48710	C0042458
SCT	12691009	Innominate artery	T-46010	C0006094
SCT	8887007	Innominate vein	T-48620	C0006095
SCT	86117002	Internal carotid artery	T-45300	C0007276
SCT	12123001	Internal jugular vein	T-48170	C0226550
SCT	90024005	Internal iliac artery	T-46740	C0226364
SCT	69327007	Internal mammary artery	T-46200	C0226276
SCT	128563000	Juxtaposed atrial appendage	D4-31052	C1290478
SCT	59749000	Lacrimal artery	T-45410	C0226171
SCT	128979005	Lacrimal artery of right eye	T-45416	C0923299
SCT	82471001	Left atrium	T-32300	C0225860
SCT	33626005	Left auricular appendage	T-32310	C0225861
SCT	113270003	Left femoral artery	T-47420	C0226448
SCT	50408007	Left pulmonary artery	T-44400	C0226069
SCT	87878005	Left ventricle	T-32600	C0225897
SCT	70238003	Left ventricle inflow	T-32640	C0225911
SCT	13418002	Left ventricle outflow tract	T-32650	C0225912

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	113264009	Lingual artery	T-45230	C0226104
SCT	34635009	Lumbar artery	T-46960	C0226408
SCT	86570000	Mesenteric artery	T-46500	C0025465
SCT	128583004	Mesenteric vein	T-4884A	C0025473
SCT	31145008	Occipital artery	T-45250	C0226117
SCT	32114007	Occipital vein	T-48214	C0226579
SCT	53549008	Ophthalmic artery	T-45400	C0029078
SCT	83330001	Patent ductus arteriosus	D4-32012	C0013274
SCT	8821006	Peroneal artery	T-47630	C0226476
SCT	43899006	Popliteal artery	T-47500	C0032649
SCT	32764006	Portal vein	T-48810	C0032718
SCT	43119007	Posterior communication artery	T-45320	C0149559
SCT	128569001	Posterior medial tributary	T-49535	C1267527
SCT	13363002	Posterior tibial artery	T-47600	C0086835
SCT	14944004	Primitive aorta	T-F7001	C0231136
SCT	91707000	Primitive pulmonary artery	T-F7040	C0231157
SCT	31677005	Profunda Femoris Artery	T-47440	C0226455
SCT	81040000	Pulmonary artery	T-44000	C0034052
SCT	128584005	Pulmonary artery conduit	D4-33142	C1290491
SCT	128586007	Pulmonary chamber of cor triatriatum	T-32190	C1267246
SCT	122972007	Pulmonary vein	T-48581	C0034090
SCT	128566008	Pulmonary vein confluence	D4-33512	C1290492
SCT	128567004	Pulmonary venous atrium	D4-33514	C1290493
SCT	45631007	Radial artery	T-47300	C0162857
SCT	2841007	Renal artery	T-46600	C0035065
SCT	56400007	Renal vein	T-48740	C0035092
SCT	73829009	Right atrium	T-32200	C0225844
SCT	68300000	Right auricular appendage	T-32210	C0225845
SCT	69833005	Right femoral artery	T-47410	C0226447
SCT	78480002	Right pulmonary artery	T-44200	C0226054
SCT	53085002	Right ventricle	T-32500	C0225883
SCT	8017000	Right ventricle inflow	T-32540	C0225891
SCT	44627009	Right ventricle outflow tract	T-32550	C0225892
SCT	128587003	Saphenofemoral junction	T-D930A	C0447132
SCT	362072009	Saphenous vein	T-4940B	C0036186
SCT	22083002	Splenic artery	T-46460	C0037996
SCT	35819009	Splenic vein	T-48890	C0038001
SCT	36765005	Subclavian artery	T-46100	C0038530
SCT	9454009	Subclavian vein	T-48330	C0038532
SCT	181349008	Superficial Femoral Artery	T-47403	C0447106

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	15672000	Superficial temporal artery	T-45270	C0226130
SCT	43863001	Superior left pulmonary vein	T-48530	C0226682
SCT	42258001	Superior mesenteric artery	T-46510	C0162861
SCT	8629005	Superior right pulmonary vein	T-48510	C0226671
SCT	72021004	Superior thyroid artery	T-45210	C0226093
SCT	48345005	Superior vena cava	T-48610	C0042459
SCT	128589000	Systemic collateral artery to lung	T-44007	C0345096
SCT	128568009	Systemic venous atrium	D4-33516	C1290494
SCT	113262008	Thoracic aorta	T-42070	C1522460
SCT	61959006	Truncus arteriosus communis	D4-31400	C0041207
SCT	57850000	Truncus coeliacus	T-46400	C0007569
SCT	44984001	Ulnar artery	T-47200	C0162858
SCT	50536004	Umbilical artery	T-F1810	C0041632
SCT	284639000	Umbilical vein	T-48832	C0226734
SCT	29092000	Vein	T-48000	C0042449
SCT	34340008	Venous network	T-48003	C0226503
SCT	85234005	Vertebral artery	T-45700	C0042559

CID 3011 Electrophysiology Anatomic Locations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.46**

Table CID 3011. Electrophysiology Anatomic Locations

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	8225009	Accessory atrioventricular bundle	T-32850	C0006383
SCT	128564006	Apex of left ventricle	T-32602	C0580781
SCT	128565007	Apex of right ventricle	T-32502	C0445242
SCT	345000	Atrioventricular bundle	T-32830	C0006382
SCT	25943004	Atrioventricular node	T-32820	C0004247
SCT	45503006	Common ventricle	D4-31120	C0152424
SCT	90219004	Coronary sinus	T-48410	C0456944
SCT	6871001	Epicardium	T-39010	C0225968
SCT	5928000	Great cardiac vein	T-48420	C0226659
SCT	128591008	High right atrium	G-DE02	C0456955
SCT	51249003	Inferior left pulmonary vein	T-48540	C0226686
SCT	113273001	Inferior right pulmonary vein	T-48520	C0226676
SCT	128592001	Lateral high right atrium	G-DE04	C1264751
SCT	84654008	Left anterior division of left branch atrioventricular bundle	T-32833	C0225918

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	82471001	Left Atrium	T-32300	C0225860
SCT	33626005	Left auricular appendage	T-32310	C0225861
SCT	74031005	Left branch of atrioventricular bundle	T-32832	C0459156
SCT	91085002	Left posterior division of left branch atrioventricular bundle	T-32834	C0225919
SCT	87878005	Left ventricle	T-32600	C0225897
SCT	70238003	Left ventricle inflow	T-32640	C0225911
SCT	13418002	Left ventricle outflow tract	T-32650	C0225912
SCT	128594000	Low right atrium	G-DE08	C0456956
SCT	128593006	Mid right atrium	G-DE06	C0225856
SCT	73580002	Middle cardiac vein	T-48430	C0226660
SCT	65197004	Mitral ring	T-35310	C0225947
SCT	71271007	Ostium of coronary sinus	T-48411	C0226656
SCT	122972007	Pulmonary vein	T-48581	C0034090
SCT	90318009	Pulmonic ring	T-35210	C0225935
SCT	13050003	Purkinje fibers	T-32840	C0034144
SCT	90561006	Right atrioventricular ostium	T-35120	C0225927
SCT	73829009	Right Atrium	T-32200	C0225844
SCT	68300000	Right auricular appendage	T-32210	C0225845
SCT	57383004	Right branch of Atrioventricular bundle	T-32831	C0225916
SCT	53085002	Right ventricle	T-32500	C0225883
SCT	8017000	Right ventricle inflow	T-32540	C0225891
SCT	44627009	Right ventricle outflow tract	T-32550	C0225892
SCT	88210001	Sino-atrial node	T-32810	C0037189
SCT	43863001	Superior left pulmonary vein	T-48530	C0226682
SCT	8629005	Superior right pulmonary vein	T-48510	C0226671
SCT	128595004	Tendon of Todaro	T-32202	C0456939
SCT	113259005	Tricuspid ring	T-35110	C0225926

Note

In a prior version of this Context Group the code T-48500 rather than T-48581 was defined for the concept Pulmonary Vein; this was inconsistent with the DICOM approach of selecting the "structure of" rather than "entire" concept. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 3014 Coronary Artery Segments

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180325**
UID: **1.2.840.10008.6.1.47**

Table CID 3014. Coronary Artery Segments

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Equivalent BARI Code
SCT	91750005	1st Diagonal Coronary Artery	T-43117	C0524430	15
SCT	91757008	1st Left Posterolateral Coronary Artery	T-4312B	C0524437	24
SCT	91754001	1st Marginal Coronary Artery	T-43128	C0524434	20
SCT	91761002	1st Right posterolateral Coronary Artery	T-43213	C0524441	6
SCT	244251006	1st Septal Coronary Artery	T-43002	C0447058	17
SCT	91751009	2nd Diagonal Coronary Artery	T-43118	C0524431	16
SCT	91758003	2nd Left Posterolateral Coronary Artery	T-4312C	C0524438	25
SCT	91755000	2nd Marginal Coronary Artery	T-43129	C0524435	21
SCT	91762009	2nd Right posterolateral Coronary Artery	T-43214	C0524442	7
SCT	91752002	3rd diagonal Coronary Artery	T-43119	C0524432	29
SCT	91759006	3rd Left Posterolateral Coronary Artery	T-4312D	C0524439	26
SCT	91756004	3rd Marginal Coronary Artery	T-4312A	C0524436	22
SCT	91763004	3rd Right posterolateral Coronary Artery	T-43215	C0524443	8
SCT	22765000	Marginal Coronary Artery	T-43230	C0226050	10
SCT	75902001	AV groove continuation of Circumflex Artery	T-43124	C0226041	23
SCT	6511003	Distal Circumflex Coronary Artery	T-43122	C0226039	19A
SCT	36672000	Distal Left Anterior Descending Coronary Artery	T-43112	C0226034	14
SCT	41879009	Distal Right Coronary Artery	T-43202	C0226044	3
BARI	15A	1st Diagonal Coronary Artery Laterals			15A
BARI	20A	1st Marginal Coronary Artery Laterals			20A
BARI	16A	2nd Diagonal Coronary Artery Laterals			16A
BARI	21A	2nd Marginal Coronary Artery Laterals			21A
BARI	29A	3rd Diagonal Coronary Artery Laterals			29A
BARI	22A	3rd Marginal Coronary Artery Laterals			22A
BARI	28A	Ramus Laterals			28A
SCT	3227004	Left Main Coronary Artery	T-43107	C0226031	11
SCT	76862008	Left Main Coronary Artery Ostium	T-43105	C0226030	11A
SCT	91760001	Left Posterior Descending Circumflex Coronary Artery	T-4312E	C0524440	27
SCT	91753007	Mid Circumflex Coronary Artery	T-43127	C0524433	19
SCT	91748002	Mid Left Anterior Descending Coronary Artery	T-43115	C0524428	13
SCT	450960006	Mid Right Coronary Artery	T-D6515	C3472627	2
SCT	53655008	Posterior Descending Right Coronary Artery	T-43210	C0226047	4
BARI	9	Posterior descending septal perforators			9

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Equivalent BARI Code
SCT	52433000	Proximal Circumflex Coronary Artery	T-43121	C0226038	18
SCT	68787002	Proximal Left Anterior Descending Coronary Artery	T-43111	C0226033	12
SCT	91083009	Proximal Right Coronary Artery	T-43201	C0226043	1
SCT	244252004	Intermediate Artery (Ramus)	T-43003	C0447059	28
SCT	56789007	Right Coronary Artery Ostium	T-43205	C0226045	1A
SCT	12800002	Right posterior AV Coronary Artery	T-43212	C0226048	5

Note

In prior editions, this Context Group included BARI [1992] codes as the primary set. These have been replaced with equivalent SNOMED codes for the major artery segments (see PS3.16-2011).

CID 3015 Coronary Arteries

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130403**
UID: **1.2.840.10008.6.1.48**

Table CID 3015. Coronary Arteries

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 3014 “Coronary Artery Segments”				
SCT	59438005	Left Anterior Descending Coronary Artery	T-43110	C0226032
SCT	13647002	Right Coronary Artery	T-43200	C1261316
SCT	57396003	Circumflex Coronary Artery	T-43120	C0226037
SCT	57823005	Left Posterolateral Circumflex Coronary Artery	T-43125	C0278432
SCT	91760001	Left Posterior Descending Circumflex Coronary Artery	T-4312E	C0524440
SCT	264293000	Coronary Artery Graft	T-41065	C0440761

CID 3016 Major Coronary Arteries

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110818**
UID: **1.2.840.10008.6.1.736**

Table CID 3016. Major Coronary Arteries

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	59438005	Left Anterior Descending Coronary Artery	T-43110	C0226032
SCT	13647002	Right Coronary Artery	T-43200	C1261316
SCT	57396003	Circumflex Coronary Artery	T-43120	C0226037

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	3227004	Left Main Coronary Artery	T-43107	C0226031

CID 3019 Cardiovascular Anatomic Location Modifiers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **~~20160314~~20190524**
UID: **1.2.840.10008.6.1.49**

Table CID 3019. Cardiovascular Anatomic Location Modifiers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
~~SCT~~	~~255549009~~	~~Anterior~~	~~R-404CC~~	~~C0205094~~
Include CID 247 “Laterality Left-Right Only”				
Include CID 212 “Generic Anatomic Location Modifiers”				
SCT	128950003	Arterial graft to cited segment	G-D873	C1264698
~~SCT~~	~~26216008~~	~~Central~~	~~G-A110~~	~~C0205099~~
~~SCT~~	~~46053002~~	~~Distal~~	~~G-A119~~	~~C0205108~~
SCT	128947001	Graft to cited segment, body	G-D870	C1264695
SCT	128948006	Graft to cited segment, distal anastomosis	G-D872	C1264697
SCT	128949003	Graft to cited segment, proximal anastomosis	G-D871	C1264696
~~SCT~~	~~261089000~~	~~Inferior~~	~~R-4094A~~	~~C0205104~~
~~SCT~~	~~49370004~~	~~Lateral~~	~~G-A104~~	~~C0205093~~
~~SCT~~	~~7771000~~	~~Left~~	~~G-A101~~	~~C0205091~~
SCT	264114003	Ostium	R-4215C	C0444567
~~SCT~~	~~255551008~~	~~Posterior~~	~~R-404CE~~	~~C0205095~~
~~SCT~~	~~40415009~~	~~Proximal~~	~~G-A118~~	~~C0205107~~
~~SCT~~	~~24028007~~	~~Right~~	~~G-A100~~	~~C0205090~~
~~SCT~~	~~264217000~~	~~Superior~~	~~R-42191~~	~~C1282910~~
SCT	128951004	Venous graft to cited segment	G-D874	C1264699
SCT	361097006	Entire Vessel	T-40003	C1283786
DCM	122101	Aneurysm on cited vessel		
DCM	122102	Graft to cited segment, proximal section		
DCM	122103	Graft to cited segment, mid section		
DCM	122104	Graft to cited segment, distal section		

CID 3082 Cardiology Units of Measurement (Retired)

This Context Group was a subset of CID 82 “Units of Measurement”, and is retired. See PS3.16-2011.

CID 3083 Units of Radioactivity

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.737**

Table CID 3083. Units of Radioactivity

Coding Scheme Designator	Code Value	Code Meaning
UCUM	Bq	becquerel
UCUM	MBq	megabecquerel
UCUM	mCi	millicurie

CID 3090 Time Synchronization Channel Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.51**

Table CID 3090. Time Synchronization Channel Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	109001	Digital timecode (NOS)
DCM	109002	ECG-based gating signal, processed
DCM	109003	IRIG-B timecode
DCM	109004	X-Ray Fluoroscopy On Signal
DCM	109005	X-Ray On Trigger

CID 3101 Cardiac Procedural State Values

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20091021**
UID: **1.2.840.10008.6.1.52**

Table CID 3101. Cardiac Procedural State Values

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128975004	Resting State	F-01604	C0679218
SCT	432655005	Cardiac Stress State	F-05019	C2317276
DCM	109092	Reinjection State		
DCM	109093	Redistribution State		
DCM	109094	Delayed Redistribution State		

CID 3102 Rest-Stress

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.738**

Table CID 3102. Rest-Stress

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128975004	Resting State	F-01604	C0679218
DCM	109091	Cardiac Stress State		

CID 3104 Cardiac Synchronization Technique

This Context Group corresponds to the Enumerated Values of Cardiac Synchronization Technique (0018,9037) (see PS3.3).

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20111028**
UID: **1.2.840.10008.6.1.943**

Table CID 3104. Cardiac Synchronization Technique

Coding Scheme Designator	Code Value	Code Meaning
DCM	109080	Real time acquisition
DCM	109081	Prospective gating
DCM	109082	Retrospective gating
DCM	109083	Paced

CID 3106 PET Cardiology Protocols

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.739**

Table CID 3106. PET Cardiology Protocols

Coding Scheme Designator	Code Value	Code Meaning
DCM	122791	PET Myocardial Perfusion, Rest only
DCM	122792	PET Myocardial Perfusion, Stress only
DCM	122793	PET Myocardial Perfusion, Rest and Stress
DCM	122795	PET Myocardial Viability, Rest only
DCM	122796	PET Myocardial Viability, Stress only
DCM	122797	PET Myocardial Viability, Rest and Stress

CID 3107 PET Cardiology Radiopharmaceuticals

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.740**

Table CID 3107. PET Cardiology Radiopharmaceuticals

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	35321007	Fluorodeoxyglucose F^18^	C-B1031	C0046056
SCT	21576001	^13^Nitrogen	C-107A1	C0302959

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	79197006	^82^Rubidium	C-159A2	C0303554

CID 3108 NM/PET Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.741**

Table CID 3108. NM/PET Procedures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	108294005	Nuclear medicine cardiovascular study	P5-D30F8	C0581579
SCT	241439007	PET heart study	P5-0A006	C0412498
SCT	7562007	Radioisotope study of endocrine system	P5-D6000	C0203777
SCT	41842006	Radioisotope study of hematopoietic system	P5-D6500	C0203797
SCT	53585008	Radioisotope study of gastrointestinal system	P5-D5000	C0412377
SCT	252680004	Radionuclide study for localization of inflammatory disease	P5-D0063	C0474787
SCT	68796002	Radioisotope study of musculoskeletal system	P5-D1000	C0412452
SCT	108300008	Nuclear medicine diagnostic procedure on nervous system	P5-D90F8	C0412330
SCT	45316007	Radionuclide localization of tumor	P5-D0040	C0203651
SCT	19086005	Radioisotope study of respiratory system	P5-D2000	C0203681
SCT	76927004	Radioisotope study of genitourinary system	P5-D7000	C0203833
SCT	241434002	PET brain study	P5-0A001	C0412493
SCT	416323006	PET breast study	P5-0A00D	C1562778
SCT	241443006	PET study for localization of tumor	P5-0A00A	C0473941

CID 3110 Nuclear Cardiology Protocols

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.742**

Table CID 3110. Nuclear Cardiology Protocols

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	431511008	Stress thallium procedure	P5-D300B	C2316301
DCM	122781	Rest thallium/stress technetium procedure		
DCM	122782	Rest technetium/stress technetium 1 day procedure		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122783	Rest technetium/stress technetium 2 day procedure		
DCM	122784	Stress technetium/rest technetium 1 day procedure		
DCM	122785	NM Myocardial Viability procedure		

CID 3111 Nuclear Cardiology Radiopharmaceuticals

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.743**

Table CID 3111. Nuclear Cardiology Radiopharmaceuticals

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	353842007	Thallium-201	C-B1130	C0303322
SCT	404706008	Tc-99m sestamibi	C-B10A2	C0361361
SCT	404707004	Tc-99m tetrofosmin	C-B10A4	C0361363

CID 3112 Attenuation Correction

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.744**

Table CID 3112. Attenuation Correction

Coding Scheme Designator	Code Value	Code Meaning
DCM	122726	Algorithmic Attenuation Correction
DCM	122727	NM Transmission Attenuation Correction
DCM	122728	CT-based Attenuation Correction
DCM	122729	No Attenuation Correction

CID 3113 Types of Perfusion Defects

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.745**

Table CID 3113. Types of Perfusion Defects

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	251055003	Reversible myocardial perfusion defect	F-3014D	C0428859
SCT	251057006	Fixed myocardial perfusion defect	F-3014F	C0428861
SCT	251056002	Partially Reversible myocardial perfusion defect	F-3014E	C0428860
DCM	122748	False Positive defect finding		

CID 3114 Study Quality

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.746**

Table CID 3114. Study Quality

Coding Scheme Designator	Code Value	Code Meaning
DCM	122740	Excellent image quality
DCM	122741	Good image quality
DCM	122742	Poor image quality
DCM	111235	Unusable - Quality renders image unusable

CID 3115 Stress Imaging Quality Issues

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.747**

Table CID 3115. Stress Imaging Quality Issues

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111210	Motion blur		
DCM	122743	Body habitus attenuation		
DCM	122744	Breast attenuation		
DCM	122745	Diaphragmatic attenuation		
SCT	429382003	Subdiaphragmatic uptake	F-04FD3	C1997338

CID 3116 NM Extracardiac Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.748**

Table CID 3116. NM Extracardiac Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	428552000	Normal extracardiac uptake	F-04FA0	C1997656
SCT	428920008	Increased lung uptake	F-04FB8	C1997679
SCT	429576000	Abnormal extracardiac uptake	F-04FE3	C1998057

CID 3117 Attenuation Correction Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.749**

Table CID 3117. Attenuation Correction Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	122720	OSEM algorithm
DCM	122721	Chang method

CID 3118 Level of Risk

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.750**

Table CID 3118. Level of Risk

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	427986001	Normal risk	G-4044	C1998074
SCT	75976002	Low risk	G-4041	C0332165
SCT	429551001	Low to moderate risk	G-4045	C1998307
SCT	25594002	Moderate risk	G-4042	C0332166
SCT	429557002	Moderate to high risk	G-4046	C1998133
SCT	15508007	High risk	G-4043	C0332167
SCT	64957009	Uncertain risk	G-A648	C0087130

CID 3119 LV Function

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.751**

Table CID 3119. LV Function

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	17621005	Normal	G-A460	C0205307
SCT	275514001	Impaired left ventricular function	F-300FA	C0553982

CID 3120 Perfusion Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.752**

Table CID 3120. Perfusion Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	301121007	Myocardial perfusion normal	F-30172	C0577811
SCT	42425007	Equivocal	G-A466	C0332241
SCT	263654008	Abnormal	R-42037	C0205161

CID 3121 Perfusion Morphology

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.753**

Table CID 3121. Perfusion Morphology

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	414795007	Myocardial ischemia	D3-1070D	C0151744
SCT	22298006	Myocardial Infarction	D3-15000	C0027051
SCT	428196007	Mixed Ischemia and Infarction	D3-10711	C1997401

CID 3122 Ventricular Enlargement

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.754**

Table CID 3122. Ventricular Enlargement

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373124004	Normal size cardiac chamber	R-00343	C1298811
SCT	373126002	Mildly enlarged cardiac chamber	R-0032A	C1298813
SCT	373127006	Moderately enlarged cardiac chamber	R-00331	C1298814
SCT	373128001	Markedly enlarged cardiac chamber	R-00316	C1298815

CID 3200 Stress Test Procedure

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.755**

Table CID 3200. Stress Test Procedure

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	165079009	Exercise stress test	P0-006E4	C0015260
SCT	424064009	Pharmacologic stress test	P2-31107	C1827946
SCT	428813002	Pharmacologic and exercise stress test	P2-31011	C1998158
SCT	428685003	Paced stress test	P2-3110B	C1997441

CID 3201 Indications for Stress Test

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.756**

Table CID 3201. Indications for Stress Test

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	29857009	Chest Pain	F-37000	C0008031
SCT	262068006	Pre-operative	R-413C5	C0445204
SCT	53741008	Coronary Artery Disease	D3-13040	C0010054
SCT	84114007	Heart failure	D3-16000	C0018801
SCT	171224000	Heart disease risk factors	F-03C97	C0420044
SCT	267036007	Dyspnea	F-201B3	C0013404
SCT	373108000	Post PTCA	R-00357	C1269832
SCT	399261000	History of CABG	G-03A5	C1275842
SCT	165084003	Abnormal exercise tolerance test	F-00103	C0149612
SCT	102594003	Abnormal ECG	F-38002	C0522055
SCT	44808001	Arrhythmia	D3-30000	C0264886
SCT	194828000	Angina pectoris	D3-13012	C0002962
SCT	38341003	Hypertension	D3-02000	C0020538
SCT	80313002	Palpitations	F-37150	C0030252
SCT	6456007	Supraventricular tachycardia	D3-31290	C0039240
SCT	271594007	Syncope	D3-00006	C0039070
SCT	399211009	History of Myocardial Infarction	G-03AA	C1275835
SCT	63467002	Left bundle branch block	D3-33120	C0023211
SCT	368009	Valvular heart disease	D3-10800	C0018824
SCT	429060002	Occupational requirement	P7-00044	C1997084

CID 3202 Chest Pain

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.757**

Table CID 3202. Chest Pain

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	233819005	Stable Angina	D3-13020	C0340288
SCT	4557003	Unstable Angina	D3-12700	C0002965
SCT	371807002	Atypical Angina	R-0038F	C0741026
SCT	274668005	Noncardiac Chest Pain	F-37015	C0476281
SCT	161971004	Chest pain not present	F-A265A	C0423635
SCT	429559004	Typical Angina	D3-13037	C1998435
DCM	122799	Anginal Equivalent		

CID 3203 Exerciser Device

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20080927**
UID: **1.2.840.10008.6.1.758**

Table CID 3203. Exerciser Device

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	739006	Bicycle ergometer	A-17230	C0180749
SCT	1211003	Treadmill	A-17222	C0184069
SCT	429560009	Arm ergometer	A-1002A	C1996977

CID 3204 Stress Agents

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.759**

Table CID 3204. Stress Agents

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Trade Name (Informative)
SCT	66859009	Dipyridamole	C-81590	C0012582	Persantine
SCT	26523005	Dobutamine	C-68030	C0012963	
SCT	108502004	Adenosine	C-80349	C0001443	
SCT	73949004	Atropine	C-67770	C0004259	
SCT	432062000	Adenosine A2 receptor agonist	C-80012	C1998062	Regadenoson

CID 3205 Indications for Pharmacological Stress Test

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.760**

Table CID 3205. Indications for Pharmacological Stress Test

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	63467002	Left bundle branch block	D3-33120	C0023211
SCT	441509002	Patient has pacemaker	R-00728	C2712998
SCT	29426003	Paralytic syndrome	DA-26000	C0270788
SCT	20262006	Ataxia or incoordination	F-A4580	C0004134
SCT	400047006	Peripheral vascular disease	D3-8005B	C0085096
SCT	19829001	Pulmonary disease	D2-50000	C0024115
SCT	22325002	Gait problem	F-18002	C0575081
SCT	274662006	Transient limb paralysis	F-A0846	C0159034
SCT	13791008	Asthenia (debility)	F-01380	C0004093
SCT	238108007	Cachexia	F-029F7	C0006625
SCT	46866001	Fracture of lower limb	DD-13000	C1542178

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	26947005	Open wound of lower limb	DD-33500	C0178323
SCT	161622006	Lower limb amputation	G-02BD	C0455616
SCT	103321005	Request by Physician	G-0202	C0686901
SCT	105501005	Dependence on enabling machine or device	S-20570	C0524375
SCT	428752002	Recent Myocardial infarction	G-044D	C1998297
SCT	429733000	Cannot reach target heart rate	F-33019	C1997932
DCM	122764	Patient weight exceeds equipment limit		

CID 3206 Non-invasive Cardiac Imaging Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.761**

Table CID 3206. Non-invasive Cardiac Imaging Procedures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	108294005	Nuclear medicine cardiovascular study	P5-D30F8	C0581579
SCT	35621002	Cardiac blood pool imaging (nuclear)	P5-D3304	C0203725
SCT	241439007	PET heart study	P5-0A006	C0412498
SCT	105371005	SPECT	P5-0A100	C0040399
SCT	40701008	Echocardiography	P5-B3000	C0013516
SCT	241620005	Cardiac MRI	P5-09011	C0412692

CID 3207 Stress Test Procedure Phases

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20081031**
UID: **1.2.840.10008.6.1.637**

Table CID 3207. Stress Test Procedure Phases

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128975004	Resting State	F-01604	C0679218
SCT	432655005	Cardiac stress state	F-05019	C2317276
SCT	434161005	Peak cardiac stress state	F-05028	C2316487
SCT	432554001	Cardiac stress recovery state	F-05018	C2316793
SCT	68978004	Hyperventilation	F-25040	C0020578

CID 3208 Summary Codes Exercise ECG

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.763**

Table CID 3208. Summary Codes Exercise ECG

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	165082004	Exercise ECG normal	F-00101	C0231162
SCT	165084003	Exercise ECG abnormal	F-00103	C0149612
SCT	370367002	Exercise ECG equivocal	F-201B6	C1299965
SCT	262008008	Not performed	R-4135B	C0445106

CID 3209 Summary Codes Stress Imaging

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.764**

Table CID 3209. Summary Codes Stress Imaging

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	408573005	Imaging result normal	F-04AB2	C1319347
SCT	408574004	Imaging result abnormal	F-04AB3	C1319348
SCT	408379005	Imaging result equivocal	F-04A13	C1319511
SCT	262008008	Not performed	R-4135B	C0445106

CID 3210 Speed of Response

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.765**

Table CID 3210. Speed of Response

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	17621005	normal	G-A460	C0205307
SCT	428691001	accentuated	R-40AA8	C1997416
SCT	428247006	blunted	R-40AA7	C1997138

CID 3211 BP Response

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.766**

Table CID 3211. BP Response

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	17621005	normal	G-A460	C0205307
SCT	45007003	Hypotensive	D3-04000	C0020649
SCT	38341003	Hypertensive	D3-02000	C0020538
SCT	428247006	blunted	R-40AA7	C1997138

CID 3212 Treadmill Speed

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.767**

Table CID 3212. Treadmill Speed

Coding Scheme Designator	Code Value	Code Meaning
UCUM	km/h	km/h
UCUM	[mi_i]/h	mph

CID 3213 Stress Hemodynamic Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.768**

Table CID 3213. Stress Hemodynamic Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	429561008	Exertional hypotension	D3-0400A	C1998376
SCT	429198000	Exertional hypertension	D3-0200B	C1997276
SCT	427989008	Chronotropic incompetence	F-380B2	C1997984

CID 3215 Perfusion Finding Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.769**

Table CID 3215. Perfusion Finding Method

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	258181008	ECG analysis	R-41D8B	C0442977
SCT	24587005	Image analysis	P3-41910	C0200765

CID 3217 Comparison Finding

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20080927**
UID: **1.2.840.10008.6.1.770**

Table CID 3217. Comparison Finding

Coding Scheme Designator	Code Value	Code Meaning
DCM	122775	Agreement with prior findings
DCM	122776	Disagreement with prior findings

CID 3220 Stress Symptoms

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.771**

Table CID 3220. Stress Symptoms

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	267036007	Dyspnea	F-201B3	C0013404
SCT	16973004	Claudication	F-18010	C1456822
SCT	271594007	Syncope	D3-00006	C0039070
SCT	238810007	Flushing	D0-30017	C0016382
SCT	422587007	Nausea	F-04E95	C0027497
SCT	404640003	Dizziness	F-06017	C0012833
SCT	84229001	Fatigue	F-01360	C0015672
SCT	29857009	Chest pain	F-37000	C0008031
SCT	279084009	Chest discomfort	F-37006	C0235710
Include CID 3202 “Chest Pain”				

CID 3221 Stress Test Termination Reasons

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.772**

Table CID 3221. Stress Test Termination Reasons

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	29857009	Chest pain	F-37000	C0008031
SCT	102594003	Abnormal ECG	F-38002	C0522055
SCT	84229001	Fatigue	F-01360	C0015672
SCT	267036007	Dyspnea	F-201B3	C0013404
SCT	408551003	Patient Refused exercise test	R-214DD	C1319325
SCT	258153002	Target Heart Rate Achieved	F-021E1	C0432605
SCT	67763001	Hypotensive episode	D3-04001	C0520541
SCT	62275004	Hypertensive episode	D3-02004	C0520539
SCT	44808001	Arrhythmia	D3-30000	C0264886

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	16973004	Claudication	F-18010	C1456822
SCT	255253007	End of Protocol	R-4038D	C0444496
SCT	271594007	Syncope	D3-00006	C0039070

CID 3227 QTc Measurements

This Context Group include both global and per lead corrected QT measurements specified in the ISO/IEEE 11073-10102 MDC nomenclature. Note that the MDC code for the per lead measurement is a base code for post-coordination with separately encoded lead identifiers. MDC also defines pre-coordinated codes that include both the measurement and the lead, which may be used in the same context as this Context Group; see the ISO/IEEE Standard.

While this Context Group includes distinct codes for the various QT correction algorithms, Templates using this Context Group may allow post-coordination using the QTc algorithm codes of CID 3678 “QT Correction Algorithms”.

Note

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110330**
UID: **1.2.840.10008.6.1.773**

Table CID 3227. QTc Measurements

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	2:15876	QTc interval global	MDC_ECG_TIME_PD_QTC
MDC	2: 33792	QTc interval per lead	MDC_ECG_TIME_PD_QTC_<lead>
MDC	2:15880	QTc global using Bazett formula	MDC_ECG_TIME_PD_QTC_BAZETT
MDC	2:15880	QTc global using Framingham formula	MDC_ECG_TIME_PD_QTC_FRAMINGHAM
MDC	2:15892	QTc global using Fredericia formula	MDC_ECG_TIME_PD_QTC_FREDERICA
MDC	2:15892	QTc global using Hodges formula	MDC_ECG_TIME_PD_QTC_HODGES
MDC	2:34048	QTc per lead using Bazett formula	MDC_ECG_TIME_PD_QTcB_<lead>
MDC	2:34304	QTc per lead using Fredericia formula	MDC_ECG_TIME_PD_QTcF_<lead>

CID 3228 ECG Timing Measurements

This Context Group include both global and per lead ECG measurements specified in the ISO/IEEE 11073-10102 MDC nomenclature. Note that the MDC codes for "per lead" measurements are base codes for post-coordination with separately encoded lead identifiers. MDC also defines pre-coordinated codes that include both the measurement and the lead, which may be used in the same context as this Context Group; see the ISO/IEEE Standard.

Note

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.774**

Table CID 3228. ECG Timing Measurements

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	2:15872	PR interval global	MDC_ECG_TIME_PD_PR
MDC	2:16160	QT interval global	MDC_ECG_TIME_PD_QT
MDC	2:16156	QRS duration global	MDC_ECG_TIME_PD_QRS
MDC	2:16184	P duration global	MDC_ECG_TIME_PD_P
MDC	2:16140	PP interval global	MDC_ECG_TIME_PD_PP
MDC	2:16168	RR interval global	MDC_ECG_TIME_PD_RR
MDC	2:7168	PR interval per lead	MDC_ECG_TIME_PD_PR_<lead>
MDC	2:8192	QT interval per lead	MDC_ECG_TIME_PD_QT_<lead>
MDC	2:7936	QRS duration per lead	MDC_ECG_TIME_PD_QRS_<lead>
MDC	2:6656	P duration per lead	MDC_ECG_TIME_PD_P_<lead>
MDC	2:32768	PP interval per lead	MDC_ECG_TIME_PD_PP_<lead>
MDC	2:33024	RR interval per lead	MDC_ECG_TIME_PD_RR_<lead>

CID 3229 ECG Axis Measurements

This Context Group comprises the ECG axis measurements of ISO/IEEE 11073-10102. The terms included in the table below may not constitute the complete list; see the ISO/IEEE Standard.

Note

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.775**

Table CID 3229. ECG Axis Measurements

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	2:16132	QRS axis	MDC_ECG_ANGLE_QRS_FRONT
MDC	2:16128	P Axis	MDC_ECG_ANGLE_P_FRONT
MDC	2:16136	T axis	MDC_ECG_ANGLE_T_FRONT

CID 3230 ECG Findings

Note

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.776**

Table CID 3230. ECG Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
SCT	164854000	Normal	F-000B7	C0522054	MDC_ECG_BEAT_NORMAL
SCT	284470004	Atrial premature contraction	D3-30A03	C0033036	MDC_ECG_BEAT_ATR_P_C
SCT	17338001	Ventricular premature contraction	D3-31740	C0151636	MDC_ECG_BEAT_V_P_C
SCT	49436004	Atrial Fibrillation	D3-31520	C0004238	MDC_ECG_RHY_ATR_FIB
SCT	6456007	Supraventricular Tachycardia	D3-31290	C0039240	MDC_ECG_RHY_SV_TACHY
SCT	66657009	Non-sustained ventricular tachycardia	D3-31710	C0030591	MDC_ECG_RHY_V_TACHY_PAROX
SCT	25569003	Ventricular tachycardia	D3-31700	C0042514	MDC_ECG_RHY_V_TACHY
SCT	71908006	Ventricular fibrillation	D3-31720	C0042510	MDC_ECG_RHY_V_FIB
SCT	4554005	Intraventricular conduction disturbance	D3-33000	C0264909	MDC_ECG_BEAT_BLK_IVCD
SCT	63467002	Left bundle branch block	D3-33120	C0023211	MDC_ECG_BEAT_LBB_BLK_COMP
SCT	59118001	Right bundle branch block	D3-33110	C0085615	MDC_ECG_BEAT_RBB_BLK_COMP
SCT	251120003	Incomplete Left bundle branch block	D3-33122	C0281878	MDC_ECG_BEAT_LBB_BLK_INCOMP
SCT	251124007	Incomplete Right bundle branch block	D3-33112	C0262525	MDC_ECG_BEAT_RBB_BLK_INCOMP
SCT	74021003	Bifascicular Block	D3-33200	C0264914	MDC_ECG_BEAT_BLK_BIFASC
SCT	37760005	Left anterior fascicular block	D3-33140	C0264912	MDC_ECG_BEAT_BLK_ANT_L_HEMI
SCT	62026008	Left posterior fascicular block	D3-33150	C0264913	MDC_ECG_BEAT_BLK_POS_L_HEMI
SCT	270492004	First degree Atrioventricular block	D3-30001	C0085614	MDC_ECG_RHY_AV_HEART_BLK_DEG_1
SCT	195042002	Second degree Atrioventricular block	R-F81AE	C0264906	MDC_ECG_RHY_AV_HEART_BLK_DEG_2
SCT	27885002	Third degree Atrioventricular block	D3-32102	C0151517	MDC_ECG_RHY_AV_HEART_BLK_DEG_3
SCT	195060002	Ventricular pre-excitation	D3-31351	C0559106	MDC_ECG_BEAT_PREX
SCT	26141007	ST depression	F-38278	C0520887	
SCT	76388001	ST elevation	F-38277	C0520886	
SCT	428417006	Early repolarization	F-380B3	C1997354	
SCT	428750005	Nonspecific ST-T abnormality	F-38794	C1997940	
SCT	428549008	Secondary ST-T abnormality	F-38793	C1998291	

CID 3231 ST Segment Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.777**

Table CID 3231. ST Segment Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	164929001	ST Interval Normal	F-000C3	C0438164
DCM	122750	Non-diagnostic - low heart rate		
DCM	122751	Non-diagnostic - resting ST abnormalities		
DCM	122752	Non-diagnostic - ventricular pacing or LBBB		
SCT	260408008	Weakly positive	G-A205	C0442730
SCT	10828004	Positive	G-A200	C1446409
DCM	122755	Strongly positive		
DCM	122756	Strongly positive - ST elevation		

CID 3232 ST Segment Location

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20091021**
UID: **1.2.840.10008.6.1.778**

Table CID 3232. ST Segment Location

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	284355001	Left ventricle anterior segment	T-3260A	C0562222
SCT	284357009	Left ventricle inferior segment	T-3260C	C0562224
SCT	284358004	Left ventricle lateral segment	T-3260D	C0562225
SCT	284356000	Left ventricle septal segment	T-3260B	C0562223
SCT	128564006	Left ventricle apical segment	T-32602	C0580781

CID 3233 ST Segment Morphology

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.779**

Table CID 3233. ST Segment Morphology

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122757	ST Depression - Horizontal		
DCM	122758	ST Depression - Upsloping		
DCM	122759	ST Depression - Downsloping		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	76388001	ST Elevation	F-38277	C0520886
SCT	26141007	ST Depression	F-38278	C0520887

CID 3234 Ectopic Beat Morphology

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.780**

Table CID 3234. Ectopic Beat Morphology

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	25569003	Ventricular tachycardia	D3-31700	C0042514
SCT	11157007	Ventricular bigeminy	F-33750	C0262662
SCT	10626002	Multifocal PVCs	D3-31744	C0264903
SCT	27337007	Unifocal PVCs	D3-31742	C0264902
SCT	251159007	Ventricular tachycardia, polymorphic	D3-31704	C0344432

CID 3235 Perfusion Comparison Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.781**

Table CID 3235. Perfusion Comparison Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	260388006	No change	R-4075C	C0442739
SCT	428927006	New ischemia	R-215D9	C1997666
SCT	429232006	Less ischemia	R-215DE	C1998148
SCT	428824000	Resolution of ischemia	R-215D5	C1996952
SCT	429477006	More ischemia	R-215E1	C1997854
SCT	429391004	New infarction	R-215E0	C1997076

CID 3236 Tolerance Comparison Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080827**
UID: **1.2.840.10008.6.1.782**

Table CID 3236. Tolerance Comparison Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	260388006	No change	R-4075C	C0442739

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	102460003	Decreased tolerance	F-00454	C0151955
SCT	102459008	Increased tolerance	F-00453	C0151956

CID 3237 Wall Motion Comparison Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.783**

Table CID 3237. Wall Motion Comparison Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	260388006	No change	R-4075C	C0442739
SCT	429058004	New wall motion abnormality	R-215DC	C1997943
SCT	428825004	Improvement of wall motion	R-215D6	C1997106

CID 3238 Stress Scoring Scales

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.784**

Table CID 3238. Stress Scoring Scales

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	304915008	Duke treadmill score	G-E002	C0582804
DCM	122770	Ratio of achieved to predicted maximal oxygen consumption		
DCM	122771	Ratio of achieved to predicted functional capacity		
DCM	122772	Aerobic index		
DCM	122773	ST/HR Index		

CID 3239 Perceived Exertion Scales

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.785**

Table CID 3239. Perceived Exertion Scales

Coding Scheme Designator	Code Value	Code Meaning
DCM	122734	Borg RPE Scale
DCM	122735	Borg CR10 Scale

CID 3240 Electrophysiology Measurement Functions and Techniques

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.53**

Table CID 3240. Electrophysiology Measurement Functions and Techniques

Coding Scheme Designator	Code Value	Code Meaning
DCM	109006	Differential signal
DCM	109007	His bundle electrogram
DCM	109008	Monopole signal
DCM	109009	Pacing (electrical) stimulus, voltage
DCM	109010	Radio frequency ablation, power
DCM	109011	Voltage measurement by basket catheter
DCM	109012	Voltage measurement by mapping catheter
DCM	109013	Voltage measurement

CID 3241 Hemodynamic Measurement Techniques

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.54**

Table CID 3241. Hemodynamic Measurement Techniques

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128580001	Averaged hemodynamic measurement method	PA-50038	C1266842
SCT	128577002	Composite hemodynamic measurement method	PA-50035	C1266839
SCT	128576006	Computed hemodynamic measurement method	PA-50034	C1266838
SCT	133910006	Conductance catheter method	PA-5003B	C1297901
SCT	133911005	Doppler catheter method	PA-5003C	C1297902
SCT	128573003	Dual catheter method	PA-50031	C1266836
SCT	128581002	Fluid filled catheter method	PA-50039	C1266843
SCT	133912003	Fiberoptic catheter method	PA-5003D	C1297903
SCT	133913008	Hall catheter method	PA-5003E	C1297904
SCT	128575005	Pullback method	PA-50033	C1276411
SCT	128448001	Pulmonary capillary wedge method	G-DB26	C1264741
SCT	128578007	Static catheter method	PA-50036	C1266840
SCT	133914002	Thermistor catheter method	PA-5003F	C1297905
SCT	128582009	Tip manometer method	PA-5003A	C1266844
SCT	128579004	Wedge method	PA-50037	C1266841

CID 3250 Catheterization Procedure Phase

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.55**

Table CID 3250. Catheterization Procedure Phase

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128961006	Cardiac catheterization bailout phase	G-7299	C1292438
SCT	128955008	Cardiac catheterization baseline phase	G-7293	C1292432
SCT	128956009	Cardiac catheterization image acquisition phase	G-7294	C1292433
SCT	128957000	Cardiac catheterization intervention phase	G-7295	C1292434
SCT	129083002	Cardiac catheterization post contrast phase	G-729B	C1292440
SCT	128960007	Cardiac catheterization post-intervention phase	G-7298	C1292437
SCT	128958005	Cardiac catheterization pre-intervention phase	G-7296	C1292435
SCT	373105002	Cardiac catheterization test/challenge phase	R-002E4	C1300063
SCT	128959002	Cardiac catheterization therapy phase	G-7297	C1292436
SCT	128952006	Catheterization of both left and right heart with graft	P1-3160A	C1293383
SCT	128953001	Catheterization of both left and right heart without graft	P1-3160B	C1293384
SCT	67629009	Catheterization of left heart	P1-31604	C0189897
SCT	40403005	Catheterization of right heart	P1-31602	C0189896
SCT	67338003	Transseptal catheterization	P1-31612	C0189901
SCT	133882006	Drug Infusion Challenge	P2-71317	C1297891
SCT	128967005	Exercise challenge	P2-71310	C1293901
SCT	128975004	Resting State	F-01604	C0679218

CID 3254 Electrophysiology Procedure Phase

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.56**

Table CID 3254. Electrophysiology Procedure Phase

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129087001	Atrial Effective Refractory Period, evaluation of	G-729D	C0428938
SCT	129090007	Carotid Sinus Massage procedure phase	G-7304	C1292445

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129092004	Electrophysiology Mapping phase	G-7406	C1292447
SCT	129082007	Electrophysiology procedure baseline phase	G-729A	C1292439
SCT	129093009	Post-ablation phase	G-7408	C1292448
SCT	129091006	Post-defibrillation procedure phase	G-7305	C1292446
SCT	129089003	Radiofrequency Ablation procedure phase	G-729F	C1292442
SCT	129086005	Sinus Node Recovery Time, evaluation of	G-729C	C1292441
SCT	129088006	Ventricular Effective Refractory Period, evaluation of	G-729E	C0428940

CID 3261 Stress Protocols

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20081027**
UID: **1.2.840.10008.6.1.57**

Table CID 3261. Stress Protocols

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129097005	Balke protocol	P2-7131C	C0442712
SCT	129095002	Bruce protocol	P2-7131A	C0442713
SCT	129098000	Ellestad protocol	P2-7131D	C1276407
SCT	129096001	Modified Bruce protocol	P2-7131B	C0442714
SCT	129102008	Modified Naughton protocol	P2-713A1	C1293907
SCT	129101001	Naughton protocol	P2-713A0	C0442715
SCT	129100000	Pepper protocol	P2-7131F	C1276409
SCT	129099008	Ramp protocol	P2-7131E	C1276408
SCT	46136006	Exercise stress ECG test	P2-31010	C1304755
SCT	26046004	Stress test using Bicycle Ergometer	P2-31102	C0430459
SCT	424064009	Pharmacologic Stress protocol	P2-31107	C1827946
SCT	422685009	Dipyridamole Stress protocol	P2-3110A	C1827789
SCT	424444005	Adenosine Stress protocol	P2-31109	C1827363
SCT	424225000	Dobutamine Stress protocol	P2-31108	C1828348
SCT	428813002	Pharmacologic and exercise stress test	P2-31011	C1998158
SCT	428685003	Stress test using cardiac pacing	P2-3110B	C1997441

CID 3262 ECG Patient State Values

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.58**

Table CID 3262. ECG Patient State Values

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128974000	Baseline state	F-01602	C1290922
SCT	128976003	Exercise state	F-01606	C1290923
SCT	128977007	Post-exercise state	F-01608	C1290924
SCT	128975004	Resting state	F-01604	C0679218
SCT	40199007	Supine body position	F-10340	C0038846

CID 3263 Electrode Placement Values

This Context Group comprises the ECG lead placement system identifiers of ISO/IEEE 11073-10102. The terms included in the table below may not constitute the complete list; see the ISO/IEEE Standard.

Note

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.59**

Table CID 3263. Electrode Placement Values

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	10:11264	Unspecified 12-lead system	MDC_ECG_LDSYS_12LD_UNSPECIFIED
MDC	10:11265	Standard 12-lead positions, electrodes placed individually	MDC_ECG_LDSYS_12LD_STD
MDC	10:11266	Mason-Likar lead positions, electrodes placed individually	MDC_ECG_LDSYS_12LD_MASON_LIKAR
MDC	10:11267	Mason-Likar lead positions, V1-V6 in electrode pad	MDC_ECG_LDSYS_12LD_VPAD
MDC	10:11268	12-lead electrode pad	MDC_ECG_LDSYS_12LD_PAD
MDC	10:11269	12-lead derived from Frank XYZ leads	MDC_ECG_LDSYS_12LD_FROM_FRANK
MDC	10:11270	12-lead derived from non-standard leads	MDC_ECG_LDSYS_12LD_NON_STANDARD
MDC	10:11271	12-lead for bicycle exercise testing, limb leads on back of patient	MDC_ECG_LDSYS_12LD_BICYCLE
MDC	10:11272	Standard 12-lead positions one intercostal space higher	MDC_ECG_LDSYS_12LD_RAISED_INTERCOSTAL
MDC	10:11273	Unspecified XYZ lead system	MDC_ECG_LDSYS_XYZ_UNSPECIFIED
MDC	10:11274	Frank XYZ lead system	MDC_ECG_LDSYS_XYZ_FRANK
MDC	10:11275	McFee-Parungao XYZ lead system	MDC_ECG_LDSYS_XYZ_MCFEE_PARUNAGO
MDC	10:11276	Cube XYZ lead system	MDC_ECG_LDSYS_XYZ_CUBE
MDC	10:11277	Bipolar uncorrected XYZ lead system	MDC_ECG_LDSYS_XYZ_BIPOLAR
MDC	10:11278	Pseudo-orthogonal XYZ lead system	MDC_ECG_LDSYS_XYZ_PSEUDO_ORTH

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	10:11279	XYZ leads derived from standard 12-lead	MDC_ECG_LDSYS_XYZ_FROM_12LD
MDC	10:11280	NEHB lead system	MDC_ECG_LDSYS_3LD_NEHB
MDC	10:11281	3-lead system, CC5-CM5-ML	MDC_ECG_LDSYS_3LD_CC5_CM5_ML
MDC	10:11282	3-lead system, CC5-CM5-CH5	MDC_ECG_LDSYS_3LD_CM5_CC5_CH5
MDC	10:11283	12-lead from Frank leads XYZ leads by Dower transformation	MDC_ECG_LDSYS_12LD_FROM_DOWER
MDC	10:11284	12-lead from EASI leads (ES, AS, AI) by Dower/EASI transformation	MDC_ECG_LDSYS_12LD_FROM_EASI
MDC	10:11285	12-lead from Limb Leads (I, II) and one or more V leads	MDC_ECG_LDSYS_12LD_FROM_LIMB
MDC	10:11286	Standard 12-lead and XYZ	MDC_ECG_LDSYS_12LD_STD_AND_XYZ
MDC	10:11287	Standard 12-lead and NEHB	MDC_ECG_LDSYS_12LD_STD_AND_NEHB
MDC	10:11288	Standard 12-lead and CC5-CM5-ML	MDC_ECG_LDSYS_12LD_STD_AND_CC5_CM5_ML
MDC	10:11289	Standard 12-lead and CM5-CC5-CH5	MDC_ECG_LDSYS_12LD_STD_AND_CM5_CC5_CH5
MDC	10:11290	Standard 12-lead with extra leads to the right and/or left sides	MDC_ECG_LDSYS_12LD_STD_EXTD
MDC	10:11291	Standard 12-lead extended to the right by V5R, V4R, V3R	MDC_ECG_LDSYS_12LD_STD_EXTD_RIGHT
MDC	10:11292	Standard 12-lead extended to the left by V7, V8, V9	MDC_ECG_LDSYS_12LD_STD_EXTD_LEFT

Note

A prior version of this context group used codes from the SCP-ECG vocabulary.

CID 3264 XYZ Electrode Placement Values (Retired)

This Context Group is retired. See PS3.16-2009.

CID 3271 Hemodynamic Physiological Challenges

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100625**
UID: **1.2.840.10008.6.1.61**

Table CID 3271. Hemodynamic Physiological Challenges

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133882006	Drug infusion	P2-71317	C1297891
SCT	128967005	Exercise challenge	P2-71310	C1293901
SCT	128965002	Handgrip	P2-71306	C1293900
SCT	128963009	Head up	P2-71302	C1293898
SCT	128969008	Held inspiration	P2-71314	C1293904
SCT	128970009	Held ventilation	P2-71316	C1293905
SCT	128964003	Leg up	P2-71304	C1293899

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128966001	Negative lower body pressure	P2-71308	C0024047
SCT	18590009	Pacing	P2-35000	C0199640
SCT	128971008	Post volume challenge	P2-71318	C1293906
SCT	128968000	Vagal stimulation	P2-71312	C1293903
SCT	261039008	Valsalva maneuver	R-40928	C0042293

CID 3335 ECG Annotations

This Context Group comprises the nomenclature of ISO/IEEE 11073-10102, limited to the hierarchies under Reference IDs MDC_ECG_WAVEC, MDC_ECG_WAVEP, MDC_ECG_BEAT, and MDC_ECG_NOISE.

The base terms from those hierarchies are included in the table below for reference. Note that these base terms are pre-coordinated with a variety of concept discriminators, and the code values for those pre-coordinated terms are arithmetically derived from the code values of the base terms. For the complete current list of terms and discriminator values, see the ISO/IEEE Standard. All pre-coordinated terms (annotation plus discriminators) within the identified hierarchies are part of this Context Group.

Note

1. This Context Group is used in the Concept Name Code Sequence of the Waveform Annotation Sequence (0040,B020). See PS3.3.
2. A prior version of this context group used codes from the SCP-ECG coding system.
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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130613**
UID: **1.2.840.10008.6.1.62**

Table CID 3335. ECG Annotations

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	10:256	P wave	MDC_ECG_WAVC_PWAVE
MDC	10:320	P' wave (second deflection in P wave)	MDC_ECG_WAVC_PPWAVE
MDC	10:384	P'' wave (third deflection in P wave)	MDC_ECG_WAVC_PPPWAVE
MDC	10:448	Q wave	MDC_ECG_WAVC_QWAVE
MDC	10:512	QS wave	MDC_ECG_WAVC_QSWAVE
MDC	10:576	R wave	MDC_ECG_WAVC_RWAVE
MDC	10:640	R' wave (second deflection in R Wave)	MDC_ECG_WAVC_RRWAVE
MDC	10:704	R'' wave (third deflection in R Wave)	MDC_ECG_WAVC_RRRWAVE
MDC	10:768	Notch	MDC_ECG_WAVC_NOTCH
MDC	10:832	S wave	MDC_ECG_WAVC_SWAVE
MDC	10:896	S' wave (second deflection in S Wave)	MDC_ECG_WAVC_SSWAVE
MDC	10:960	S'' wave (third deflection in S Wave)	MDC_ECG_WAVC_SSSWAVE
MDC	10:1024	T wave	MDC_ECG_WAVC_TWAVE
MDC	10:1088	T' wave (second deflection in T Wave)	MDC_ECG_WAVC_TTWAVE
MDC	10:1152	U wave	MDC_ECG_WAVC_UWAVE

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	10:1216	Delta wave	MDC_ECG_WAVC_DELTA
MDC	10:1280	Isoelectric region from global QRS onset to specific lead onset	MDC_ECG_WAVC_IWAVE
MDC	10:1344	Isoelectric region from specific lead QRS Offset to global offset	MDC_ECG_WAVC_KWAVE
MDC	10:1408	Osborne wave	MDC_ECG_WAVC_JWAVE
MDC	10:1472	Entire Beat (Pon to Toff, excluding U)	MDC_ECG_WAVC_PQRSTWAVE
MDC	10:1536	Entire Beat (Qon to Toff, excluding P and U)	MDC_ECG_WAVC_QRSTWAVE
MDC	10:1600	Entire QRS (excluding P, T and U)	MDC_ECG_WAVC_QRSWAVE
MDC	10:1664	TU fused wave	MDC_ECG_WAVC_TUWAVE
MDC	10:1728	Ventricular flutter wave	MDC_ECG_WAVC_VFLWAVE
MDC	10:1792	Atrial flutter wave	MDC_ECG_WAVC_AFLWAVE
MDC	10:1856	Isoelectric point or segment	MDC_ECG_WAVC_ISO
MDC	10:1920	PR Segment	MDC_ECG_WAVC_PRSEG
MDC	10:1984	ST Segment	MDC_ECG_WAVC_STSEG
MDC	10:2048	J-point	MDC_ECG_WAVC_STJ
MDC	10:2112	ST measurement point	MDC_ECG_WAVC_STM
MDC	10:2176	Isolated QRS-like artifact	MDC_ECG_WAVC_ARFCT
MDC	10:2240	Calibration pulse (individual pulse)	MDC_ECG_WAVC_CALP
MDC	10:2304	ST change	MDC_ECG_WAVC_STCH
MDC	10:2368	T-wave change	MDC_ECG_WAVC_TCH
MDC	10:2432	Ventricular Activation Time	MDC_ECG_WAVC_VAT
MDC	10:4096	Antibradycardia pace spike	MDC_ECG_WAVP_PACE
MDC	10:4352	atrium Antibradycardia pace spike	MDC_ECG_WAVP_PACE_ATR
MDC	10:4608	right atrium Antibradycardia pace spike	MDC_ECG_WAVP_PACE_ATR_R
MDC	10:4864	left atrium Antibradycardia pace spike	MDC_ECG_WAVP_PACE_ATR_L
MDC	10:5120	ventricular Antibradycardia pace spike	MDC_ECG_WAVP_PACE_V
MDC	10:5376	right ventricle Antibradycardia pace spike	MDC_ECG_WAVP_PACE_V_R
MDC	10:5632	left ventricle Antibradycardia pace spike	MDC_ECG_WAVP_PACE_V_L
MDC	10:5888	transthoracic Antibradycardia pace spike	MDC_ECG_WAVP_PACE_EXT
MDC	10:6144	Antitachycardia pace spike	MDC_ECG_WAVP_ATPACE
MDC	10:6400	atrium Antitachycardia pace spike	MDC_ECG_WAVP_ATPACE_ATR
MDC	10:6656	ventricle Antitachycardia pace spike	MDC_ECG_WAVP_ATPACE_V
MDC	10:6912	transthoracic Antitachycardia pace spike	MDC_ECG_WAVP_ATPACE_EXT
MDC	10:7168	Cardioversion spike	MDC_ECG_WAVP_CDVS
MDC	10:7424	atrium Cardioversion spike	MDC_ECG_WAVP_CDVS_ATR
MDC	10:7680	ventricle Cardioversion spike	MDC_ECG_WAVP_CDVS_V
MDC	10:7936	transthoracic Cardioversion spike	MDC_ECG_WAVP_CDVS_EXT
MDC	10:8192	Defibrillation spike	MDC_ECG_WAVP_DEFIB
MDC	10:8448	atrium Defibrillation spike	MDC_ECG_WAVP_DEFIB_ATR
MDC	10:8704	ventricle Defibrillation spike	MDC_ECG_WAVP_DEFIB_V

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	10:8960	transthoracic Defibrillation spike	MDC_ECG_WAVP_DEFIB_EXT
MDC	10:8192	Heart beat	MDC_ECG_BEAT
MDC	10:8208	Normal beat (sinus beat, normal conduction)	MDC_ECG_BEAT_NORMAL
MDC	10:8224	Abnormal beat	MDC_ECG_BEAT_ABNORMAL
MDC	10:8240	Dominant beat	MDC_ECG_BEAT_DOMINANT
MDC	10:8256	Supraventricular premature contraction	MDC_ECG_BEAT_SV_P_C
MDC	10:8272	Atrial premature contraction (beat)	MDC_ECG_BEAT_ATR_P_C
MDC	10:8288	Junctional (nodal) premature contraction	MDC_ECG_BEAT_JUNC_P_C
MDC	10:8304	Aberrated atrial premature beat (Ashman beat)	MDC_ECG_BEAT_ATR_P_C_ABERR
MDC	10:8320	Non-conducted p-wave (blocked)	MDC_ECG_BEAT_ATR_PWAVE_BLK
MDC	10:8336	Ventricular premature contraction beat	MDC_ECG_BEAT_V_P_C
MDC	10:8352	Fusion of ventricular and normal beat	MDC_ECG_BEAT_V_P_C_FUSION
MDC	10:8368	R-on-T premature ventricular beat	MDC_ECG_BEAT_V_P_C_RonT
MDC	10:8384	Supraventricular escape beat	MDC_ECG_BEAT_SV_ESC
MDC	10:8400	Atrial escape beat	MDC_ECG_BEAT_ATR_ESC
MDC	10:8416	Junctional (nodal) escape beat	MDC_ECG_BEAT_JUNC_ESC
MDC	10:8432	Ventricular escape beat	MDC_ECG_BEAT_V_ESC
MDC	10:8448	Bundle branch block beat	MDC_ECG_BEAT_BB_BLK
MDC	10:8464	Left bundle branch block beat	MDC_ECG_BEAT_LBB_BLK_COMP
MDC	10:8480	Incomplete left bundle branch block beat	MDC_ECG_BEAT_LBB_BLK_INCOMP
MDC	10:8496	Right bundle branch block beat	MDC_ECG_BEAT_RBB_BLK_COMP
MDC	10:8512	Incomplete right bundle branch block beat	MDC_ECG_BEAT_RBB_BLK_INCOMP
MDC	10:8528	Left anterior fascicular block beat	MDC_ECG_BEAT_BLK_ANT_L_HEMI
MDC	10:8544	Left posterior fascicular block beat	MDC_ECG_BEAT_BLK_POS_L_HEMI
MDC	10:8560	bifascicular block beat	MDC_ECG_BEAT_BLK_BIFASC
MDC	10:8576	trifascicular block beat	MDC_ECG_BEAT_BLK_TRIFASC
MDC	10:8592	bilateral bundle-branch block beat	MDC_ECG_BEAT_BLK_BILAT
MDC	10:8608	intraventricular conduction disturbance	MDC_ECG_BEAT_BLK_IVCD
MDC	10:8624	pre-excitation	MDC_ECG_BEAT_PREX
MDC	10:8640	Wolf-Parkinson-White syndrome	MDC_ECG_BEAT_WPW_UNK
MDC	10:8656	Wolf-Parkinson type A	MDC_ECG_BEAT_WPW_A
MDC	10:8672	Wolf-Parkinson type B	MDC_ECG_BEAT_WPW_B
MDC	10:8688	Lown-Ganong-Levine syndrome	MDC_ECG_BEAT_LGL
MDC	10:8704	Paced beat	MDC_ECG_BEAT_PACED
MDC	10:8720	Pacemaker Fusion beat	MDC_ECG_BEAT_PACED_FUS
MDC	10:8736	Unclassifiable beat	MDC_ECG_BEAT_UNKNOWN
MDC	10:8752	Pacemaker Learning beat	MDC_ECG_BEAT_LEARN
MDC	10:11200	No Noise	MDC_ECG_NOISE_CLEAN
MDC	10:11216	Moderate Noise, beats can be detected but cannot be classified	MDC_ECG_NOISE_MODERATE

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	10:11232	Severe Noise, beats cannot be detected or classified	MDC_ECG_NOISE_SEVERE
MDC	10:11248	No ECG signal is available	MDC_ECG_NOISE_NOSIGNAL

Note

In a prior version of this table, the code 10:608 was specified for the concept R wave.

CID 3337 Hemodynamic Annotations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.63**

Table CID 3337. Hemodynamic Annotations

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	109014	35% of thermal/dye dilution CO		
DCM	109015	70% of thermal/dye dilution CO		
DCM	109016	A wave peak pressure		
DCM	109017	A wave pressure, average		
DCM	109018	Beat detected (accepted)		
DCM	109019	Beat detected (rejected)		
SCT	314453003	Average diastolic blood pressure	F-00E22	C1282163
SCT	314451001	Minimum diastolic blood pressure	F-00E1F	C1282161
SCT	416190007	End diastole	R-FAB5C	C1562146
DCM	109023	End of expiration		
DCM	109024	End of inspiration		
DCM	109070	End of systole		
DCM	109071	Indicator mean transit time		
DCM	109025	Max dp/dt		
DCM	109026	Max neg dp/dt		
SCT	6797001	Mean blood pressure	F-31150	C0428886
DCM	109028	Peak of thermal cardiac output bolus		
DCM	109029	Start of expiration		
DCM	109030	Start of inspiration		
DCM	109031	Start of thermal CO		
SCT	314440001	Average systolic blood pressure	F-00E14	C1282151
SCT	314439003	Maximum systolic blood pressure	F-00E11	C1282150
DCM	109072	Tau		
DCM	109073	V max myocardial		
DCM	109034	V wave peak pressure		
DCM	109035	V wave pressure, average		
DCM	109036	Valve close		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	109037	Valve open		

CID 3339 Electrophysiology Annotations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.64**

Table CID 3339. Electrophysiology Annotations

Coding Scheme Designator	Code Value	Code Meaning
DCM	109038	Ablation off
DCM	109039	Ablation on
DCM	109040	HIS bundle wave
DCM	109041	P wave
DCM	109042	Q wave
DCM	109043	R wave
DCM	109044	S wave
DCM	109045	Start of atrial contraction
DCM	109046	Start of atrial contraction (subsequent)
DCM	109047	Stimulation at rate 1 interval
DCM	109048	Stimulation at rate 2 interval
DCM	109049	Stimulation at rate 3 interval
DCM	109050	Stimulation at rate 4 interval
DCM	109051	T wave
DCM	109052	V wave
DCM	109053	V wave of next beat

CID 3400 Procedure Log Titles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.65**

Table CID 3400. Procedure Log Titles

Coding Scheme Designator	Code Value	Code Meaning
DCM	121120	Cath Lab Procedure Log

CID 3401 Types of Log Notes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.66**

Table CID 3401. Types of Log Notes

Coding Scheme Designator	Code Value	Code Meaning
DCM	121171	Tech Note
DCM	121172	Nursing Note
DCM	121173	Physician Note
DCM	121174	Procedure Note
DCM	121123	Patient Status or Event

CID 3402 Patient Status and Events

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090615**
UID: **1.2.840.10008.6.1.67**

Table CID 3402. Patient Status and Events

Coding Scheme Designator	Code Value	Code Meaning
DCM	122001	Patient called to procedure room
DCM	122002	Patient admitted to procedure room
DCM	122003	Patient given pre-procedure instruction
DCM	122004	Patient informed consent given
DCM	122005	Patient advance directive given
DCM	122006	Nil Per Os (NPO) status confirmed
DCM	122007	Patient assisted to table
DCM	122008	Patient prepped and draped
DCM	122009	Patient connected to continuous monitoring
DCM	122010	Patient transferred to holding area
DCM	122011	Patient transferred to surgery
DCM	122012	Patient transferred to CCU
DCM	122020	Patient disoriented
DCM	122021	Patient reports nausea
DCM	122022	Patient reports discomfort
DCM	122023	Patient reports chest pain
DCM	122024	Patient reports no pain
DCM	122025	Patient alert
DCM	122026	Patient restless
DCM	122027	Patient sedated
DCM	122028	Patient asleep
DCM	122029	Patient unresponsive
DCM	122030	Patient has respiratory difficulty
DCM	122031	Patient coughed
DCM	122032	Patient disconnected from continuous monitoring
DCM	122033	Hemostasis achieved
DCM	122034	Hemostasis not achieved - oozing

Coding Scheme Designator	Code Value	Code Meaning
DCM	122035	Hemostasis not achieved - actively bleeding
DCM	122036	Patient given post-procedure instruction
DCM	122038	Patient pronounced dead
DCM	122039	Patient transferred to morgue
DCM	122037	Patient discharged from department

CID 3403 Percutaneous Entry

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.68**

Table CID 3403. Percutaneous Entry

Coding Scheme Designator	Code Value	Code Meaning
Include CID 3746 “Percutaneous Entry Site”		
Include CID 3747 “Percutaneous Closure”		

CID 3404 Staff Actions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.69**

Table CID 3404. Staff Actions

Coding Scheme Designator	Code Value	Code Meaning
DCM	122041	Personnel Arrived
DCM	122042	Personnel Departed
DCM	122043	Page Sent To
DCM	122044	Consultation With
DCM	122045	Office called

CID 3405 Procedure Action Values

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.70**

Table CID 3405. Procedure Action Values

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	6832004	Atherectomy	P1-30350	C0162513
SCT	65659003	Atherectomy by rotary cutter	P1-30351	C0162655
SCT	76611008	Atherectomy by laser	P1-30352	C0521229
SCT	57238002	Selective embolization of artery	P1-30530	C0189632

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	68457009	Percutaneous transluminal balloon angioplasty	P5-31500	C0411287
SCT	16736007	Transcatheter therapy for embolization	P5-39010	C0203006
SCT	37630009	Percutaneous retrieval of intravascular foreign body	P5-39050	C0203013
SCT	103716009	Stent placement	P1-05550	C0522776
SCT	105372003	Transcatheter deployment of detachable balloon	P5-39015	C0524313
SCT	105373008	Percutaneous insertion of intravascular filter	P5-39191	C0524314
Include CID 3250 “Catheterization Procedure Phase”				
Include CID 3406 “Non-coronary Transcatheter Interventions”				
Include CID 3428 “Imaging Procedures”				

CID 3406 Non-coronary Transcatheter Interventions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.71**

Table CID 3406. Non-coronary Transcatheter Interventions

Coding Scheme Designator	Code Value	Code Meaning
DCM	122053	Valvular Intervention
DCM	122054	Aortic Intervention
DCM	122055	Septal Defect Intervention
DCM	122056	Vascular Intervention
DCM	122057	Myocardial biopsy

CID 3407 Purpose of Reference to Object

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.72**

Table CID 3407. Purpose of Reference to Object

Coding Scheme Designator	Code Value	Code Meaning
DCM	122072	Pre-procedure log
DCM	122073	Analysis or measurements for current procedure
DCM	122075	Prior report for current patient

CID 3408 Actions With Consumables

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.73**

Table CID 3408. Actions With Consumables

Coding Scheme Designator	Code Value	Code Meaning
DCM	122076	Consumable taken from inventory
DCM	122077	Consumable returned to inventory
DCM	122078	Remaining consumable disposed
DCM	122079	Consumable unusable

CID 3409 Administration of Drugs/Contrast

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.74**

Table CID 3409. Administration of Drugs/Contrast

Coding Scheme Designator	Code Value	Code Meaning
DCM	122081	Drug start
DCM	122082	Drug end
DCM	122083	Drug administered
DCM	122084	Contrast start
DCM	122085	Contrast end
DCM	122086	Contrast administered
DCM	122087	Infusate start
DCM	122088	Infusate end

CID 3410 Numeric Parameters of Drugs/Contrast

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070124**
UID: **1.2.840.10008.6.1.75**

Table CID 3410. Numeric Parameters of Drugs/Contrast

Coding Scheme Designator	Code Value	Code Meaning
DCM	122091	Volume administered
DCM	122092	Undiluted dose administered
DCM	122093	Concentration
DCM	122094	Rate of administration
DCM	122095	Duration of administration
DCM	122096	Volume unadministered or discarded
DCM	121382	Quantity administered
DCM	121383	Mass administered

CID 3411 Intracoronary Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110609**
UID: **1.2.840.10008.6.1.76**

Table CID 3411. Intracoronary Devices

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR Equivalent	Trade Name (Informative)
SCT	102319006	Percutaneous Transluminal Angioplasty Balloon	A-26912	C0522648	113-1	
SCT	371794009	Cutting Balloon Angioplasty (CBA) Device	R-002F0	C1269809	113-2	
SCT	65818007	Stent	A-25500	C0038257	113-3	
SCT	371796006	Directional Coronary Atherectomy (DCA) Device	R-002FD	C1269811	113-4	
SCT	102313007	Rotational Atherectomy Device	A-25610	C0522643	113-5	Rotablator™
SCT	371797002	Saline Thrombectomy	R-0036F	C1299427	113-6	AngioJet™
SCT	21870002	Transluminal Extraction Catheter (TEC)	A-26920	C0521199	113-7	
SCT	38586004	Laser	A-81080	C0458142	113-8	
SCT	371795005	Intravascular Ultrasound (IVUS) Device	R-00312	C1269810	113-9	
SCT	371788001	Intracoronary Doppler guide wire	R-00310	C1269808	113-10	Flowire™
SCT	371789009	Intracoronary pressure guide wire	R-00311	C1299422	113-11	
SCT	228748004	Brachytherapy Device	A-040ED	C0454156		
SCT	371791001	Radiofrequency Ablation Device	R-00361	C1299424		
SCT	445282004	Intravascular Optical Coherence Tomography Device	A-00D87	C2919367		
SCT	272224001	Guide Wire	A-00927	C0181089		
SCT	102317008	Guiding Catheter	A-26802	C0221799		

CID 3412 Intervention Actions and Status

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.77**

Table CID 3412. Intervention Actions and Status

Coding Scheme Designator	Code Value	Code Meaning
DCM	122301	Guidewire crossing lesion unsuccessful
DCM	122302	Guidewire crossing lesion successful
DCM	122303	Angioplasty balloon inflated
DCM	122304	Angioplasty balloon deflated
DCM	122305	Device deployed
DCM	122306	Stent re-expanded
DCM	122307	Object removed

Coding Scheme Designator	Code Value	Code Meaning
DCM	122308	Radiation applied
DCM	122309	Radiation removed
DCM	122310	Interventional device placement unsuccessful
DCM	122311	Interventional device placed
DCM	122312	Intervention performed
DCM	122313	Interventional device withdrawn

CID 3413 Adverse Outcomes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.78**

Table CID 3413. Adverse Outcomes

Coding Scheme Designator	Code Value	Code Meaning
DCM	122167	Death During Catheterization
Include CID 3754 “Vascular Complications”		
Include CID 3755 “Cath Complications”		

CID 3414 Procedure Urgency

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.79**

Table CID 3414. Procedure Urgency

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR Equivalents
SCT	103390000	Elective Procedure	G-D210	C0439608	21-1, 78-1, 92-1
SCT	103391001	Urgent Procedure	G-D216	C0439609	21-2, 78-2, 92-2
SCT	25876001	Emergent Procedure	G-D209	C0175673	21-3, 78-3, 92-3
SCT	257950002	Salvage Procedure	R-41C8D	C0442967	21-4, 78-4, 92-4

CID 3415 Cardiac Rhythms

This Context Group comprises the ECG rhythm annotations of ISO/IEEE 11073-10102. The terms included in the table below may not constitute the complete list; see the ISO/IEEE Standard.

Note

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.80**

Table CID 3415. Cardiac Rhythms

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	10:9216	Sinus Rhythm	MDC_ECG_RHY_SINUS_RHY
MDC	10:9232	Normal Sinus Rhythm	MDC_ECG_RHY_SINUS_NORMAL_RHY
MDC	10:9248	Sinus Bradycardia	MDC_ECG_RHY_SINUS_BRADY
MDC	10:9264	Sinus Tachycardia	MDC_ECG_RHY_SINUS_TACHY
MDC	10:9280	Sinus Arrhythmia	MDC_ECG_RHY_SINUS_ARRHY
MDC	10:9296	Respiratory Sinus Arrhythmia	MDC_ECG_RHY_RESP_ARRHY
MDC	10:9312	Non-Respiratory Sinus Arrhythmia	MDC_ECG_RHY_NON_RESP_ARRHY
MDC	10:9328	Wandering Sinus Pacemaker within the sinus node	MDC_ECG_RHY_WANDP_ARRHY
MDC	10:9344	Wandering Pacemaker between the sinus node and the A-V node	MDC_ECG_RHY_WANDPAV_ARRHY
MDC	10:9360	Atrial Ectopic Rhythm	MDC_ECG_RHY_ATR_ECT_RHY
MDC	10:9376	Atrial Bigeminy	MDC_ECG_RHY_ATR_BIGEM
MDC	10:9392	Atrial Tachycardia	MDC_ECG_RHY_ATR_TACHY
MDC	10:9408	Paroxsysmal Atrial Tachycardia	MDC_ECG_RHY_ATR_TACHY_PAROX
MDC	10:9424	Multifocal Atrial Tachycardia	MDC_ECG_RHY_ATR_TACHY_MF
MDC	10:9440	Automatic Atrial Tachycardia	MDC_ECG_RHY_ATR_TACHY_AUTO
MDC	10:9456	Atrial flutter	MDC_ECG_RHY_ATR_FLUT
MDC	10:9472	Atrial fibrillation	MDC_ECG_RHY_ATR_FIB
MDC	10:9488	Supraventricular (atrial or junctional) Ectopic Rhythm	MDC_ECG_RHY_SV_ECT_RHY
MDC	10:9504	Supraventricular Tachycardia (atrial or junctional)	MDC_ECG_RHY_SV_TACHY
MDC	10:9520	Supraventricular Paroxsysmal Tachycardia	MDC_ECG_RHY_SV_TACHY_PAROX
MDC	10:9536	AV junctional (nodal) rhythm	MDC_ECG_RHY_JUNC_RHY
MDC	10:9552	AV junctional (nodal) escape rhythm	MDC_ECG_RHY_JUNC_ESC_BEATS
MDC	10:9568	Accelerated AV junctional (nodal) rhythm	MDC_ECG_RHY_JUNC_ACCEL
MDC	10:9584	Junctional Tachycardia	MDC_ECG_RHY_JUNC_TACHY
MDC	10:9600	AV reciprocating tachycardia	MDC_ECG_RHY_AV_TACHY_RECIP
MDC	10:9616	Reentrant AV nodal tachycardia	MDC_ECG_RHY_AV_TACHY_REENTRANT
MDC	10:9632	First Degree AV Block	MDC_ECG_RHY_AV_HEART_BLK_DEG_1
MDC	10:9648	Second Degree AV Block	MDC_ECG_RHY_AV_HEART_BLK_DEG_2
MDC	10:9664	Second Degree AV Block Type I (Wenckebach, or Mobitz Type I)	MDC_ECG_RHY_AV_HEART_BLK_DEG_2_I
MDC	10:9680	Second Degree AV Block Type II (Mobitz Type II)	MDC_ECG_RHY_AV_HEART_BLK_DEG_2_II
MDC	10:9696	Third Degree AV Block (complete AV block)	MDC_ECG_RHY_AV_HEART_BLK_DEG_3
MDC	10:9712	AV Dissociation	MDC_ECG_RHY_AV_DISSOC
MDC	10:9728	AV dissociation with interference	MDC_ECG_RHY_AV_DISSOC_INT
MDC	10:9744	Isorhythmic AV dissociation	MDC_ECG_RHY_AV_DISSOC_ISO

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	10:9760	Complete AV dissociation	MDC_ECG_RHY_AV_DISSOC_COMP
MDC	10:9776	First Degree SA Block	MDC_ECG_RHY_SA_HEART_BLK_DEG_1
MDC	10:9792	Second Degree SA Block Type I (Wenckebach)	MDC_ECG_RHY_SA_HEART_BLK_DEG_2_I
MDC	10:9808	Second Degree SA Block Type II	MDC_ECG_RHY_SA_HEART_BLK_DEG_2_II
MDC	10:9824	Third Degree SA Block (complete SA block)	MDC_ECG_RHY_SA_HEART_BLK_DEG_3
MDC	10:9840	Ventricular rhythm	MDC_ECG_RHY_V_RHY
MDC	10:9856	Idioventricular (ventricular escape) rhythm	MDC_ECG_RHY_V_IDIO_RHY
MDC	10:9872	Ventricular Parasystole	MDC_ECG_RHY_V_PARA
MDC	10:9888	Accelerated idioventricular rhythm	MDC_ECG_RHY_V_AIVR
MDC	10:9904	Slow Ventricular Tachycardia (Idioventricular Tachycardia)	MDC_ECG_RHY_V_IDIO_TACHY
MDC	10:9920	Ventricular Bigeminy	MDC_ECG_RHY_V_BIGEM
MDC	10:9936	Ventricular Trigeminy	MDC_ECG_RHY_V_TRIGEM
MDC	10:9952	Ventricular Couplet	MDC_ECG_RHY_V_P_C_CPLT
MDC	10:9968	Ventricular Run	MDC_ECG_RHY_V_P_C_RUN
MDC	10:9984	Ventricular Tachycardia (nonparoxysmal)	MDC_ECG_RHY_V_TACHY
MDC	10:10000	Ventricular Flutter	MDC_ECG_RHY_V_FLUT
MDC	10:10016	Ventricular Fibrillation	MDC_ECG_RHY_V_FIB
MDC	10:10032	Nonsustained Ventricular Tachycardia (paroxysmal)	MDC_ECG_RHY_V_TACHY_PAROX
MDC	10:10048	Sustained Monomorphic Ventricular Tachycardia	MDC_ECG_RHY_V_TACHY_MONO
MDC	10:10064	Polymorphic Ventricular Tachycardia	MDC_ECG_RHY_V_TACHY_POLY
MDC	10:10080	Torsades de Pointes Ventricular Tachycardia	MDC_ECG_RHY_V_TACHY_TDP
MDC	10:10096	pre-excitation	MDC_ECG_RHY_PREX
MDC	10:10112	Wolf-Parkinson-White syndrome	MDC_ECG_RHY_WPW_UNK
MDC	10:10128	Wolf-Parkinson type A	MDC_ECG_RHY_WPW_A
MDC	10:10144	Wolf-Parkinson type B	MDC_ECG_RHY_WPW_B
MDC	10:10160	Lown-Ganong-Levine syndrome	MDC_ECG_RHY_LGL
MDC	10:10336	Asystole	MDC_ECG_RHY_ASYSTOLE
MDC	10:10352	Irregular rhythm	MDC_ECG_RHY_IRREG
MDC	10:10368	Low Heart Rate Variability	MDC_ECG_RHY_LHRV
MDC	10:10416	T-wave alternans	MDC_ECG_RHY_TALT
MDC	10:10432	Bradycardia	MDC_ECG_RHY_BRADY
MDC	10:10448	Calibration signal (sustained)	MDC_ECG_RHY_CALS
MDC	10:10176	Atrial Demand Mode Pacing	MDC_ECG_RHY_EPADM
MDC	10:10240	Ventricular Demand Mode Pacing	MDC_ECG_RHY_EPVDM
MDC	10:10304	Anti-Tachycardia Pacing	MDC_ECG_RHY_EPAVT

Note

A prior version of this context group used codes from the SCP-ECG vocabulary.

CID 3416 Respiration Rhythms

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.81**

Table CID 3416. Respiration Rhythms

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	5467003	normal respiratory rhythm	F-21301	C0231843
SCT	248585001	irregular breathing	F-21303	C0425492
SCT	23141003	gasping respiration	F-20130	C0425449
SCT	248584002	abnormal respiratory rhythm	F-21334	C0425491
SCT	271824009	respiration intermittent	F-21331	C1313952

CID 3418 Lesion Risk

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.82**

Table CID 3418. Lesion Risk

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	111-1	Low Risk Lesion
NCDR	2.0b	111-2	Moderate Risk Lesion
NCDR	2.0b	111-3	High Risk Lesion

CID 3419 Findings Titles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.83**

Table CID 3419. Findings Titles

Coding Scheme Designator	Code Value	Code Meaning
DCM	121071	Finding
DCM	121073	Impression
DCM	121075	Recommendation

CID 3421 Procedure Action

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.84**

Table CID 3421. Procedure Action

Coding Scheme Designator	Code Value	Code Meaning
DCM	121130	Start Procedure Action
DCM	121131	End Procedure Action
DCM	121132	Suspend Procedure Action
DCM	121133	Resume Procedure Action

CID 3422 Device Use Actions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.85**

Table CID 3422. Device Use Actions

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371877003	Device inserted into sheath	R-002F8	C1299350
SCT	371876007	Device at site of interest	R-002F7	C1299349
SCT	371875006	Device withdrawn / removed	R-002FB	C1299348
SCT	373061006	Device applied to patient	R-002F6	C1298903
SCT	373062004	Device used	R-002FA	C1298904
SCT	386125002	Device crossed septum	R-10042	C1272581
DCM	122089	Device crossed lesion		

CID 3423 Numeric Device Characteristics

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.86**

Table CID 3423. Numeric Device Characteristics

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	410668003	Length	G-D7FE	C1444754
SCT	81827009	Diameter	M-02550	C1301886
DCM	122097	Catheter Curve		
DCM	122098	Transmit Frequency		
SCT	118565006	Volume	G-D705	C0449468
DCM	121208	Inter-Marker Distance		

CID 3425 Intervention Parameters

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.87**

Table CID 3425. Intervention Parameters

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371851006	Angioplasty Inflation pressure	R-002D0	C1299326
SCT	371852004	Angioplasty Inflation duration	R-002CF	C1299327
SCT	371854003	Rotational Atherectomy Speed	R-0036C	C1299329
SCT	371892002	Delivered Radiation Dose	R-002F2	C1299361
SCT	386131004	Ablation power	R-10043	C1272583
SCT	386132006	Ablation frequency	R-10044	C1272584

CID 3426 Consumables Parameters

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.88**

Table CID 3426. Consumables Parameters

Coding Scheme Designator	Code Value	Code Meaning
DCM	121145	Description of Material
DCM	121148	Unit Serial Identifier
DCM	121149	Lot Identifier

CID 3427 Equipment Events

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100608**
UID: **1.2.840.10008.6.1.89**

Table CID 3427. Equipment Events

Coding Scheme Designator	Code Value	Code Meaning
DCM	110501	Equipment failure
DCM	122047	Equipment brought to procedure room
DCM	122048	Equipment ready
DCM	122049	Equipment removed

CID 3428 Imaging Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180325**
UID: **1.2.840.10008.6.1.90**

Table CID 3428. Imaging Procedures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	77343006	Angiography	P5-009A0	C0002978
SCT	54640009	Aortography	P5-32130	C0003515

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	33367005	Coronary Arteriography	P5-30100	C0085532
SCT	252426003	Cardiac ventriculography	P5-3003A	C0596683
SCT	265484009	Left Ventriculography	P5-30041	C0412219
SCT	265483003	Right Ventriculography	P5-3003F	C0412220
SCT	252427007	Bypass graft angiography	P5-30107	C0430469
DCM	122058	Arterial conduit angiography		
SCT	105376000	Transesophageal echocardiography	P5-B3002	C0206054
SCT	433236007	Transthoracic echocardiography	P5-B3012	C0430462
SCT	433232009	Epicardial echocardiography	P0-05F95	C0430465
SCT	241466007	Intravascular ultrasound	P5-B001D	C0412530
SCT	252421008	Intracardiac echocardiography	P5-B3006	C0430464

Note

In a prior version of this context group, Transthoracic echocardiography was assigned the code P5-B3003 and Epicardial echocardiography was assigned the code P5-B3004; these codes conflict with other SNOMED code assignments. Receiving applications should be aware of this change, and the possibility of misinterpretation of SOP Instances that may include the deprecated codes; see Annex J.

CID 3429 Catheterization Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.91**

Table CID 3429. Catheterization Devices

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129113006	Intra-Aortic Balloon Pump (IABP)	A-28051	C0702122
SCT	371798007	Fluid filled catheter	R-00306	C1299428
SCT	371801001	Fiberoptic catheter	R-00304	C1300076
SCT	371799004	Hall catheter	R-0030A	C1299429
SCT	371800000	Thermistor catheter	R-00379	C1299430
SCT	371802008	Tip manometer	R-00383	C1299431
SCT	79952001	Swann-Ganz catheter	A-26860	C0179790
SCT	268461001	Sheath	F-9B75C	C0419524
SCT	386124003	Transseptal catheter	R-10041	C1272580
DCM	122052	Bioptome		
Include CID 3411 “Intracoronary Devices”				

CID 3430 DateTime Qualifiers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.92**

Table CID 3430. DateTime Qualifiers

Coding Scheme Designator	Code Value	Code Meaning
DCM	121136	DateTime Unsynchronized
DCM	121137	DateTime Estimated

CID 3440 Peripheral Pulse Locations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.93**

Table CID 3440. Peripheral Pulse Locations

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	17137000	Brachial Artery	T-47160	C0006087
SCT	69105007	Carotid Artery	T-45010	C0007272
SCT	86547008	Dorsalis Pedis Artery	T-47740	C0226492
SCT	7657000	Femoral Artery	T-47400	C0015801
SCT	43899006	Popliteal Artery	T-47500	C0032649
SCT	13363002	Posterior Tibial Artery	T-47600	C0086835
SCT	45631007	Radial Artery	T-47300	C0162857
SCT	44984001	Ulnar Artery	T-47200	C0162858

CID 3441 Patient Assessments

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.94**

Table CID 3441. Patient Assessments

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	8884-9	Cardiac Rhythm		C0488795
LN	9304-7	Respiration Rhythm		C0489261
SCT	364528001	Skin condition assessment	F-046D8	C1286230
SCT	364062005	Respiration assessment	F-043E6	C1285809
SCT	363871006	Patient mental state assessment	F-04317	C0278060

CID 3442 Peripheral Pulse Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.95**

Table CID 3442. Peripheral Pulse Methods

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	113011001	Palpation	P2-01510	C0030247
SCT	83422003	Doppler	P1-30022	C0189575

CID 3446 Skin Condition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.96**

Table CID 3446. Skin Condition

Coding Scheme Designator	Code Value	Code Meaning
DCM	122271	skin condition Warm
DCM	122272	skin condition Cool
DCM	122273	skin condition Cold
DCM	122274	skin condition Dry
DCM	122275	skin condition Clammy
DCM	122276	skin condition Diaphoretic
DCM	122277	skin condition Flush
DCM	122278	skin condition Mottled
DCM	122279	skin condition Pale

CID 3448 Airway Assessment

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.97**

Table CID 3448. Airway Assessment

Coding Scheme Designator	Code Value	Code Meaning
DCM	122281	airway unobstructed
DCM	122282	airway partially obstructed
DCM	122283	airway severely obstructed

CID 3451 Calibration Objects

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.98**

Table CID 3451. Calibration Objects

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	19923001	Catheter	A-26800	C0085590

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	102304005	Measuring Ruler	A-10141	C0522637
DCM	122485	Sphere		

CID 3452 Calibration Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.99**

Table CID 3452. Calibration Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	122486	Geometric Isocenter
DCM	122487	Geometric Non-Isocenter
DCM	122488	Calibration Object Used

CID 3453 Cardiac Volume Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.100**

Table CID 3453. Cardiac Volume Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	122558	Area Length Kennedy
DCM	122559	Area Length Dodge
DCM	122560	Area Length Wynne
DCM	122562	Multiple Slices
DCM	122563	Boak
DCM	122564	TS Pyramid
DCM	122565	Two Chamber
DCM	122566	Parallelepiped

CID 3455 Index Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.101**

Table CID 3455. Index Methods

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	8277-6	BSA	C0487992
DCM	122572	BSA^1.219	

CID 3456 Sub-segment Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.102**

Table CID 3456. Sub-segment Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	122574	Equidistant method
DCM	122575	User selected method

CID 3458 Contour Realignment

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.103**

Table CID 3458. Contour Realignment

Coding Scheme Designator	Code Value	Code Meaning
DCM	122475	Center of Gravity
DCM	122476	Long Axis Based
DCM	122477	No Realignment

CID 3460 Circumferential Extent

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.104**

Table CID 3460. Circumferential Extent

Coding Scheme Designator	Code Value	Code Meaning
DCM	122464	LAD Region in RAO Projection
DCM	122465	RCA Region in RAO Projection

CID 3461 Regional Extent

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.105**

Table CID 3461. Regional Extent

Coding Scheme Designator	Code Value	Code Meaning
DCM	122466	Single LAD Region in RAO Projection
DCM	122467	Single RCA Region in RAO Projection
DCM	122468	Multiple LAD Region in RAO Projection
DCM	122469	Multiple RCA Region in RAO Projection

Coding Scheme Designator	Code Value	Code Meaning
DCM	122470	LAD Region in LAO Projection
DCM	122471	RCA Region in LAO Projection
DCM	122472	CFX Region in LAO Projection

CID 3462 Chamber Identification

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.106**

Table CID 3462. Chamber Identification

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	87878005	Left Ventricle	T-32600	C0225897
SCT	53085002	Right Ventricle	T-32500	C0225883
SCT	82471001	Left Atrium	T-32300	C0225860
SCT	73829009	Right Atrium	T-32200	C0225844

CID 3463 Ventricle Identification

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080927**
UID: **1.2.840.10008.6.1.786**

Table CID 3463. Ventricle Identification

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	87878005	Left Ventricle	T-32600	C0225897
SCT	53085002	Right Ventricle	T-32500	C0225883

CID 3465 QA Reference Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.107**

Table CID 3465. QA Reference Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	122489	Curve Fitted Reference
DCM	122490	Interpolated Local Reference
DCM	122491	Mean Local Reference

CID 3466 Plane Identification

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130806**

UID: **1.2.840.10008.6.1.108**

Table CID 3466. Plane Identification

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399356000	Right Anterior Oblique	R-40985	C1275852
SCT	399135007	Left Anterior Oblique	R-10220	C1275823
SCT	399348003	Antero-posterior	R-10206	C0442212
SCT	399173006	Left Lateral	R-10236	C0442198
SCT	408723005	Cranial LAO	R-101C3	C1443272
SCT	408725003	Cranial RAO	R-101C5	C1443274
SCT	408724004	Caudal LAO	R-101C4	C1443273
SCT	408726002	Caudal RAO	R-101C6	C1443275

Note

In a prior version of this Context Group, "right anterior oblique" was assigned the code R-10218, which in SNOMED is actually "Indirect iris transillumination"; this code has been replaced with the correct code R-40985.

CID 3467 Ejection Fraction

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.109**

Table CID 3467. Ejection Fraction

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	8808-8	Left Ventricular Ejection Fraction by Angiography	C0488723
LN	8815-3	Right Ventricular Ejection Fraction by Angiography	C0488731
DCM	122406	Left Atrial Ejection Fraction by Angiography	

CID 3468 ED Volume

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110124**
UID: **1.2.840.10008.6.1.110**

Table CID 3468. ED Volume

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	8821-1	Left Ventricular ED Volume	C0488738
LN	8822-9	Right Ventricular ED Volume	C0488739
DCM	122407	Left Atrial ED Volume	

CID 3469 ES Volume

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20040614**
UID: **1.2.840.10008.6.1.111**

Table CID 3469. ES Volume

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	8823-7	Left Ventricular ES Volume	C0488740
LN	8824-5	Right Ventricular ES Volume	C0488741
DCM	122408	Left Atrial ES Volume	

CID 3470 Vessel Lumen Cross-sectional Area Calculation Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.112**

Table CID 3470. Vessel Lumen Cross-sectional Area Calculation Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	122473	Circular method
DCM	122474	Densitometric method

CID 3471 Estimated Volumes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.113**

Table CID 3471. Estimated Volumes

Coding Scheme Designator	Code Value	Code Meaning
DCM	121216	Volume estimated from single 2D region
DCM	121218	Volume estimated from two non-coplanar 2D regions

CID 3472 Cardiac Contraction Phase

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20071031**
UID: **1.2.840.10008.6.1.114**

Table CID 3472. Cardiac Contraction Phase

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	111973004	Systolic	F-32020	C0039155
SCT	90892000	Diastolic	F-32010	C0012000

CID 3480 IVUS Procedure Phases

This context group outlines the phases of a catheterization procedure in which measurements are performed.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.115**

Table CID 3480. IVUS Procedure Phases

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128960007	Cardiac catheterization post-intervention phase	G-7298	C1292437
SCT	128958005	Cardiac catheterization pre-intervention phase	G-7296	C1292435

CID 3481 IVUS Distance Measurements

This context group is the set of distance measurements made in an IVUS procedure.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.116**

Table CID 3481. IVUS Distance Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122330	EEM Diameter		
SCT	397413000	Vessel lumen diameter	G-0364	C1301408
SCT	408706001	Stent Diameter	R-101AD	C1443256
DCM	122331	Plaque Plus Media Thickness		
DCM	122332	Lumen Perimeter		

CID 3482 IVUS Area Measurements

This context group is the set of cross-sectional area measurements made in an IVUS procedure.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.117**

Table CID 3482. IVUS Area Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122333	EEM Cross-Sectional Area		
SCT	397415007	Vessel lumen cross-sectional area	G-0366	C1301410
SCT	408705002	Stent Cross-Sectional Area	R-101AF	C1443255
DCM	122334	Plaque plus Media Cross-Sectional Area		
DCM	122335	In-Stent Neointimal Cross-Sectional Area		

CID 3483 IVUS Longitudinal Measurements

This context group is a set of measurements that are made on a longitudinal image. A longitudinal image is a perpendicular cut plane reconstructed from an IVUS pullback multi-frame image.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.118**

Table CID 3483. IVUS Longitudinal Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	408703009	Stent Length	R-101B0	C1443253
SCT	408716009	Stenotic Lesion Length	R-101BC	C1443266
DCM	122341	Calcium Length		
DCM	122364	Stent Gap		

CID 3484 IVUS Indices and Ratios

This context group is the set of index and ratio calculations made in an IVUS procedure.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.119**

Table CID 3484. IVUS Indices and Ratios

Coding Scheme Designator	Code Value	Code Meaning
DCM	122343	Lumen Eccentricity Index
DCM	122344	Plaque plus Media Eccentricity Index
DCM	122345	Remodeling Index
DCM	122346	Stent Symmetry Index
DCM	122347	Stent Expansion Index
DCM	122348	Lumen Shape Index
DCM	122350	Lumen Diameter Ratio
DCM	122351	Stent Diameter Ratio
DCM	122352	EEM Diameter Ratio

CID 3485 IVUS Volume Measurements

This context group is the set of volume measurements made from an IVUS procedure.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.120**

Table CID 3485. IVUS Volume Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122371	EEM Volume		
DCM	122372	Lumen Volume		
SCT	408704003	Stent Volume	R-101B2	C1443254
DCM	122374	In-Stent Neointimal Volume		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122375	Native Plaque Volume		
DCM	122376	Total Plaque Volume		

CID 3486 Vascular Measurement Sites

This context group is the set of sites where vascular measurements can be made.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.121**

Table CID 3486. Vascular Measurement Sites

Coding Scheme Designator	Code Value	Code Meaning
DCM	122380	Proximal Reference
DCM	122381	Distal Reference
DCM	122382	Site of Lumen Minimum
DCM	122687	Site of Lumen Maximum

CID 3487 Intravascular Volumetric Regions

This context group is the set of regions where intravascular volumetric measurements can be made.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170413**
UID: **1.2.840.10008.6.1.122**

Table CID 3487. Intravascular Volumetric Regions

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122383	Stented Region		
DCM	122384	Entire Pullback		
DCM	122385	Proximal Stent Margin		
DCM	122386	Distal Stent Margin		
SCT	49755003	Morphologically Abnormal Structure	M-01000	C0332447
SCT	52988006	Lesion	M-01100	C0221198
SCT	371895000	Culprit Lesion	R-002EF	C1299364

Note

(49755003, SCT, "Morphologically Abnormal Structure") was previously described with a Code Meaning of "Lesion", but that synonym has been retired as "inappropriate" in SNOMED. The Code Meaning has been replaced with the preferred SNOMED term, and the separate concept (52988006, SCT, "Lesion") added.

CID 3488 Min/Max/Mean

This context group contains modifiers that indicate whether the measurement is a minimum, maximum or averaged value.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.123**

Table CID 3488. Min/Max/Mean

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	56851009	Maximum	G-A437	C0205289
SCT	255605001	Minimum	R-404FB	C0547040
SCT	373098007	Mean	R-00317	C1298794

CID 3489 Calcium Distribution

This context group is a set of modifiers specifying the distribution of a calcium deposit in an arc of calcium measurement.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.124**

Table CID 3489. Calcium Distribution

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	26283006	Superficial	G-A139	C0205124
SCT	795002	Deep	G-A140	C0205125

CID 3491 IVUS Lesion Morphologies

This context group is a set of qualitative assessments for lesion morphology.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.125**

Table CID 3491. IVUS Lesion Morphologies

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 3495 “IVUS Plaque Composition”				
DCM	122356	Soft plaque		
DCM	122357	In-Stent Neointima		
SCT	233981004	Arterial (True) Aneurysm	D3-80027	C0340613
SCT	22036004	Pseudo Aneurysm	M-32390	C1510412
DCM	122361	False Lumen		
SCT	255465008	Concentric	R-4047B	C0439744
SCT	255380003	Eccentric	R-40416	C0439740
SCT	62189002	Plaque Ulceration	M-52103	C0333481
DCM	122363	Plaque Rupture		
DCM	122389	Vulnerable Plaque		
DCM	122390	Eroded Plaque		

CID 3492 Vascular Dissection Classifications

This context group is a set of dissection classifications commonly detected with IVUS or CT/MR angiography.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180325**
UID: **1.2.840.10008.6.1.126**

Table CID 3492. Vascular Dissection Classifications

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122399	Medial Dissection		
DCM	122398	Intimal Dissection		
DCM	122397	Adventitial Dissection		
SCT	54493002	Intramural hematoma	M-35063	C0333200
DCM	122388	Intra-stent Dissection		

CID 3493 IVUS Relative Stenosis Severities

This context group is a set of stenosis severity classifications for multiple lesions within a segment. There will always be a worst stenosis (T-1), the stenosis with the smallest lumen size.

There can be multiple secondary stenoses (T-2, T-3, etc.), which are lesions meeting the definition of a stenosis, but with lumen sizes larger than the worst stenosis. Reference *"American College of Cardiology Clinical Expert Consensus Document on Standards for Acquisition, Measurement and Reporting of Intravascular Ultrasound Studies (IVUS) "*.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.127**

Table CID 3493. IVUS Relative Stenosis Severities

Coding Scheme Designator	Code Value	Code Meaning
DCM	122367	T-1 Worst
DCM	122368	T-2 Secondary
DCM	122369	T-3 Secondary
DCM	122370	T-4 Secondary

CID 3494 IVUS Non Morphological Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.128**

Table CID 3494. IVUS Non Morphological Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122360	True Lumen		
SCT	408707005	Arterial Blood Stasis	R-101B3	C1443257
SCT	408709008	Incomplete Stent apposition	R-101B5	C1443259

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	408710003	Acquired Incomplete stent apposition	R-101B6	C1443260

CID 3495 IVUS Plaque Composition

This context group is a set of qualitative assessments defining the composition of plaque.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.129**

Table CID 3495. IVUS Plaque Composition

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	40772000	Fibrous Plaque	M-78260	C0334146
SCT	237897009	Vascular Calcification	D6-34737	C0342649
SCT	396339007	Thrombus	M-35001	C0087086
DCM	122394	Fibro-Lipidic Plaque		
DCM	122395	Necrotic-Lipidic Plaque		

CID 3496 IVUS Fiducial Points

This context group is a set of fiducial points (anatomical markers). Fiducial points are used as identifiable axial landmarks in determining the location of a measurement in a vessel.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.130**

Table CID 3496. IVUS Fiducial Points

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	397406000	Collateral Branch of vessel	G-035D	C1275670
SCT	65818007	Stent	A-25500	C0038257
SCT	237897009	Vascular Calcification	D6-34737	C0342649
SCT	40772000	Fibrous Plaque	M-78260	C0334146
SCT	29092000	Vein	T-48000	C0042449
SCT	397421006	Vessel Origin	G-036A	C1301415

CID 3497 IVUS Arterial Morphology

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.131**

Table CID 3497. IVUS Arterial Morphology

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	67170007	Lumen of artery	T-41100	C0225997
SCT	414165007	External Elastic Membrane	R-102AE	C1532733
Include CID 3495 “IVUS Plaque Composition”				

CID 3500 Pressure Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.132**

Table CID 3500. Pressure Units

Coding Scheme Designator	Code Value	Code Meaning
UCUM	mm[Hg]	mmHg
UCUM	kPa	kPa

CID 3502 Hemodynamic Resistance Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20120327**
UID: **1.2.840.10008.6.1.133**

Table CID 3502. Hemodynamic Resistance Units

Coding Scheme Designator	Code Value	Code Meaning
UCUM	[PRU]	P.R.U.
UCUM	[wood'U]	Wood U
UCUM	dyn.s.cm-5	dyn.s.cm-5

Note

P.R.U. is in units of mm[Hg].s/ml; Wood Units is in mm[Hg].min/l

CID 3503 Indexed Hemodynamic Resistance Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20120327**
UID: **1.2.840.10008.6.1.134**

Table CID 3503. Indexed Hemodynamic Resistance Units

Coding Scheme Designator	Code Value	Code Meaning
UCUM	[PRU]/m2	P.R.U./m2
UCUM	[wood'U]/m2	Wood U/m2
UCUM	dyn.s.cm-5/m2	dyn.s.cm-5/m2

CID 3510 Catheter Size Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.135**

Table CID 3510. Catheter Size Units

Coding Scheme Designator	Code Value	Code Meaning
UCUM	[Ch]	french
UCUM	mm	mm

CID 3515 Specimen Collection

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.136**

Table CID 3515. Specimen Collection

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	17636008	specimen collection	P3-02000	C0200345
SCT	82078001	collection of blood specimen for laboratory	PA-20110	C0005834
SCT	243776001	blood sampling from extracorporeal blood circuit	PA-2011E	C0419352

CID 3520 Blood Source Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.137**

Table CID 3520. Blood Source Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371952000	Systemic Artery Blood	R-00376	C1299266
SCT	116176007	Mixed Venous Blood	T-C2007	C0440739
SCT	371953005	Pulmonary Artery Blood	R-0035B	C1299267
SCT	371954004	Pulmonary Vein Blood	R-0035E	C1299268

CID 3524 Blood Gas Pressures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.138**

Table CID 3524. Blood Gas Pressures

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11557-6	Blood Carbon dioxide partial pressure	C0550246
LN	2019-8	Arterial Blood Carbon dioxide partial pressure	C0364151
LN	2021-4	Venous Blood Carbon dioxide partial pressure	C0364153
LN	11556-8	Blood Oxygen partial pressure	C0550440
LN	2703-7	Arterial Oxygen partial pressure	C1145645
LN	2705-2	Venous Oxygen partial pressure	C1145647
LN	19217-9	Oxygen partial pressure at 50% saturation (P50)	C0802130
LN	19214-6	Arterial Oxygen partial pressure at 50% saturation	C1153749
LN	19216-1	Venous Oxygen partial pressure at 50% saturation	C1153751

CID 3525 Blood Gas Content

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.139**

Table CID 3525. Blood Gas Content

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	20565-8	Blood Carbon dioxide content	C0803374
LN	2026-3	Arterial Blood Carbon dioxide content	C0364158
LN	2027-1	Venous Blood Carbon dioxide content	C0364159
DCM	122185	Blood Oxygen content	
LN	19218-7	Arterial Oxygen content	C0802131
LN	19220-3	Venous Oxygen content	C0802133
LN	10232-7	Aortic Root Oxygen content	C0488752
LN	10245-9	Pulmonary Artery Main Oxygen content	C0488765
LN	10247-5	Pulmonary Wedge Oxygen content	C0488767

CID 3526 Blood Gas Saturation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.140**

Table CID 3526. Blood Gas Saturation

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
DCM	122187	Blood Carbon dioxide saturation	
LN	20564-1	Blood Oxygen saturation	C0803373
LN	2708-6	Arterial Oxygen saturation	C0364851
LN	2711-0	Venous Oxygen saturation	C0364854

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	2709-4	Capillary Blood Oxygen Saturation	C0364852
LN	2710-2	Capillary Blood Oxygen Saturation, by Oximetry	C0364853

CID 3527 Blood Base Excess

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.141**

Table CID 3527. Blood Base Excess

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11555-0	Blood Base Excess	C0550221
LN	1925-7	Arterial Blood Base Excess	C0364060
LN	1927-3	Venous Blood Base Excess	C0364062

CID 3528 Blood pH

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.142**

Table CID 3528. Blood pH

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11558-4	Blood pH	C0550447
LN	2744-1	Arterial Blood pH	C0364887
LN	2746-6	Venous Blood pH	C0364889

CID 3529 Arterial / Venous Content

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.143**

Table CID 3529. Arterial / Venous Content

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	19218-7	Arterial Content (FCa)	C0802131
LN	19220-3	Venous Content (FCv)	C0802133
DCM	122188	Pulmonary Arterial Content (FCpa)	
DCM	122189	Pulmonary Venous Content (FCpv)	

CID 3530 Oxygen Administration Actions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20030327**
UID: **1.2.840.10008.6.1.144**

Table CID 3530. Oxygen Administration Actions

Coding Scheme Designator	Code Value	Code Meaning
DCM	121161	Begin oxygen administration
DCM	121162	End oxygen administration

CID 3531 Oxygen Administration

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.145**

Table CID 3531. Oxygen Administration

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371907003	Oxygen Administration by nasal cannula	R-0034A	C1299376
SCT	371908008	Oxygen Administration by mask	R-00349	C1299377
DCM	121163	Oxygen Administration by ventilator		

CID 3550 Circulatory Support Actions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.146**

Table CID 3550. Circulatory Support Actions

Coding Scheme Designator	Code Value	Code Meaning
DCM	121157	Begin Circulatory Support
DCM	121158	End Circulatory Support

CID 3551 Ventilation Actions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.147**

Table CID 3551. Ventilation Actions

Coding Scheme Designator	Code Value	Code Meaning
DCM	121168	Begin Ventilation
DCM	121169	End Ventilation

CID 3552 Pacing Actions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**

UID: **1.2.840.10008.6.1.148**

Table CID 3552. Pacing Actions

Coding Scheme Designator	Code Value	Code Meaning
DCM	121166	Begin Pacing
DCM	121167	End Pacing

CID 3553 Circulatory Support

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.149**

Table CID 3553. Circulatory Support

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129113006	Intra-Aortic Balloon Pump	A-28051	C0702122
SCT	371790000	External Counter-Pulsation	R-00303	C1299423
SCT	360066001	Left Ventricular Assist Device	A-11FCD	C0181598
SCT	182744004	Extra-corporeal circulation	P2-77110	C0015354
SCT	63697000	Cardiopulmonary bypass	P1-36858	C0007202

CID 3554 Ventilation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.150**

Table CID 3554. Ventilation

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371785003	Ambu Bag	R-002CC	C0221812
SCT	371786002	Pressure Support Ventilator	R-00359	C1299420
SCT	371787006	Volume Support Ventilator	R-0038C	C1299421

CID 3555 Pacing

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.151**

Table CID 3555. Pacing

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	18590009	Pacing	P2-35000	C0199640
SCT	371909000	pacing with magnet	R-00315	C1299378
SCT	69158002	atrial pacing	P2-35200	C0199647

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	344994008	ventricular pacing	P2-35002	C0199648
SCT	371910005	A-V sequential pacing	R-002D9	C1299379
SCT	59218006	temporary transcutaneous pacing	P2-35440	C0199657

CID 3560 Blood Pressure Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.152**

Table CID 3560. Blood Pressure Methods

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371911009	Blood pressure cuff method	R-00318	C1299380

CID 3600 Relative Times

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.153**

Table CID 3600. Relative Times

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	272113006	Before	R-407E0	C0740175
SCT	272114000	During	R-407E1	C0347985
SCT	288563008	After	R-42517	C0687676

CID 3602 Hemodynamic Patient State

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.154**

Table CID 3602. Hemodynamic Patient State

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128974000	Baseline state	F-01602	C1290922
SCT	40199007	Supine body position	F-10340	C0038846
SCT	128975004	Resting state	F-01604	C0679218
SCT	128976003	Exercise state	F-01606	C1290923
SCT	128977007	Post-exercise state	F-01608	C1290924

CID 3604 Arterial Lesion Locations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.155**

Table CID 3604. Arterial Lesion Locations

Coding Scheme Designator	Code Value	Code Meaning
Include CID 3015 “Coronary Arteries”		
Include CID 3606 “Arterial Source Locations”		

CID 3606 Arterial Source Locations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180605**
UID: **1.2.840.10008.6.1.156**

Table CID 3606. Arterial Source Locations

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	7832008	Abdominal aorta	T-42500	C0003484
SCT	8012006	anterior communicating artery	T-45530	C0149562
SCT	17388009	anterior spinal artery	T-45730	C0149603
SCT	15825003	Aorta	T-42000	C0003483
SCT	57034009	Aortic Arch	T-42300	C0003489
SCT	128551005	Aortic fistula	D3-81922	C1290392
SCT	51114001	Artery	T-41000	C0003842
SCT	54247002	Ascending aorta	T-42100	C0003956
SCT	67937003	Axillary Artery	T-47100	C0004455
SCT	128981007	Baffle	A-00203	C1289790
SCT	59011009	basilar artery	T-45800	C0004811
SCT	17137000	Brachial artery	T-47160	C0006087
SCT	12691009	brachiocephalic trunk	T-46010	C0006094
SCT	69105007	Carotid Artery	T-45010	C0007272
SCT	88556005	cerebral artery	T-45510	C0007770
SCT	32062004	Common carotid artery	T-45100	C0162859
SCT	181347005	Common Femoral Artery	T-47402	C0447105
SCT	41801008	Coronary Artery	T-43000	C0205042
SCT	32672002	Descending aorta	T-42400	C3163626
SCT	23074001	facial artery	T-45240	C0226109
SCT	7657000	Femoral artery	T-47400	C0015801
SCT	128555001	Fistula coronary to left atrium	D4-32504	C1290487
SCT	128556000	Fistula coronary to left ventricle	D4-32506	C1290488
SCT	373095005	Fistula coronary to right atrium	R-002ED	C1298791
SCT	128558004	Fistula coronary to right ventricle	D4-32510	C1290490

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128559007	geniculate artery	T-47490	C0447108
SCT	76015000	Hepatic artery	T-46420	C0019145
SCT	10293006	Iliac artery	T-46700	C0020887
SCT	12691009	Innominate artery	T-46010	C0006094
SCT	86117002	internal carotid artery	T-45300	C0007276
SCT	69327007	Internal mammary artery	T-46200	C0226276
SCT	59749000	lacrimal artery	T-45410	C0226171
SCT	44830000	lateral plantar artery	T-47650	C0226478
SCT	113270003	Left femoral artery	T-47420	C0226448
SCT	50408007	Left pulmonary artery	T-44400	C0226069
SCT	113264009	lingual artery	T-45230	C0226104
SCT	34635009	lumbar artery	T-46960	C0226408
SCT	86570000	mesenteric artery	T-46500	C0025465
SCT	74156002	medial plantar artery	T-47660	C0226479
SCT	14944004	Neo-aorta (primitive aorta)	T-F7001	C0231136
SCT	91707000	Neonatal pulmonary artery (primitive PA)	T-F7040	C0231157
SCT	31145008	occipital artery	T-45250	C0226117
SCT	53549008	ophthalmic artery	T-45400	C0029078
SCT	83330001	patent ductus arteriosus	D4-32012	C0013274
SCT	8821006	peroneal artery	T-47630	C0226476
SCT	43899006	popliteal artery	T-47500	C0032649
SCT	43119007	posterior communicating artery	T-45320	C0149559
SCT	31677005	Profunda Femoris Artery	T-47440	C0226455
SCT	253639004	Pulmonary arteriovenous fistula	D3-4020B	C0345042
SCT	81040000	Pulmonary artery	T-44000	C0034052
SCT	128584005	Pulmonary artery conduit	D4-33142	C1290491
SCT	371829003	Pulmonary vein wedge	R-00360	C1299456
SCT	45631007	radial artery	T-47300	C0162857
SCT	2841007	Renal artery	T-46600	C0035065
SCT	69833005	Right femoral artery	T-47410	C0226447
SCT	78480002	Right pulmonary artery	T-44200	C0226054
SCT	36765005	Subclavian Artery	T-46100	C0038530
SCT	181349008	Superficial Femoral Artery	T-47403	C0447106
SCT	15672000	superficial temporal artery	T-45270	C0226130
SCT	72021004	superior thyroid artery	T-45210	C0226093
SCT	128589000	Systemic collateral Artery to lung	T-44007	C0345096
SCT	113262008	Thoracic aorta	T-42070	C1522460
SCT	181351007	tibial artery	T-4704C	C0085427
SCT	61959006	Truncus Arteriosus Communis	D4-31400	C0041207
SCT	50536004	Umbilical artery	T-F1810	C0041632

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	85234005	Vertebral artery	T-45700	C0042559

CID 3607 Venous Source Locations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180605**
UID: **1.2.840.10008.6.1.157**

Table CID 3607. Venous Source Locations

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128585006	Anomalous pulmonary vein	T-48503	C0265914
SCT	128553008	Antecubital Vein	T-49215	C1276271
SCT	68705008	Axillary vein	T-49110	C0004456
SCT	72107004	Azygos vein	T-48340	C0004526
SCT	19715009	Basilic vein	T-49230	C0226801
SCT	128548003	Boyd perforating vein	T-49424	C1267522
SCT	20115005	Brachial vein	T-49350	C0226812
SCT	34340008	Central venous system	T-48003	C0226503
SCT	20699002	cephalic vein	T-49240	C0226802
SCT	128554002	Dodd perforating vein	T-49429	C1267525
SCT	83419000	Femoral vein	T-49410	C0015809
SCT	110568007	gastric vein	T-48820	C0750610
SCT	60734001	Great saphenous vein	T-49530	C0392907
SCT	8993003	hepatic vein	T-48720	C0019155
SCT	128560002	Hunterian perforating vein	T-4942A	C1267526
SCT	64131007	Inferior Vena cava	T-48710	C0042458
SCT	8887007	Innominate vein	T-48620	C0006095
SCT	12123001	Internal jugular vein	T-48170	C0226550
SCT	128583004	mesenteric vein	T-4884A	C0025473
SCT	32764006	portal vein	T-48810	C0032718
SCT	128569001	posterior medial tributary	T-49535	C1267527
SCT	122972007	Pulmonary vein	T-48581	C0034090
SCT	128566008	Pulmonary vein confluence	D4-33512	C1290492
SCT	56400007	Renal vein	T-48740	C0035092
SCT	128587003	Saphenofemoral junction	T-D930A	C0447132
SCT	362072009	Saphenous vein	T-4940B	C0036186
SCT	35819009	splenic vein	T-48890	C0038001
SCT	9454009	Subclavian vein	T-48330	C0038532
SCT	48345005	Superior vena cava	T-48610	C0042459
SCT	284639000	Umbilical vein	T-48832	C0226734
SCT	29092000	Vein	T-48000	C0042449

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371951007	Vena anonyma	R-003AA	C1299265

Note

In a prior version of this Context Group the code T-48500 rather than T-48581 was defined for the concept Pulmonary Vein; this was inconsistent with the DICOM approach of selecting the "structure of" rather than "entire" concept. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 3608 Atrial Source Locations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.158**

Table CID 3608. Atrial Source Locations

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128981007	Baffle	A-00203	C1289790
SCT	253276007	Common atrium	D4-31005	C0392482
SCT	31162003	Coronary sinus	T-32330	C0225863
SCT	128563000	Juxtaposed appendage	D4-31052	C1290478
SCT	82471001	Left atrium	T-32300	C0225860
SCT	128449009	Pulmonary artery wedge	G-DB27	C1264742
SCT	128448001	Pulmonary capillary wedge	G-DB26	C1264741
SCT	128567004	Pulmonary venous atrium	D4-33514	C1290493
SCT	128586007	Pulmonary chamber in cor triatriatum	T-32190	C0225841
SCT	73829009	Right Atrium	T-32200	C0225844
SCT	128568009	Systemic venous atrium	D4-33516	C1290494

CID 3609 Ventricular Source Locations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.159**

Table CID 3609. Ventricular Source Locations

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	45503006	Common ventricle	D4-31120	C0152424
SCT	87878005	Left ventricle	T-32600	C0225897
SCT	128564006	Left ventricle apex	T-32602	C0580781
SCT	70238003	Left ventricle inflow	T-32640	C0225911
SCT	13418002	Left ventricle outflow tract	T-32650	C0225912
SCT	53085002	Right ventricle	T-32500	C0225883

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128565007	Right ventricle apex	T-32502	C0445242
SCT	8017000	Right ventricle inflow	T-32540	C0225891
SCT	44627009	Right ventricle outflow tract	T-32550	C0225892

CID 3610 Gradient Source Locations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.160**

Table CID 3610. Gradient Source Locations

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	91134007	Mitral Valve	T-35300	C0026264
SCT	34202007	Aortic Valve	T-35400	C0003501
SCT	46030003	Tricuspid valve	T-35100	C0040960
SCT	39057004	Pulmonary valve	T-35200	C0034086
SCT	81040000	Pulmonary artery	T-44000	C0034052
SCT	13418002	Left ventricle outflow tract	T-32650	C0225912
SCT	44627009	Right ventricle outflow tract	T-32550	C0225892
SCT	30288003	Ventricular Septal defect	D4-31150	C0018818
SCT	70142008	Atrial Septal defect	D4-31220	C0018817
SCT	7305005	Coarctation of aorta	D4-32014	C0003492

CID 3611 Pressure Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050322**
UID: **1.2.840.10008.6.1.161**

Table CID 3611. Pressure Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	109016	A wave peak pressure		
DCM	122196	C wave pressure		
LN	8462-4	Intravascular diastolic blood pressure		C0488052
SCT	314453003	Average diastolic blood pressure	F-00E22	C1282163
SCT	314451001	Minimum diastolic blood pressure	F-00E1F	C1282161
DCM	122191	Ventricular End Diastolic pressure		
DCM	122197	Gradient pressure, average		
DCM	122198	Gradient pressure, peak		
SCT	6797001	Mean blood pressure	F-31150	C0428886
DCM	122199	Pressure at dp/dt max		
LN	8480-6	Intravascular Systolic Blood pressure		C0488055

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	314440001	Average systolic blood pressure	F-00E14	C1282151
SCT	314439003	Maximum systolic blood pressure	F-00E11	C1282150
DCM	109034	V wave peak pressure		
DCM	122208	x-descent pressure		
DCM	122209	y-descent pressure		
DCM	122210	z-point pressure		

CID 3612 Blood Velocity Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.162**

Table CID 3612. Blood Velocity Measurements

Coding Scheme Designator	Code Value	Code Meaning
DCM	122201	Diastolic blood velocity, mean
DCM	122202	Diastolic blood velocity, peak
DCM	122203	Systolic blood velocity, mean
DCM	122204	Systolic blood velocity, peak
DCM	122205	Blood velocity, mean
DCM	122206	Blood velocity, minimum
DCM	122207	Blood velocity, peak

CID 3613 Hemodynamic Time Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.163**

Table CID 3613. Hemodynamic Time Measurements

Coding Scheme Designator	Code Value	Code Meaning
DCM	122182	R-R interval
DCM	109072	Tau
DCM	122211	Left Ventricular ejection time
DCM	122212	Left Ventricular filling time
DCM	122213	Right Ventricular ejection time
DCM	122214	Right Ventricular filling time
DCM	109071	Indicator mean transit time

CID 3614 Valve Areas, Non-mitral

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.164**

Table CID 3614. Valve Areas, Non-mitral

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	251011009	Aortic Valve Area	F-0231F	C0428817
SCT	251013007	Pulmonic Valve Area	F-02321	C0428819
SCT	251014001	Tricuspid Valve Area	F-02322	C0428820
DCM	122160	Derived Non-Valve Area		

CID 3615 Valve Areas

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.165**

Table CID 3615. Valve Areas

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 3614 “Valve Areas, Non-mitral”				
SCT	251012002	Mitral Valve Area	F-02320	C0221099

CID 3616 Hemodynamic Period Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.166**

Table CID 3616. Hemodynamic Period Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371850007	Aortic Systolic Ejection Period (SEPa)	R-002D2	C1269855
SCT	371848004	Pulmonary Systolic Ejection Period (SEPp)	R-0035C	C1269854
SCT	371849007	Mitral Diastolic Filling Period (DFPm)	R-0032C	C1299325
SCT	371847009	Tricuspid Diastolic Filling Period (DFPt)	R-003A9	C1299324
SCT	371853009	Derived Period, Non-Valve	R-002F5	C1299328

CID 3617 Valve Flows

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.167**

Table CID 3617. Valve Flows

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371845001	Aortic Valve Flow	R-002D3	C1299322

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371837006	Mitral Valve Flow	R-0032D	C1299464
SCT	371846000	Pulmonary Valve Flow	R-0035D	C1299323
SCT	371840006	Tricuspid Valve Flow	R-00385	C1299467
SCT	371839009	Derived Flow, Non-Valve	R-00394	C1299466

CID 3618 Hemodynamic Flows

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.168**

Table CID 3618. Hemodynamic Flows

Coding Scheme Designator	Code Value	Code Meaning
DCM	122161	Pulmonary Flow
DCM	122162	Systemic Flow

CID 3619 Hemodynamic Resistance Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.169**

Table CID 3619. Hemodynamic Resistance Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	276901002	Pulmonary Vascular Resistance	F-03E86	C0456261
SCT	386530009	Systemic Vascular Resistance	F-02B35	C1258192
DCM	122215	Total Pulmonary Resistance		
DCM	122216	Total Vascular Resistance		

CID 3620 Hemodynamic Ratios

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.170**

Table CID 3620. Hemodynamic Ratios

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	8581-1	Tibial/brachial index		C0488220
SCT	251050008	Pulmonary/Systemic Flow Ratio	F-0238B	C0428854
DCM	122217	Coronary Flow reserve		
DCM	122218	Diastolic/Systolic velocity ratio		
DCM	122219	Hyperemic ratio		
SCT	252068008	Pulsatility Index	F-031A2	C0429863

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122220	Hemodynamic Resistance Index		
Include CID 3621 “Fractional Flow Reserve”				

CID 3621 Fractional Flow Reserve

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.171**

Table CID 3621. Fractional Flow Reserve

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371842003	Fractional flow reserve	R-00307	C1299469
SCT	371835003	Fractional Flow Reserve using intracoronary bolus	R-00308	C1299462
SCT	371841005	Fractional Flow Reserve using intravenous infusion	R-00309	C1299468

CID 3627 Measurement Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20060613**
UID: **1.2.840.10008.6.1.172**

Table CID 3627. Measurement Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371912002	Best value	R-002E1	C1299381
SCT	373098007	Mean	R-00317	C1298794
SCT	373099004	Median	R-00319	C1298795
SCT	373100007	Mode	R-0032E	C1298796
SCT	371913007	Point source measurement	R-00355	C1299382
SCT	371914001	Peak to peak	R-00353	C1299383
SCT	258083009	Visual estimation	R-41D27	C0444684
SCT	414135002	Estimated	R-10260	C0750572
SCT	258090004	Calculated	R-41D2D	C0444686
SCT	258104002	Measured	R-41D41	C0444706

CID 3628 Cardiac Output Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.173**

Table CID 3628. Cardiac Output Methods

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371838001	Thermal Bath	R-002E5	C1299465
SCT	371843008	Thermal Inline	R-002E7	C1299320
SCT	373104003	Dye Dilution	R-002E6	C1298799

CID 3629 Procedure Intent

This Context Group specifies the intent for a procedure or a procedure step, depending on the context of invocation. The intent for a procedure step may be different than that of the procedure in which it occurs.

Note

1. For example, a surgical biopsy procedure may have "Diagnostic Intent", while the imaging procedure step within that procedure may have "Guidance Intent".
2. Collection of specimens is generally "Diagnostic Intent"; "Forensic Intent" is typically used for autopsies; "Palliative Intent" and "Adjuvant Intent" may apply to certain radiotherapy procedures.
3. In SNOMED-CT, "Staging Intent" is a subsidiary concept (refinement) of "Diagnostic Intent". The following are subsidiary concepts of "Therapeutic Intent": Adjunct, Adjuvant, Curative, Neo-adjuvant, Prophylactic, and Supportive. Prophylactic is also a subsidiary concept of Preventive intent.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.174**

Table CID 3629. Procedure Intent

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	261004008	Diagnostic Intent	R-408C3	C0348026
SCT	262202000	Therapeutic Intent	R-41531	C0302350
SCT	371931008	Combined Diagnostic and Therapeutic Procedure	R-002E9	C1299398
DCM	113680	Quality Control Intent		
SCT	373825000	Staging intent	R-408F2	C1276306
SCT	363675004	Guidance Intent	R-40641	C1285529
SCT	363676003	Palliative Intent	R-40642	C1285530
SCT	360156006	Screening Intent	R-42453	C1305399
SCT	447295008	Forensic Intent	R-40644	C2960804
SCT	421974008	Adjunct intent	R-41564	C1719882
SCT	373846009	Adjuvant intent	R-41561	C1298675
SCT	373808002	Curative intent	R-41560	C1276305
SCT	373847000	Neo-adjuvant intent	R-41562	C1298676
SCT	399707004	Supportive intent	R-41563	C1302630
SCT	129428001	Preventive intent	P0-02179	C1456501
SCT	360271000	Prophylactic intent	P0-021FD	C0199176

CID 3630 Cardiovascular Anatomic Locations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.175**

Table CID 3630. Cardiovascular Anatomic Locations

Coding Scheme Designator	Code Value	Code Meaning
Include CID 3606 “Arterial Source Locations”		
Include CID 3607 “Venous Source Locations”		
Include CID 3608 “Atrial Source Locations”		
Include CID 3609 “Ventricular Source Locations”		
Include CID 3610 “Gradient Source Locations”		

CID 3640 Hypertension

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040920**
UID: **1.2.840.10008.6.1.176**

Table CID 3640. Hypertension

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	70995007	Pulmonary hypertension	D3-40300	C0020542
SCT	38341003	Systemic arterial hypertension	D3-02000	C0020538

CID 3641 Hemodynamic Assessments

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.177**

Table CID 3641. Hemodynamic Assessments

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	276780008	Left Ventricular Systolic Pressure	F-03E0D	C0456189
SCT	276781007	Left Ventricular End-Diastolic Pressure	F-03E0E	C0456190
SCT	250767002	Pulmonary Artery Pressure	F-0212C	C0428642
SCT	276901002	Pulmonary Vascular Resistance	F-03E86	C0456261
SCT	118433006	Pulmonary Capillary Wedge Pressure	F-31146	C0086879
SCT	276772001	Right Ventricular Systolic Pressure	F-03DFE	C0456181
SCT	276774000	Right Ventricular End-Diastolic Pressure	F-03E02	C0456183
SCT	276755008	Right Atrial Pressure	F-03DE9	C0456165
SCT	88619007	Vascular Resistance	F-39790	C0042380
SCT	271650006	Diastolic Pressure	F-008ED	C0428883

CID 3642 Degree Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040920**
UID: **1.2.840.10008.6.1.178**

Table CID 3642. Degree Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	1250004	Decreased	G-A316	C0205216
SCT	75540009	Elevated	G-A373	C3163633
SCT	260360000	Severely Elevated	G-A37A	C0442804
SCT	260395002	Normal Range	R-40765	C0086715

CID 3651 Hemodynamic Measurement Phase

This context group is a subset of CID 3250 “Catheterization Procedure Phase”.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.179**

Table CID 3651. Hemodynamic Measurement Phase

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128955008	Cardiac catheterization baseline phase	G-7293	C1292432
SCT	129083002	Cardiac catheterization post contrast phase	G-729B	C1292440
SCT	128960007	Cardiac catheterization post-intervention phase	G-7298	C1292437
SCT	373105002	Cardiac catheterization test/challenge phase	R-002E4	C1300063
SCT	371874005	Cardiac catheterization gradient assessment phase	R-002E3	C1300078
SCT	133882006	Drug Infusion Challenge	P2-71317	C1297891
SCT	128967005	Exercise challenge	P2-71310	C1293901
SCT	128975004	Resting State	F-01604	C0679218

CID 3663 Body Surface Area Equations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100609**
UID: **1.2.840.10008.6.1.180**

Table CID 3663. Body Surface Area Equations

Coding Scheme Designator	Code Value	Code Meaning
DCM	122240	BSA = 0.003207*WT^(0.7285-0.0188 log (WT)) *HT^0.3
DCM	122241	BSA = 0.007184*WT^ 0.425*HT^0.725

Coding Scheme Designator	Code Value	Code Meaning
DCM	122242	BSA = 0.0235*WT^0.51456*HTcm^ 0.42246
DCM	122243	BSA = 0.024265*WT^0.5378*HTcm^0.3964
DCM	122244	BSA = (HT * WT/36) ^0.5
DCM	122245	BSA = 1321+0.3433*WT
DCM	122246	BSA = 0.0004688*WT^(0.8168-0.0154*log(WT))
DCM	122266	BSA = 0.007358*WT^ 0.425*HT^0.725
DCM	122267	BSA = 0.010265*WT^ 0.423*HT^0.651
DCM	122268	BSA = 0.008883*WT^ 0.444*HT^0.663
DCM	122269	BSA = 0.038189*WT^ 0.423*HT^0.362
DCM	122270	BSA = 0.009568*WT^ 0.473*HT^0.655

CID 3664 Oxygen Consumption Equations and Tables

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.181**

Table CID 3664. Oxygen Consumption Equations and Tables

Coding Scheme Designator	Code Value	Code Meaning
DCM	122247	VO2male = BSA (138.1 - 11.49 * loge(age) + 0.378*HRf)
DCM	122248	VO2female = BSA (138.1 - 17.04 * loge(age) + 0.378*HRf)
DCM	122249	VO2 = VeSTPD * 10 * (FIO2 - FE02)
DCM	122250	VO2 = 152 * BSA
DCM	122251	VO2 = 175 * BSA
DCM	122252	VO2 = 176 * BSA
DCM	122253	Robertson & Reid table
DCM	122254	Fleisch table
DCM	122255	Boothby table

CID 3666 P50 Equations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.182**

Table CID 3666. P50 Equations

Coding Scheme Designator	Code Value	Code Meaning
DCM	122256	if (prem age< 3days) P50 = 19.9
DCM	122257	if (age < 1day) P50 = 21.6
DCM	122258	if (age < 30day) P50 = 24.6
DCM	122259	if (age < 18y) P50 = 27.2
DCM	122260	if (age < 40y) P50 = 27.4
DCM	122261	if (age > 60y) P50 = 29.3

CID 3667 Framingham Scores

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.183**

Table CID 3667. Framingham Scores

Coding Scheme Designator	Code Value	Code Meaning
DCM	122230	10 Year CHD Risk
DCM	122231	Comparative Average10 Year CHD Risk
DCM	122232	Comparative Low10 Year CHD Risk

CID 3668 Framingham Tables

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.184**

Table CID 3668. Framingham Tables

Coding Scheme Designator	Code Value	Code Meaning
DCM	122233	LDL Cholesterol Score Sheet for Men
DCM	122234	LDL Cholesterol Score Sheet for Women
DCM	122235	Total Cholesterol Score Sheet for Men
DCM	122236	Total Cholesterol Score Sheet for Women

CID 3670 ECG Procedure Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110330**
UID: **1.2.840.10008.6.1.185**

Table CID 3670. ECG Procedure Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	268400002	12-Lead ECG	P2-3120A	C0430456
SCT	429163003	15-Lead ECG	P2-3120E	C1998169
SCT	425808002	18-Lead ECG	P2-3120C	C1961003

CID 3671 Reason for ECG Exam

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.186**

Table CID 3671. Reason for ECG Exam

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373110003	Emergency procedure	R-00300	C1298802
SCT	110467000	Pre-Surgery testing	P1-00410	C1293092
SCT	371883000	Outpatient procedure	R-00348	C1299353
SCT	373111004	Procedure in Cardiac Care Unit	R-0035A	C1298803
SCT	4525004	Emergency Department patient visit	P2-10700	C0586082
SCT	373112006	Evaluation of murmur	R-00302	C1298804
SCT	373113001	Routine procedure	R-0036E	C1298805

CID 3672 Pacemakers

This Context Group includes the full set of codes for types of pacemakers specified in the NASPE/BPEG Generic Pacemaker Code (NBG). The Coding Scheme Designator (0008,0102) shall be NBG.

Note

1. A prior version of this context group used codes from the SCP-ECG vocabulary.
2. Further information at http://www.hrsonline.org/Practice-Guidance/Clinical-Guidelines-Documents/2002-The-Revised-NASPE-BPEG-Generic-Code-for-Antibradycardia-AdaptiveRate-and-Multisite-Pacing. For reference, the scheme is reproduced here:

Code Position	1 - Chamber(s) paced	2 - Chamber(s) sensed	3 - Response to sensing	4 - Rate modulation	5- Multisite pacing
Code values	O = None A = Atrium V = Ventricle D = Dual (A+V) S = Single(A or V - Mfr designation only)	O = None A = Atrium V = Ventricle D = Dual (A+V) S = Single(A or V - Mfr designation only)	O = None T = Triggered I = Inhibited D = Dual (T+I)	O = None R = Rate modulation	O = None A = Atrium V = Ventricle D = Dual (A+V)

CID 3673 Diagnosis (Retired)

This Context Group is retired. See PS3.16-2009.

CID 3675 Other Filters (Retired)

This Context Group is retired. See PS3.16-2009.

CID 3676 Lead Measurement Technique

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180325**
UID: **1.2.840.10008.6.1.190**

Table CID 3676. Lead Measurement Technique

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373098007	Averaged	R-00317	C1298794
SCT	373115008	Routine	R-0036D	C1298806
SCT	373099004	Median	R-00319	C1298795
SCT	371916004	Representative	R-0036A	C1299385
SCT	371871002	Single Beats	R-00373	C1299345

CID 3677 Summary Codes ECG

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20111028**
UID: **1.2.840.10008.6.1.191**

Table CID 3677. Summary Codes ECG

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	164854000	Normal ECG	F-000B7	C0522054
SCT	102594003	Abnormal ECG	F-38002	C0522055
SCT	251135002	Borderline Normal ECG	F-38056	C0428951
SCT	370359005	ECG Equivocal	F-38095	C0438155
DCM	122753	Non-diagnostic ECG		

Note

A prior version of this context group used codes from the SCP-ECG vocabulary.

CID 3678 QT Correction Algorithms

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20081029**
UID: **1.2.840.10008.6.1.192**

Table CID 3678. QT Correction Algorithms

Coding Scheme Designator	Code Value	Code Meaning
DCM	122730	Bazett QT Correction Algorithm
DCM	122731	Hodges QT Correction Algorithm
DCM	122732	Fridericia QTc Algorithm
DCM	122733	Framingham QTc Algorithm

Note

A prior version of this context group used codes from the SCP-ECG vocabulary.

CID 3679 ECG Morphology Descriptions (Retired)

This Context Group is retired. See PS3.16-2009.

CID 3680 ECG Lead Noise Descriptions

This Context Group comprises the ECG noise annotations of ISO/IEEE 11073-10102. The terms included in the table below may not constitute the complete list; see the ISO/IEEE Standard.

Note

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110330**
UID: **1.2.840.10008.6.1.194**

Table CID 3680. ECG Lead Noise Descriptions

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	10:11200	No noise	MDC_ECG_NOISE_CLEAN
MDC	10:11216	Moderate noise	MDC_ECG_NOISE_MODERATE
MDC	10:11232	Severe noise	MDC_ECG_NOISE_SEVERE
MDC	10:11248	No signal	MDC_ECG_NOISE_NOSIGNAL

A prior version of this context group used codes from the SCP-ECG vocabulary.

CID 3681 ECG Lead Noise Modifiers (Retired)

This Context Group is retired. See PS3.16-2009.

CID 3682 Probability (Retired)

This Context Group is retired. See PS3.16-2009.

CID 3683 Modifiers (Retired)

This Context Group is retired. See PS3.16-2009.

CID 3684 Trend (Retired)

This Context Group is retired. See PS3.16-2009.

CID 3685 Conjunctive Terms (Retired)

This Context Group is retired. See PS3.16-2009.

CID 3686 ECG Interpretive Statements (Retired)

This Context Group is retired. See PS3.16-2009.

CID 3687 Electrophysiology Waveform Durations

This Context Group consists of the per-lead terms under the hierarchy of Reference ID MDC_ECG_TIME_PD in the ISO/IEEE 11073-10102 nomenclature.

The base terms from that hierarchy are included in the table below for reference. The per-lead base terms are pre-coordinated with concept discriminators for specific leads, and the code values for those pre-coordinated terms are arithmetically derived from the

code values of the base terms. For the complete current list of terms and discriminator values, see the ISO/IEEE Standard. All pre-coordinated terms (measurements plus discriminators) within the identified hierarchy are part of this Context Group.

Note

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110330**
UID: **1.2.840.10008.6.1.201**

Table CID 3687. Electrophysiology Waveform Durations

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	2:6656	P duration, per lead	MDC_ECG_TIME_PD_P
MDC	2:4608	P onset to P1 duration, per lead	MDC_ECG_TIME_PD_P1
MDC	2:4864	P onset to P2 duration, per lead	MDC_ECG_TIME_PD_P2
MDC	2:5120	P onset to P3 duration, per lead	MDC_ECG_TIME_PD_P3
MDC	2:7168	P offset to QRS onset duration, per lead	MDC_ECG_TIME_PD_PR
MDC	2:7680	Q duration, per lead	MDC_ECG_TIME_PD_Q
MDC	2:7936	QRS duration, per lead	MDC_ECG_TIME_PD_QRS
MDC	2:8192	QT duration, per lead	MDC_ECG_TIME_PD_QT
MDC	2:11264	R1 duration, per lead	MDC_ECG_TIME_PD_R_1
MDC	2:11520	R2 duration, per lead	MDC_ECG_TIME_PD_R_2
MDC	2:11776	R3 duration, per lead	MDC_ECG_TIME_PD_R_3
MDC	2:12032	S1 duration, per lead	MDC_ECG_TIME_PD_S_1
MDC	2:12288	S2 duration, per lead	MDC_ECG_TIME_PD_S_2
MDC	2:12544	S3 duration, per lead	MDC_ECG_TIME_PD_S_3
MDC	2:11008	Ventricular activation time, per lead	MDC_ECG_TIME_PD_VENT_ACTIV
MDC	2:32768	PP time period, per lead	MDC_ECG_TIME_PD_PP
MDC	2:33024	RR time period, per lead	MDC_ECG_TIME_PD_RR
MDC	2:33280	PQ time period, per lead	MDC_ECG_TIME_PD_PQ
MDC	2:33536	PQ segment time period, per lead	MDC_ECG_TIME_PD_PQ_SEG
MDC	2:34560	QTU time period, per lead	MDC_ECG_TIME_PD_QTU

CID 3688 Electrophysiology Waveform Voltages

This Context Group consists of the codes of the hierarchies under Reference IDs MDC_ECG_ELEC_POTL and MDC_ECG_AMPL of the ISO/IEEE 11073-10102 nomenclature.

The base terms from those hierarchies are included in the table below for reference. The per lead base terms are pre-coordinated with concept discriminators for specific leads, and the code values for those pre-coordinated terms are arithmetically derived from the code values of the base terms. For the complete current list of terms and discriminator values, see the ISO/IEEE Standard. All pre-coordinated terms (measurements plus discriminators) within the identified hierarchies are part of this Context Group.

Note

1. A prior version of this context group used codes from the SCP-ECG coding system.

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110330**
UID: **1.2.840.10008.6.1.202**

Table CID 3688. Electrophysiology Waveform Voltages

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	2:1024	J point Amplitude, per lead	MDC_ECG_AMPL_J
MDC	2:14848	Amplitude at 20 ms into ST segment, per lead	MDC_ECG_ELEC_POTL_ST_20
MDC	2:15104	Amplitude at 40 ms into ST segment, per lead	MDC_ECG_ELEC_POTL_ST_40
MDC	2:14336	Amplitude at 60 ms into ST segment, per lead	MDC_ECG_ELEC_POTL_ST_60
MDC	2:14592	Amplitude at 80 ms into ST segment, per lead	MDC_ECG_ELEC_POTL_ST_80
MDC	2:1280	P maximum amplitude, per lead	MDC_ECG_AMPL_P_MAX
MDC	2:1536	P minimum amplitude, per lead	MDC_ECG_AMPL_P_MIN
MDC	2:3072	P3 amplitude, per lead	MDC_ECG_AMPL_P3
MDC	2:1792	Q amplitude, per lead	MDC_ECG_AMPL_Q
MDC	2:2048	R amplitude, per lead	MDC_ECG_AMPL_R
MDC	2:12800	R1 amplitude, per lead	MDC_ECG_ELEC_POTL_R_1
MDC	2:13056	R2 amplitude, per lead	MDC_ECG_ELEC_POTL_R_2
MDC	2:13312	R3 amplitude, per lead	MDC_ECG_ELEC_POTL_R_3
MDC	2:2304	S amplitude, per lead	MDC_ECG_AMPL_S
MDC	2:13568	S1 amplitude, per lead	MDC_ECG_ELEC_POTL_S_1
MDC	2:13824	S2 amplitude, per lead	MDC_ECG_ELEC_POTL_S_2
MDC	2:14080	S3 amplitude, per lead	MDC_ECG_ELEC_POTL_S_3
MDC	2:2560	T maximum amplitude, per lead	MDC_ECG_AMPL_T_MAX
MDC	2:2816	T minimum amplitude, per lead	MDC_ECG_AMPL_T_MIN
MDC	2:768	ST amplitude, per lead	MDC_ECG_AMPL_ST

CID 3689 ECG Global Waveform Durations

This Context Group consists of the global terms under the hierarchy of Reference ID MDC_ECG_TIME_PD in the ISO/IEEE 11073-10102 nomenclature.

The base terms from that hierarchy are included in the table below for reference. The base terms may be pre-coordinated with concept discriminators, and the code values for those pre-coordinated terms are arithmetically derived from the code values of the base terms. For the complete current list of terms and discriminator values, see the ISO/IEEE Standard. All pre-coordinated terms (measurements plus discriminators) within the identified hierarchy are part of this Context Group.

Note

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20110330**
UID: **1.2.840.10008.6.1.927**

Table CID 3689. ECG Global Waveform Durations

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	2:16184	P duration, global	MDC_ECG_TIME_PD_P_GL
MDC	2:16140	PP time period, global	MDC_ECG_TIME_PD_PP_GL
MDC	2:16144	PQ time period, global	MDC_ECG_TIME_PD_PQ_GL
MDC	2:15872	PR time period, global	MDC_ECG_TIME_PD_PR_GL
MDC	2:16148	PQ segment time period, global	MDC_ECG_TIME_PD_PQ_SEG_GL
MDC	2:16156	QRS duration, global	MDC_ECG_TIME_PD_QRS_GL
MDC	2:16160	QT duration, global	MDC_ECG_TIME_PD_QT_GL
MDC	2:16000	RR time period, global	MDC_ECG_TIME_PD_RR_GL
MDC	2:16004	QTU time period, global	MDC_ECG_TIME_PD_QTU_GL

CID 3690 ECG Control Variables Numeric

This Context Group includes the ECG control variables specified in the ISO/IEEE 11073-10102 nomenclature that take numeric values. The terms are included in the table below for reference; these may not constitute the complete current list (see the ISO/IEEE Standard).

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110330**
UID: **1.2.840.10008.6.1.895**

Table CID 3690. ECG Control Variables Numeric

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	10:11393	Sample rate	MDC_ECG_CTL_VBL_SAMPLE_RATE
MDC	10:11394	Sensitivity	MDC_ECG_CTL_VBL_SENSITIVITY
MDC	10:11395	Zero offset	MDC_ECG_CTL_VBL_ZERO_OFFSET
MDC	10:11397	Pad value	MDC_ECG_CTL_VBL_PAD_VALUE
MDC	10:11398	Time skew	MDC_ECG_CTL_VBL_TIME_SKEW
MDC	10:11399	Sample skew	MDC_ECG_CTL_VBL_SAMPLE_SKEW
MDC	10:11400	Time offset	MDC_ECG_CTL_VBL_TIME_OFFSET
MDC	10:11403	Low pass filter cutoff freq	MDC_ECG_CTL_VBL_ATTR_FILTER_CUTOFF_FREQ
MDC	10:11408	Notch filter frequency	MDC_ECG_CTL_VBL_ATTR_FILTER_NOTCH_FREQ
MDC	10:11409	Notch filter bandwidth	MDC_ECG_CTL_VBL_ATTR_FILTER_NOTCH_BANDWIDTH
MDC	10:11418	Interpolator SNR	MDC_ECG_CTL_VBL_INTERPOLATOR_SNR

CID 3691 ECG Control Variables Text

This Context Group includes the ECG control variables specified in the ISO/IEEE 11073-10102 nomenclature that take text or coded values. The terms are included in the table below for reference; these may not constitute the complete current list (see the ISO/IEEE Standard).

Note

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Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110330**
UID: **1.2.840.10008.6.1.896**

Table CID 3691. ECG Control Variables Text

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	10:11402	Low pass filter	MDC_ECG_CTL_VBL_ATTR_FILTER_LOW_PASS
MDC	10:11404	High pass filter	MDC_ECG_CTL_VBL_ATTR_FILTER_HIGH_PASS
MDC	10:11406	High pass filter description	MDC_ECG_CTL_VBL_ATTR_FILTER_DESCRIPTION
MDC	10:11407	Notch filter	MDC_ECG_CTL_VBL_ATTR_FILTER_NOTCH
MDC	10:11410	Notch filter description	MDC_ECG_CTL_VBL_ATTR_FILTER_NOTCH _DESCRIPTION
MDC	10:11412	Baseline description	MDC_ECG_CTL_VBL_BASELINE_DESC
MDC	10:11414	Interpolator	MDC_ECG_CTL_VBL_INTERPOLATOR
MDC	10:11416	Interpolator description	MDC_ECG_CTL_VBL_INTERPOLATOR_DESC

CID 3692 ICDs

This Context Group includes the full set of codes for types of implanted cardioverter/defibrillators (ICDs) specified in the NASPE/BPEG Defibrillator Code (NBD). The Coding Scheme Designator (0008,0102) shall be NBD.

Note

Further information at http://www.hrsonline.org/News/ep-history/topics-in-depth/modecodehistory.cfm. For reference, the scheme is reproduced here:

Code Position	Shock chamber	Antitachycardia pacing chamber	Tachycardia detection	Antibradycardia pacing chamber
Code values	O = None A = Atrium V = Ventricle D = Dual (A+V)	O = None A = Atrium V = Ventricle D = Dual (A+V)	E = Electrogram H = Hemodynamic	O = None A = Atrium V = Ventricle D = Dual (A+V)

Short Form
ICD-S = ICD with shock capability only ICD-B = ICD with bradycardia pacing as well as shock ICD-T = ICD with tachycardia (and bradycardia) pacing as well as shock

CID 3700 Cath Diagnosis

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.203**

Table CID 3700. Cath Diagnosis

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	53741008	Coronary artery disease	D3-13040	C1956346
SCT	57054005	Acute myocardial infarction	D3-15100	C0155626
SCT	102589003	Atypical chest pain	F-37012	C0262384
SCT	233819005	Stable Angina	D3-13020	C0340288
SCT	87343002	Atypical Angina, Variant Angina	D3-12400	C0002963
SCT	4557003	Unstable Angina, Progressive Angina	D3-12700	C0002965
SCT	314116003	Post-infarction angina	D3-13014	C1278535
SCT	371808007	Recurrent angina Post-PTCA	R-00368	C1299436
SCT	371812001	Recurrent angina Post-DCA	R-00367	C1299440
SCT	371811008	Recurrent angina Post-Rotational Atherectomy	R-00369	C1299439
SCT	371809004	Recurrent angina Post-Stent	R-00366	C1299437
SCT	371810009	Recurrent angina Post-CABG	R-00365	C1299438
SCT	42343007	Congestive heart failure	D3-16010	C0018802
SCT	19242006	Pulmonary edema	D2-61100	C0034063
SCT	89138009	cardiogenic shock	D3-00200	C0036980
SCT	371817007	Acute ventricular septal rupture	R-002CB	C1299445
SCT	11851006	Mitral valve disease	D3-29010	C0026265
SCT	79619009	Mitral stenosis	D3-29011	C0026269
SCT	48724000	Mitral regurgitation	D3-29012	C0026266
SCT	373116009	Acute mitral regurgitation	D3-29096	C1298807
SCT	233823002	Silent ischemia	D3-13021	C0340291
SCT	371824008	s/p MI positive stress for ischemia	R-00336	C1300077
SCT	50920009	Myocarditis	D3-26000	C0027059
SCT	73774007	Subacute bacterial endocarditis	D3-28102	C0014122
SCT	360465008	Idiopathic hypertrophic subaortic stenosis	D3-2906A	C0700053
SCT	70995007	Pulmonary hypertension	D3-40300	C0020542
SCT	20721001	Tricuspid valve disease	D3-29040	C0264882
SCT	111287006	Tricuspid regurgitation	D3-29042	C0040961
SCT	409712001	Mitral valve prolapse	D3-1081C	C0026267
SCT	25569003	Ventricular tachycardia	D3-31700	C0042514
SCT	71908006	Ventricular fibrillation	D3-31720	C0042510
SCT	399020009	Congestive cardiomyopathy	D3-20021	C0007193

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	64715009	Hypertensive heart disease	D3-02500	C0152105
SCT	90828009	Restrictive cardiomyopathy	D3-22100	C0007196
SCT	55855009	Pericardial disease	D3-90000	C0265122
SCT	35304003	Pericardial tamponade	D3-90100	C0007177
SCT	8722008	Aortic valve disease	D3-29020	C1260873
SCT	60573004	Aortic stenosis	D3-29021	C0003507
SCT	194983005	Aortic insufficiency	D3-29025	C0340377
SCT	70142008	Atrial septal defect	D4-31220	C0018817
SCT	308546005	Aortic dissection	D3-80016	C0340643
SCT	76267008	Pulmonic valve disease	D3-29050	C0034087
SCT	30288003	Ventricular septal defect	D4-31150	C0018818
SCT	67362008	Aortic aneurysm	D3-83300	C0003486
SCT	698247007	Arrhythmia	R-FAE6C	C0003811
SCT	49436004	Atrial fibrillation	D3-31520	C0004238
SCT	13213009	heart disease, congenital	D4-31000	C0152021
SCT	85598007	Constrictive pericarditis	D3-91030	C0031048

CID 3701 Cardiac Valves and Tracts

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.204**

Table CID 3701. Cardiac Valves and Tracts

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	91134007	Mitral Valve	T-35300	C0026264
SCT	34202007	Aortic Valve	T-35400	C0003501
SCT	46030003	Tricuspid valve	T-35100	C0040960
SCT	39057004	Pulmonary valve	T-35200	C0034086
SCT	13418002	Left ventricle outflow tract	T-32650	C0225912

CID 3703 Wall Motion

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20111028**
UID: **1.2.840.10008.6.1.205**

Table CID 3703. Wall Motion

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373121007	Not Evaluated	R-00378	C1298808
SCT	261665006	Unknown	R-41198	C0439673
DCM	122288	Not visualized		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373122000	Normal wall motion	R-00344	C1298809
SCT	373123005	Hyperkinetic region	R-0030D	C1298810
SCT	37706002	Hypokinesis	F-32056	C0232172
SCT	371868005	Mild Hypokinesis	R-00327	C1299342
SCT	371869002	Moderate Hypokinesis	R-0032F	C1299343
SCT	371870001	Severe Hypokinesis	R-00370	C1299344
SCT	195675009	Akinesis	F-30004	C0232171
SCT	25437005	Dyskinesis	F-32052	C0232168

Note

In prior editions, this Context Group included incorrect codes for "Hypokinesis" and "Mild Hypokinesis" (see PS3.16-2011).

CID 3704 Myocardium Wall Morphology Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.206**

Table CID 3704. Myocardium Wall Morphology Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122112	Normal Myocardium		
SCT	90539001	Ventricular Aneurysm	D3-10510	C0392464
DCM	122113	Scarred Myocardium		
DCM	122114	Thinning Myocardium		

CID 3705 Chamber Size

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.207**

Table CID 3705. Chamber Size

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373124004	Normal size cardiac chamber	R-00343	C1298811
SCT	373125003	Abnormally small cardiac chamber	R-002C6	C1298812
SCT	373126002	Mildly Enlarged cardiac chamber	R-0032A	C1298813
SCT	373127006	Moderately Enlarged cardiac chamber	R-00331	C1298814
SCT	373128001	Markedly Enlarged cardiac chamber	R-00316	C1298815

CID 3706 Overall Contractility

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20111028**
UID: **1.2.840.10008.6.1.208**

Table CID 3706. Overall Contractility

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373129009	Normal wall contractility	R-00341	C1298816
SCT	371855002	Hyperkinesis	R-00398	C1299330
SCT	37706002	Hypokinesis	F-32056	C0232172
SCT	195675009	Akinesis	F-30004	C0232171

CID 3707 VSD Description

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.209**

Table CID 3707. VSD Description

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	94150003	Membranous	D4-31154	C0685706
SCT	373131000	Non-restrictive	R-0033B	C1298817
SCT	253551005	Restrictive	D4-31166	C0344924
SCT	260413007	None	R-40775	C0549184

CID 3709 Aortic Root Description

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.210**

Table CID 3709. Aortic Root Description

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373132007	Normal Aortic Root	R-0033C	C1298818
SCT	373133002	Enlarged Aortic Root	R-00301	C1298819
SCT	373134008	Aneurysm of Aortic Root	R-002CD	C1298820
SCT	373135009	Annular Abscess of Aortic Root	R-002D1	C1298821
SCT	371872009	Post Stenotic Dilation	R-003A1	C1299346
SCT	21379009	Ruptured Sinus of Valsalva	D3-83660	C0265019

CID 3710 Coronary Dominance

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20111028**
UID: **1.2.840.10008.6.1.211**

Table CID 3710. Coronary Dominance

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	253729004	Left Coronary Dominance	D4-3252C	C0345136
SCT	253728007	Right Coronary Dominance	D4-3252B	C0345135
SCT	253730009	Balanced Coronary Dominance	D4-3252D	C0345137

Note

In prior editions, this Context Group included NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes (see PS3.16-2011).

CID 3711 Valvular Abnormalities

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.212**

Table CID 3711. Valvular Abnormalities

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	44241007	Stenosis	D3-29001	C0264878
SCT	10337008	Regurgitation	F-32400	C0042300
SCT	373136005	Calcified Heart Valve	R-0030B	C1142152
SCT	373137001	Immobile Heart Valve	R-0030F	C1298822
DCM	127856	Heart Valve Flail		
SCT	89736004	Valvular endocarditis	D3-28005	C0264865

CID 3712 Vessel Descriptors

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.213**

Table CID 3712. Vessel Descriptors

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373138006	Ulcerated	R-00389	C1298823
SCT	371893007	Restenotic	R-0036B	C1299362
SCT	371894001	Bifurcation	R-002E2	C1299363
SCT	371895000	Culprit	R-002EF	C1299364
SCT	255378009	Aneurysmal	R-40411	C0439651
SCT	371915000	Diffuse Disease	R-002FC	C1299384
SCT	371873004	Luminal Irregularities	R-00314	C1299347
SCT	424045003	Muscle Bridge	D4-31B68	C1827939
SCT	386139002	Stenotic	R-10050	C1272588
SCT	386140000	Ectatic	R-10051	C1272589

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	237897009	Calcified	D6-34737	C0342649
SCT	396339007	Thrombus	M-35001	C0087086
SCT	386137000	Tortuous	R-10048	C1272586
SCT	386138005	Stented	R-10049	C1272587

CID 3713 TIMI Flow Characteristics

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.214**

Table CID 3713. TIMI Flow Characteristics

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR Equivalent
SCT	371867000	0: No Perfusion	R-0037E	C1299341	106-0, 107-0
SCT	371866009	1: Penetration without Perfusion	R-0037F	C1299340	106-1, 107-1
SCT	371864007	2: Partial Perfusion	R-00381	C1299338	106-2, 107-2
SCT	371865008	3: Complete Perfusion	R-00382	C1299339	106-3, 107-3

CID 3714 Thrombus

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.215**

Table CID 3714. Thrombus

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373140001	No Thrombus	R-0033A	C1276764
SCT	373141002	Possible Thrombus	R-00356	C1298825
SCT	373142009	Definite Thrombus	R-002F1	C1298826
SCT	373143004	Severe Thrombus	R-00371	C1298827

CID 3715 Lesion Margin

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050614**
UID: **1.2.840.10008.6.1.216**

Table CID 3715. Lesion Margin

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	82280004	Smooth	G-A545	C0205357
SCT	49608001	Irregular	G-A402	C0205271

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371922008	Multiple Irregularities	R-00335	C1299391
SCT	255321001	Ulcerative	R-403CC	C0041582

CID 3716 Severity

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.217**

Table CID 3716. Severity

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	260413007	None	R-40775	C0549184
SCT	255604002	Mild	R-404FA	C2945599
SCT	371923003	Mild to Moderate	R-00329	C1299392
SCT	6736007	Moderate	G-A002	C0205081
SCT	371924009	Moderate to Severe	R-00330	C1299393
SCT	24484000	Severe	G-A003	C0205082
SCT	399166001	Fatal	R-4099D	C1302234

CID 3717 Myocardial Wall Segments

This 17-segment model of left ventricular myocardial wall segments uses the terminology specified in " AHA Scientific Statement: Standardized Myocardial Segmentation and Nomenclature for Tomographic Imaging of the Heart"(see Section 2).

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.218**

Table CID 3717. Myocardial Wall Segments

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	264850008	left ventricle basal anterior segment	T-32619	C0555926
SCT	396482007	left ventricle basal anteroseptal segment	R-10075	C1300766
SCT	396646008	left ventricle basal inferoseptal segment	R-10076	C1300903
SCT	264846001	left ventricle basal inferior segment	T-32615	C0555929
SCT	396652009	left ventricle basal inferolateral segment	R-10079	C1300909
SCT	396654005	left ventricle basal anterolateral segment	R-1007A	C1300911
SCT	264848000	left ventricle mid anterior segment	T-32617	C0555925
SCT	396647004	left ventricle mid anteroseptal segment	R-10077	C1300904
SCT	396649001	left ventricle mid inferoseptal segment	R-10078	C1300906
SCT	264847005	left ventricle mid inferior segment	T-32616	C0555924
SCT	396655006	left ventricle mid inferolateral segment	R-1007B	C1300912
SCT	396656007	left ventricle mid anterolateral segment	R-1007C	C1300913
SCT	264844003	left ventricle apical anterior segment	T-32613	C0555922

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	264845002	left ventricle apical septal segment	T-32614	C0555923
SCT	264849008	left ventricle apical inferior segment	T-32618	C0555930
SCT	264853005	left ventricle apical lateral segment	T-3261C	C0555928
SCT	128564006	apex of left ventricle	T-32602	C0580781

CID 3718 Myocardial Wall Segments in Projection

This context group specifies the left ventricular myocardial wall segments as seen in typical right anterior oblique (RAO) and left anterior oblique (LAO) angiographic projections.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030614**
UID: **1.2.840.10008.6.1.219**

Table CID 3718. Myocardial Wall Segments in Projection

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	264850008	left ventricle basal anterior segment	T-32619	C0555926
SCT	73050001	myocardium of anterolateral region	T-32634	C0225907
SCT	47962008	myocardium of apex of heart	T-32636	C0225909
SCT	72542009	myocardium of diaphragmatic region	T-32632	C0225905
SCT	264846001	left ventricle basal inferior segment	T-32615	C0555929
SCT	277631004	left ventricle basal lateral segment	T-32603	C0559192
SCT	33272004	myocardium of posterolateral region	T-32633	C0225906
SCT	16239001	myocardium of inferolateral region	T-32637	C0225910
SCT	264845002	left ventricle apical septal segment	T-32614	C0555923
SCT	277630003	left ventricular basal septal segment	T-32601	C0559191
SCT	408720008	left ventricular posterobasal segment	R-101C0	C1443269

CID 3719 Canadian Clinical Classification

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.220**

Table CID 3719. Canadian Clinical Classification

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR [2.0b] Equivalent
SCT	161971004	Chest pain not present	F-A265A	C0423635	50-0
SCT	61490001	Angina Class I	D3-12001	C0264675	50-I
SCT	41334000	Angina Class II	D3-12002	C0264676	50-II
SCT	85284003	Angina Class III	D3-12003	C0264677	50-IIII
SCT	89323001	Angina Class IV	D3-12004	C0264678	50-IV

Note

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3720 Cardiac History Dates (Retired)

This Context Group is retired. See PS3.16-2007.

CID 3721 Cardiovascular Surgeries

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20081027**
UID: **1.2.840.10008.6.1.222**

Table CID 3721. Cardiovascular Surgeries

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR [2.0b] Equivalent
SCT	415070008	Percutaneous coronary intervention	R-102B4	C1532338	40
SCT	232717009	Coronary artery bypass graft	P1-3301A	C0010055	42
SCT	73544002	Operation on heart valve	P1-32000	C0190065	44
SCT	233159005	Ablation operation for arrhythmia	P1-31C03	C0397403	
SCT	307280005	Implantation of cardiac pacemaker	P0-004BA	C0189842	
SCT	233170003	Implantation of automatic cardiac defibrillator	P1-3157D	C0397417	
SCT	307701005	Abdominal aortic aneurysm stenting	P1-0555A	C0585569	
SCT	32413006	Heart transplant	P1-31D00	C0018823	
SCT	428613004	Correction of congenital cardiovascular deformity	P1-080B4	C1997888	

Note

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3722 Diabetic Therapy

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141103**
UID: **1.2.840.10008.6.1.223**

Table CID 3722. Diabetic Therapy

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	170745003	Diabetic on Dietary Treatment	F-02F14	C0421246
SCT	170746002	Diabetic on Oral Treatment	F-02F15	C0421247
SCT	170747006	Diabetic on Insulin	F-02F16	C0421248

Note

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3723 MI Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.224**

Table CID 3723. MI Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR [2.0b] Equivalent
SCT	401314000	Non ST Elevation Myocardial Infarction	D3-1511A	C1276061	94-1
SCT	401303003	ST Elevation Myocardial Infarction	D3-15119	C1303258	94-2

Note

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3724 Smoking History

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.225**

Table CID 3724. Smoking History

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR [2.0b] Equivalent
SCT	266919005	No History of Smoking	F-9321F	C0425293	38-0
SCT	77176002	Current Smoker	S-32000	C3241966	38-1
SCT	8517006	Former Smoker	S-32070	C0337671	38-2

Note

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3726 Indications for Coronary Intervention

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.226**

Table CID 3726. Indications for Coronary Intervention

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR Equivalent
DCM	122171	Coronary lesion > = 50% stenosis			
SCT	89138009	Cardiogenic Shock	D3-00200	C0036980	123

CID 3727 Indications for Catheterization

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20111028**
UID: **1.2.840.10008.6.1.227**

Table CID 3727. Indications for Catheterization

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	89138009	cardiogenic shock	D3-00200	C0036980
SCT	368009	valvular heart disease	D3-10800	C0018824
SCT	44808001	Arrhythmia	D3-30000	C0264886
SCT	414545008	ischemic heart disease	D3-10030	C0151744
SCT	165076002	cardiac function test abnormal	F-000FF	C0438177
SCT	32413006	heart transplant	P1-31D00	C0018823
SCT	13213009	heart disease - congenital	D4-31000	C0152021
SCT	85898001	cardiomyopathy	D3-20000	C0878544
SCT	56265001	heart disease	D3-10000	C0018799

Note

1. (56265001, SCT, "heart disease") should be used only when a more specific characterization of the disease is not applicable.
2. In prior editions, this Context Group included NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes (see PS3.16-2011).

CID 3728 Cath Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.228**

Table CID 3728. Cath Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371856001	Normal left heart hemodynamics	R-0033F	C1299331
SCT	371859008	Normal right heart hemodynamics	R-00342	C1299334
SCT	371858000	Normal left and right heart hemodynamics	R-0033E	C1299333
SCT	371857005	Normal left ventricular systolic function and wall motion	R-00340	C1299332

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371860003	Normal coronary arteries	R-0033D	C1299335
SCT	371861004	Mild intimal coronary irregularities, no significant stenoses	R-00328	C1299336
SCT	194842008	Single vessel coronary artery disease.	D3-13001	C0581374
SCT	194843003	Double vessel coronary artery disease.	D3-13013	C0581375
SCT	233817007	Triple vessel coronary artery disease.	D3-1301F	C0340285
SCT	371803003	Multi vessel coronary artery disease.	R-00334	C1299432
SCT	371804009	Left main coronary artery disease	R-00313	C1299433
SCT	371805005	Significant coronary bypass graft disease	R-00372	C1299434
SCT	60573004	Aortic stenosis	D3-29021	C0003507
SCT	194983005	Aortic insufficiency	D3-29025	C0340377
SCT	79619009	Mitral stenosis	D3-29011	C0026269
SCT	48724000	Mitral regurgitation	D3-29012	C0026266
SCT	371862006	Depression of left ventricular systolic function	R-002F3	C1299337
SCT	371813006	Acute mitral regurgitation from chordal rupture	R-002C8	C1299441
SCT	371814000	Acute mitral regurgitation from chordal dysfunction	R-002C7	C1299442
SCT	371816003	Acute mitral regurgitation from papillary muscle rupture	R-002CA	C1299444
SCT	371815004	Acute mitral regurgitation from papillary muscle dysfunction	R-002C9	C1299443
SCT	409712001	Mitral valve prolapse	D3-1081C	C0026267
SCT	399020009	Congestive cardiomyopathy	D3-20021	C0007193
SCT	45227007	Hypertrophic cardiomyopathy with obstruction	D3-23000	C0007194
SCT	195020003	Hypertrophic cardiomyopathy without obstruction	D3-20003	C0340425
SCT	64715009	Hypertensive heart disease	D3-02500	C0152105
SCT	90828009	Restrictive cardiomyopathy	D3-22100	C0007196
SCT	35304003	Pericardial tamponade	D3-90100	C0007177
SCT	85598007	Constrictive pericarditis	D3-91030	C0031048
SCT	70995007	Pulmonary hypertension	D3-40300	C0020542
SCT	70142008	Atrial septal defect	D4-31220	C0018817
SCT	30288003	Ventricular septal defect	D4-31150	C0018818
SCT	371817007	Acute ventricular septal rupture	R-002CB	C1299445
SCT	13213009	heart disease - congenital	D4-31000	C0152021

CID 3729 Admission Status

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**

UID: **1.2.840.10008.6.1.229**

Table CID 3729. Admission Status

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR [2.0b] Equivalent
SCT	8715000	Elective	P0-10010	C0184667	17-1
SCT	50849002	Emergency Department	P0-10800	C0583237	17-2
SCT	4563007	Transfer	P0-10210	C0184681	17-3

Note

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3730 Insurance Payor

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.230**

Table CID 3730. Insurance Payor

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	18-1	Government
NCDR	2.0b	18-2	Commercial
NCDR	2.0b	18-3	Health Maintenance Organization
NCDR	2.0b	18-4	None

CID 3733 Primary Cause of Death

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.231**

Table CID 3733. Primary Cause of Death

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	25-1	Cardiac
NCDR	2.0b	25-2	Neurologic
NCDR	2.0b	25-3	Renal
NCDR	2.0b	25-4	Vascular
NCDR	2.0b	25-5	Infection
NCDR	2.0b	25-6	Pulmonary
NCDR	2.0b	25-7	Valvular
NCDR	2.0b	25-8	Other

CID 3735 Acute Coronary Syndrome Time Period

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20030327**
UID: **1.2.840.10008.6.1.232**

Table CID 3735. Acute Coronary Syndrome Time Period

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	51-1	< = 6 hours
NCDR	2.0b	51-2	between 6 hours and 24 hours
NCDR	2.0b	51-3	between 24 hours and 7 days

CID 3736 NYHA Classification

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.233**

Table CID 3736. NYHA Classification

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR [2.0b] Equivalent
SCT	420300004	NYHA Class I	F-3018B	C1319793	47-I
SCT	421704003	NYHA Class II	F-3018C	C1319794	47-II
SCT	420913000	NYHA Class III	F-3018D	C1319795	47-III
SCT	422293003	NYHA Class IV	F-3018E	C1319796	47-IV

Note

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3737 Non-invasive Test - Ischemia

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.234**

Table CID 3737. Non-invasive Test - Ischemia

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	48-1	Not Done
NCDR	2.0b	48-2	Positive
NCDR	2.0b	48-3	Negative
NCDR	2.0b	48-4	Equivocal
NCDR	2.0b	48-5	Arrhythmia

CID 3738 Pre-Cath Angina Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.235**

Table CID 3738. Pre-Cath Angina Type

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	49-I	Atypical Chest Pain
NCDR	2.0b	49-II	Stable Angina
NCDR	2.0b	49-IIIa	Acute Coronary Syndrome: Unstable Angina
NCDR	2.0b	49-IIIb	Acute Coronary Syndrome: Non ST-Elevation Myocardial Infarction
NCDR	2.0b	49-IIIc	Acute Coronary Syndrome: ST-Elevation Myocardial Infarction

CID 3739 Cath Procedure Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.236**

Table CID 3739. Cath Procedure Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR Equivalent
SCT	40403005	Catheterization of right heart	P1-31602	C0189896	54-1
SCT	67629009	Catheterization of left heart	P1-31604	C0189897	54-2
SCT	128952006	Catheterization of both left and right heart with graft	P1-3160A	C1293383	
SCT	128953001	Catheterization of both left and right heart without graft	P1-3160B	C1293384	
DCM	122061	Percutaneous Coronary Intervention			54-3

CID 3740 Thrombolytic Administration

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.237**

Table CID 3740. Thrombolytic Administration

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR Equivalent
SCT	373148008	Contraindicated	R-0037D	C1276287	57-1
SCT	371896004	Administered less than 3 hours before PCI	R-0037C	C1299365	57-2
SCT	371897008	Administered between 3 and 6 hours before PCI	R-0037A	C1299366	57-3
SCT	371906007	Administered between 6 hours and 7 days before PCI	R-0037B	C1299375	57-4

CID 3741 Medication Administration, Lab Visit

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.238**

Table CID 3741. Medication Administration, Lab Visit

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR Equivalent
SCT	373147003	Contraindicated	R-00321	C1298831	58-1
SCT	371898003	Administered before lab visit	R-0031B	C1299367	58-2
SCT	371905006	Administered during lab visit	R-0031C	C1299374	58-3
SCT	371899006	Administered after lab visit	R-0031A	C1299368	58-4

CID 3742 Medication Administration, PCI

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.239**

Table CID 3742. Medication Administration, PCI

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR Equivalent
SCT	371900001	Not Administered	R-00320	C1299369	
SCT	373147003	Contraindicated	R-00321	C1298831	59-1
SCT	371904005	Administered Prior to Percutaneous Coronary Intervention	R-0031F	C1299373	59-2
SCT	371903004	Administered During Percutaneous Coronary Intervention	R-0039A	C1299372	59-3
SCT	371902009	Administered After Percutaneous Coronary Intervention	R-00399	C1299371	59-4

CID 3743 Clopidogrel/Ticlopidine Administration

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.240**

Table CID 3743. Clopidogrel/Ticlopidine Administration

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR Equivalent
SCT	371900001	Not Administered	R-00320	C1299369	60-1
SCT	373147003	Contraindicated	R-00321	C1298831	60-2
SCT	371901002	Administered Less than 72 Hours before PCI	R-0031E	C1299370	60-3
SCT	371902009	Administered After Percutaneous Coronary Intervention	R-00399	C1299371	60-4

CID 3744 EF Testing Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.241**

Table CID 3744. EF Testing Method

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	252426003	Cardiac ventriculography	P5-3003A	C0596683
SCT	85606007	Radionuclide ventriculography	P5-D3300	C0034610
SCT	40701008	Echocardiography	P5-B3000	C0013516

Note

Previously, a non-existent SNOMED code, (P5-B3081, SRT, "Adult echocardiography"), was used in this context group. It has been replaced with the more generic (40701008, SCT, "Echocardiography") (rather than replacement with (252418006, SCT, "Transthoracic echocardiography"); see Table J-1 SNOMED Codes Retired from DICOM Use.

CID 3745 Calculation Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.242**

Table CID 3745. Calculation Method

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	414135002	Estimated	R-10260	C0750572
SCT	258090004	Calculated	R-41D2D	C0444686

CID 3746 Percutaneous Entry Site

This Context Group includes concepts for Percutaneous entry that are the most relevant children of SNOMED concept 297211001 "transvascular approach". Other concepts from that hierarchy may be used as local extensions to this Context Group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110609**
UID: **1.2.840.10008.6.1.243**

Table CID 3746. Percutaneous Entry Site

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	260590008	Via femoral artery	G-D067	C0442441
SCT	444850002	Via radial artery	G-D1E4	C2919368
SCT	260585005	Via brachial artery	G-D05F	C0442436
SCT	103387006	Via artery	G-D054	C0522522
SCT	261459001	Via arm vein	G-D0C6	C0442444
SCT	260601006	Via femoral vein	G-D071	C0442455

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	103386002	Via vein	G-D052	C0522521

Note

In prior editions, this Context Group included NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes (see PS3.16-2009).

CID 3747 Percutaneous Closure

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.244**

Table CID 3747. Percutaneous Closure

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	75-0	No closure device used at percutaneous entry
NCDR	2.0b	75-1	Percutaneous entry closed by suture
NCDR	2.0b	75-2	Percutaneous entry closed by sealant
NCDR	2.0b	75-3	Percutaneous entry closed by other mechanism

CID 3748 Angiographic EF Testing Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.245**

Table CID 3748. Angiographic EF Testing Method

Coding Scheme Designator	Code Value	Code Meaning
DCM	122059	Single plane Angiography
DCM	122060	Bi-plane Angiography

CID 3749 PCI Procedure Result

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.246**

Table CID 3749. PCI Procedure Result

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	100-1	Successful
NCDR	2.0b	100-2	Partially successful
NCDR	2.0b	100-3	Unsuccessful

CID 3750 Previously Dilated Lesion

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**

UID: **1.2.840.10008.6.1.247**

Table CID 3750. Previously Dilated Lesion

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning
NCDR	2.0b	108-0	not previously treated
NCDR	2.0b	108-1	balloon only
NCDR	2.0b	108-2	stent only
NCDR	2.0b	108-3	other/any combination

CID 3752 Guidewire Crossing

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.248**

Table CID 3752. Guidewire Crossing

Coding Scheme Designator	Code Value	Code Meaning
DCM	122301	Guidewire crossing lesion unsuccessful
DCM	122302	Guidewire crossing lesion successful

CID 3754 Vascular Complications

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180325**
UID: **1.2.840.10008.6.1.249**

Table CID 3754. Vascular Complications

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR 2.0b Equivalent Code Value
SCT	50960005	Bleeding	M-37000	C0019080	127
SCT	1386000	Occlusion of artery	D3-89100	C0151699	128
SCT	414617007	Loss of distal pulse	R-102B2	C1532146	129
SCT	710864009	Arterial dissection	D3-80086	C0002949	130
SCT	22036004	Pseudoaneurysm	M-32390	C1510412	131
SCT	128617001	AV Fistula	M-39390	C0003855	132

Note

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3755 Cath Complications

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.250**

Table CID 3755. Cath Complications

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR 2.0b Equivalent Code Value
SCT	89138009	Cardiogenic shock	D3-00200	C0036980	123
SCT	44808001	Arrhythmia	D3-30000	C0264886	124
SCT	230690007	Cerebrovascular Accident or Stroke	D3-8900D	C0038454	125
SCT	35304003	Cardiac tamponade	D3-90100	C0007177	126
SCT	292095005	Contrast media adverse reaction	DF-10781	C0569413	133
SCT	42343007	Congestive heart failure	D3-16010	C0018802	134
SCT	42399005	Renal failure	D7-11010	C0035078	135
SCT	414089002	Emergency Percutaneous Coronary Intervention	R-102B5	C1532297	136
SCT	414088005	Emergency Coronary Artery Bypass	R-102B3	C1532296	137
SCT	410429000	Cardiac arrest	D3-3002F	C0018790	

Note

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3756 Cardiac Patient Risk Factors

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.251**

Table CID 3756. Cardiac Patient Risk Factors

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR 2.0b Equivalent Code Value
SCT	161505003	History of congestive heart failure	G-026D	C0455531	30
SCT	161445009	History of Diabetes	G-023F	C0455488	31
SCT	414417004	History of renal failure	R-102B6	C1533077	32
SCT	414415007	History of chronic lung disease	R-102B7	C1533075	33
SCT	308064009	History of cerebrovascular disease	G-0102	C0585890	34
SCT	400047006	Peripheral vascular disease	D3-8005B	C0085096	35
SCT	399211009	History of myocardial infarction	G-03AA	C1275835	36
SCT	161501007	History of Hypertension	G-0269	C0455527	37
SCT	414416008	History of hypercholesterolemia	R-102B8	C1533076	39
SCT	44808001	Arrhythmia	D3-30000	C0264886	
SCT	165816005	HIV Positive	F-0331B	C0019699	

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	NCDR 2.0b Equivalent Code Value
UMLS	C0456029	Infant of mother with gestational diabetes		C0456029	
SCT	444161008	Insulin dependent mother (IDM)	G-0586	C2732238	

Note

In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

CID 3757 Cardiac Diagnostic Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.252**

Table CID 3757. Cardiac Diagnostic Procedures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	35621002	Cardiac blood pool imaging (nuclear)	P5-D3304	C0203725
SCT	418903008	Cardiac cath coronary angiogram and left ventriculogram	P5-00A25	C1690980
SCT	41976001	Cardiac catheterization	P1-31600	C0018795
SCT	419416005	Cardiac catheterization coronary angiogram	P5-00A34	C1633729
SCT	241547009	Cardiac CT	P5-08025	C0412618
SCT	426005005	Cardiac CT for calcium scoring	P5-080C2	C1960839
SCT	241620005	Cardiac MRI	P5-09011	C0412692
SCT	431609005	Cardiac MRI stress	P0-00CA7	C2314961
SCT	419545005	CT angiography of coronary arteries	P5-00A5C	C1634617
SCT	40701008	Echocardiography	P5-B3000	C0013516
SCT	433233004	Exercise Stress echocardiography	P5-B3050	C0430466
SCT	165079009	Exercise Tolerance Test	P0-006E4	C0015260
SCT	241663008	Magnetic resonance angiography	P5-0903A	C0243032
SCT	108294005	Nuclear medicine cardiovascular study	P5-D30F8	C0581579
SCT	35202002	Perfusion imaging (nuclear)	P5-D0050	C0412366
SCT	241439007	PET heart study	P5-0A006	C0412498
SCT	428813002	Pharmacologic and exercise stress test	P2-31011	C1998158
SCT	424064009	Pharmacological stress test	P2-31107	C1827946
SCT	426940008	Radionuclide angiocardiography	P5-30045	C1960212
SCT	252432008	Radionuclide myocardial perfusion study	P5-D3008	C0430471
SCT	105371005	SPECT	P5-0A100	C0040399
SCT	428685003	Stress test using cardiac pacing	P2-3110B	C1997441

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	105376000	Transesophageal echocardiography	P5-B3002	C0206054
SCT	433236007	Transthoracic echocardiography	P5-B3012	C0430462

Note

In a prior version of this Context Group, the code P5-B3009 was specified for Exercise stress echocardiography. That code has been retired by SNOMED, and replaced by P5-B3050. Although there is minimal possibility of misinterpretation with SOP Instances that may include the retired code, receiving applications should be aware of this change; see Annex J.

CID 3758 Cardiovascular Family History

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20111028**
UID: **1.2.840.10008.6.1.253**

Table CID 3758. Cardiovascular Family History

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	266894000	Family history of cardiovascular disease	G-032F	C0455404
SCT	160303001	Family history of diabetes mellitus	G-0157	C1313937
SCT	266897007	Family history of myocardial infarction	G-011E	C0455406
SCT	430091005	Family history of coronary arteriosclerosis	G-04E3	C2317524
SCT	160274005	No family history of diabetes	R-2087E	C0455678
SCT	160270001	No family history of cardiovascular disease	R-20773	C0455346
SCT	407559004	Family history unknown	F-03F6E	C1319897

CID 3760 Hypertension Therapy

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.254**

Table CID 3760. Hypertension Therapy

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	33252009	Beta blocker	C-80135	C0001645
SCT	48698004	Calcium channel blocker	C-80160	C0006684
SCT	31970009	Nitrate vasodilator	C-81520	C0360716
SCT	41549009	ACE inhibitor	C-80150	C0003015
SCT	96308008	Angiotensin II receptor antagonist	C-81300	C0521942
SCT	30492008	Diuretic	C-72000	C0012798

CID 3761 Antilipemic Agents

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.255**

Table CID 3761. Antilipemic Agents

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	346322006	Anion exchange resin	C-80609	C0003072
SCT	83750004	Bile acid sequestrant	C-80610	C0304522
SCT	108602006	Fibrate	C-80680	C0358700
SCT	346441008	Fish oils	C-8060A	C0016157
SCT	96302009	Statins	C-80800	C0360714

CID 3762 Antiarrhythmic Agents

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.256**

Table CID 3762. Antiarrhythmic Agents

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373260001	class I antiarrhythmic agent	F-6181B	C0360692
SCT	373278006	class II antiarrhythmic agent	F-61861	C0360701
SCT	372855004	class III antiarrhythmic agent	F-61995	C0360703
SCT	372693007	class IV antiarrhythmic agent	F-618AE	C0360706

CID 3764 Myocardial Infarction Therapies

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.257**

Table CID 3764. Myocardial Infarction Therapies

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	415070008	Percutaneous coronary intervention	R-102B4	C1532338
SCT	36969009	Insertion of coronary artery stent	P1-33530	C0521232
SCT	232717009	Coronary artery bypass graft	P1-3301A	C0010055
SCT	426347000	Thrombolytic therapy	P0-00C29	C0040044

CID 3769 Concern Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20070827**
UID: **1.2.840.10008.6.1.258**

Table CID 3769. Concern Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	409586006	Complaint	F-04BA9	C0277786
SCT	64572001	Disease	DF-00000	C0012634
SCT	404684003	Finding	R-005AE	C0037088
SCT	418799008	Finding reported by patient/informant	R-005E0	C1689949
SCT	248536006	Functional performance and activity	F-03E55	C0424866
SCT	55607006	Problem	F-01000	C0033213

CID 3770 Problem Status

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.259**

Table CID 3770. Problem Status

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	394774009	Active problem	R-42501	C1273826
SCT	90734009	Chronic	G-A270	C0205191
SCT	7087005	Intermittent	G-A397	C0205267
SCT	255227004	Recurrent	G-A39A	C2945760
SCT	415684004	Suspected	G-A47B	C0750491
SCT	394775005	Inactive problem	R-42502	C1273827
SCT	413322009	Problem resolved	F-04B88	C1446392
SCT	410516002	Known absent	G-A46B	C1444640
SCT	1194003	Well controlled	P0-30450	C0184778

CID 3772 Health Status

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190125**
UID: **1.2.840.10008.6.1.260**

Table CID 3772. Health Status

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	438949009	Alive	F-05036	C2584946
SCT	81323004	Alive and well	F-00001	C0231162
SCT	313386006	In remission	F-029D4	C1277626
SCT	162467007	Symptom free	R-209F6	C0436342

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	161901003	Chronically ill	F-0600C	C0581862
SCT	271593001	Severely ill	F-06001	C0424547
SCT	21134002	Disabled	F-00100	C0231170
SCT	161045001	Severely disabled	F-0351E	C0424990
SCT	419099009	Deceased	F-04DA1	C1546956
SCT	399307001	Lost to follow-up	F-00FBE	C1302313

CID 3773 Use Status

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.261**

Table CID 3773. Use Status

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	385656004	Ended	G-D316	C1272693
SCT	385655000	Suspended	G-D30F	C1705537
SCT	385651009	In progress	G-D30B	C1272688

CID 3774 Social History

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.262**

Table CID 3774. Social History

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	365981007	Tobacco Smoking Behavior	F-93109	C0453996
SCT	228366006	Drug misuse behavior	F-931D4	C0556386
SCT	256235009	Exercise	R-40C16	C0015259
SCT	364393001	Nutrition	F-045CE	C1286103
SCT	160573003	Alcohol consumption	F-02573	C0001948

CID 3777 Implanted Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.263**

Table CID 3777. Implanted Devices

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	14106009	Cardiac pacemaker	A-11100	C0030163

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	72506001	Implantable defibrillator	A-11206	C0162589
SCT	360066001	Left ventricular assist device	A-11FCD	C0181598
SCT	69805005	Insulin pump	A-28040	C1140609

CID 3778 Stages

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20081027**
UID: **1.2.840.10008.6.1.638**

Table CID 3778. Stages

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	261613009	Stage 0	R-41177	C0441763
SCT	258215001	Stage 1	R-41DA8	C0441766
SCT	258219007	Stage 2	R-41DAC	C0441767
SCT	258224005	Stage 3	R-41DB0	C0441771
SCT	258228008	Stage 4	R-41DB4	C0441772
SCT	261617005	Stage 5	R-4117B	C0441777

CID 3802 Plaque Structures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.264**

Table CID 3802. Plaque Structures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255423002	fibrous	R-40448	C0439709
SCT	29185008	fatty degeneration	M-50080	C0152254
SCT	18115005	pathologic calcification	M-55420	C0006663
SCT	76197007	hyperplasia	M-72000	C0020507
SCT	17589002	non-calcified	G-A265	C0332209
SCT	26242008	mixed	G-A660	C0205430

CID 3804 Stenosis Measurement Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.265**

Table CID 3804. Stenosis Measurement Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	122655	NASCET

Coding Scheme Designator	Code Value	Code Meaning
DCM	122656	ECST
DCM	122650	Area Based Method
DCM	122651	Diameter Based Method

CID 3805 Stenosis Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.266**

Table CID 3805. Stenosis Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	72092001	arteriosclerotic vascular disease	D3-81100	C0003850
SCT	71173004	compression	M-01460	C0332459
SCT	255423002	fibrous	R-40448	C0439709
SCT	195295006	Raynaud's disease	D3-80505	C0034734
SCT	363563002	entrapment	M-300F2	C1285497
SCT	31996006	vasculitis	D3-80650	C0042384
SCT	264579008	thrombosis	R-423C3	C0040053
SCT	55584005	embolism	M-35300	C1704212
SCT	234021009	cystic adventitial disease	D3-80033	C1306656

CID 3806 Stenosis Shape

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.267**

Table CID 3806. Stenosis Shape

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255465008	concentric	R-4047B	C0439744
SCT	255380003	eccentric	R-40416	C0439740

CID 3807 Volume Measurement Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.268**

Table CID 3807. Volume Measurement Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	122650	Area Based Method
DCM	122651	Diameter Based Method

Coding Scheme Designator	Code Value	Code Meaning
DCM	122652	Volume Based Method

CID 3808 Aneurysm Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180325**
UID: **1.2.840.10008.6.1.269**

Table CID 3808. Aneurysm Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	710864009	dissecting aneurysm	D3-80086	C0020449
SCT	314186008	inflammatory abdominal aortic aneurysm	D3-83602	C1279376
SCT	22039006	ruptured aneurysm	M-32201	C0162869
SCT	85726003	mixed aneurysm	M-32240	C0333093
SCT	14156004	racemose aneurysm	M-32410	C0334533
SCT	233982006	cirsoid aneurysm	D3-80002	C0334533
SCT	51668007	mycotic aneurysm	M-32320	C0085808
SCT	43299000	miliary aneurysm	M-32310	C0333097
SCT	54002007	saccular aneurysm	M-32340	C2713497
SCT	57754000	varicose aneurysm	M-32221	C0333091
SCT	85431000	fusiform aneurysm	M-32350	C0333099
SCT	110421000	traumatic aneurysm	M-32210	C1527161
SCT	125271003	thrombosed aneurysm	M-32202	C1265766
SCT	125272005	expanding aneurysm	M-32203	C1265767
SCT	125273000	calcified aneurysm	M-32204	C1265768
SCT	125274006	multiple aneurysm	M-32208	C1265769
SCT	52856002	cylindroid aneurysm	M-32360	C0333100
SCT	70984001	serpentine aneurysm	M-32260	C0333095

CID 3809 Associated Conditions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.270**

Table CID 3809. Associated Conditions

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	19346006	Marfan's Syndrome	D6-90800	C0024796
SCT	19130008	Traumatic Abnormality	M-10000	C0221206

CID 3810 Vascular Morphology

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20180325**
UID: **1.2.840.10008.6.1.271**

Table CID 3810. Vascular Morphology

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	1522000	plaque	M-01470	C0332461
SCT	415582006	stenosis	M-3400A	C0009814
SCT	85659009	aneurysm	M-32200	C0002940
SCT	710864009	arterial dissection	D3-80086	C0002949
SCT	65818007	stent	A-25500	C0038257
SCT	26036001	occlusion	M-34000	C0028778
SCT	128617001	arteriovenous fistula	M-39390	C0003855
SCT	2099007	angioma	M-91200	C0018916
SCT	25322007	dilatation	M-32000	C0012359
SCT	416061003	vascular coiling	R-FAB5E	C1562399
SCT	15690004	tortuosity	M-31790	C0333076
SCT	31113003	diverticulum	M-32700	C0012817
SCT	107671003	vascular sclerosis	M-520F8	C0003850
SCT	396339007	thrombus	M-35001	C0087086
SCT	22036004	pseudoaneurysm	M-32390	C1510412
SCT	55584005	embolism	M-35300	C1704212
SCT	31653004	fibromuscular dysplasia	M-74880	C0016052

CID 3813 Stent Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.272**

Table CID 3813. Stent Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	55199003	hypoplasia	M-75300	C0243069
SCT	415582006	stenosis	M-3400A	C0009814
DCM	122680	endoleak		
SCT	370512004	migration of implant or internal device	DD-661D2	C1299914
DCM	122684	stent disintegration		
DCM	122683	stent fracture		

CID 3814 Stent Composition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**

UID: **1.2.840.10008.6.1.273**

Table CID 3814. Stent Composition

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	257363003	metal stent	A-25502	C0441290
SCT	257362008	plastic stent	A-25501	C0441289

CID 3815 Source of Vascular Finding

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.274**

Table CID 3815. Source of Vascular Finding

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	118927008	thrombosis	D3-80515	C0040053
SCT	55584005	embolism	M-35300	C1704212
SCT	76197007	hyperplasia	M-72000	C0020507
SCT	31996006	vasculitis	D3-80650	C0042384
SCT	108369006	tumor	M-8FFFF	C0027651
SCT	417746004	trauma	DF-00777	C3263723
SCT	83578000	surgical	G-B102	C0543467
SCT	303110006	after procedure	R-422A4	C0580203

CID 3817 Vascular Sclerosis Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.275**

Table CID 3817. Vascular Sclerosis Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	47631006	adventitial degeneration	M-52450	C0333493
SCT	32651000	arteriosclerosis with fibrinoid necrosis	M-52210	C0333487
SCT	17941002	arteriolosclerosis	M-52200	C0333486
SCT	28960008	arteriosclerosis	M-52000	C0003850
SCT	48434008	atheroma	M-52100	C0264956
SCT	20717008	atherosclerotic fibrous plaque	M-52120	C0333483
SCT	29483008	calcified atheromatous plaque	M-52101	C0333479
SCT	74937006	complicated atheromatous plaque	M-52102	C0333480
SCT	42182000	cystic medical necrosis	M-52470	C0392775
SCT	19952003	elastic vascular sclerosis	M-52240	C0333488

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	53151000	fatty streaks	M-52130	C0333484
SCT	72166006	fibroelastosis	M-52300	C0016038
SCT	125358004	diffuse fibroelastosis	M-52302	C1265866
SCT	125357009	focal fibroelastosis	M-52301	C1265865
SCT	18016009	phlebosclerosis	M-52500	C0333494
SCT	62189002	ulcerated atheromatous plaque	M-52103	C0333481
SCT	33593002	vascular wall degeneration	M-52400	C0333489

CID 3820 Non-invasive Vascular Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.276**

Table CID 3820. Non-invasive Vascular Procedures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	241663008	vascular MRI	P5-0903A	C0243032
SCT	241620005	cardiac MRI	P5-09011	C0412692
SCT	303680000	cardiovascular CT	P5-0807F	C0581427
SCT	241553009	CT of abdominal aorta	P5-0802B	C0412626
SCT	303827001	trunk angiography	P5-00A0D	C0565173
SCT	271993009	peripheral angiography	P5-009BF	C0412290

CID 3821 Papillary Muscle Included/Excluded

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.277**

Table CID 3821. Papillary Muscle Included/Excluded

Coding Scheme Designator	Code Value	Code Meaning
DCM	122620	Papillary Muscle Excluded
DCM	122621	Papillary Muscle Included

CID 3823 Respiratory Status

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.278**

Table CID 3823. Respiratory Status

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	14910006	inspiration	F-20010	C0004048

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	58322009	expiration	F-20020	C0231800
SCT	45804006	autonomous breathing	F-20030	C0231802
SCT	261039008	Valsalva maneuver	R-40928	C0042293
DCM	122612	central breathing position		
SCT	386616007	shallow breathing	F-201BD	C0221161

CID 3826 Heart Rhythm

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.279**

Table CID 3826. Heart Rhythm

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	64730000	normal sinus rhythm	F-33300	C0232202
SCT	17366009	atrial arrhythmia	D3-31500	C0085611
SCT	44103008	ventricular arrhythmia	D3-31715	C0085612

CID 3827 Vessel Segments

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.280**

Table CID 3827. Vessel Segments

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12105 “Intracranial Cerebral Vessels”		
Include CID 12106 “Intracranial Cerebral Vessels (Unilateral)”		
Include CID 12104 “Extracranial Arteries”		
Include CID 12109 “Lower Extremity Arteries”		
Include CID 12110 “Lower Extremity Veins”		
Include CID 12107 “Upper Extremity Arteries”		
Include CID 12108 “Upper Extremity Veins”		
Include CID 12115 “Renal Vessels”		
Include CID 12111 “Abdominal Arteries (Lateral)”		
Include CID 12112 “Abdominal Arteries (Unilateral)”		
Include CID 12113 “Abdominal Veins (Lateral)”		
Include CID 12114 “Abdominal Veins (Unilateral)”		
Include CID 3015 “Coronary Arteries”		
Include CID 3839 “Coronary Veins”		
Include CID 3840 “Pulmonary Veins”		

CID 3829 Pulmonary Arteries

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110818**
UID: **1.2.840.10008.6.1.281**

Table CID 3829. Pulmonary Arteries

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	45341000	Trunk of pulmonary artery	T-44100	C0034052
SCT	79142001	Suprapulmonic valve area	T-44010	C0226052
SCT	90315007	pulmonary valve sinuses	T-35250	C0225946
SCT	50408007	Left pulmonary artery	T-44400	C0226069
SCT	78480002	Right pulmonary artery	T-44200	C0226054

Note

A previous version of this context group used terms with the SNOMED concept "entire" (see PS3.16-2011). The use of "structure" concepts rather than "entire" is described in Section 8.1.1.

CID 3831 Stenosis Length

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.282**

Table CID 3831. Stenosis Length

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255511005	long	R-404AC	C0205166
SCT	367450005	short	R-4235F	C1806781

CID 3832 Stenosis Grade

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.283**

Table CID 3832. Stenosis Grade

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	24484000	severe	G-A003	C0205082
SCT	6736007	moderate	G-A002	C0205081
SCT	255604002	mild	R-404FA	C2945599

CID 3833 Cardiac Ejection Fraction

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**

UID: **1.2.840.10008.6.1.284**

Table CID 3833. Cardiac Ejection Fraction

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	8810-4	Left ventricular ejection fraction by CT	C0488725
LN	8817-9	Right ventricular ejection fraction by CT	C0488733
LN	8811-2	Left ventricular ejection fraction by MR	C0488726
LN	8818-7	Right ventricular ejection fraction by MR	C0488734

CID 3835 Cardiac Volume Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.285**

Table CID 3835. Cardiac Volume Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Equivalent LOINC Code Value
Include CID 3468 “ED Volume”					
Include CID 3469 “ES Volume”					
SCT	90096001	Stroke Volume	F-32120	C0038455	20562-5

CID 3836 Time-based Perfusion Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.286**

Table CID 3836. Time-based Perfusion Measurements

Coding Scheme Designator	Code Value	Code Meaning
DCM	122631	Signal Earliest Peak Time
DCM	122633	Signal Increase Start Time
DCM	122634	Signal Time to Peak
DCM	122638	Signal Baseline Start
DCM	122639	Signal Baseline End

CID 3837 Fiducial Feature

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.287**

Table CID 3837. Fiducial Feature

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	264114003	Ostium	R-4215C	C0444567

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	2841007	Renal Artery	T-46600	C0035065
SCT	73166001	Aortic Bifurcation	T-42580	C0226027
SCT	413896006	Common Iliac Bifurcation	R-10258	C1531837

CID 3838 Diameter Derivation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.288**

Table CID 3838. Diameter Derivation

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 3488 “Min/Max/Mean”				
SCT	62824007	Transverse	G-A117	C0205106
DCM	122675	Anterior-Posterior		

CID 3839 Coronary Veins

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110818**
UID: **1.2.840.10008.6.1.289**

Table CID 3839. Coronary Veins

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	72107004	Azygos Vein	T-48340	C0004526
SCT	90219004	Coronary Sinus	T-48410	C0456944
SCT	5928000	Great Cardiac Vein	T-48420	C0226659
SCT	49082002	Small Cardiac Vein	T-48435	C0226661
SCT	194996006	Anterior Cardiac Vein	T-48403	C0226662
SCT	195164009	Atrial Vein	T-48406	C0226666
SCT	195496005	Atrioventricular Vein	T-48407	C0226668
SCT	73580002	Middle Cardiac Vein	T-48430	C0226660
SCT	195328002	Ventricular Vein	T-48404	C0226667
SCT	195073003	Smallest Cardiac Vein	T-48405	C1279372

Note

A previous version of this context group used terms with the SNOMED concept "entire" (see PS3.16-2011). The use of "structure" concepts rather than "entire" is described in Section 8.1.1.

CID 3840 Pulmonary Veins

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110818**

UID: **1.2.840.10008.6.1.290**

Table CID 3840. Pulmonary Veins

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	430757002	Pulmonary Vein	T-4858F	C2317442
SCT	27706005	Left Pulmonary Vein	T-48502	C0226670
SCT	51249003	Inferior Left Pulmonary Vein	T-48540	C0226686
SCT	43863001	Superior Left Pulmonary Vein	T-48530	C0226682
SCT	91539005	Right Pulmonary Vein	T-48501	C0226669
SCT	113273001	Inferior Right Pulmonary Vein	T-48520	C0226676
SCT	8629005	Superior Right Pulmonary Vein	T-48510	C0226671

Note

A previous version of this context group used terms with the SNOMED concept "entire" (see PS3.16-2011). The use of "structure" concepts rather than "entire" is described in Section 8.1.1.

CID 3843 Myocardial Subsegment

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051103**
UID: **1.2.840.10008.6.1.291**

Table CID 3843. Myocardial Subsegment

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	304059001	endocardial	R-427E6	C0014124
SCT	261073003	epicardial	R-40940	C0442016

CID 3850 Contrast Bolus Substance

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110609**
UID: **1.2.840.10008.6.1.934**

Table CID 3850. Contrast Bolus Substance

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Trade Name (Informative)
SCT	13132007	Dextran	C-A7220	C0086140	
SCT	262003004	Saline	C-70841	C0445115	
SCT	347379006	Lactated Ringer's	C-70434	C0073385	
Include CID 12 “Radiographic Contrast Agent”					

Note

Trade names are from http://www.accessdata.fda.gov/scripts/cder/drugsatfda/index.cfm.

CID 4005 Partial View Section for Mammography

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.292**

Table CID 4005. Partial View Section for Mammography

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255549009	Anterior	R-404CC	C0205094
SCT	255551008	Posterior	R-404CE	C0205095
SCT	264217000	Superior	R-42191	C1282910
SCT	261089000	Inferior	R-4094A	C0542339
SCT	255561001	Medial	R-404D5	C0205098
SCT	49370004	Lateral	G-A104	C0205093
SCT	26216008	Central	G-A110	C0205099

CID 4009 DX Anatomy Imaged

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040114**
UID: **1.2.840.10008.6.1.293**

Table CID 4009. DX Anatomy Imaged

Coding Scheme Designator	Code Value	Code Meaning
Include CID 4031 “Common Anatomic Regions”		

CID 4010 DX View

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.294**

Table CID 4010. DX View

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399033003	frontal	R-10202	C0442223
SCT	399160007	frontal oblique	R-10204	C1302231
SCT	399348003	antero-posterior	R-10206	C0442212
SCT	399312000	antero-posterior oblique	R-10208	C1302318
SCT	399038007	right posterior oblique	R-10210	C1275807
SCT	399006002	left posterior oblique	R-10212	C1275802
SCT	272479007	postero-anterior	R-40888	C0457409
SCT	399059000	postero-anterior oblique	R-10216	C1275812
SCT	399356000	right anterior oblique	R-40985	C1275852
SCT	399135007	left anterior oblique	R-10220	C1275823

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	30730003	sagittal	G-A145	C0205129
SCT	399260004	medial-lateral	R-10224	C1302283
SCT	260427002	lateral oblique	R-40783	C0442295
SCT	399352003	lateral-medial	R-10228	C1302336
SCT	260426006	medial oblique	R-40782	C0442294
SCT	399198007	right lateral	R-10232	C0442202
SCT	399236003	right oblique	R-10234	C0442291
SCT	399173006	left lateral	R-10236	C0442198
SCT	399184004	left oblique	R-10238	C0442288
SCT	399061009	axial	R-10241	C0442269
SCT	399162004	cranio-caudal	R-10242	C0442215
SCT	399196006	caudo-cranial	R-10244	C1302249
SCT	399004004	oblique axial	R-10246	C1302164
SCT	399288005	oblique cranio-caudal	R-10248	C1302302
SCT	399225005	oblique caudo-cranial	R-10250	C1302262
SCT	399132005	frontal-oblique axial	R-10252	C1275822
SCT	399325008	sagittal-oblique axial	R-10254	C1275850
SCT	399182000	oblique	R-102C1	C0442287
SCT	399067008	lateral	R-102CD	C0442197
SCT	399110001	tangential	R-102C2	C0442227
SCT	399255003	submentovertical	R-10256	C0442244
SCT	399360002	verticosubmental	R-10257	C1302340
SCT	399071006	plantodorsal	R-102C3	C1302192
SCT	399335002	dorsoplantar	R-102C4	C1302328
SCT	399272005	parietoacanthial	R-102C5	C1302290
SCT	399242004	acanthioparietal	R-102C6	C1302273
SCT	399351005	orbitoparietal	R-102C7	C1302335
SCT	399316002	parieto-orbital	R-102C8	C1302320
SCT	399099002	latero-medial oblique	R-10230	C1302201
SCT	399368009	medio-lateral oblique	R-10226	C1302345
SCT	119376003	tissue specimen	G-8300	C1292533
SCT	260499007	Occlusal projection	R-40810	C0442276

Note

1. In a prior version of this Context Group, Lateral Oblique was assigned the code R-10226, and Medial Oblique was assigned the code R-10230, as synonymous with Medio-Lateral Oblique and Latero-Medial Oblique, respectively. SNOMED currently distinguishes between LO and MLO, and between MO and LMO, although in most radiography contexts there is no practical distinction. Receiving applications should be aware that they may receive SOP Instances with the prior code assignments.

2. In a prior version of this Context Group, "right anterior oblique" was assigned the code R-10218, which in SNOMED is actually "Indirect iris transillumination"; this code has been replaced with the correct code R-40985.

3. In a prior version of this Context Group, a concept of "sagittal" was present with a code of R-10222, which in SNOMED is actually "Trypan blue"; this code has been replaced with the general SNOMED qualifier concept G-A145.

CID 4011 DX View Modifier

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070524**
UID: **1.2.840.10008.6.1.295**

Table CID 4011. DX View Modifier

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399196006	cephalad	R-10244	C1302249
SCT	399162004	caudad	R-10242	C0442215
SCT	272476000	transthoracic	R-40885	C0442285
SCT	272466003	transforamenal	R-4087B	C0442259
SCT	118438002	transoral	G-D00B	C0442366
SCT	278318001	transorbital	R-40554	C0457460
DCM	111069	Crosstable		
SCT	286866000	Mouth closed	R-421A4	C0564684

Note

In a prior version of this Context Group, the codes R-102C9, R-102CA, R-102CB, R-102CC, and R-102CE were specified for various concepts. Those codes are not actually in SNOMED, and their use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 4012 Projection Eponymous Name

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.296**

Table CID 4012. Projection Eponymous Name

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399142007	Albers-Schonberg	R-10261	C1302223
SCT	399237007	Alexander	R-10262	C1302270
SCT	422670003	Apple	R-40A88	C1827705
SCT	399218003	Arcelin	R-10263	C1302258
SCT	399263002	Beclere	R-10264	C1302284
SCT	399362005	Bertel	R-10265	C1302341
SCT	399246001	Blackett-Healy	R-10266	C1302276
SCT	260492003	Brewerton projection	R-40809	C0442271
SCT	399344001	Broden	R-10267	C1302332
SCT	422861003	Burman	R-40A89	C1828171
SCT	399278009	Cahoon	R-10268	C1302294

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399358004	Caldwell	R-10269	C0442264
SCT	399212002	Camp-Coventry	R-1026A	C1302254
SCT	399065000	Causton	R-1026B	C1302190
SCT	399148006	Chamberlain	R-1026C	C1302226
SCT	399013002	Chassard-Lapine	R-1026D	C1302168
SCT	399355001	Chausse	R-1026E	C1302338
SCT	399245002	Cleaves	R-1026F	C1302275
SCT	399028002	Clements	R-10270	C1302177
SCT	399320003	Clements-Nakayama	R-10271	C1302322
SCT	423091003	Colcher-Sussman	R-40A8A	C1827227
SCT	424811006	Danelius-Miller	R-40A8B	C1828231
SCT	399303002	Dunlap	R-10272	C1302310
SCT	424655003	Eraso Modification	R-40A8F	C1827856
SCT	399372008	Ferguson	R-10273	C1302349
SCT	424962005	Fisk	R-40A8C	C1827093
SCT	399281004	Fleischner	R-10274	C1302296
SCT	425157002	Folio	R-40A8D	C1827491
SCT	399103007	Friedman	R-10275	C1302203
SCT	399073009	Fuchs	R-10276	C1302193
SCT	425188003	Garth	R-40A8E	C1827580
SCT	399082003	Gaynor-Hart	R-10277	C1302196
SCT	399311007	Grandy	R-10278	C1302317
SCT	399146005	Grashey	R-10279	C1302225
SCT	399341009	Haas	R-1027A	C1302330
SCT	260493008	Harris Beath axial projection	R-4080A	C0442308
SCT	399199004	Henschen	R-1027B	C1302250
SCT	399277004	Hickey	R-1027C	C1302293
SCT	424086005	Hirtz Modification	R-40A90	C1828045
SCT	399129007	Holly	R-1027D	C1302216
SCT	399285008	Holmblad	R-1027E	C1302300
SCT	399168000	Hough	R-1027F	C1302236
SCT	399083008	Hsieh	R-10280	C1302197
SCT	399003005	Hughston	R-10281	C1302163
SCT	399025004	Isherwood	R-10282	C0456593
SCT	399201002	Judd	R-10283	C1302252
SCT	260496000	Judet projection	R-4080D	C0442309
SCT	399152006	Kandel	R-10284	C1302227
SCT	399280003	Kasabach	R-10285	C1302295
SCT	399227002	Kemp Harper	R-10286	C1302263
SCT	425030002	Kite	R-40A91	C1827203

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399318001	Kovacs	R-10287	C1302321
SCT	399080006	Kuchendorf	R-10288	C1302195
SCT	399332004	Kurzbauer	R-10289	C1302327
SCT	399156009	Laquerriere-Pierquin	R-1028A	C1302230
SCT	399169008	Lauenstein	R-1028B	C1302237
SCT	399206007	Law	R-1028C	C1302253
SCT	399179005	Lawrence	R-1028D	C1302241
SCT	398996004	Leonard-George	R-1028E	C1302159
SCT	399037002	Lewis	R-1028F	C1302179
SCT	399342002	Lilienfeld	R-10290	C1302331
SCT	399308006	Lindblom	R-10291	C1302314
SCT	399251007	Lorenz	R-10292	C1302279
SCT	399327000	Low-Beer	R-10293	C1302324
SCT	399370000	Lysholm	R-10294	C1302347
SCT	399024000	May	R-10295	C1302174
SCT	399000008	Mayer	R-10296	C1302161
SCT	399284007	Merchant	R-10297	C1302299
SCT	399005003	Miller	R-10298	C1302165
SCT	422568001	Moore	R-40A92	C1827499
SCT	260497009	Mortice projection	R-4080E	C0442274
SCT	422795009	Neer	R-40A93	C1828002
SCT	399002000	Nolke	R-10299	C1302162
SCT	399157000	Norgaard	R-1029A	C0442275
SCT	399171008	Ottonello	R-1029B	C1302238
SCT	399181007	Pawlow	R-1029C	C1302242
SCT	399365007	Pearson	R-1029D	C1302342
SCT	399138009	Penner	R-1029E	C1302221
SCT	399022001	Pirie	R-1029F	C1302172
SCT	423720000	Rafert	R-40A94	C1827152
SCT	422534007	Rafert-Long	R-40A95	C1827402
SCT	399234000	Rhese	R-102A0	C1302268
SCT	425035007	Robert	R-40A96	C1827274
SCT	425042007	Rosenberg	R-40A97	C1827277
SCT	399290006	Schuller	R-102A1	C1302303
SCT	399243009	Settegast	R-102A2	C1302274
SCT	399098005	Staunig	R-102A3	C1302200
SCT	399292003	Stecher	R-102A4	C1302304
SCT	399349006	Stenvers	R-102A5	C0442232
SCT	422954003	Stryker	R-40A98	C1828322
SCT	399313005	Swanson	R-102A6	C1302319
SCT	399247005	Tarrant	R-102A7	C1302277

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399296000	Taylor	R-102A8	C1302307
SCT	399127009	Teufel	R-102A9	C1302215
SCT	399241006	Titterington	R-102AA	C1302272
SCT	399270002	Towne	R-102AB	C0442265
SCT	399125001	Twining	R-102AC	C1302214
SCT	399330007	Valdini	R-102AD	C1302326
SCT	260506009	Van Rosen projection	R-40816	C0442286
SCT	260473000	Waters	R-407B0	C0442243
SCT	399130002	West Point	R-102AF	C1302217
SCT	399215000	Wigby-Taylor	R-102B0	C1302257
SCT	422996004	Wolf	R-40A99	C1828400
SCT	399026003	Zanelli	R-102B1	C1302175

CID 4013 Anatomic Region for Mammography

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.297**

Table CID 4013. Anatomic Region for Mammography

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	76752008	Breast	T-04000	C0006141

CID 4014 View for Mammography

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20090717**
UID: **1.2.840.10008.6.1.298**

Table CID 4014. View for Mammography

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	ACR MQCM 1999 Equivalent
SCT	399260004	medio-lateral	R-10224	C1302283	ML
SCT	399368009	medio-lateral oblique	R-10226	C1302345	MLO
SCT	399352003	latero-medial	R-10228	C1302336	LM
SCT	399099002	latero-medial oblique	R-10230	C1302201	LMO
SCT	399162004	cranio-caudal	R-10242	C0442215	CC
SCT	399196006	caudo-cranial (from below)	R-10244	C1302249	FB
SCT	399188001	superolateral to inferomedial oblique	R-102D0	C1302245	SIO
SCT	441555000	inferomedial to superolateral oblique	R-40AAA	C2711617	ISO

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	ACR MQCM 1999 Equivalent
SCT	399192008	cranio-caudal exaggerated laterally	R-1024A	C1302247	XCCL
SCT	399101009	cranio-caudal exaggerated medially	R-1024B	C1302202	XCCM
SCT	127457009	tissue specimen from breast	G-8310	C0444070	

Note

1. In a prior version of this Context Group, Cranio-Caudal Exaggerated Laterally was assigned the code Y-X1770, and Cranio-Caudal Exaggerated Medially was assigned the code Y-X1771. Those codes are deprecated, as they are not valid SNOMED codes. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated codes, receiving applications should be aware of this change; see Annex J.

2. In a prior version of this Context Group, (399265009, SCT, "cranio-caudal exaggerated") was included. This is not a clinically applied view. Use of this term is deprecated, but receiving applications should be aware of its prior existence.

CID 4015 View Modifier for Mammography

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20090717**
UID: **1.2.840.10008.6.1.299**

Table CID 4015. View Modifier for Mammography

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Applies only when View ACR MQCM 1999 Equivalent is:	ACR MQCM 1999 Equivalent
SCT	399161006	Cleavage	R-102D2	C1302232	CC or FB	CV
SCT	399011000	Axillary Tail	R-102D1	C1302167	MLO	AT
SCT	399197002	Rolled Lateral	R-102D3	C1275832	any	...RL
SCT	399226006	Rolled Medial	R-102D4	C1275838	any	...RM
SCT	414493004	Rolled Inferior	R-102CA	C1532323	any	...RI
SCT	415670009	Rolled Superior	R-102C9	C1531911	any	...RS
SCT	399209000	Implant Displaced	R-102D5	C1275834	any	...ID
SCT	399163009	Magnification	R-102D6	C1302233	any	M...
SCT	399055006	Spot Compression	R-102D7	C1302185	any	S...
SCT	399110001	Tangential	R-102C2	C0442227	any	TAN
SCT	442581004	Nipple in profile	R-40AB3	C2711408	any	...NP
SCT	441752004	Anterior compression	P2-00161	C2711933	any	...AC
SCT	442593008	Infra-mammary fold	R-40ABE	C2711136	any	...IMF
SCT	442580003	Axillary tissue	R-40AB2	C2711122	any	...AX

Note

1. The View ACR MQCM 1999 Equivalent is defined in CID 4014 “View for Mammography”.

2. Some applications and View Modifier ACR MQCM 1999 equivalents have been extended by DICOM to incorporate additional known clinical use cases. The View Modifier ACR MQCM 1999 equivalent indicates its use as a prefix (shown by trailing "…") or suffix (shown by preceding "…") to the View ACR MQCM 1999 equivalent, or replacement for the View ACR MQCM 1999 equivalent.

CID 4016 Anatomic Region for Intra-oral Radiography

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20150318**
UID: **1.2.840.10008.6.1.300**

Table CID 4016. Anatomic Region for Intra-oral Radiography

Coding Scheme Designator	Code Value	Code Meaning	SNODENT Code	SNOMED-RT ID	UMLS Concept Unique ID
SCT	661005	Jaw region	100108D	T-D1213	C3887617
SCT	70925003	Maxilla	108042D	T-11170	C0024947
SCT	91609006	Mandible	144511D	T-11180	C0024687
SCT	28035005	Teeth, gums and supporting structures	124191D	T-54000	C0702127

Note

In a prior version of this table, the code T-D1217 was specified for the concept "Maxilla and mandible". The use of this code conflicts with its assignment to another concept in SNOMED, and its use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 4017 Anatomic Region Modifier for Intra-oral Radiography

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20150318**
UID: **1.2.840.10008.6.1.301**

Table CID 4017. Anatomic Region Modifier for Intra-oral Radiography

Coding Scheme Designator	Code Value	Code Meaning	SNODENT Code	SNOMED-RT ID	UMLS Concept Unique ID
SCT	699453001	Central incisor region	178934D	R-FB322	C3697198
SCT	699511000	Lateral incisor region	178947D	R-FB35C	C3697187
SCT	699510004	Canine region	178952D	R-FB35B	C3697045
SCT	699509009	First premolar region	178968D	R-FB35A	C3697100
SCT	699508001	Second premolar region	178975D	R-FB359	C3698067
SCT	699507006	First molar region	178981D	R-FB358	C3698498
SCT	699505003	Second molar region	178999D	R-FB356	C3698361
SCT	699503005	Third molar region	179005D	R-FB354	C3697261

Note

In a prior version of this table, SNOMED codes T-51005 through T-5100C were specified for various concepts. The use of these codes conflicts with their assignment to other concepts in SNOMED, and the set of concepts has been replaced. Also, SNOMED code T-5100D was specified for an Occlusal view; this code does not exist in SNOMED, and the concept is more properly considered as a view rather than an anatomic region, hence has been moved to CID 4010, and assigned the correct

SNOMED code R-40810. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; the deprecated codes are included in Annex J.

CID 4018 Primary Anatomic Structure for Intra-oral Radiography (Permanent Dentition - Designation of Teeth)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20150318**
UID: **1.2.840.10008.6.1.302**

Table CID 4018. Primary Anatomic Structure for Intra-oral Radiography (Permanent Dentition - Designation of Teeth)

Coding Scheme Designator	Code Value	Code Meaning	ISO 3950 Designation of Quadrant	ISO 3950 Designation of Tooth	SNODENT Code	SNOMED-RT ID	UMLS Concept Unique ID
SCT	68085002	Maxillary right third molar tooth	1	8	133248D	T-54210	C0227032
SCT	7121006	Maxillary right second molar tooth	1	7	109449D	T-54220	C0227033
SCT	5140004	Maxillary right first molar tooth	1	6	104587D	T-54230	C0227034
SCT	36492000	Maxillary right second premolar tooth	1	5	128425D	T-54240	C0227037
SCT	57826002	Maxillary right first premolar tooth	1	4	138890D	T-54250	C0227038
SCT	80647007	Maxillary right canine tooth	1	3	145111D	T-54260	C0227039
SCT	11712009	Maxillary right lateral incisor tooth	1	2	116770D	T-54270	C0227040
SCT	22120004	Maxillary right central incisor tooth	1	1	106397D	T-54280	C0227042
SCT	31982000	Maxillary left central incisor tooth	2	1	125190D	T-54290	C0227043
SCT	25748002	Maxillary left lateral incisor tooth	2	2	103484D	T-54300	C0227045
SCT	72876007	Maxillary left canine tooth	2	3	108821D	T-54310	C0227046
SCT	61897005	Maxillary left first premolar tooth	2	4	119834D	T-54320	C0227047
SCT	23226009	Maxillary left second premolar tooth	2	5	126921D	T-54330	C0227048
SCT	23427002	Maxillary left first molar tooth	2	6	135665D	T-54340	C0227051
SCT	66303006	Maxillary left second molar tooth	2	7	130330D	T-54350	C0227052
SCT	87704003	Maxillary left third molar tooth	2	8	136609D	T-54360	C0227053
SCT	74344005	Mandibular left third molar tooth	3	8	129534D	T-54370	C0227054
SCT	48402004	Mandibular left second molar tooth	3	7	101391D	T-54380	C0227055

Coding Scheme Designator	Code Value	Code Meaning	ISO 3950 Designation of Quadrant	ISO 3950 Designation of Tooth	SNODENT Code	SNOMED-RT ID	UMLS Concept Unique ID
SCT	89625000	Mandibular left first molar tooth	3	6	109790D	T-54390	C0227056
SCT	24573005	Mandibular left second premolar tooth	3	5	117536D	T-54400	C0227059
SCT	2400006	Mandibular left first premolar tooth	3	4	138336D	T-54410	C0227060
SCT	39844006	Mandibular left canine tooth	3	3	119269D	T-54420	C0227061
SCT	77130001	Mandibular left lateral tooth	3	2	119276D	T-54430	C0227062
SCT	113278005	Mandibular left central incisor tooth	3	1	116581D	T-54440	C0227064
SCT	15422005	Mandibular right central incisor tooth	4	1	139525D	T-54450	C0227065
SCT	82628004	Mandibular right lateral incisor tooth	4	2	113091D	T-54460	C0227067
SCT	47055002	Mandibular right canine tooth	4	3	107357D	T-54470	C0227068
SCT	80140008	Mandibular right first premolar tooth	4	4	144507D	T-54480	C0227069
SCT	8873007	Mandibular right second premolar tooth	4	5	110784D	T-54490	C0227070
SCT	28480000	Mandibular right first molar tooth	4	6	143324D	T-54500	C0227073
SCT	40005008	Mandibular right second molar tooth	4	7	145772D	T-54510	C0227074
SCT	38994002	Mandibular right third molar tooth	4	8	100566D	T-54520	C0227075

CID 4019 Primary Anatomic Structure for Intra-oral Radiography (Deciduous Dentition - Designation of Teeth)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20150318**
UID: **1.2.840.10008.6.1.303**

Table CID 4019. Primary Anatomic Structure for Intra-oral Radiography (Deciduous Dentition - Designation of Teeth)

Coding Scheme Designator	Code Value	Code Meaning	ISO 3950 Designation of Quadrant	ISO 3950 Designation of Tooth	SNODENT Code	SNOMED-RT ID	UMLS Concept Unique ID
SCT	245620002	Deciduous maxillary right central incisor tooth	5	1	162619D	T-54610	C0447234
SCT	245619008	Deciduous maxillary right lateral incisor tooth	5	2	162494D	T-54620	C0447233
SCT	30618001	Deciduous maxillary right canine tooth	5	3	124018D	T-54630	C0227087

Coding Scheme Designator	Code Value	Code Meaning	ISO 3950 Designation of Quadrant	ISO 3950 Designation of Tooth	SNODENT Code	SNOMED-RT ID	UMLS Concept Unique ID
SCT	245616001	Deciduous maxillary right first molar tooth	5	4	162234D	T-54640	C0447230
SCT	27855007	Deciduous maxillary right second molar tooth	5	5	130574D	T-54650	C0227089
SCT	51678005	Deciduous maxillary left central incisor tooth	6	1	108911D	T-54660	C1533615
SCT	43622005	Deciduous maxillary left lateral incisor tooth	6	2	123818D	T-54670	C0227091
SCT	73937000	Deciduous maxillary left canine tooth	6	3	140711D	T-54680	C0227092
SCT	45234009	Deciduous maxillary left first molar tooth	6	4	141712D	T-54690	C0227093
SCT	51943008	Deciduous maxillary left second molar tooth	6	5	112992D	T-54700	C0227094
SCT	89552004	Deciduous mandibular left central incisor tooth	7	1	150298D	T-54760	C0227100
SCT	14770005	Deciduous mandibular left lateral incisor tooth	7	2	134816D	T-54770	C1533616
SCT	245639007	Deciduous mandibular left canine tooth	7	3	162441D	T-54780	C0447255
SCT	38896004	Deciduous mandibular left first molar tooth	7	4	118147D	T-54790	C0227103
SCT	49330006	Deciduous mandibular left second molar tooth	7	5	144621D	T-54800	C0227104
SCT	67834006	Deciduous mandibular right central incisor tooth	8	1	120236D	T-54710	C0227095
SCT	22445006	Deciduous mandibular right lateral incisor tooth	8	2	113281D	T-54720	C0227101
SCT	6062009	Deciduous mandibular right canine tooth	8	3	105720D	T-54730	C0227097
SCT	245631005	Deciduous mandibular right first molar tooth	8	4	162206D	T-54740	C0447244
SCT	61868007	Deciduous mandibular right second molar tooth	8	5	107031D	T-54750	C0227099

CID 4020 PET Radionuclide

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160119**
UID: **1.2.840.10008.6.1.304**

Table CID 4020. PET Radionuclide

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	40565003	^11^Carbon	C-105A1	C0302944
SCT	21576001	^13^Nitrogen	C-107A1	C0302959

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	424875009	^14^Oxygen	C-1018C	C1828369
SCT	129504001	^15^Oxygen	C-B1038	C1268556
SCT	77004003	^18^Fluorine	C-111A1	C0302995
SCT	71633006	^22^Sodium	C-155A1	C0303511
SCT	423764008	^38^Potassium	C-135A4	C1827255
DCM	126605	^43^Scandium		
DCM	126600	^44^Scandium		
SCT	75696008	^45^Titanium	C-166A2	C0303635
DCM	126601	^51^Manganese		
SCT	69089000	^52^Iron	C-130A1	C0303218
SCT	37225000	^52^Manganese	C-149A1	C0303448
DCM	126607	^52m^Manganese		
SCT	425364008	^60^Copper	C-127A4	C1827982
SCT	71425003	^61^Copper	C-127A1	C0303189
SCT	422934004	^62^Copper	C-127A5	C1828311
SCT	65054007	^62^Zinc	C-141A1	C0303361
SCT	3932008	^64^Copper	C-127A2	C0303190
SCT	79477007	^66^Gallium	C-131A1	C0303224
SCT	35337001	^68^Gallium	C-131A3	C0303226
SCT	53315004	^68^Germanium	C-128A2	C0303198
DCM	126602	^70^Arsenic		
SCT	2705002	^72^Arsenic	C-115A2	C0303037
SCT	87437000	^73^Selenium	C-116A2	C0303047
SCT	17910003	^75^Bromine	C-113A1	C0303008
SCT	79523006	^76^Bromine	C-113A2	C1304532
SCT	86521004	^77^Bromine	C-113A3	C0303010
SCT	79197006	^82^Rubidium	C-159A2	C0303554
SCT	10738001	^86^Yttrium	C-162A3	C0303592
SCT	63360001	^89^Zirconium	C-168A4	C0303661
DCM	126603	^90^Niobium		
SCT	14691008	^90^Yttrium	C-162A7	C0303596
SCT	424079002	^94m^Technetium	C-163AA	C1828040
SCT	40937006	^124^Iodine	C-114A5	C0303024
DCM	126606	^152^Terbium		

CID 4021 PET Radiopharmaceutical

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190124**
UID: **1.2.840.10008.6.1.305**

Table CID 4021. PET Radiopharmaceutical

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Other Names
DCM	126752	28H1 ^89^Zr			
DCM	126713	2FA F^18^			FA-85380
DCM	126751	7D12 ^89^Zr			
DCM	126750	7E11 ^89^Zr			
SCT	129513004	Acetate C^11^	C-B1043	C1098488	
DCM	126729	AGN-150998 ^89^Zr			MP0112
SCT	129508003	Ammonia N^13^	C-B103C	C1268560	
DCM	126754	Anti-B220 ^89^Zr			Anti-CD45R
DCM	126700	ATSM Cu^60^			
DCM	126701	ATSM Cu^61^			
DCM	126702	ATSM Cu^62^			
SCT	422855001	ATSM Cu^64^	C-B07DB	C1828021	
DCM	126722	Benralizumab ^89^Zr			MEDI-563, KHK4563
DCM	126516	Bevacizumab ^89^Zr			Avastin™ ^89^Zr
DCM	126727	Blinatumomab ^89^Zr			AMG103, MT103
DCM	126735	Brentuximab ^89^Zr			Adcetris™
SCT	422540000	Butanol O^15^	C-B07DC	C1827030	
SCT	129507008	Carbon dioxide O^15^	C-B103B	C1268559	
SCT	129515006	Carbon monoxide C^11^	C-B1045	C1268564	
SCT	129506004	Carbon monoxide O^15^	C-B103A	C1268558	
SCT	129511002	Carfentanil C^11^	C-B103F	C1268562	
DCM	126513	Cetuximab ^89^Zr			Erbitux™ ^89^Zr
DCM	126517	cG250-F(ab')(2) ^89^Zr			
DCM	126703	Choline C^11^			
DCM	126715	CLR1404 I^124^			
DCM	126716	CLR1404 I^131^			
DCM	126746	cMAb U36 ^89^Zr			
DCM	126515	cU36 ^89^Zr			
NCIt	C96234	DCFBC F^18^		C2604127	N-[N-[(S)-1,3-dicarboxypropyl] carbamoyl]-4-fluorobenzyl-l-cysteine F^18^
NCIt	C116352	DCFPyL F^18^		C3492634	2-(3-(1-carboxy-5-[(6-fluoro-pyridine-3-carbonyl)-amino]-pentyl)-ureido)-pentanedioic acid F^18^
DCM	126762	Df-[FK](2) ^89^Zr			
DCM	126763	Df-[FK](2)-3PEG(4) ^89^Zr			
DCM	126520	Df-CD45 ^89^Zr			
DCM	126760	Df-FK ^89^Zr			
DCM	126761	Df-FK-PEG(3) ^89^Zr			
DCM	126747	DN30 ^89^Zr			

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Other Names
DCM	126519	E4G10 ^89^Zr			
DCM	126732	Ecromeximab ^89^Zr			KW-2871
UMLS	C2713594	Edotreotide Ga^68^		C2713594	DOTATOC, SMT487
SCT	423498000	EDTA Ga^68^	C-B07DD	C1828067	
DCM	126704	Fallypride C^11^			
DCM	126705	Fallypride F^18^			
DCM	126706	FLB 457 C^11^			
SCT	712736002	Florbetaben F^18^	C-D6858	C3818757	NeuroCeq™
SCT	456995000	Florbetapir F^18^	C-E0269	C3475363	AV-45, Amyvid™
UMLS	C4547429	Flortaucipir F^18^		C4547429	AV-1451, T807
DCM	126503	Flubatine F^18^			NCFHEB
SCT	456999006	Fluciclatide F^18^	C-E0265	C2987729	
SCT	457000009	Fluciclovine F^18^	C-E026A	C1311253	
SCT	423543007	Flumazenil C^11^	C-B07DE	C1827653	
SCT	422975006	Flumazenil F^18^	C-B07DF	C1828330	
SCT	424708001	Fluorethyltyrosin F^18^	C-B07E0	C1827913	
SCT	423546004	Fluorobenzothiazole F^18^	C-B07E4	C1827131	
SCT	456992002	Fluorocholine F^18^	C-E0273	C3531803	
SCT	35321007	Fluorodeoxyglucose F^18^	C-B1031	C0046056	
UMLS	C1831937	Fluoroestradiol (FES) F^18^		C1831937	
UMLS	C1541539	Fluoroetanidazole F^18^		C1541539	EF5
SCT	129500005	Fluoro-L-dopa F^18^	C-B1034	C1268553	
SCT	422763008	Fluoromethane F^18^	C-B07E2	C1827137	
SCT	422598008	Fluoromisonidazole F^18^	C-B07E1	C1827349	FMISO
UMLS	C2934038	Fluoropropyl-dihydrotetrabenazine (DTBZ) F^18^		C2934038	AV-133
DCM	126707	Fluorotriopride F^18^			
SCT	425236000	Fluorouracil F^18^	C-B07E3	C1827690	
DCM	126718	Flurpiridaz F^18^			BMS-747158-02
SCT	456997008	Flutemetamol F^18^	C-E0267	C2983948	Vizamyl™
DCM	126748	Fresolimumab ^89^Zr			GC1008
DCM	126731	GA201 ^89^Zr			RG1760, RO5083945
SCT	129516007	Germanium Ge^68^	C-B1046	C1268565	
DCM	126724	Glembatumumab vedotin ^89^Zr			CDX-011, CR011-vcMMAE
SCT	129509006	Glutamate N^13^	C-B103D	C1268561	
DCM	126709	Glutamine C^11^			
DCM	126710	Glutamine C^14^			
DCM	126711	Glutamine F^18^			
UMLS	C2981788	ISO-1 F^18^		C2981788	
DCM	126514	J591 ^89^Zr			

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Other Names
DCM	126740	Margetuximab ^89^Zr			MGAH22
DCM	126730	MEDI-551 ^89^Zr			
SCT	424789007	Mespiperone C^11^	C-B07E5	C1828032	
SCT	129510001	Methionine C^11^	C-B103E	C0252667	
UMLS	C4506764	MK-6240 F^18^		C4506764	
DCM	126738	Mogamulizumab ^89^Zr			AMG761, KW-0761, Poteligeo™
DCM	126510	Monoclonal Antibody (mAb) ^64^Cu			
DCM	126511	Monoclonal Antibody (mAb) ^89^Zr			
SCT	424874008	Monoclonal antibody I^124^	C-B07E6	C1827605	
DCM	126753	Nanocolloidal albumin ^89^Zr			Nanocoll
DCM	126714	Nifene F^18^			
DCM	126721	Obinituzimab ^89^Zr			Afutuzumab, Gazyva™
DCM	126723	Ocaratuzumab ^89^Zr			AME-133v, LY2469298
SCT	129504001	Oxygen O^15^	C-B1038	C1268556	
SCT	129505000	Oxygen-water O^15^	C-B1039	C1268557	
SCT	129514005	Palmitate C^11^	C-B1044	C1268563	
DCM	126736	Panitumumab ^89^Zr			ABX-EGF, Vectibix™
DCM	126728	Pegdinetanib ^89^Zr			BMS-844203, CT-322, Angiocept™
DCM	126725	Pinatuzumab vedotin ^89^Zr			RG7593, DCDT2980S
DCM	126500	Pittsburgh compound B C^11^			PIB
DCM	126726	Polatuzumab vedotin ^89^Zr			RG7596, DCDS4501A
DCM	126758	PSMA-1007 F^18^			
NCIt	C118961	PSMA-11 Ga^68^		C3899042	Glu-NH-CO-NH-Lys(Ahx)-HBED-CC Ga^68^
DCM	126759	PSMA-617 Ga^68^			
SCT	422789008	PTSM Cu^62^	C-B07E7	C1827357	
DCM	126518	R1507 ^89^Zr			
SCT	129512009	Raclopride C^11^	C-B1042	C0752264	
DCM	126742	Ranibizumab ^89^Zr			Lucentis™
DCM	126737	Rituximab ^89^Zr			IDEC-C2B8, Rituxan™
DCM	126755	RO5323441 ^89^Zr			
DCM	126756	RO542908 ^89^Zr			
DCM	126719	RO6924963 ^11^C			RO-963
DCM	126720	RO6931643 ^11^C			RO-643
DCM	126757	RO6958948 ^18^F			RO-948
DCM	126733	Roledumab ^89^Zr			LFB-R593
SCT	129503007	Rubidium chloride Rb^82^	C-B1037	C1268555	
DCM	126741	SAR3419 ^89^Zr			
NCIt	C122684	Sarcosine C^11^		C4055275	
SCT	129501009	Sodium fluoride F^18^	C-B1032	C0304965	

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Other Names
SCT	422980002	Sodium iodide I^124^	C-B07E8	C1828393	
SCT	129517003	Sodium Na^22^	C-B1047	C1268566	
SCT	129499001	Spiperone F^18^	C-B1033	C1268552	
DCM	126502	T807 F^18^			AV-1451
UMLS	C4550127	THK5317 F^18^		C4550127	
UMLS	C4279748	THK5351 F^18^		C4279748	
SCT	129502002	Thymidine (FLT) F^18^	C-B1036	C1268554	
DCM	126512	Trastuzumab ^89^Zr			Herceptin™ ^89^Zr
DCM	126749	TRC105 ^89^Zr			
UMLS	C1742831	tyrosine-3-octreotate Ga^68^		C1742831	DOTATATE
DCM	126739	Ublituximab ^89^Zr			LFB-R603, TG-1101
UMLS	C4506788	UCB-J C^11^		C4506788	
DCM	126734	XmAb5574 ^89^Zr			MOR208

CID 4025 Primary Anatomic Structure for Intra-oral Radiography (Supernumerary Dentition - Designation of Teeth)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20150318**
UID: **1.2.840.10008.6.1.1021**

Table CID 4025. Primary Anatomic Structure for Intra-oral Radiography (Supernumerary Dentition - Designation of Teeth)

Coding Scheme Designator	Code Value	Code Meaning	SNODENT Code	SNOMED-RT ID
SCT	707029006	Supernumerary deciduous mandibular left canine tooth	177552D	R-FC4E0
SCT	707026004	Supernumerary deciduous mandibular left central incisor tooth	177292D	R-FC4DD
SCT	707030001	Supernumerary deciduous mandibular left first molar tooth	177421D	R-FC4E1
SCT	707028003	Supernumerary deciduous mandibular left lateral incisor tooth	177318D	R-FC4DF
SCT	707031002	Supernumerary deciduous mandibular left second molar tooth	177704D	R-FC4E2
SCT	707023007	Supernumerary deciduous mandibular right canine tooth	177387D	R-FC4DA
SCT	707025000	Supernumerary deciduous mandibular right central incisor tooth	177450D	R-FC4DC
SCT	707022002	Supernumerary deciduous mandibular right first molar tooth	177758D	R-FC4D9
SCT	707024001	Supernumerary deciduous mandibular right lateral incisor tooth	177466D	R-FC4DB

Coding Scheme Designator	Code Value	Code Meaning	SNODENT Code	SNOMED-RT ID
SCT	707021009	Supernumerary deciduous mandibular right second molar tooth	177302D	R-FC4D8
SCT	707016006	Supernumerary deciduous maxillary left canine tooth	177497D	R-FC4D3
SCT	707014009	Supernumerary deciduous maxillary left central incisor tooth	177736D	R-FC4D1
SCT	707017002	Supernumerary deciduous maxillary left first molar tooth	177715D	R-FC4D4
SCT	707015005	Supernumerary deciduous maxillary left lateral incisor tooth	177263D	R-FC4D2
SCT	707018007	Supernumerary deciduous maxillary left second molar tooth	177581D	R-FC4D5
SCT	707011001	Supernumerary deciduous maxillary right canine tooth	177575D	R-FC4CE
SCT	707013003	Supernumerary deciduous maxillary right central incisor tooth	177696D	R-FC4D0
SCT	707010000	Supernumerary deciduous maxillary right first molar tooth	177360D	R-FC4CD
SCT	707012008	Supernumerary deciduous maxillary right lateral incisor tooth	177620D	R-FC4CF
SCT	707009005	Supernumerary deciduous maxillary right second molar tooth	177665D	R-FC4CC
SCT	707058009	Supernumerary permanent mandibular left canine tooth	177523D	R-FC4FD
SCT	707060006	Supernumerary permanent mandibular left central incisor tooth	177510D	R-FC4FF
SCT	707055007	Supernumerary permanent mandibular left first molar tooth	177478D	R-FC4FA
SCT	707057004	Supernumerary permanent mandibular left first premolar tooth	177631D	R-FC4FC
SCT	707059001	Supernumerary permanent mandibular left lateral incisor tooth	177271D	R-FC4FE
SCT	707054006	Supernumerary permanent mandibular left second molar tooth	177677D	R-FC4F9
SCT	707056008	Supernumerary permanent mandibular left second premolar tooth	177727D	R-FC4FB
SCT	707052005	Supernumerary permanent mandibular left third molar tooth	177743D	R-FC4F7
SCT	707063008	Supernumerary permanent mandibular right canine tooth	177341D	R-FC502
SCT	707061005	Supernumerary permanent mandibular right central incisor tooth	177285D	R-FC500
SCT	707066000	Supernumerary permanent mandibular right first molar tooth	177413D	R-FC505
SCT	707064002	Supernumerary permanent mandibular right first premolar tooth	177599D	R-FC503

Coding Scheme Designator	Code Value	Code Meaning	SNODENT Code	SNOMED-RT ID
SCT	707062003	Supernumerary permanent mandibular right lateral incisor tooth	177506D	R-FC501
SCT	707067009	Supernumerary permanent mandibular right second molar tooth	177432D	R-FC506
SCT	707065001	Supernumerary permanent mandibular right second premolar tooth	177409D	R-FC504
SCT	707068004	Supernumerary permanent mandibular right third molar tooth	177608D	R-FC507
SCT	707044007	Supernumerary permanent maxillary left canine tooth	177356D	R-FC4EF
SCT	707042006	Supernumerary permanent maxillary left central incisor tooth	177762D	R-FC4ED
SCT	707047000	Supernumerary permanent maxillary left first molar tooth	177654D	R-FC4F2
SCT	707045008	Supernumerary permanent maxillary left first premolar tooth	177445D	R-FC4F0
SCT	707043001	Supernumerary permanent maxillary left lateral incisor tooth	177683D	R-FC4EE
SCT	707048005	Supernumerary permanent maxillary left second molar tooth	177373D	R-FC4F3
SCT	707046009	Supernumerary permanent maxillary left second premolar tooth	177325D	R-FC4F1
SCT	707049002	Supernumerary permanent maxillary left third molar tooth	177568D	R-FC4F4
SCT	707038008	Supernumerary permanent maxillary right canine tooth	177339D	R-FC4E9
SCT	707041004	Supernumerary permanent maxillary right central incisor tooth	177259D	R-FC4EC
SCT	707035006	Supernumerary permanent maxillary right first molar tooth	177534D	R-FC4E6
SCT	707037003	Supernumerary permanent maxillary right first premolar tooth	177612D	R-FC4E8
SCT	707039000	Supernumerary permanent maxillary right lateral incisor tooth	177484D	R-FC4EA
SCT	707033004	Supernumerary permanent maxillary right second molar tooth	177649D	R-FC4E4
SCT	707036007	Supernumerary permanent maxillary right second premolar tooth	177547D	R-FC4E7
SCT	707032009	Supernumerary permanent maxillary right third molar tooth	177394D	R-FC4E3

CID 4026 Primary Anatomic Structure for Intra-oral and Craniofacial Radiography - Teeth

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20150318**
UID: **1.2.840.10008.6.1.1022**

Table CID 4026. Primary Anatomic Structure for Intra-oral and Craniofacial Radiography - Teeth

Coding Scheme Designator	Code Value	Code Meaning
Include CID 4018 “Primary Anatomic Structure for Intra-oral Radiography (Permanent Dentition - Designation of Teeth)”		
Include CID 4019 “Primary Anatomic Structure for Intra-oral Radiography (Deciduous Dentition - Designation of Teeth)”		
Include CID 4025 “Primary Anatomic Structure for Intra-oral Radiography (Supernumerary Dentition - Designation of Teeth)”		

CID 4028 Craniofacial Anatomic Regions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.306**

Table CID 4028. Craniofacial Anatomic Regions

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	312779009	Bone structure of head and/or neck	T-D006D	C0730130
SCT	122494005	Cervical spine	T-11501	C0728985
SCT	52374004	Ethmoid bone	T-11156	C0015027
SCT	28347008	External ear	T-AB100	C0013453
SCT	79652003	Eyeball	T-AA770	C0229242
SCT	371398005	Eye region	T-D0801	C0015392
SCT	91397008	Facial bones	T-11196	C0015455
SCT	74872008	Frontal bone	T-11110	C0016732
SCT	69536005	Head	T-D1100	C0018670
SCT	774007	Head and Neck	T-D1000	C0460004
SCT	21387005	Hyoid bone	T-11190	C0020417
SCT	22945000	Inner ear	T-AB700	C0022889
SCT	361078006	Internal Auditory Canal	T-AB959	C1283773
SCT	661005	Jaw region	T-D1213	C0022359
SCT	6229007	Lacrimal bone	T-1115A	C0222733
SCT	4596009	Larynx	T-24100	C0023078
SCT	48477009	Lip	T-52000	C0023759
SCT	91609006	Mandible	T-11180	C0024687
SCT	59066005	Mastoid bone	T-11133	C0446908
SCT	70925003	Maxilla	T-11170	C0024947
SCT	25342003	Middle ear	T-AB300	C0013455
SCT	22688005	Muscle of head	T-13100	C0224097
SCT	81727001	Muscle of neck	T-13300	C0027532
SCT	74386004	Nasal bone	T-11149	C0027422
SCT	45048000	Neck	T-D1600	C0027530
SCT	31640002	Occipital bone	T-11140	C0028784
SCT	55024004	Optic canal	T-11102	C0450102
SCT	363654007	Orbital structure	T-D14AE	C0029180

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	51283005	Palatine bone	T-11160	C0222734
SCT	2095001	Paranasal sinus	T-22000	C0030471
SCT	24924006	Parietal bone	T-11120	C0030558
SCT	385294005	Salivary gland	T-61007	C0036098
SCT	89546000	Skull	T-11100	C0037303
SCT	49460000	Soft palate	T-51120	C0030219
SCT	73117003	Sphenoid bone	T-11150	C0037884
SCT	54019009	Submandibular gland	T-61300	C0038556
SCT	60911003	Temporal bone	T-11130	C0039484
SCT	53620006	Temporomandibular joint	T-15290	C0039493
SCT	21974007	Tongue	T-53000	C0040408
SCT	38199008	Tooth	T-54010	C0040426
SCT	44567001	Trachea	T-25000	C0040578
SCT	110517009	Vertebral column and cranium	T-11011	C1266914
SCT	87166008	Vomer bone	T-21342	C0242403
SCT	13881006	Zygoma	T-11166	C0043539

CID 4029 Dermatology Anatomic Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190118**
UID: **1.2.840.10008.6.1.1268**

Table CID 4029. Dermatology Anatomic Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	ICD-11	NYU Code L	NYU Code M	NYU Code R	Mayo Code L	Mayo Code M	Mayo Code R
SCT	182329002	Anterior triangle of neck	T-D03C9	C0446459	57777	XA1NS6	41		42	41		42
SCT	28726007	Cornea	T-AA200	C0229124	58238	XA4C02	109		108			
SCT	85803001	Eyelash	T-01530	C0015422	53669		105		104	105		104
SCT	279479008	Female external urethral orifice	T-81001	C0458493	85266			504				
SCT	279867004	Frenulum of labia minora	T-81206	C0458840	20404	XA0565		508				
SCT	280387007	Groin skin crease	T-01041	C0459399	326449	XA2XG2	519		518			
SCT	386045008	Hair	T-0130A	C0018494	53667						503	
SCT	41296002	Iris	T-AA500	C0022077	58235		109		108	109		108
SCT	279478000	Male external urethral orifice	T-75181	C0458492	85265			513				
FMA	281534	Mucosa of dorsum of oral part of tongue		C4244787	281534	XA8YB9	157		154			

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	ICD-11	NYU Code L	NYU Code M	NYU Code R	Mayo Code L	Mayo Code M	Mayo Code R
FMA	281537	Mucosa of dorsum of pharyngeal part of tongue		C4244789	281537	XA0HQ3	155		152			
SCT	36152006	Mucosa of floor of mouth	T-51210	C0226911	292374	XA8EY7	161		158			
SCT	46353006	Mucosa of lower lip	T-52210	C0226939	59833	XA72W2	165		162			
SCT	245823002	Mucosa of mandibular gingiva	T-5494D	C0447479		XA9303	163		160			
SCT	245814000	Mucosa of maxillary gingiva	T-5493D	C0447470		XA6743	145		144			
FMA	289677	Mucosa of oral segment of hard palate		C4242040	289677	XA4527	147		146			
FMA	60031	Mucosa of palatoglossal arch		C0930720	60031		151		148			
FMA	55031	Mucosa of pharynx		C0227140	55031						518	
FMA	55060	Mucosa of posterior wall of oropharynx		C0926847	55060	XA8659	153		150			
SCT	245831007	Mucosa of tip of tongue	T-53012	C0447488	323681	XA1WZ8	159		156			
SCT	8001006	Mucosa of tongue	T-53010	C0226950	54807	XA1T19					515	
SCT	18444004	Mucosa of upper lip	T-52110	C0226933	59832	XA9072	143		142			
FMA	60030	Mucosa of uvula		C0930719	60030	XA2993	149		149			
SCT	22740002	Nail of fifth toe	T-01625	C0222012	54356	XA3VM6	441		440	441		440
SCT	91456000	Nail of finger	T-01614	C0222001		XA0EH9					526	
SCT	6194002	Nail of fourth toe	T-01624	C0222011	54353	XA6TS5	439		438	439		438
SCT	38790000	Nail of great toe	T-01621	C0222008	54344	XA1RE3	433		432	433		432
SCT	63288009	Nail of index finger	T-01616	C0222003	54332	XA40D9	329		328	329		328
SCT	44431006	Nail of little finger	T-01619	C0222006	54341	XA29K9	335		334	335		334
SCT	61366001	Nail of middle finger	T-01617	C0222004	54335	XA9YZ9	331		330	331		330
SCT	51596007	Nail of ring finger	T-01618	C0222005	54338	XA6Y59	333		332	333		332
SCT	8770002	Nail of second toe	T-01622	C0222009	54347	XA7GG3	435		434	435		434
SCT	1569005	Nail of third toe	T-01623	C0222010	54350	XA3D73	437		436	437		436
SCT	28274006	Nail of thumb	T-01615	C0222002	54329	XA5PD5	327		326	327		326
SCT	76578001	Nail of toe	T-01620	C0222007	54328	XA9E36					531	

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	ICD-11	NYU Code L	NYU Code M	NYU Code R	Mayo Code L	Mayo Code M	Mayo Code R
SCT	113277000	Oral mucosa	T-51300	C0026639	59660	XA1WN1					516	
SCT	4019005	Posterior commissure of labium majorum	T-81230	C0227762	20401							
SCT	5665001	Retina	T-AA610	C0024622	58301						509	
SCT	18619003	Sclera	T-AA110	C0036410	58269	XA2AF4	111		110	111		110
SCT	39937001	Skin	T-01000	C0221911							500	
SCT	75093004	Skin of abdomen	T-02480	C0222166	22988	XA6GV0				522		522
SCT	68598004	Skin of ala nasi	T-02142	C0222097	59534	XA32Q9	23		24	23		24
SCT	17957002	Skin of antecubital fossa	T-02621	C0222214	38251	XA9NE6	303		302	303		302
DCM	130305	Skin of anterior helix of ear					119		118	119		118
SCT	11584001	Skin of anterior portion of neck	T-02302	C0222131	23023	XA4QS6		60				
SCT	70559009	Skin of anterior surface of forearm	T-02632	C0222217	38268	XA8ZL6	305		304	305		304
SCT	181553006	Skin of anterior surface of knee	T-0282E	C0448900	38159	XA9L17	405		404	405		404
SCT	25763004	Skin of anterior surface of lower leg	T-02831	C0222280	37837	XA33X4	407		406	407		406
SCT	61248009	Skin of anterior surface of thigh	T-02811	C0222270	37793	XA98B3	403		402	403		402
SCT	244106003	Skin of anterior surface of thorax	T-02425	C0448821							521	
SCT	45981001	Skin of anterior surface of upper arm	T-02612	C0222207	38238	XA22Q1	301		300	301		300
SCT	181491009	Skin of anterior trunk	T-02408	C3698018							521a	
SCT	38407007	Skin of antitragus	T-02213	C0222123	322677	XA7RR9	123		122			
SCT	59112000	Skin of anus	T-02508	C0222181	28008	XA0D34		512			537	
SCT	72005009	Skin of areola	T-02432	C0222151	50050	XA2JK3	207		206	207		206
SCT	699891005	Skin of axilla	R-FB4D8	C0222146	37322	XA17J1	355		354	355		354
SCT	66643007	Skin of back	T-02450	C0222155	10462						527	
FMA	49943	Skin of back of trunk		C0923309	49943						521b	
SCT	699893008	Skin of back of upper thoracic region	R-FB4DA	C3697168	23024	XA10L7	225		224	225		224
SCT	22180002	Skin of buttock	T-02471	C0222165	45285	XA3VA7	231		230	231	527a	230
DCM	130306	Skin of caruncle of eye								171		170

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	ICD-11	NYU Code L	NYU Code M	NYU Code R	Mayo Code L	Mayo Code M	Mayo Code R
SCT	51098001	Skin of cavity of concha	T-02217	C0222127		XA8D58	125		124	125		124
SCT	36141000	Skin of cheek	T-02121	C0222085	24759	XA7MK8	13		14	13	511	14
SCT	23747009	Skin of chin	T-02155	C0222106	53658	XA2C62	35	58	36	35	517	36
SCT	29353003	Skin of clitoris	T-02523	C0222189	20168	XA4851		502			536	
SCT	57726007	Skin of crus of helix	T-02218	C0222128	322323	XA9A86	117		116	117		116
SCT	244169007	Skin of digit of hand	T-D0315	C0448888	38304	XA2593					525	
SCT	52876008	Skin of dorsal area of wrist	T-02641	C0278393	38286	XA0SH5	313		312	313		312
FMA	37885	Skin of dorsal part of fifth toe		C0829302	37885		431		430	431		430
FMA	37882	Skin of dorsal part of fourth toe		C0829299	37882		429		428	429		428
FMA	37873	Skin of dorsal part of great toe		C0829290	37873		423		422	423		422
FMA	38324	Skin of dorsal part of index finger		C0829711	38324		325		324	325		324
FMA	38333	Skin of dorsal part of little finger		C0829720	38333		319		318	319		318
FMA	38327	Skin of dorsal part of middle finger		C0829714	38327		323		322	323		322
FMA	38330	Skin of dorsal part of ring finger		C0829717	38330		321		320	321		320
FMA	37876	Skin of dorsal part of second toe		C0829293	37876		425		424	425		424
FMA	37879	Skin of dorsal part of third toe		C0829296	37879		427		426	427		426
FMA	38321	Skin of dorsal part of thumb		C0829708	38321		317		316	317		316
FMA	59532	Skin of dorsum of nose		C0930371	59532	XA5YP3	19	53	20	19		20
SCT	1902009	Skin of ear	T-02200	C0222110		XA6ZY6					506	
SCT	2059009	Skin of ear lobule	T-02214	C0222124		XA0TW7	131		130	131		130
SCT	30598005	Skin of epigastric area	T-02481	C0222167	322773		233		233			
SCT	86409001	Skin of external auditory canal	T-02219	C0222129		XA3UC1					505	
SCT	60944009	Skin of external genitalia	T-02501	C0222177		XA5FG3					532	
SCT	362916000	Skin of eye region	T-D149C	C1285124							508	

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	ICD-11	NYU Code L	NYU Code M	NYU Code R	Mayo Code L	Mayo Code M	Mayo Code R
SCT	367577003	Skin of eyebrow	T-02106	C1288306		XA1LZ5	101		100	101		100
SCT	73897004	Skin of face	T-02120	C0222084	24758	XA86S4					507	
SCT	60496002	Skin of foot	T-02850	C0222289	37834	XA47V8				529b	529	529a
SCT	68698007	Skin of forehead	T-02104	C0222074	63883	XA6TR8	7	52	8	7	504	8
SCT	7991003	Skin of glans penis	T-02531	C1261043	19642	XA0MH6	511		511			
SCT	63029009	Skin of gluteal fold	T-02506	C0222179	20233	XA5UE3		238				
SCT	33712006	Skin of hand	T-02650	C0222224	38295	XA5R12				524b	524	524a
SCT	70762009	Skin of head	T-02100	C0205029	12166	XA20Q1					501	
SCT	84607009	Skin of heel	T-02841	C0222287		XA5HK0	463		460	463		462
SCT	79313003	Skin of helix of ear	T-02202	C0222113		XA6B58						
SCT	367578008	Skin of hypogastric region	T-02488	C1288307	323207		235		235			
SCT	89784008	Skin of hypothenar region of palm	T-02666	C0222233	79164	XA5TQ4	343		342	343		342
DCM	130307	Skin of inferior helix of ear					119		118			
DCM	130308	Skin of inferior posterior surface of the pinna					139		138	139		138
DCM	130312	Skin of infraalar groove					25		26	25		26
SCT	66288003	Skin of infraclavicular region	T-02414	C0222145	61431		203		202	203		202
SCT	39687006	Skin of inguinal region	T-02487	C0222173	326059		223		222	223		222
SCT	45591000	Skin of intertragal incisure	T-02212	C0222122	322676	XA5VK5	129		128	129		128
SCT	244097004	Skin of jawline	T-0215D	C0448804		XA8KA2	37		38	37		38
SCT	73058008	Skin of labium	T-02520	C0222184							535	
SCT	128252004	Skin of labium majus	T-02527	C0222185	20464	XA59G9						
SCT	128253009	Skin of labium minus	T-02528	C0222186	20465	XA0MU9	515		514			
SCT	181564009	Skin of lateral aspect of ankle	T-02849	C1182496	70406	XA7AM4	415		414	415		414
SCT	35739000	Skin of lateral border of sole of foot	T-02853	C0222292		XA9Y82	461		462	461		460
SCT	37671003	Skin of lateral canthus	T-02136	C0222094	322533	XA0403	169		166	169		166

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	ICD-11	NYU Code L	NYU Code M	NYU Code R	Mayo Code L	Mayo Code M	Mayo Code R
DCM	130309	Skin of lateral part of dorsum of foot					419		418	419		418
SCT	699909001	Skin of lateral part of heel	R-FB4EA	C3697424	326712	XA3R99	417		416	417		416
SCT	5272005	Skin of lateral portion of neck	T-02304	C0222133		XA2ZF0	43		44	43		44
SCT	88089004	Skin of lips	T-02150	C0222101	24764	XA8JD4					512	
SCT	699914002	Skin of lower abdomen	R-FB4EF	C3698018			221		220	221		220
SCT	699914002	Skin of lower abdomen	R-FB4EF	C3698018						603		602
DCM	130310	Skin of lower antihelix of ear								123		122
SCT	113182001	Skin of lower back	T-02452	C0222157	322763	XA9ET2	229		228	229		228
SCT	699915001	Skin of lower chest wall	R-FB4F0	C3698074			217		216	217		216
SCT	371304004	Skin of lower extremity	T-0262C	C1266887	74665l	XA45A6				528b	528	528a
SCT	40069000	Skin of lower eyelid	T-02132	C0222090	24762	XA0JV9	115		114	115		114
DCM	130311	Skin of lower eyelid margin				XA0JV9	113		112	113		112
FMA	61427	Skin of lower inner quadrant of breast		C2363131	61427	XA0VX8	213		212	213		212
SCT	66934001	Skin of lower lip	T-02152	C0222103	24767	XA5VD0						
FMA	61423	Skin of lower outer quadrant of breast		C2363133	61423	XA94U2	215		214	215		214
DCM	130304	Skin of lower paraspinal region				XA7ZW8		236				
SCT	181563003	Skin of medial aspect of ankle	T-02848	C0448930	38134	XA7P78	443		442	443		
SCT	52953006	Skin of medial border of sole of foot	T-02854	C0222293		XA3WM8	459		458	459		458
SCT	27887005	Skin of medial canthus	T-02135	C0222093	322532	XA2GQ3	167		164	167		164
DCM	130313	Skin of medial part of dorsum of foot					421		420	421		420
SCT	699919007	Skin of medial part of heel	R-FB4F4	C3698118	326720	XA1QH8	445		444	445		444
SCT	73958006	Skin of medial surface of thigh	T-02814	C0222273		XA1YQ6	401		400	401		400

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	ICD-11	NYU Code L	NYU Code M	NYU Code R	Mayo Code L	Mayo Code M	Mayo Code R
DCM	130323	Skin of mid back					227		226	227		226
DCM	130303	Skin of mid paraspinal region						234				
SCT	37108007	Skin of nasolabial fold	T-02141	C0222096	322319		27		28	27		28
SCT	43081002	Skin of neck	T-02300	C0205030	23021	XA7AA6					519	
SCT	54468004	Skin of nipple	T-02431	C0222150	12828	XA5MC5	205		204	205		204
SCT	113179006	Skin of nose	T-02140	C0222095	24763	XA3H13					510	
SCT	4658004	Skin of nuchal region	T-02305	C0222134	23020	XA1M78	45		46	45		46
SCT	79951008	Skin of occipital region	T-02109	C0222078	24773	XA7JE5	1	61	2	1		2
SCT	70887009	Skin of palm of hand	T-02652	C0222226	38301	XA3NY8	341		340	341		340
SCT	24527008	Skin of palmar area of wrist	T-02642	C0278394	38283	XA6AR5	337		336	337		336
FMA	38344	Skin of palmar part of index finger		C0829728	38344		347		346	347		346
FMA	38357	Skin of palmar part of little finger		C0829738	38357		353		352	353		352
FMA	38347	Skin of palmar part of middle finger		C0829731	38347		349		348	349		348
FMA	38354	Skin of palmar part of ring finger		C0829735	38354		351		350	351		350
FMA	38341	Skin of palmar part of thumb		C0829725	38341		345		344	345		344
DCM	130314	Skin of paranasal cheek				XA3ZL3	15		16	15		16
DCM	130300	Skin of paraspinal area of the neck						62				
DCM	130301	Skin of paraspinal area of the superior back						63				
SCT	21672008	Skin of parietal region	T-02108	C0222077		XA4W34	3		4	3		4
SCT	281642007	Skin of part of dorsal surface of hand	T-0265D	C0559541		XA30Z6	315		314	315		314
SCT	35900000	Skin of penis	T-02530	C0222193	19638	XA7QV2					533	
SCT	48014002	Skin of perineum	T-02500	C0222176	20429			510				
SCT	110488009	Skin of perioral region of face	T-02148	C1266883	59354	XA1A48					513	
SCT	84365009	Skin of philtrum	T-02153	C0222104	59377	XA5LY8		55				

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	ICD-11	NYU Code L	NYU Code M	NYU Code R	Mayo Code L	Mayo Code M	Mayo Code R
FMA	38119	Skin of plantar part of fifth toe		C0829534	38119		455		454	455		454
FMA	38116	Skin of plantar part of fourth toe		C0829531	38116		453		452	453		452
FMA	38107	Skin of plantar part of great toe		C0829522	38107		447		446	447		446
FMA	38110	Skin of plantar part of second toe		C0829525	38110		449		448	449		448
FMA	38113	Skin of plantar part of third toe		C0829528	38113		451		450	451		450
SCT	84507004	Skin of popliteal fossa	T-02821	C0222276	38162	XA4DM3	411		410	411		410
SCT	24483006	Skin of postauricular region	T-02113	C0222082		XA4DV9	9		10	9		10
DCM	130315	Skin of posterior helix of ear					135		134	135		134
DCM	130316	Skin of posterior lobule of the ear					141		140	141		140
SCT	181536004	Skin of posterior surface of elbow	T-D077A	C0448862		XA3RT8	309		308	309		308
SCT	41550009	Skin of posterior surface of forearm	T-02631	C0222216	38271	XA8WH0	311		310	311		310
SCT	47224004	Skin of posterior surface of lower leg	T-02833	C0222282	37840	XA4K86	413		412	412		413
SCT	4578000	Skin of posterior surface of thigh	T-02812	C0222271	37797	XA0183	409		408	409		408
SCT	244111001	Skin of posterior surface of thorax	T-0242A	C0448820	74762	XA10L7	49		50	49		50
SCT	72939005	Skin of posterior surface of upper arm	T-02613	C0222208	38241	XA5TK8	307		306	307		306
SCT	86719006	Skin of preauricular region	T-02114	C0222083		XA0SU2	11		12	11		12
SCT	76723005	Skin of prepuce of clitoris	T-02525	C0222191	27886	XA3C45		500				
SCT	244117002	Skin of root of penis	T-02536	C0447599	322351	XA0970		501				
SCT	43067004	Skin of scalp	T-02102	C0699772	24757	XA6CW5					502	
SCT	81992007	Skin of scrotum	T-02545	C0222198	20432	XA8MT4	505		503	534		534
SCT	244118007	Skin of shaft of penis	T-02537	C0447600	19643	XA9A26		507				

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	ICD-11	NYU Code L	NYU Code M	NYU Code R	Mayo Code L	Mayo Code M	Mayo Code R
SCT	244089006	Skin of side of nose	T-0214D	C0448800	322330	XA9JN5	17		18	17		18
DCM	130317	Skin of sole of forefoot				XA6KE9	457		456	457		456
SCT	34926004	Skin of submental area	T-02156	C0222107		XA5TZ1		59				
DCM	130318	Skin of superior antihelix of ear					121		120			
DCM	130319	Skin of superior posterior helix of ear					133		132	133		132
DCM	130320	Skin of superior posterior surface of the pinna					137		136	137		136
SCT	76072005	Skin of supraclavicular region of neck	T-02306	C0222135		XA9DQ5	47		48	47		48
SCT	48670002	Skin of supraorbital area	T-02105	C0222075		XA5WP1	103		102			
SCT	16621002	Skin of temporal region	T-02111	C0222080	320486	XA9DZ0	5		6	5		6
SCT	26795005	Skin of thenar region of palm	T-02665	C0222232	79164	XA2JN4	339		338	339		338
SCT	79283007	Skin of tip of nose	T-02143	C0222098	59533	XA56T3	21	54	22	21		22
SCT	52034004	Skin of toe	T-02870	C0222297	37852	XA4LC9					530	
SCT	79502000	Skin of tragus	T-02211	C0222121	322671	XA2N71	127		126	127		126
SCT	315003	Skin of umbilicus	T-02483	C0222169	74803	XA3MT9		200			200	
SCT	699935000	Skin of upper abdomen	R-FB504	C3696900			219		218	219		218
SCT	699935000	Skin of upper abdomen	R-FB504	C3696900						601		600
DCM	130321	Skin of upper antihelix of ear								121		120
SCT	371311000	Skin of upper extremity	T-02008	C0222201		XA4BA8				523b	523	523a
SCT	41310005	Skin of upper eyelid	T-02131	C0222089	24761	XA9K79	105		104	103		104
DCM	130322	Skin of upper eyelid margin				XA53T1	107		106	107		106
FMA	61426	Skin of upper inner quadrant of breast		C2363130	61426	XA3LS6	211		210	211		210
SCT	16251004	Skin of upper lip	T-02151	C0222102	24765	XA0K68	29		30	29		30
FMA	61439	Skin of upper outer quadrant of left breast		C0931805	61439	XA2Q54	209		208	209		208

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	ICD-11	NYU Code L	NYU Code M	NYU Code R	Mayo Code L	Mayo Code M	Mayo Code R
DCM	130302	Skin of upper paraspinal region					232		232			
SCT	54440003	Skin of upper trunk	T-02401	C0222138		XA4QH7					520	
FMA	312651	Skin of vermilion proper of lower lip		C4242687	312651	XA7H02	33	57	34	33		34
FMA	312647	Skin of vermilion proper of upper lip		C4242681	312647	XA75S0	31	56	32	31		32
SCT	61719002	Skin of vertex of scalp	T-02107	C0222076		XA5BY6		51				
SCT	244107007	Sternal skin	T-02426	C0448823				201			201	
SCT	5713008	Submandibular triangle	T-D1603	C0230070	57779	XA0MP5	39		40	39		40
SCT	38199008	Tooth	T-54010	C0040426	12516						514	
SCT	18857001	Vaginal introitus	T-82006	C0458952	19984	XA4AH3		506				
SCT	23213005	Vulval vestibule	T-81270	C0227765	19970			516				

Note

1. It is desirable to use more general standard coding schemes such as SNOMED CT whenever possible, to support interoperability across specialist domains, yet the numeric codes from the NYU and Mayo systems are well known to dermatologists. Multiple codes may be encoded in the image by using the equivalent code mechansism. See 8.9 “Equivalent Code Sequence”. Standard Coding Scheme Designators (NYUMCCG and MAYOASRG) are defined.

2. SNOMED CT and FMA "skin of" or "mucosa of" specific concepts are used here when available, rather than the more generic underlying organ or part concepts; this sacrifices commonality with the anatomic regions used for more general applications, but is appropriate for dermatologic applications. E.g., (59112000, SCT, "Skin of anus") is used instead of (53505006, SCT, "Anal structure").

3. The DICOM convention is to use "~~stucture~~structure of" concepts rather than "entire" concepts when both are defined, and that convention is followed here. E.g., (37671003, SCT, "Skin structure of lateral canthus") is used in preference to (368772009, SCT "Entire skin of lateral canthus").

4. The illustrations of the NYU anatomy identify two separately numbered structures associated with the female urethral orifice; it is not clear what separate structure is identified (perhaps Skene's Glands (71648, FMA, "Lesser vestibular glands") , but in the absence of further information, it is assumed that NYUMCCG:504 refers to the urethral orifice and NYUMCCG:517 is ignored (i.e., not included in this Context Group).

5. The illustrations of the NYU anatomy use female genitalia to show the genitocrural fold, but it is believed that the intent is to identify the region irrespective of sex, so (280387007, SCT, "Groin skin crease") is used rather than (87706001, SCT, "Skin of crurovulvar fold").

6. There is some uncertainty regarding the distinction between the antitragus and the intertragal incisure and whether the latter is represented at all in the NYU and Mayo drawings. The more recent mapping decision of Kenneweg et al has been adopted here, even though the text meaning differs from that for the NYU and Mayo schemes.

7. There is some uncertainty regarding the distinction between the skin of the forehead and the frontal region of the scalp; (68698007, SCT, "Skin of forehead") is used rather than (699900002, SCT, "Skin of frontal region of scalp") , even though the later would be more consistent with the other scalp regions (parietal, temporal and occipital).

8. Laterality is pre-coordinated in most of the NYU and Mayo codes, but by convention is factored out and encoded seperately in DICOM. The appropriate modifiers are listed in CID 245 “Laterality with Median”. The left and right modifiers

correspond to the NYU/Mayo columns labelled "L" and "R" in this context group table. An entry in the "M" column of this table means that the NYU or Mayo code is for a midline or unpaired structure or refers to the median part of a structure that spans from left to right.

CID 4030 CT, MR and PET Anatomy Imaged

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.307**

Table CID 4030. CT, MR and PET Anatomy Imaged

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 4031 “Common Anatomic Regions”				
SCT	7832008	Abdominal aorta	T-42500	C0003484
SCT	23451007	Adrenal gland	T-B3000	C0001625
SCT	57034009	Aortic arch	T-42300	C0003489
SCT	12738006	Brain	T-A0100	C0006104
SCT	69105007	Carotid Artery	T-45010	C0007272
SCT	113305005	Cerebellum	T-A6000	C0007765
SCT	11279006	Circle of Willis	T-45520	C0008812
SCT	41801008	Coronary artery	T-43000	C0205042
SCT	128320002	Cranial venous system	T-A0191	C0447118
SCT	299716001	Iliac and/or femoral artery	T-41068	C0576469
SCT	64033007	Kidney	T-71000	C0022646
SCT	10200004	Liver	T-62000	C0023884
SCT	15776009	Pancreas	T-65000	C0030274
SCT	111002	Parathyroid	T-B7000	C0030518
SCT	81040000	Pulmonary artery	T-44000	C0034052
SCT	2841007	Renal artery	T-46600	C0035065
SCT	78961009	Spleen	T-C3000	C0037993
SCT	40689003	Testis	T-94000	C0039597
SCT	113262008	Thoracic aorta	T-42070	C1522460
SCT	9875009	Thymus	T-C8000	C0040113
SCT	69748006	Thyroid	T-B6000	C0040132
SCT	35039007	Uterus	T-83000	C0042149

CID 4031 Common Anatomic Regions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.308**

Table CID 4031. Common Anatomic Regions

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	113345001	Abdomen	T-D4000	C0000726
SCT	416949008	Abdomen and Pelvis	R-FAB57	C1508499
SCT	85856004	Acromioclavicular joint	T-15420	C0001208
SCT	70258002	Ankle joint	T-15750	C0003087
SCT	53505006	Anus	T-59900	C0003461
SCT	86598002	Apex of Lung	T-280A0	C0225703
SCT	28273000	Bile duct	T-60610	C0005400
SCT	89837001	Bladder	T-74000	C0005682
SCT	72001000	Bone of lower limb	T-12700	C0448188
SCT	371195002	Bone of upper limb	T-D0821	C0003793
SCT	76752008	Breast	T-04000	C0006141
SCT	955009	Bronchus	T-26000	C0006255
SCT	80144004	Calcaneus	T-12770	C0006655
SCT	122494005	Cervical spine	T-11501	C0728985
SCT	297171002	Cervico-thoracic spine	T-D00F7	C0729373
SCT	51185008	Chest	T-D3000	C0817096
SCT	416550000	Chest and Abdomen	R-FAB55	C1442171
SCT	416775004	Chest, Abdomen and Pelvis	R-FAB56	C1562547
SCT	51299004	Clavicle	T-12310	C0008913
SCT	64688005	Coccyx	T-11BF0	C0009194
SCT	71854001	Colon	T-59300	C0009368
SCT	38848004	Duodenum	T-58200	C0013303
SCT	16953009	Elbow joint	T-15430	C0013770
SCT	38266002	Entire body	T-D0010	C0229960
SCT	32849002	Esophagus	T-56000	C0014876
SCT	110861005	Esophagus, stomach and duodenum	T-DD163	C1268410
SCT	66019005	Extremity	T-D0300	C0015385
SCT	81745001	Eye	T-AA000	C0015392
SCT	371398005	Eye region	T-D0801	C0700042
SCT	91397008	Facial bones	T-11196	C0015455
SCT	71341001	Femur	T-12710	C0015811
SCT	87342007	Fibula	T-12750	C0016068
SCT	7569003	Finger	T-D8800	C0016129
SCT	56459004	Foot	T-D9700	C0016504
SCT	14975008	Forearm	T-D8500	C0016536
SCT	28231008	Gallbladder	T-63000	C0016976
SCT	85562004	Hand	T-D8700	C0018563
SCT	69536005	Head	T-D1100	C0018670
SCT	774007	Head and Neck	T-D1000	C0460004

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	80891009	Heart	T-32000	C0018787
SCT	29836001	Hip joint	T-15710	C0019558
SCT	85050009	Humerus	T-12410	C0020164
SCT	34516001	Ileum	T-58600	C0020885
SCT	22356005	Ilium	T-12340	C0020889
SCT	361078006	Internal Auditory Canal	T-AB959	C1283773
SCT	661005	Jaw region	T-D1213	C0022359
SCT	21306003	Jejunum	T-58400	C0022378
SCT	72696002	Knee	T-D9200	C0022742
SCT	14742008	Large intestine	T-59000	C0021851
SCT	4596009	Larynx	T-24100	C0023078
SCT	30021000	Lower leg	T-D9400	C1140621
SCT	61685007	Lower limb	T-D9000	C0023216
SCT	122496007	Lumbar spine	T-11503	C0024091
SCT	297173004	Lumbo-sacral spine	T-D00F9	C0574025
SCT	91609006	Mandible	T-11180	C0024687
SCT	59066005	Mastoid bone	T-11133	C0446908
SCT	70925003	Maxilla	T-11170	C0024947
SCT	72410000	Mediastinum	T-D3300	C0025066
SCT	102292000	Muscle of lower limb	T-14668	C0584890
SCT	30608006	Muscle of upper limb	T-13600	C0559498
SCT	74386004	Nasal bone	T-11149	C0027422
SCT	45048000	Neck	T-D1600	C0027530
SCT	417437006	Neck and Chest	R-FAB52	C1562459
SCT	416152001	Neck, Chest and Abdomen	R-FAB53	C1562378
SCT	416319003	Neck, Chest, Abdomen and Pelvis	R-FAB54	C1562776
SCT	55024004	Optic canal	T-11102	C0450102
SCT	363654007	Orbital structure	T-D14AE	C0029180
SCT	110621006	Pancreatic duct and bile duct systems	T-65600	C1267614
SCT	2095001	Paranasal sinus	T-22000	C0030471
SCT	45289007	Parotid gland	T-61100	C0030580
SCT	64234005	Patella	T-12730	C0030647
SCT	12921003	Pelvis	T-D6000	C0030797
SCT	416631005	Pelvis and lower extremities	R-FAB58	C1562943
DCM	113681	Phantom		C0282611
SCT	41216001	Prostate	T-92000	C0033572
SCT	34402009	Rectum	T-59600	C0034896
SCT	113197003	Rib	T-11300	C0035561
SCT	39723000	Sacroiliac joint	T-15680	C0036036

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	54735007	Sacrum	T-11AD0	C0036037
SCT	79601000	Scapula	T-12280	C0036277
SCT	42575006	Sella turcica	T-D1460	C0036609
SCT	58742003	Sesamoid bones of foot	T-12980	C0278418
SCT	16982005	Shoulder	T-D2220	C0037004
SCT	89546000	Skull	T-11100	C0037303
SCT	30315005	Small intestine	T-58000	C0021852
SCT	421060004	Spine	T-D04FF	C0037949
SCT	7844006	Sternoclavicular joint	T-15610	C0038291
SCT	56873002	Sternum	T-11210	C0038293
SCT	69695003	Stomach	T-57000	C0038351
SCT	54019009	Submandibular gland	T-61300	C0038556
SCT	27949001	Tarsal joint	T-15770	C0039318
SCT	53620006	Temporomandibular joint	T-15290	C0039493
SCT	68367000	Thigh	T-D9100	C0039866
SCT	122495006	Thoracic spine	T-11502	C0581269
SCT	297172009	Thoraco-lumbar spine	T-D00F8	C0729374
SCT	76505004	Thumb	T-D8810	C0040067
SCT	29707007	Toe	T-D9800	C0040357
SCT	44567001	Trachea	T-25000	C0040578
SCT	40983000	Upper arm	T-D8200	C0446516
SCT	53120007	Upper limb	T-D8000	C1140618
SCT	431491007	Upper urinary tract	T-7000B	C2317509
SCT	87953007	Ureter	T-73000	C0041951
SCT	13648007	Urethra	T-75000	C0041967
SCT	110639002	Uterus and fallopian tubes	T-88920	C1267676
SCT	110517009	Vertebral column and cranium	T-11011	C1266914
SCT	74670003	Wrist joint	T-15460	C1322271
SCT	13881006	Zygoma	T-11166	C0043539

Note

1. In a prior version of this table, the code T-D1217 was specified for the concept "Maxilla and mandible". The use of this code conflicts with its assignment to another concept in SNOMED, and its use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

2. In a prior version of this table, the code T-D8300 was used for T-15430, T-12402 for T-D8500, T-15710 for T-D2500, T-73800 for T-73000, and T-11167 for T-11166. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 4032 MR Spectroscopy Metabolites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20040322**
UID: **1.2.840.10008.6.1.309**

Table CID 4032. MR Spectroscopy Metabolites

Coding Scheme Designator	Code Value	Code Meaning
Include CID 4033 “MR Proton Spectroscopy Metabolites”		

CID 4033 MR Proton Spectroscopy Metabolites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.310**

Table CID 4033. MR Proton Spectroscopy Metabolites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
SCT	115391007	N-acetylaspartate	F-65C50	C0067684	DT (ppm, UCUM, "ppm")
SCT	59351004	Citrate	F-61080	C0376259	DT (ppm, UCUM, "ppm")
SCT	65123005	Choline	F-61620	C0008405	DT (ppm, UCUM, "ppm")
SCT	14804005	Creatine	F-61380	C0010286	DT (ppm, UCUM, "ppm")
DCM	113094	Creatine and Choline			DT (ppm, UCUM, "ppm")
SCT	83036002	Lactate	F-61760	C0376261	DT (ppm, UCUM, "ppm")
SCT	70106000	Lipid	F-63600	C0023779	DT (ppm, UCUM, "ppm")
DCM	113095	Lipid and Lactate			DT (ppm, UCUM, "ppm")
DCM	113080	Glutamate and glutamine			DT (ppm, UCUM, "ppm")
SCT	25761002	Glutamine	F-64210	C0017797	DT (ppm, UCUM, "ppm")
SCT	10944007	Tuarine	F-64460	C0039350	DT (ppm, UCUM, "ppm")
SCT	72164009	Inositol	F-61A90	C0021547	DT (ppm, UCUM, "ppm")
DCM	113081	Choline/Creatine Ratio			DT (ppm, UCUM, "ppm")
DCM	113082	N-acetylaspartate/Creatine Ratio			DT (ppm, UCUM, "ppm")
DCM	113083	N-acetylaspartate/Choline Ratio			DT (ppm, UCUM, "ppm")
DCM	113096	Creatine+Choline/Citrate Ratio			DT (ppm, UCUM, "ppm")

Note

For the purpose of this context group, where possible, the resonance peak in the spectrum corresponding to a particular metabolite is described using the concept from SNOMED for the substance corresponding to the metabolite. E.g., the code used for "lipid" is the code for "lipid (substance) ", as this concept is effectively post-coordinated by its use in the Metabolite Map Code Sequence (0018,9083) to mean "lipid resonance peaks in MR spectroscopy".

CID 4040 Endoscopy Anatomic Regions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.311**

Table CID 4040. Endoscopy Anatomic Regions

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	113345001	Abdomen	T-D4000	C0000726
SCT	110612005	Anus, rectum and sigmoid colon	T-59490	C1267595
SCT	28273000	Bile duct	T-60610	C0005400
SCT	89837001	Bladder	T-74000	C0005682
SCT	110837003	Bladder and urethra	T-DD123	C1268386
SCT	955009	Bronchus	T-26000	C0006255
SCT	71252005	Cervix	T-83200	C0007874
SCT	51185008	Chest	T-D3000	C0817096
SCT	110861005	Esophagus, stomach and duodenum	T-DD163	C1268410
SCT	84301002	External auditory canal	T-AB200	C0013444
SCT	28231008	Gallbladder	T-63000	C0016976
SCT	26893007	Inguinal region	T-D7000	C0018246
SCT	39352004	Joint	T-15001	C0022417
SCT	64033007	Kidney	T-71000	C0022646
SCT	72696002	Knee	T-D9200	C0022742
SCT	14742008	Large intestine	T-59000	C0021851
SCT	4596009	Larynx	T-24100	C0023078
SCT	91747007	Lumen of blood vessel	T-40230	C0524424
SCT	72410000	Mediastinum	T-D3300	C0025066
SCT	360955006	Nasopharynx	T-2300C	C1283682
SCT	2095001	Paranasal sinus	T-22000	C0030471
SCT	54066008	Pharynx	T-55000	C0031354
SCT	312535008	Pharynx and larynx	T-20101	C0729889
SCT	34402009	Rectum	T-59600	C0034896
SCT	16982005	Shoulder	T-D2220	C0037004
SCT	60184004	Sigmoid colon	T-59470	C0227391
SCT	421060004	Spine	T-D04FF	C0037949
SCT	110726009	Trachea and bronchus	T-DD006	C1268276
SCT	431491007	Upper urinary tract	T-7000B	C2317509
SCT	87953007	Ureter	T-73000	C0041951
SCT	110639002	Uterus and fallopian tubes	T-88920	C1267676

Note

1. See Annex I for examples of the relationship between anatomic regions and type of endoscopy performed.
2. In a prior version of this table, the code T-55002 was used for T-55000, and T-73800 for T-73000. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 4042 XA/XRF Anatomy Imaged

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.312**

Table CID 4042. XA/XRF Anatomy Imaged

Coding Scheme Designator	Code Value	Code Meaning
Include CID 3010 “Cardiovascular Anatomic Locations”		
Include CID 4031 “Common Anatomic Regions”		

CID 4050 Drug or Contrast Agent Characteristics

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070124**
UID: **1.2.840.10008.6.1.313**

Table CID 4050. Drug or Contrast Agent Characteristics

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	127489000	Active Ingredient	G-C52F	C1292749
DCM	121380	Active Ingredient Undiluted Concentration		
DCM	121381	Contrast/Bolus Ingredient Opaque		
SCT	118565006	Volume	G-D705	C0449468

CID 4051 General Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160525**
UID: **1.2.840.10008.6.1.314**

Table CID 4051. General Devices

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 8 “Angiographic Interventional Devices”				
Include CID 3451 “Calibration Objects”				
Include CID 4052 “Phantom Devices”				
SCT	61968008	Syringe	A-10150	C0039142

CID 4052 Phantom Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20061023**
UID: **1.2.840.10008.6.1.315**

Table CID 4052. Phantom Devices

Coding Scheme Designator	Code Value	Code Meaning
DCM	113681	Phantom
DCM	113682	ACR Accreditation Phantom - CT
DCM	113683	ACR Accreditation Phantom - MR
DCM	113684	ACR Accreditation Phantom - Mammography
DCM	113685	ACR Accreditation Phantom - Stereotactic Breast Biopsy
DCM	113686	ACR Accreditation Phantom - ECT
DCM	113687	ACR Accreditation Phantom - PET
DCM	113688	ACR Accreditation Phantom - ECT/PET
DCM	113689	ACR Accreditation Phantom - PET Faceplate
DCM	113690	IEC Head Dosimetry Phantom
DCM	113691	IEC Body Dosimetry Phantom
DCM	113692	NEMA XR21-2000 Phantom

CID 4100 T1 Measurement Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.985**

Table CID 4100. T1 Measurement Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	126350	T1 by Multiple Flip Angles
DCM	126351	T1 by Inversion Recovery
DCM	126352	T1 by Fixed Value

CID 4101 Tracer Kinetic Models

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160316**
UID: **1.2.840.10008.6.1.986**

Table CID 4101. Tracer Kinetic Models

Coding Scheme Designator	Code Value	Code Meaning
DCM	126340	Standard Tofts Model
DCM	126341	Extended Tofts Model
DCM	126343	First Pass Leakage Profile (FPLP) Model
DCM	126344	Shutter-Speed Model (SSM)
DCM	126345	Gamma Capillary Transit Time (GCTT) Model
DCM	126346	Adiabatic Tissue Homogeneity (ATH) Model
DCM	126347	Two Compartment Exchange (2CX) Model

CID 4102 Perfusion Measurement Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.987**

Table CID 4102. Perfusion Measurement Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	126300	Perfusion analysis by Stable Xenon CT technique
DCM	126301	Perfusion analysis by IV Iodinated Contrast CT technique
DCM	126302	Perfusion analysis by Arterial Spin Labeling MR technique
DCM	126303	Perfusion analysis by Susceptibility MR technique

CID 4103 Arterial Input Function Measurement Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.988**

Table CID 4103. Arterial Input Function Measurement Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	126360	AIF Ignored
DCM	126361	Population Averaged AIF
DCM	126362	User-defined AIF ROI
DCM	126363	Automatically Detected AIF ROI
DCM	126364	Blind Estimation of AIF

Note

The anatomic location relevant to the application of any AIF method is not pre-coordinated in concepts in this Context Group. Typically these would be described by the Finding Site of any related measurements in the appropriate Template.

CID 4104 Bolus Arrival Time Derivation Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.989**

Table CID 4104. Bolus Arrival Time Derivation Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	126373	Temporal Derivative Exceeds Threshold
DCM	126370	Time of Peak Concentration
DCM	126372	Time of Leading Half-Peak Concentration

CID 4105 Perfusion Analysis Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.990**

Table CID 4105. Perfusion Analysis Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	126310	Least Mean Square (LMS) deconvolution
DCM	126311	Singular Value Decomposition (SVD) deconvolution

CID 4106 Quantitative Methods used for Perfusion And Tracer Kinetic Models

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.991**

Table CID 4106. Quantitative Methods used for Perfusion And Tracer Kinetic Models

Coding Scheme Designator	Code Value	Code Meaning
Include CID 4100 “T1 Measurement Methods”		
Include CID 4101 “Tracer Kinetic Models”		
Include CID 4102 “Perfusion Measurement Methods”		
Include CID 4103 “Arterial Input Function Measurement Methods”		
Include CID 4104 “Bolus Arrival Time Derivation Methods”		
Include CID 4105 “Perfusion Analysis Methods”		
DCM	126342	Model-free concentration-time quantitification

Note

1. Concepts from this context group may be used in measurement Templates to describe the measurement method of measurement on an ROI.

   E.g., NUM (126312, DCM, "Ktrans") = 0.0185 /min; (370129005, SCT, "Measurement Method") = (126341, DCM, "Extended Tofts Model")

CID 4107 Tracer Kinetic Model Parameters

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.992**

Table CID 4107. Tracer Kinetic Model Parameters

Coding Scheme Designator	Code Value	Code Meaning	Units
DCM	126312	Ktrans	DT (/min, UCUM, "/min")
DCM	126313	kep	DT (/min, UCUM, "/min")
DCM	126314	ve	DT ({ratio}, UCUM, "ratio")
DCM	126330	tau_m	DT (s, UCUM, "s")
DCM	126331	vp	DT ({ratio}, UCUM, "ratio")

CID 4108 Perfusion Model Parameters

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190326**
UID: **1.2.840.10008.6.1.993**

Table CID 4108. Perfusion Model Parameters

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
DCM	126390	Absolute Regional Blood Flow			DT (ml/(100.ml)/min, UCUM, "ml/(100.ml)/min") DT (ml/(100.g)/min, UCUM, "ml/(100.g)/min")
DCM	126391	Absolute Regional Blood Volume			DT (ml/(100.ml), UCUM, "ml/(100.ml)") DT (ml/(100.g), UCUM, "ml/(100.g)")
DCM	126397	Relative Regional Blood Flow			DT ({ratio}, UCUM, "ratio")
DCM	126398	Relative Regional Blood Volume			DT ({ratio}, UCUM, "ratio")
DCM	113052	Mean Transit Time			DT (s, UCUM, "s")
DCM	113069	Time To Peak			DT (s, UCUM, "s")
DCM	126392	Oxygen Extraction Fraction			
DCM	113084	Tmax			DT (s, UCUM, "s")

Note

Previously, concepts specific to the brain (e.g., regional cerebral blood flow) were included in this Context Group, but these have been retired in favor of using the non-body-part-specific concepts. See DICOM PS3.16 2019a.

CID 4109 Model-Independent Dynamic Contrast Analysis Parameters

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150916**
UID: **1.2.840.10008.6.1.994**

Table CID 4109. Model-Independent Dynamic Contrast Analysis Parameters

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
DCM	126320	IAUC			DT (mmol/l.s, UCUM, "mmol/l.s")
DCM	126321	IAUC60			DT (mmol/l.s, UCUM, "mmol/l.s")
DCM	126322	IAUC90			DT (mmol/l.s, UCUM, "mmol/l.s")
DCM	126323	IAUC180			DT (mmol/l.s, UCUM, "mmol/l.s")
DCM	126324	IAUCBN			DT {normalized}, UCUM, "normalized"
DCM	126325	IAUC60BN			DT {/AIF}, UCUM, "/AIF"
DCM	126326	IAUC90BN			DT {/AIF}, UCUM, "/AIF"
DCM	126327	IAUC180BN			DT {/AIF}, UCUM, "/AIF"
DCM	126370	Time of Peak Concentration			DT (s, UCUM, "s")
DCM	126372	Time of Leading Half-Peak Concentration			DT (s, UCUM, "s")

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
DCM	126371	Bolus Arrival Time			DT (s, UCUM, "s")
DCM	113069	Time To Peak			DT (s, UCUM, "s")
DCM	126374	Temporal Derivative Threshold			
DCM	126375	Maximum Slope			
DCM	126376	Maximum Difference			
DCM	126377	Tracer Concentration			DT (mmol/l, UCUM, "mmol/l")

Note

(126326, DCM, "IAUC90BN") can be used for DCE-MRI using a Gd-based contrast agent to represent the $IAUGC_{BN}$ measurement in the claim of the QIBA DCE MRI Quantification Profile, though the concept itself is not specific to the modality or the contast agent used. See http://www.rsna.org/QIBA_Protocols_and_Profiles.aspx. See also Ng, CS., et al. "Reproducibility of Perfusion Parameters in Dynamic Contrast-Enhanced MRI of Lung and Liver Tumors: Effect on Estimates of Patient Sample Size in Clinical Trials and on Individual Patient Responses." *AJR* 194, no. 2 (February 1, 2010): W134-40. http://dx.doi.org/10.2214/AJR.09.3116.

The type of contrast agent and the AIF used for blood normalization may or may not be post-coordinated.

E.g., voxel-wise $IAUC_{BN}$ measurements encoded as a parametric map with the quantity defined by the Quantity Definition Sequence (0040,9220) in a Real World Value Map might be encoded as:

(246205007, SCT, "Quantity") = (126326, DCM, "IAUC90BN")

(370129005, SCT, "Measurement Method") = (126362, DCM, "User-defined AIF ROI")

(123011, DCM, "Contrast Bolus/Agent") = (58281002, SCT, "Gadolinium")

E.g., an $IAUC_{BN}$ measurement for an ROI encoded in a structured report might be encoded as:

NUM (126326, DCM, "IAUC90BN") = 0.230 (UNITS = ({normalized}, UCUM, "normalized")

>HAS CONCEPT MOD: CODE (370129005, SCT, "Measurement Method") = (126364, DCM, "Blind Estimation of AIF")

Note that the generic ROI measurement templates do not have the contrast/bolus agent as a parameter; this may be implicit from context, or inherited from the (121058, DCM,"Procedure reported") in the parent template.

CID 4110 Tracer Kinetic Modeling Covariates

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.995**

Table CID 4110. Tracer Kinetic Modeling Covariates

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	20570-8	Hematocrit	C0803379

CID 4111 Contrast Characteristics

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**

UID: **1.2.840.10008.6.1.996**

Table CID 4111. Contrast Characteristics

Coding Scheme Designator	Code Value	Code Meaning
DCM	126380	Contrast Longitudinal Relaxivity

CID 4200 Ophthalmic Imaging Agent

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040921**
UID: **1.2.840.10008.6.1.316**

Table CID 4200. Ophthalmic Imaging Agent

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	350086004	Fluorescein	C-B02CC	C0060520
SCT	7292004	Indocyanine green	C-B0156	C0021234
SCT	330888007	Rose Bengal	C-B0295	C0035857
SCT	60441008	Trypan blue	C-22853	C0041213
SCT	354064008	Methylene blue	C-B02C5	C0025746

CID 4201 Patient Eye Movement Command

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040921**
UID: **1.2.840.10008.6.1.317**

Table CID 4201. Patient Eye Movement Command

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	408744005	Primary gaze	R-1022D	C1443287
SCT	255533007	Upward gaze	R-404BF	C0439774
SCT	255525006	Left upgaze	R-404B9	C0439769
SCT	255530005	Left gaze	R-404BC	C0439773
SCT	255523004	Left downgaze	R-404B7	C0439772
SCT	255521002	Downgaze	R-404B6	C0439777
SCT	255524005	Right downgaze	R-404B8	C0439763
SCT	255531009	Right gaze	R-404BD	C0439765
SCT	255526007	Right upgaze	R-404BA	C0439760
SCT	408745006	Convergent gaze	R-10227	C1446614

CID 4202 Ophthalmic Photography Acquisition Device

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100607**
UID: **1.2.840.10008.6.1.318**

Table CID 4202. Ophthalmic Photography Acquisition Device

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	409898007	Fundus Camera	R-1021A	C0179536
SCT	397247004	Slit Lamp Biomicroscope	A-2B201	C0183355
SCT	409903006	External Camera	R-1021B	C1444146
SCT	409899004	Specular Microscope	R-1021C	C1444145
SCT	102321001	Operating Microscope	A-2B210	C0181849
SCT	392001008	Scanning Laser Ophthalmoscope	A-00E8A	C0392288
SCT	409901008	Indirect Ophthalmoscope	R-1021D	C0182048
SCT	409900009	Direct Ophthalmoscope	R-1021E	C0182047
SCT	409902001	Ophthalmic Endoscope	R-1021F	C0493036
SCT	397522002	Keratoscope	A-00FCA	C0181448
SCT	420827006	Pupillograph	A-00FF4	C0182567

CID 4203 Ophthalmic Photography Illumination

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100607**
UID: **1.2.840.10008.6.1.319**

Table CID 4203. Ophthalmic Photography Illumination

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	410461001	Dual diffuse direct illumination	R-1020E	C1444589
SCT	410462008	Fine slit beam direct illumination	R-1020F	C1444590
SCT	410463003	Broad tangential direct illumination	R-10211	C1444591
SCT	410464009	Indirect sclerotic scatter illumination	R-10213	C1444592
SCT	410465005	Indirect retroillumination from the iris	R-10215	C1444593
SCT	410466006	Indirect retroillumination from the retina	R-10217	C1444594
SCT	410467002	Indirect iris transillumination	R-10218	C1444595
DCM	111625	Diffuse direct illumination		
DCM	111627	Scotopic light		
DCM	111628	Mesopic light		
DCM	111629	Photopic light		
DCM	111630	Dynamic light		

Note

Reference: From the OPS web site: http://www.opsweb.org/page/slitbiomicrography

CID 4204 Ophthalmic Filter

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110112**
UID: **1.2.840.10008.6.1.320**

Table CID 4204. Ophthalmic Filter

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	445465004	Green optical filter	A-010E2	C2919396
SCT	445279009	Red optical filter	A-010DF	C2919397
SCT	445084008	Blue optical filter	A-010DA	C2919751
SCT	445340000	Yellow-green optical filter	A-010E0	C2919190
SCT	422915004	Blue-green optical filter	A-010D8	C1828251
SCT	445169002	Infrared optical filter	A-010DC	C2919637
SCT	445391002	Polarizing optical filter	A-010E1	C2919554
DCM	111609	No filter		

CID 4205 Ophthalmic Lens

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040921**
UID: **1.2.840.10008.6.1.321**

Table CID 4205. Ophthalmic Lens

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	409897002	Indirect ophthalmoscopy lens	R-10219	C1444144
SCT	409783000	Concave contact fundus lens	R-10239	C1444081
SCT	410688004	Concave noncontact fundus lens	R-1023A	C1444761
SCT	410686000	Contact fundus lens	R-1023B	C1444759
SCT	389156006	Goniolens	A-00FAD	C1300255
SCT	410687009	Convex noncontact fundus lens	R-1023D	C1444760
SCT	410685001	Noncontact fundus lens	R-1023E	C1444758
SCT	410689007	Convex contact fundus lens	R-1023C	C1444762

CID 4206 Ophthalmic Channel Description

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040921**
UID: **1.2.840.10008.6.1.322**

Table CID 4206. Ophthalmic Channel Description

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	405738005	Blue	G-A12F	C1260957
SCT	414298005	Full Spectrum	R-102C0	C1532530
SCT	371246006	Green	G-A11E	C0332583
SCT	414497003	Infrared	R-102BE	C1532326
SCT	371240000	Red	G-A11A	C1260956
SCT	405739002	Red free	G-A132	C1319009

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	415770004	Ultraviolet	R-102BF	C1532472

CID 4207 Ophthalmic Image Position

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110825**
UID: **1.2.840.10008.6.1.323**

Table CID 4207. Ophthalmic Image Position

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	408734008	Diabetic Retinopathy Study field 1	R-10229	C1443282
SCT	410434001	Diabetic Retinopathy Study field 2	R-1022A	C1444567
SCT	410435000	Diabetic Retinopathy Study field 3	R-1022B	C1444568
SCT	410436004	Diabetic Retinopathy Study field 4	R-1022C	C1444569
SCT	410437008	Diabetic Retinopathy Study field 5	R-1022E	C1444570
SCT	410438003	Diabetic Retinopathy Study field 6	R-1022F	C1444571
SCT	410439006	Diabetic Retinopathy Study field 7	R-10231	C1444572
DCM	111621	Field 1 for Joslin3 field		
DCM	111622	Field 2 for Joslin 3 field		
DCM	111623	Field 3 for Joslin 3 field		
DCM	111900	Macula centered		
DCM	111901	Disc centered		
DCM	111902	Lesion centered		
DCM	111903	Disc-macula centered		
DCM	111904	Mid-peripheral-superior		
DCM	111905	Mid-peripheral-superior temporal		
DCM	111906	Mid-peripheral-temporal		
DCM	111907	Mid-peripheral-inferior temporal		
DCM	111908	Mid-peripheral-inferior		
DCM	111909	Mid-peripheral-inferior nasal		
DCM	111910	Mid-peripheral-nasal		
DCM	111911	Mid-peripheral-superior nasal		
DCM	111912	Peripheral-superior		
DCM	111913	Peripheral-superior temporal		
DCM	111914	Peripheral-temporal		
DCM	111915	Peripheral-inferior temporal		
DCM	111916	Peripheral-inferior		
DCM	111917	Peripheral-inferior nasal		
DCM	111918	Peripheral-nasal		
DCM	111919	Peripheral-superior nasal		

CID 4208 Mydriatic Agent

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040921**
UID: **1.2.840.10008.6.1.324**

Table CID 4208. Mydriatic Agent

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	349947003	Atropine	C-677B9	C0360182
SCT	82264009	Homatropine	C-677C0	C0062922
SCT	8348002	Cyclopentolate	C-97520	C0010582
SCT	386693003	Phenylephrine	C-68165	C0717985
SCT	9190005	Tropicamide	C-97580	C0041190

CID 4209 Ophthalmic Anatomic Structure Imaged

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040921**
UID: **1.2.840.10008.6.1.325**

Table CID 4209. Ophthalmic Anatomic Structure Imaged

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	31636006	Anterior chamber of eye	T-AA050	C0003151
SCT	40638003	Both eyes	T-AA180	C0229118
SCT	68703001	Choroid of eye	T-AA310	C0008520
SCT	29534007	Ciliary body	T-AA400	C0008779
SCT	29445007	Conjunctiva	T-AA860	C0009758
SCT	28726007	Cornea	T-AA200	C0010031
SCT	81745001	Eye	T-AA000	C0015392
SCT	80243003	Eyelid	T-AA810	C0015426
SCT	67046006	Fovea centralis	T-AA621	C0016622
SCT	41296002	Iris	T-AA500	C0022077
SCT	43045000	Lacrimal caruncle	T-AA862	C0446860
SCT	13561001	Lacrimal gland	T-AA910	C0022907
SCT	3954005	Lacrimal sac	T-AA940	C0229289
SCT	78076003	Lens	T-AA700	C0023317
SCT	62736007	Lower Eyelid	T-AA830	C0229258
SCT	53549008	Ophthalmic artery	T-45400	C0029078
SCT	81016008	Optic nerve head	T-AA630	C0029127
SCT	5665001	Retina	T-AA610	C0035298
SCT	18619003	Sclera	T-AA110	C0036410
SCT	38934000	Upper Eyelid	T-AA820	C0585636

CID 4210 Ophthalmic Tomography Acquisition Device

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20131014**
UID: **1.2.840.10008.6.1.326**

Table CID 4210. Ophthalmic Tomography Acquisition Device

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	392012008	Optical Coherence Tomography Scanner	A-00FBE	C1271441
SCT	416567007	Retinal Thickness Analyzer	R-FAB5A	C1562933
SCT	392004000	Confocal Scanning Laser Ophthalmoscope	A-00E8B	C1271438
DCM	111626	Scheimpflug Camera		
SCT	392007007	Scanning Laser Polarimeter	A-00E8C	C1271440
DCM	111945	Elevation-based corneal tomographer		
DCM	111946	Reflection-based corneal topographer		
DCM	111947	Interferometry-based corneal tomographer		

CID 4211 Ophthalmic OCT Anatomic Structure Imaged

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20071016**
UID: **1.2.840.10008.6.1.327**

Table CID 4211. Ophthalmic OCT Anatomic Structure Imaged

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	31636006	Anterior chamber of eye	T-AA050	C0003151
SCT	68703001	Choroid of eye	T-AA310	C0008520
SCT	29534007	Ciliary body	T-AA400	C0008779
SCT	29445007	Conjunctiva	T-AA860	C0009758
SCT	28726007	Cornea	T-AA200	C0010031
SCT	41296002	Iris	T-AA500	C0022077
SCT	78076003	Lens	T-AA700	C0023317
SCT	81016008	Optic nerve head	T-AA630	C0029127
SCT	5665001	Retina	T-AA610	C0035298
SCT	18619003	Sclera	T-AA110	C0036410
SCT	26386000	Vitreous	T-AA079	C0229095
SCT	15775008	Corneal epithelium	T-AA220	C0459875
SCT	65431007	Corneal endothelium	T-AA260	C0014258

CID 4214 Ophthalmic Horizontal Directions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080124**

UID: **1.2.840.10008.6.1.800**

Table CID 4214. Ophthalmic Horizontal Directions

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255460003	Inward	G-C028	C0439786
SCT	255543005	Outward	R-404C7	C0439788

CID 4215 Ophthalmic Vertical Directions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080124**
UID: **1.2.840.10008.6.1.801**

Table CID 4215. Ophthalmic Vertical Directions

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255532002	Up	R-404BE	C0547043
SCT	255518004	Down	R-404B3	C0205104

CID 4216 Ophthalmic Visual Acuity Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080124**
UID: **1.2.840.10008.6.1.802**

Table CID 4216. Ophthalmic Visual Acuity Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111685	Autorefraction Visual Acuity		
DCM	111686	Habitual Visual Acuity		
DCM	111687	Prescription Visual Acuity		
SCT	424622008	Potential Acuity Meter Visual Acuity	F-04ECE	C1827765
SCT	419775003	Best Corrected Visual Acuity	F-04D54	C1690532
SCT	420050001	Uncorrected Visual Acuity	F-04D53	C1637380
SCT	419475002	Pinhole Visual Acuity	F-04D55	C1642831
SCT	425141002	Brightness Acuity Testing Visual Acuity	F-04ECF	C1827482

CID 4220 Visual Fixation Quality During Acquisition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090917**
UID: **1.2.840.10008.6.1.819**

Table CID 4220. Visual Fixation Quality During Acquisition

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	55011004	Steady	G-A555	C0205361
SCT	103361006	Not Steady	G-A556	C0439829
SCT	82334004	Indeterminate	G-A385	C0205258

CID 4221 Visual Fixation Quality Problem

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090917**
UID: **1.2.840.10008.6.1.820**

Table CID 4221. Visual Fixation Quality Problem

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	110518	Patient Movement		
SCT	251786004	Eccentric Fixation	F-02FA4	C0429578
DCM	110519	Operator Error		
DCM	110501	Equipment failure		

CID 4222 Ophthalmic Macular Grid Problem

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090917**
UID: **1.2.840.10008.6.1.821**

Table CID 4222. Ophthalmic Macular Grid Problem

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 4221 “Visual Fixation Quality Problem”				
SCT	301939004	Constricted Pupil	F-0123A	C0728710
SCT	193570009	Lens Opacity	DA-73402	C0086543
SCT	64634000	Corneal Opacity	DA-75300	C0010038
SCT	422061002	Vitreous Opacity	DA-7931D	C0152006
SCT	314348007	Poor Visual Fixation	R-20839	C1277657
SCT	60113004	Eyelid Disease	DA-76000	C0015423
DCM	111695	Interfering Tears or Drops		
SCT	39021009	Refractive Error	DA-74100	C0034951
DCM	111209	Patient Positioning Problem		
SCT	162290004	Dry Eyes Problem	F-F1722	C0314719

CID 4230 Ophthalmic Ultrasound Axial Measurements Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100623**

UID: **1.2.840.10008.6.1.876**

Table CID 4230. Ophthalmic Ultrasound Axial Measurements Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	111750	Ultrasound Contact
DCM	111751	Ultrasound Immersion

CID 4231 Lens Status

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100623**
UID: **1.2.840.10008.6.1.877**

Table CID 4231. Lens Status

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	24010005	Aphakic	DA-73410	C0003534
SCT	309649001	Phakic	R-2073F	C0587139
SCT	397559001	Phakic IOL	A-040F7	C1301524
SCT	370951003	Piggyback IOL	F-02087	C1299686
SCT	95217000	Pseudophakia	DA-73460	C0684343

CID 4232 Vitreous Status

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100623**
UID: **1.2.840.10008.6.1.878**

Table CID 4232. Vitreous Status

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	247094004	Gas in vitreous cavity	F-035F3	C0423372
SCT	232077005	Post-Vitrectomy	DA-7930D	C0339563
SCT	247095003	Silicone Oil	F-035FD	C0423373
SCT	372242005	Vitreous Only	T-AA092	C1299205

CID 4233 Ophthalmic Axial Length Measurements Segment Names

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100623**
UID: **1.2.840.10008.6.1.879**

Table CID 4233. Ophthalmic Axial Length Measurements Segment Names

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	28726007	Cornea	T-AA200	C0010031
SCT	31636006	Anterior Chamber	T-AA050	C0003151

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111778	Single or Anterior Lens		
DCM	111779	Posterior Lens		
SCT	26386000	Vitreous Cavity	T-AA079	C0229095

CID 4234 Refractive Surgery Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181111**
UID: **1.2.840.10008.6.1.880**

Table CID 4234. Refractive Surgery Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	51683002	RK	P1-A3102	C0022607
SCT	397516006	PRK	P1-A3835	C0395416
SCT	312965008	LASIK	P0-0526F	C0752094
SCT	414582004	LASEK	P1-A3846	C1449939
DCM	111681	SMILE		

CID 4235 Keratometry Descriptors

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100623**
UID: **1.2.840.10008.6.1.881**

Table CID 4235. Keratometry Descriptors

Coding Scheme Designator	Code Value	Code Meaning
DCM	111753	Manual Keratometry
DCM	111754	Auto Keratometry
DCM	111755	Simulated Keratometry
DCM	111756	Equivalent K-reading

CID 4236 IOL Calculation Formula

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190124**
UID: **1.2.840.10008.6.1.882**

Table CID 4236. IOL Calculation Formula

Coding Scheme Designator	Code Value	Code Meaning
DCM	111760	Haigis
DCM	111761	Haigis-L
DCM	111762	Holladay 1
DCM	111763	Holladay 2

Coding Scheme Designator	Code Value	Code Meaning
DCM	111764	Hoffer Q
DCM	111765	Olsen
DCM	111766	SRKII
DCM	111767	SRK-T
DCM	111860	Haigis Toric
DCM	111861	Haigis-L Toric
DCM	111862	Barrett Toric
DCM	111863	Barrett True-K
DCM	111864	Barrett True-K Toric
DCM	111865	Barrett Universal II

CID 4237 Lens Constant Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190124**
UID: **1.2.840.10008.6.1.883**

Table CID 4237. Lens Constant Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	397263007	A-Constant	F-048FA	C1301307
DCM	111768	ACD Constant		
DCM	111769	Haigis a0		
DCM	111770	Haigis a1		
DCM	111771	Haigis a2		
DCM	111772	Hoffer pACD Constant		
DCM	111773	Surgeon Factor		
DCM	111866	Barrett Lens Factor		
DCM	111867	Barrett Design Factor		

CID 4238 Refractive Error Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100623**
UID: **1.2.840.10008.6.1.884**

Table CID 4238. Refractive Error Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	57190000	Myopia	DA-74120	C0027092
SCT	38101003	Hyperopia	DA-74110	C0020490

CID 4239 Anterior Chamber Depth Definition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20100623**
UID: **1.2.840.10008.6.1.885**

Table CID 4239. Anterior Chamber Depth Definition

Coding Scheme Designator	Code Value	Code Meaning
DCM	111776	Front Of Cornea To Front Of Lens
DCM	111777	Back Of Cornea To Front Of Lens

CID 4240 Ophthalmic Measurement or Calculation Data Source

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190124**
UID: **1.2.840.10008.6.1.886**

Table CID 4240. Ophthalmic Measurement or Calculation Data Source

Coding Scheme Designator	Code Value	Code Meaning
DCM	111780	Measurement From This Device
DCM	113857	Manual Entry
DCM	111781	External Data Source
DCM	111782	Axial Measurements SOP Instance
DCM	111783	Refractive Measurements SOP Instance
DCM	111784	Autorefraction Measurements SOP Instance
DCM	111757	Keratometry Measurements SOP Instance

CID 4241 Ophthalmic Axial Length Selection Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100623**
UID: **1.2.840.10008.6.1.887**

Table CID 4241. Ophthalmic Axial Length Selection Method

Coding Scheme Designator	Code Value	Code Meaning
DCM	121412	Mean value chosen
DCM	121410	User chosen value

CID 4242 Cornea Measurement Method Descriptors

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190124**
UID: **1.2.840.10008.6.1.1275**

Table CID 4242. Cornea Measurement Method Descriptors

Coding Scheme Designator	Code Value	Code Meaning
DCM	111758	Total Cornea Power Measurement Method
DCM	111759	Posterior Cornea Surface Measurement Method
Include CID 4235 “Keratometry Descriptors”		

CID 4243 Ophthalmic Quality Metric Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100623**
UID: **1.2.840.10008.6.1.889**

Table CID 4243. Ophthalmic Quality Metric Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	111786	Standard Deviation of measurements used
DCM	111787	Signal to Noise Ratio

CID 4244 Ophthalmic Agent Concentration Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100623**
UID: **1.2.840.10008.6.1.890**

Table CID 4244. Ophthalmic Agent Concentration Units

Coding Scheme Designator	Code Value	Code Meaning
UCUM	%	Percent
UCUM	mg/ml	mg/ml

CID 4245 Wide Field Ophthalmic Photography Transformation Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150326**
UID: **1.2.840.10008.6.1.1029**

Table CID 4245. Wide Field Ophthalmic Photography Transformation Method

Coding Scheme Designator	Code Value	Code Meaning
DCM	111791	Spherical projection
DCM	111792	Surface contour mapping

CID 4250 Visual Field Static Perimetry Test Patterns

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100827**
UID: **1.2.840.10008.6.1.909**

Table CID 4250. Visual Field Static Perimetry Test Patterns

Coding Scheme Designator	Code Value	Code Meaning
DCM	111800	Visual Field 24-2 Test Pattern
DCM	111801	Visual Field 10-2 Test Pattern
DCM	111802	Visual Field 30-2 Test Pattern
DCM	111803	Visual Field 60-4 Test Pattern
DCM	111804	Visual Field Macula Test Pattern

Coding Scheme Designator	Code Value	Code Meaning
DCM	111805	Visual Field Central 40 Point Test Pattern
DCM	111806	Visual Field Central 76 Point Test Pattern
DCM	111807	Visual Field Peripheral 60 Point Test Pattern
DCM	111808	Visual Field Full Field 81 Point Test Pattern
DCM	111809	Visual Field Full Field 120 Point Test Pattern
DCM	111810	Visual Field G Test Pattern
DCM	111811	Visual Field M Test Pattern
DCM	111812	Visual Field 07 Test Pattern
DCM	111813	Visual Field LVC Test Pattern
DCM	111814	Visual Field Central Test Pattern

CID 4251 Visual Field Static Perimetry Test Strategies

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100827**
UID: **1.2.840.10008.6.1.910**

Table CID 4251. Visual Field Static Perimetry Test Strategies

Coding Scheme Designator	Code Value	Code Meaning
DCM	111815	Visual Field SITA-Standard Test Strategy
DCM	111816	Visual Field SITA-SWAP Test Strategy
DCM	111817	Visual Field SITA-Fast Test Strategy
DCM	111818	Visual Field Full Threshold Test Strategy
DCM	111819	Visual Field FastPac Test Strategy
DCM	111820	Visual Field Full From Prior Test Strategy
DCM	111821	Visual Field Optima Test Strategy
DCM	111822	Visual Field Two-Zone Test Strategy
DCM	111823	Visual Field Three-Zone Test Strategy
DCM	111824	Visual Field Quantify-Defects Test Strategy
DCM	111825	Visual Field TOP Test Strategy
DCM	111826	Visual Field Dynamic Test Strategy
DCM	111827	Visual Field Normal Test Strategy
DCM	111828	Visual Field 1-LT Test Strategy
DCM	111829	Visual Field 2-LT Test Strategy
DCM	111830	Visual Field LVS Test Strategy
DCM	111831	Visual Field GATE Test Strategy
DCM	111832	Visual Field GATEi Test Strategy
DCM	111833	Visual Field 2LT-Dynamic Test Strategy
DCM	111834	Visual Field 2LT-Normal Test Strategy
DCM	111835	Visual Field Fast Threshold Test Strategy
DCM	111836	Visual Field CLIP Test Strategy
DCM	111837	Visual Field CLASS Strategy

CID 4252 Visual Field Static Perimetry Screening Test Modes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100827**
UID: **1.2.840.10008.6.1.911**

Table CID 4252. Visual Field Static Perimetry Screening Test Modes

Coding Scheme Designator	Code Value	Code Meaning
DCM	111838	Age corrected
DCM	111839	Threshold related
DCM	111840	Single luminance
DCM	111841	Foveal sensitivity related
DCM	111842	Related to non macular sensitivity
DCM	121410	User chosen value

CID 4253 Visual Field Static Perimetry Fixation Strategy

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100827**
UID: **1.2.840.10008.6.1.912**

Table CID 4253. Visual Field Static Perimetry Fixation Strategy

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111843	Automated Optical		
DCM	111844	Blind Spot Monitoring		
DCM	111845	Macular Fixation Testing		
DCM	111846	Observation by Examiner		
SCT	260413007	None	R-40775	C0549184

CID 4254 Visual Field Static Perimetry Test Analysis Results

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100827**
UID: **1.2.840.10008.6.1.913**

Table CID 4254. Visual Field Static Perimetry Test Analysis Results

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111847	Outside normal limits		
DCM	111848	Borderline		
DCM	111849	Abnormally high sensitivity		
DCM	111850	General reduction in sensitivity		
DCM	111851	Borderline and general reduction in sensitivity		
SCT	125112009	Within normal limits	M-00101	C1265570

CID 4255 Visual Field Illumination Color

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100827**
UID: **1.2.840.10008.6.1.914**

Table CID 4255. Visual Field Illumination Color

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371244009	Yellow	G-A11D	C0221205
SCT	371251000	White	G-A12B	C0220938
SCT	371240000	Red	G-A11A	C1260956
SCT	405738005	Blue	G-A12F	C1260957
SCT	371246006	Green	G-A11E	C0332583

CID 4256 Visual Field Procedure Modifier

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100827**
UID: **1.2.840.10008.6.1.915**

Table CID 4256. Visual Field Procedure Modifier

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	360156006	Screening	R-42453	C1305399
SCT	261004008	Diagnostic	R-408C3	C0348026

CID 4257 Visual Field Global Index Name

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100827**
UID: **1.2.840.10008.6.1.916**

Table CID 4257. Visual Field Global Index Name

Coding Scheme Designator	Code Value	Code Meaning
DCM	111852	Visual Field Index
DCM	111853	Visual Field Loss Due to Diffuse Defect
DCM	111854	Visual Field Loss Due to Local Defect
DCM	111855	Glaucoma Hemifield Test Analysis
DCM	111856	Optical Fixation Measurements

CID 4260 Ophthalmic Mapping Units for Real World Value Mapping

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110825**
UID: **1.2.840.10008.6.1.936**

Table CID 4260. Ophthalmic Mapping Units for Real World Value Mapping

Coding Scheme Designator	Code Value	Code Meaning
UCUM	um	micrometer

CID 4261 Ophthalmic Mapping Acquisition Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110825**
UID: **1.2.840.10008.6.1.937**

Table CID 4261. Ophthalmic Mapping Acquisition Method

Coding Scheme Designator	Code Value	Code Meaning
DCM	111920	Time domain
DCM	111921	Spectral domain
DCM	111922	No corneal compensation
DCM	111923	Corneal birefringence compensation
DCM	111924	Retinal topography

CID 4262 Retinal Thickness Definition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110825**
UID: **1.2.840.10008.6.1.938**

Table CID 4262. Retinal Thickness Definition

Coding Scheme Designator	Code Value	Code Meaning
DCM	111925	Retinal nerve fiber layer thickness
DCM	111926	Ganglion cell complex thickness
DCM	111927	Total retinal thickness (ILM to IS-OS)
DCM	111928	Total retinal thickness (ILM to RPE)
DCM	111929	Total retinal thickness (ILM to BM)

CID 4263 Ophthalmic Thickness Map Value Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110825**
UID: **1.2.840.10008.6.1.939**

Table CID 4263. Ophthalmic Thickness Map Value Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	111930	Absolute ophthalmic thickness
DCM	111931	Thickness deviation category from normative data
DCM	111932	Thickness deviation from normative data

CID 4264 Ophthalmic Map Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20110825**
UID: **1.2.840.10008.6.1.940**

Table CID 4264. Ophthalmic Map Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	121311	Localizer
DCM	121322	Source image for image processing operation
DCM	111933	Related ophthalmic thickness map

CID 4265 Ophthalmic Thickness Deviation Categories

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110825**
UID: **1.2.840.10008.6.1.941**

Table CID 4265. Ophthalmic Thickness Deviation Categories

Coding Scheme Designator	Code Value	Code Meaning
DCM	111935	p>5%
DCM	111936	p<5%
DCM	111937	p<2%
DCM	111938	p<1%
DCM	111939	p<0.5%

CID 4266 Ophthalmic Anatomic Structure Reference Point

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.942**

Table CID 4266. Ophthalmic Anatomic Structure Reference Point

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	49755003	Morphologically Abnormal Structure	M-01000	C0332447
SCT	52988006	Lesion	M-01100	C0221198
SCT	67046006	Fovea centralis	T-AA621	C0016622
SCT	81016008	Optic nerve head	T-AA630	C0029127
DCM	111934	Disc-Fovea		
SCT	28726007	Cornea	T-AA200	C0010031

Note

(49755003, SCT, "Morphologically Abnormal Structure") was previously described with a Code Meaning of "Lesion", but that synonym has been retired as "inappropriate" in SNOMED. The Code Meaning has been replaced with the preferred SNOMED term, and the separate concept (52988006, SCT, "Lesion") added.

CID 4267 Corneal Topography Mapping Units for Real World Value Mapping

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20131014**
UID: **1.2.840.10008.6.1.965**

Table CID 4267. Corneal Topography Mapping Units for Real World Value Mapping

Coding Scheme Designator	Code Value	Code Meaning
UCUM	um	micrometer
UCUM	diop	diopters
UCUM	mm	mm

CID 4268 Corneal Topography Map Value Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20131014**
UID: **1.2.840.10008.6.1.966**

Table CID 4268. Corneal Topography Map Value Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	111940	Corneal axial power map
DCM	111941	Corneal instantaneous power map
DCM	111942	Corneal refractive power map
DCM	111943	Corneal elevation map
DCM	111944	Corneal wavefront map

CID 4270 OCT-A Processing Algorithm Families

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181110**
UID: **1.2.840.10008.6.1.1150**

Table CID 4270. OCT-A Processing Algorithm Families

Coding Scheme Designator	Code Value	Code Meaning
DCM	128252	OCT-A amplitude decorrelation
DCM	128253	OCT-A complex variance
DCM	128254	OCT-A speckle variance
DCM	128255	OCT-A correlation mapping
DCM	128256	Doppler OCT-A
DCM	128304	OCT-A one-sided ratio (lesser)
DCM	128305	OCT-A one-sided ratio (greater)

CID 4271 En Face Image Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1151**

Table CID 4271. En Face Image Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	128257	Retina depth encoded vasculature flow
DCM	128258	Retina depth encoded structural reflectance map
DCM	128259	Retina vasculature flow
DCM	128260	Retina structural reflectance map
DCM	128261	Vitreous vasculature flow
DCM	128262	Vitreous structural reflectance map
DCM	128263	Radial peripapillary vasculature flow
DCM	128264	Radial peripapillary structural reflectance map
DCM	128265	Superficial retina vasculature flow
DCM	128266	Superficial retina structural reflectance map
DCM	128267	Middle inner retina vasculature flow
DCM	128268	Middle inner structural reflectance map
DCM	128269	Deep retina vasculature flow
DCM	128270	Deep retina structural reflectance map
DCM	128271	Outer retina vasculature flow
DCM	128272	Outer retina structural reflectance map
DCM	128273	Choriocapillaris vasculature flow
DCM	128274	Choriocapillaris structural reflectance map
DCM	128275	Choroid vasculature flow
DCM	128276	Choroid structural reflectance map
DCM	128277	Whole eye vasculature flow
DCM	128278	Whole eye structural reflectance map

CID 4272 Opt Scan Pattern Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1152**

Table CID 4272. OPT Scan Pattern Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	128279	Cube B-scan pattern
DCM	128280	Raster B-scan pattern
DCM	128281	Line B-scan pattern
DCM	128282	Radial B-scan pattern
DCM	128283	Cross B-scan pattern
DCM	128284	Circle B-scan pattern
DCM	128285	Concentric circle B-scan pattern
DCM	128286	Circle-raster B-scan pattern
DCM	128287	Circle-radial B-scan pattern
DCM	128288	Grid B-scan pattern

CID 4273 Retinal Segmentation Surfaces

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1153**

Table CID 4273. Retinal Segmentation Surfaces

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	280677004	ILM - Internal limiting membrane	T-AA62D	C0459664
DCM	128289	Outer surface of RNFL		
DCM	128290	Outer surface of GCL		
DCM	128291	Outer surface of IPL		
DCM	128292	Outer surface of INL		
DCM	128293	Outer surface of OPL		
DCM	128294	Outer surface of HFL		
SCT	76710003	ELM - External limiting membrane	T-AA650	C0229209
DCM	128295	Surface between Inner and Outer Segments of the photoreceptors		
DCM	128296	Surface of the interdigitating zone between retina and RPE		
DCM	128297	Anterior surface of the RPE		
DCM	128298	Surface of the center of the RPE		
DCM	128299	Posterior surface of the RPE		
DCM	128300	Outer surface of the BM		
DCM	128301	Surface of the choroid-sclera interface		
DCM	128302	Outer surface of the CC		

CID 5000 Languages

Context Group ID 5000 comprises the language tag coding scheme of [RFC 5646]. The Coding Scheme Designator (0008,0102) shall be RFC5646.

Note

1. The [RFC 5646] coding scheme is constructed from a primary subtag component encoded using the shortest language codes of [ISO 639], plus codes for extensions for languages not represented in [ISO 639]. The code optionally includes additional subtag components, for scripts encoded using the four letter codes of [ISO 15924], and for regions encoded using the two letter country codes of [ISO 3166].

2. [RFC 5646] may be obtained at http://www.ietf.org/rfc/rfc5646.txt. [RFC 5646] obsoletes [RFC 4646], [RFC 3066] and [RFC 1766], but is forward compatible with those specifications. In previous editions of the Standard, [RFC 4646] codes were used with a Coding Scheme Designator of IETF4646. [RFC 5646] is a superset of [RFC 4646], which formalizes support for [ISO 639-3].

3. [ISO 639] codes may be obtained at http://www.loc.gov/standards/iso639-2/langhome.html.

4. The two letter country codes of [ISO 3166] may be obtained at http://www.iso.org/obp/ui/#search/code/

5. IANA language tag registrations may be obtained at http://www.iana.org/assignments/language-subtag-registry/language-subtag-registry

6. In previous editions of the Standard, this Context Group formerly included the three letter language codes of [ISO 639-2]/B, using Coding Scheme Designator ISO639_2, or the language codes of [RFC 3066], using Coding Scheme Designator RFC3066, and several IANA-registered language code extensions, using Coding Scheme Designator IANARFC1766.

7. In previous editions of the Standard, this Context Group provided only language identifiers, with national or regional variant identified in a separate attribute or Content Item.

CID 5001 Countries

Context Group ID 5001 comprises the two letter country code scheme of ISO 3166. The Coding Scheme Designator (0008,0102) shall be ISO3166_1.

Note

The two letter country codes of ISO 3166 may be obtained at http://www.iso.org/obp/ui/#search/code/

CID 5002 Organizations

Context Group ID 5002 comprises the object identifier scheme of ISO 8824-1 and ISO 9834-1, when applied to organizational identifiers (see Section 8.2). The Coding Scheme Designator (0008,0102) shall be ISO_OID.

CID 6000 Overall Breast Composition

Note

In future extensions, Overall Breast Composition terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.330**

Table CID 6000. Overall Breast Composition

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6001 “Overall Breast Composition from BI-RADS®”		

CID 6001 Overall Breast Composition from BI-RADS®

Note

From BI-RADS® Third Edition (National Mammography Database, E77)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.331**

Table CID 6001. Overall Breast Composition from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129716005	Almost entirely fat	F-01711	C0231248
SCT	129717001	Scattered fibroglandular densities	F-01712	C0544447
SCT	129718006	Heterogeneously dense	F-01713	C0231249
SCT	129719003	Extremely dense	F-01714	C1268647

CID 6002 Change Since Last Mammogram or Prior Surgery

Note

In future extensions, Change Since Last Mammogram or Prior Surgery terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.332**

Table CID 6002. Change Since Last Mammogram or Prior Surgery

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6003 “Change Since Last Mammogram or Prior Surgery from BI-RADS®”		

CID 6003 Change Since Last Mammogram or Prior Surgery from BI-RADS®

Note

From BI-RADS® Third Edition (National Mammography Database, E79)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.333**

Table CID 6003. Change Since Last Mammogram or Prior Surgery from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129721008	New finding	F-01721	C1268649
SCT	129722001	Finding partially removed	F-01722	C1268650
SCT	129723006	No significant changes in the finding	F-01723	C1268651
SCT	15454001	Increase in size	M-02520	C0332509
SCT	19776001	Decrease in size	M-02530	C0332511
SCT	129726003	Increase in number of calcifications	F-01726	C1268654
SCT	129727007	Decrease in number of calcifications	F-01727	C1268655
SCT	129728002	Less defined	F-01728	C1268656
SCT	129729005	More defined	F-01729	C1268657
SCT	129730000	Removal of implant since previous mammogram	F-0172A	C1268658
SCT	129731001	Implant revised since previous mammogram	F-0172B	C1268659

CID 6004 Mammography Characteristics of Shape

Note

In future extensions, Mammography Characteristics of Shape terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**

UID: **1.2.840.10008.6.1.334**

Table CID 6004. Mammography Characteristics of Shape

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6005 “Characteristics of Shape from BI-RADS®”		

CID 6005 Characteristics of Shape from BI-RADS®

Note

From BI-RADS® Third Edition (National Mammography Database, E80)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.335**

Table CID 6005. Characteristics of Shape from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	42700002	Round shape	M-02100	C0332490
SCT	84360004	Ovoid shape (Oval)	M-02120	C0332492
SCT	40266001	Lobular	G-A640	C0205417
SCT	49608001	Irregular	G-A402	C0205271

CID 6006 Mammography Characteristics of Margin

Note

In future extensions, Mammography Characteristics of Margin terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.336**

Table CID 6006. Mammography Characteristics of Margin

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6007 “Characteristics of Margin from BI-RADS®”		

CID 6007 Characteristics of Margin from BI-RADS®

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.337**

Table CID 6007. Characteristics of Margin from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129738007	Circumscribed lesion	F-01741	C1268666
SCT	129739004	Microlobulated lesion	F-01742	C1268667
SCT	129740002	Obscured lesion	F-01743	C1268668
SCT	129741003	Indistinct lesion	F-01744	C1268669
SCT	129742005	Spiculated lesion	F-01745	C1268670
DCM	111343	Angular margins		

CID 6008 Density Modifier

Note

In future extensions, Density Modifier terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.338**

Table CID 6008. Density Modifier

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6009 “Density Modifier from BI-RADS®”		

CID 6009 Density Modifier from BI-RADS®

Note

From BI-RADS® Third Edition (National Mammography Database, E82)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.339**

Table CID 6009. Density Modifier from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129744006	High density lesion	F-01751	C1268672
SCT	129745007	Equal density (isodense) lesion	F-01752	C1268673
SCT	129746008	Low density (not containing fat) lesion	F-01753	C1268674
SCT	129747004	Fat containing (radiolucent) lesion	F-01754	C1268675

CID 6010 Mammography Calcification Types

Note

In future extensions, Mammography Calcification Types terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.340**

Table CID 6010. Mammography Calcification Types

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6011 “Calcification Types from BI-RADS®”		

CID 6011 Calcification Types from BI-RADS®

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.341**

Table CID 6011. Calcification Types from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129749001	Coarse (popcorn-like) calcification	F-01761	C1268677
SCT	129750001	Dystrophic calcification	F-01762	C0333582
SCT	129751002	Eggshell calcification	F-01763	C1313950
SCT	129752009	Large rod-like calcification	F-01764	C1268678
SCT	129753004	Milk of calcium calcification	F-01765	C1268679
SCT	129754005	Lucent-centered calcification	F-01766	C1268680
SCT	129755006	Punctate calcification	F-01767	C1265883
SCT	129756007	Round shaped calcification	F-01768	C1268681
SCT	129757003	Calcified skin of breast	F-01769	C1268682
SCT	129758008	Calcified suture material	F-0176A	C1268683
SCT	129759000	Vascular calcification	F-0176B	C1268684
SCT	129760005	Amorphous calcification	F-0176C	C1268685
SCT	129761009	Fine, linear (casting) calcification	F-0176D	C1268686
SCT	129762002	Fine linear, branching (casting) calcification	F-0176E	C1268687
SCT	129763007	Heterogeneous calcification	F-0176F	C1268688
DCM	111344	Fine pleomorphic calcification		
SCT	44771000	Microcalcifications of the breast	D7-90435	C0520594
DCM	111345	Macrocalcifications		

CID 6012 Calcification Distribution Modifier

Note

In future extensions, Calcification Distribution Modifier terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20020904**
UID: **1.2.840.10008.6.1.342**

Table CID 6012. Calcification Distribution Modifier

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6013 “Calcification Distribution Modifier from BI-RADS®”		

CID 6013 Calcification Distribution Modifier from BI-RADS®

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.343**

Table CID 6013. Calcification Distribution Modifier from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129764001	Diffuse calcification distribution	F-01770	C1268689
SCT	129765000	Linear calcification distribution	F-01771	C1268690
SCT	129766004	Grouped calcification distribution	F-01772	C1268691
SCT	129767008	Regional calcification distribution	F-01773	C1268692
SCT	129768003	Segmental calcification distribution	F-01774	C1268693
DCM	111346	Calcifications within a mass		
DCM	111347	Calcifications outside of a mass		

CID 6014 Mammography Single Image Finding

Note

In future extensions, Mammography Single Image Finding terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.344**

Table CID 6014. Mammography Single Image Finding

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 6015 “Single Image Finding from BI-RADS®”				
DCM	111099	Selected region		
DCM	111100	Breast geometry		
DCM	111101	Image Quality		
DCM	111102	Non-lesion		
SCT	24142002	Nipple	T-04100	C0028109

CID 6015 Single Image Finding from BI-RADS®

Note

Collected from BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.345**

Table CID 6015. Single Image Finding from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129793001	Mammography breast density	F-01796	C1268717
SCT	129770007	Individual Calcification	F-01776	C1268695
SCT	129769006	Calcification Cluster	F-01775	C1268694
SCT	129792006	Architectural distortion of breast	F-01795	C1268716
SCT	129794007	Tubular density	F-01797	C1268718
SCT	443808008	Intramammary lymph node	T-C430B	C2733350
SCT	129795008	Trabecular thickening of breast	F-01798	C1268719
SCT	129715009	Breast composition	F-01710	C0005890
SCT	129796009	Skin retraction of breast	F-01799	C0238832
SCT	129797000	Skin thickening of breast	F-0179A	C1268720
SCT	127189005	Axillary adenopathy	DC-721C4	C0578735
SCT	95324001	Skin lesion	D0-00050	C0037284
DCM	111111	Cooper's ligament changes		
SCT	79654002	Edema	M-36300	C0013604
DCM	111112	Mass in the skin		
DCM	111113	Mass on the skin		
SCT	68171009	Axillary lymph node	T-C4710	C0729594

CID 6016 Mammography Composite Feature

Note

In future extensions, Mammography Composite Feature terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.346**

Table CID 6016. Mammography Composite Feature

Coding Scheme Designator	Code Value	Code Meaning
DCM	111459	Mass with calcifications
Include CID 6014 “Mammography Single Image Finding”		
Include CID 6017 “Composite Feature from BI-RADS®”		

CID 6017 Composite Feature from BI-RADS®

Note

Collected from BI-RADS® Third Edition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.347**

Table CID 6017. Composite Feature from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129788004	Mammographic breast mass	F-01791	C1268712
SCT	129789007	Focal asymmetric breast tissue	F-01792	C1268713
SCT	129790003	Asymmetric breast tissue	F-01793	C1268714

CID 6018 Clockface Location or Region

Note

In future extensions, Clockface Location or Region terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.348**

Table CID 6018. Clockface Location or Region

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 6019 “Clockface Location or Region from BI-RADS®”				
SCT	78904004	Chest wall	T-D3050	C0205076

CID 6019 Clockface Location or Region from BI-RADS®

Note

From BI-RADS® 3.1, with Addendum 3.1 (National Mammography Database, E96)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.349**

Table CID 6019. Clockface Location or Region from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129772004	1 o'clock position	F-01781	C1268696
SCT	129773009	2 o'clock position	F-01782	C1268697
SCT	129774003	3 o'clock position	F-01783	C1268698
SCT	129775002	4 o'clock position	F-01784	C1268699

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129776001	5 o'clock position	F-01785	C1268700
SCT	129777005	6 o'clock position	F-01786	C1268701
SCT	129778000	7 o'clock position	F-01787	C1268702
SCT	129779008	8 o'clock position	F-01788	C1268703
SCT	129780006	9 o'clock position	F-01789	C1268704
SCT	129781005	10 o'clock position	F-0178A	C1268705
SCT	129782003	11 o'clock position	F-0178B	C1268706
SCT	129783008	12 o'clock position	F-0178C	C1268707
SCT	129784002	Subareolar region	F-0178D	C1268708
SCT	129785001	Axillary tail region	F-0178E	C1268709
SCT	129786000	Central region of breast	F-0178F	C1268710
SCT	129791004	Axilla region	F-01794	C1268715

CID 6020 Quadrant Location

Note

In future extensions, Quadrant Location terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.350**

Table CID 6020. Quadrant Location

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6021 “Quadrant Location from BI-RADS®”		

CID 6021 Quadrant Location from BI-RADS®

Note

From BI-RADS® Third Edition (National Mammography Database, E97)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.351**

Table CID 6021. Quadrant Location from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	76365002	Upper outer quadrant of breast	T-04004	C0222598
SCT	77831004	Upper inner quadrant of breast	T-04002	C0222596
SCT	33564002	Lower outer quadrant of breast	T-04005	C0222599
SCT	19100000	Lower inner quadrant of breast	T-04003	C0222597

CID 6022 Side

Note

In future extensions, Side terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.352**

Table CID 6022. Side

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6023 “Side from BI-RADS®”		

CID 6023 Side from BI-RADS®

Note

From BI-RADS® Third Edition (National Mammography Database, E98)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.353**

Table CID 6023. Side from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	80248007	Left breast	T-04030	C0222601
SCT	73056007	Right breast	T-04020	C0222600
SCT	63762007	Both breasts	T-04080	C0222605

CID 6024 Depth

Note

In future extensions, Depth terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.354**

Table CID 6024. Depth

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6025 “Depth from BI-RADS®”		

CID 6025 Depth from BI-RADS®

Note

From BI-RADS® Third Edition (National Mammography Database, E99)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: ~~20160405~~20190524
UID: 1.2.840.10008.6.1.355

Table CID 6025. Depth from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255549009	Anterior	R-404CC	C1704448
~~SCT~~NCIt	~~260528009~~C25569	Middle	~~R-4081A~~	~~C2939193~~C0444598
SCT	255551008	Posterior	R-404CE	C0205095

CID 6026 Mammography Assessment

Note

In future extensions, Mammography Assessment terms that are not derived from BI-RADS® should be added to this context group.

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Type: Extensible
Version: 20050822
UID: 1.2.840.10008.6.1.356

Table CID 6026. Mammography Assessment

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6027 "Assessment from BI-RADS®"		
DCM	111120	Post Procedure Mammograms for Marker Placement

CID 6027 Assessment from BI-RADS®

Note

From BI-RADS®

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Type: Extensible
Version: 20050822
UID: 1.2.840.10008.6.1.357

Table CID 6027. Assessment from BI-RADS®

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT		397138000	0 - Incomplete - Need additional imaging evaluation +/- priors	F-037BB	C1301244
SCT		397140005	1 - Negative	F-037BC	C1301245
SCT		397141009	2 - Benign	F-037BD	C1301246
SCT		397143007	3 - Probably Benign	F-037BF	C1301247
SCT		397144001	4 - Suspicious	F-037C0	C1301248
BI	4.0	MA.II.A.5.4A	4A - Low suspicion		
BI	4.0	MA.II.A.5.4B	4B - Intermediate suspicion		
BI	4.0	MA.II.A.5.4C	4C - Moderate suspicion		

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT		397145000	5 - Highly suggestive of malignancy	F-037C1	C1301249
BI	4.0	MA.II.A.5.6	6 - Known biopsy proven malignancy		

Note

1. The code meanings are those from BI-RADS Atlas 5th edition, which removed the management recommendation from the assessment category.

2. The code meaning for category 0 is shortened to fit the 64 character limitation of the Value Representation. In BI-RADS 5th edition, the full meaning is "Incomplete - Need additional imaging evaluation and/or prior mammograms for comparison".

CID 6028 Mammography Recommended Follow-up

Note

In future extensions, Mammography Recommended Follow-up terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.358**

Table CID 6028. Mammography Recommended Follow-up

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 6029 “Recommended Follow-up from BI-RADS®”				
DCM	111121	Follow-up post biopsy as directed by clinician		
SCT	371572003	Nuclear medicine procedure	P0-006F1	C0203634
SCT	386053000	Evaluation procedure	P0-009B4	C1261322
DCM	111410	Surgical consult		

CID 6029 Recommended Follow-up from BI-RADS®

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.359**

Table CID 6029. Recommended Follow-up from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111135	Additional projections		
SCT	399163009	Magnification views	R-102D6	C1302233

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399055006	Spot compression	R-102D7	C1302185
DCM	111136	Spot magnification view(s)		
SCT	16310003	Diagnostic ultrasonography	P5-B0000	C0041618
DCM	111138	Old films for comparison		
SCT	18102001	Mammary ductogram	P5-40060	C0203033
DCM	111140	Normal interval follow-up		
DCM	111141	Any decision to biopsy should be based on clinical assessment		
DCM	111142	Follow-up at short interval (1-11 months)		
DCM	111143	Biopsy should be considered		
DCM	111144	Needle localization and biopsy		
DCM	111145	Histology using core biopsy		
DCM	111146	Suggestive of malignancy - take appropriate action		
DCM	111147	Cytologic analysis		
DCM	111148	Biopsy should be strongly considered		
DCM	111149	Highly suggestive of malignancy - take appropriate action		
DCM	111122	Known biopsy proven malignancy - take appropriate action		
SCT	241615005	MRI of breast	P5-0900D	C0344104

CID 6030 Mammography Pathology Codes

Note

In future extensions, Mammography Pathology Codes terms that are not derived from BI-RADS® should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.360**

Table CID 6030. Mammography Pathology Codes

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6031 “Benign Pathology Codes from BI-RADS®”		
Include CID 6032 “High Risk Lesions Pathology Codes from BI-RADS®”		
Include CID 6033 “Malignant Pathology Codes from BI-RADS®”		

CID 6031 Benign Pathology Codes from BI-RADS®

Note

From BI-RADS® Third Edition, with Addendum 3.1 (National Mammography Database,F110)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**

UID: **1.2.840.10008.6.1.361**

Table CID 6031. Benign Pathology Codes from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	44132006	Abscess	M-41610	C0000833
SCT	57597008	Adenosis	M-74200	C0334050
SCT	32048006	Adenoma	M-81400	C0001430
SCT	22024005	Adenolipoma	M-83240	C0334325
SCT	81274009	Apocrine Metaplasia	M-73310	C0269252
SCT	128765009	Adenomyoepithelioma	M-89830	C1266146
SCT	37279009	Amyloid (tumor)	M-55160	C0333572
DCM	111251	Normal axillary node		
SCT	73219006	Angiolipoma	M-88610	C0206632
DCM	111252	Axillary node with calcifications		
SCT	14350002	Angiomatosis	M-76100	C0002992
DCM	111253	Axillary node hyperplasia		
SCT	130963002	Asynchronous involution of breast	F-8A063	C1295577
SCT	399294002	Cyst of breast	D7-90035	C0006144
DCM	111255	Benign cyst with blood		
DCM	111256	Benign Calcifications		
SCT	31186001	Chondroma	M-92200	C0936248
SCT	47488001	Intracystic papilloma	M-85040	C0334374
DCM	111258	Ductal adenoma		
SCT	22049009	Mammary duct ectasia	D7-90370	C0152442
DCM	111259	Diabetic fibrous mastopathy		
SCT	67617000	Ductal hyperplasia, Usual	M-72170	C0333994
SCT	47284001	Extra abdominal desmoid	M-88211	C0079218
SCT	1896004	Ectopic (accessory) breast tissue	D4-48014	C0266012
SCT	419670003	Epidermal inclusion cyst	M-33415	C0014511
SCT	79654002	Edema	M-36300	C0013604
SCT	65877006	Fibroadenoma	M-90100	C0206650
DCM	111263	Fibroadenomatoid hyperplasia		
DCM	111264	Fibroadenolipoma		
SCT	37058002	Foreign body (reaction)	M-44140	C0016549
SCT	27431007	Fibrocystic disease of breast	D7-90310	C0016034
SCT	45559001	Focal fibrosis	M-78266	C0521195
SCT	19928005	Fibromatosis	M-78800	C0016048
SCT	21381006	Fat necrosis of breast	D7-90434	C0156321
SCT	42385006	Galactocele	D7-90364	C0152243
SCT	12169001	Granular cell tumor	M-95800	C0085167
SCT	34882000	Giant fibroadenoma	M-90160	C0334500
SCT	4754008	Gynecomastia	D7-90420	C0018418

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	51398009	Hamartoma	M-75500	C0018552
SCT	2099007	Hemangioma	M-91200	C0018916
SCT	93473009	Hemangioma of subcutaneous tissue	D3-F0620	C0685200
SCT	56468002	Hemangioma - venous	M-91220	C0334532
SCT	35566002	Hematoma	M-35060	C0018944
SCT	76197007	Hyperplasia, usual	M-72000	C0020507
SCT	77296004	Infarction of breast	D7-90452	C0269266
SCT	23583003	Inflammation	M-40000	C0021368
SCT	443808008	Intramammary lymph node	T-C430B	C2733350
SCT	5244003	Intraductal papilloma	M-85030	C0206713
SCT	46212000	Juvenile fibroadenoma	M-90300	C0346158
DCM	111277	Juvenile papillomatosis		
SCT	128651002	Lactating adenoma	M-82040	C1266023
SCT	46720004	Lipoma	M-88500	C0023798
DCM	111279	Lactational change		
SCT	6703006	Breast lobular hyperplasia	D7-90428	C0269263
SCT	44598004	Leiomyoma	M-88900	C0042133
SCT	59441001	Lymph node	T-C4000	C0024204
DCM	111281	Large duct papilloma		
SCT	69954004	Thrombophlebitis of breast (Mondor's disease)	D3-87780	C0265070
SCT	128738002	Myofibroblastoma	M-88250	C0242404
DCM	111284	Microglandular adenosis		
DCM	111285	Multiple Intraductal Papillomas		
DCM	111286	No abnormality		
DCM	111287	Normal breast tissue		
SCT	89084002	Neurofibroma	M-95400	C0027830
SCT	81669005	Neurofibromatosis	M-95401	C0162678
SCT	92248004	Benign neoplasm of nipple of female breast (Nipple adenoma)	D7-F0810	C0686290
DCM	111290	Oil cyst (fat necrosis cyst)		
SCT	23730008	Papilloma	M-80500	C0030354
SCT	8360001	Pleomorphic adenoma	M-89400	C0026277
DCM	111291	Post reduction mammoplasty		
DCM	111292	Pseudoangiomatous stromal hyperplasia		
SCT	133855003	Radial scar	M-78731	C1297883
SCT	50916005	Sclerosing adenosis	M-74220	C0235590
SCT	56021002	Seroma	M-36050	C0262627
DCM	111296	Silicone granuloma		
SCT	12402003	Scar tissue	M-78060	C2004491

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	19665009	Tubular adenoma	M-82110	C0334292
DCM	111298	Virginal hyperplasia		

CID 6032 High Risk Lesions Pathology Codes from BI-RADS®

Note

From BI-RADS® Third Edition, with Addendum 3.1 (National Mammography Database,F110)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.362**

Table CID 6032. High Risk Lesions Pathology Codes from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	6660000	Atypical intraductal hyperplasia	M-72175	C0521187
SCT	33889003	Atypical lobular hyperplasia	M-72105	C0442835
SCT	109888004	Lobular carcinoma in situ of breast	D7-F0A02	C0279563
DCM	111299	Peripheral duct papillomas		
SCT	71232009	Phyllodes tumor	M-90201	C0010701

CID 6033 Malignant Pathology Codes from BI-RADS®

Note

From BI-RADS® Third Edition, with Addendum 3.1 (National Mammography Database,F110)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.363**

Table CID 6033. Malignant Pathology Codes from BI-RADS®

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	11671000	Adenoid cystic carcinoma	M-82003	C0010606
DCM	111300	Axillary node with lymphoma		
DCM	111301	Axillary nodal metastases		
SCT	57141000	Apocrine adenocarcinoma	M-84013	C0334346
SCT	39000009	Angiosarcoma	M-91203	C0018923
DCM	111307	Basal cell carcinoma of nipple		
DCM	111303	Blood vessel (vascular) invasion		
SCT	72495009	Mucinous adenocarcinoma (Colloid carcinoma)	M-84803	C0007130
DCM	111304	Carcinoma in children		
SCT	14990007	Chondrosarcoma	M-92203	C0008479
DCM	111305	Carcinoma in ectopic breast		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111306	Carcinoma with endocrine differentiation		
SCT	78197004	Comedocarcinoma (intraductal)	M-85012	C0334369
SCT	92652009	Carcinoma in situ of male breast	D7-F0902	C0686328
SCT	22694002	Carcinoma with metaplasia	M-85733	C0334396
DCM	111309	Cartilaginous and osseous change		
DCM	111310	Carcinoma in pregnancy and lactation		
SCT	63264007	Carcinosarcoma	M-89803	C0007140
DCM	111312	Intraductal comedocarcinoma with necrosis		
DCM	111341	Intraductal carcinoma, high grade		
DCM	111313	Intraductal carcinoma, low grade		
SCT	128696009	Intraductal carcinoma micro-papillary	M-85072	C1266080
SCT	53654007	Fibrosarcoma	M-88103	C0016057
SCT	74280008	Glycogen-rich carcinoma	M-83153	C0334319
SCT	36060005	Hemangiopericytoma	M-91501	C0018922
SCT	14537002	Hodgkin's disease (lymphoma)	M-96503	C0019829
SCT	30156004	Invasive cribriform carcinoma	M-82013	C0205643
DCM	111315	Intracystic papillary carcinoma		
SCT	82711006	Infiltrating duct carcinoma	M-85003	C1412014
DCM	111316	Invasive and in-situ carcinoma		
SCT	89740008	Invasive lobular carcinoma	M-85203	C0206692
SCT	32968003	Inflammatory carcinoma	M-85303	C0334385
SCT	25910003	Papillary carcinoma (invasive)	M-80503	C0007133
DCM	111318	Leukemic infiltration		
SCT	51549004	Leiomyosarcoma	M-88903	C0023269
SCT	49430005	Liposarcoma	M-88503	C0023827
SCT	3839000	Lipid-rich (lipid-secreting) carcinoma	M-83143	C0334318
DCM	111320	Lympathic vessel invasion		
SCT	21964009	Lymphoma	M-95903	C0024299
DCM	111322	Occult carcinoma presenting with axillary lymph node metastases		
DCM	111323	Metastatic cancer to the breast		
DCM	111324	Metastatic cancer to the breast from the colon		
DCM	111325	Metastatic cancer to the breast from the lung		
DCM	111326	Metastatic melanoma to the breast		
DCM	111327	Metastatic cancer to the breast from the ovary		
DCM	111328	Metastatic sarcoma to the breast		
SCT	32913002	Medullary carcinoma	M-85103	C0206693
DCM	111329	Multifocal intraductal carcinoma		
DCM	111330	Metastatic disease to axillary node		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	34360000	Malignant fibrous histiocytoma	M-88303	C0334463
DCM	111332	Multifocal invasive ductal carcinoma		
DCM	111333	Metastasis to an intramammary lymph node		
DCM	111334	Malignant melanoma of nipple		
SCT	1929004	Non-Hodgkin's lymphoma	M-95913	C0024305
SCT	126510002	Neoplasm of the mammary skin	D0-F035F	C1290094
SCT	21708004	Osteogenic sarcoma	M-91803	C0029463
SCT	10376009	Papillary carcinoma in-situ	M-80502	C0334242
SCT	2985005	Paget's disease, mammary (of the nipple)	M-85403	C0030185
SCT	10639003	Plasmacytoma	M-97313	C0032131
SCT	87913009	Phyllodes tumor, malignant	M-90203	C0600066
DCM	111338	Recurrent malignancy		
SCT	87737001	Signet ring cell carcinoma	M-84903	C0206696
DCM	111340	Squamous cell carcinoma of the nipple		
SCT	110451006	Spindle cell nodule (tumor)	M-78190	C0333821
SCT	41919003	Secretory (juvenile) carcinoma of the breast	M-85023	C0334371
SCT	28899001	Squamous cell carcinoma	M-80703	C0007137
SCT	4631006	Tubular adenocarcinoma	M-82113	C0205645

CID 6034 Intended Use of CAD Output

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.364**

Table CID 6034. Intended Use of CAD Output

Coding Scheme Designator	Code Value	Code Meaning
DCM	111150	Presentation Required: Rendering device is expected to present
DCM	111151	Presentation Optional: Rendering device may present
DCM	111152	Not for Presentation: Rendering device expected not to present

CID 6035 Composite Feature Relations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.365**

Table CID 6035. Composite Feature Relations

Coding Scheme Designator	Code Value	Code Meaning
DCM	111153	Target content items are related temporally
DCM	111154	Target content items are related spatially
DCM	111155	Target content items are related contra-laterally

CID 6036 Scope of Feature

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.366**

Table CID 6036. Scope of Feature

Coding Scheme Designator	Code Value	Code Meaning
DCM	111156	Feature detected on the only image
DCM	111157	Feature detected on only one of the images
DCM	111158	Feature detected on multiple images
DCM	111159	Feature detected on images from multiple modalities

CID 6037 Mammography Quantitative Temporal Difference Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.367**

Table CID 6037. Mammography Quantitative Temporal Difference Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129806009	Difference in size	F-017B1	C1268722
SCT	129807000	Difference in opacity	F-017B2	C1268723
SCT	129808005	Difference in location	F-017B3	C1268724
SCT	129809002	Difference in spatial proximity	F-017B4	C1268725
SCT	129810007	Difference in number of calcifications	F-017B5	C1268726

CID 6038 Mammography Qualitative Temporal Difference Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.368**

Table CID 6038. Mammography Qualitative Temporal Difference Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129811006	Difference in shape	F-017B6	C1268727
SCT	129812004	Difference in margin	F-017B7	C1268728
SCT	129813009	Difference in symmetry	F-017B8	C1268729

CID 6039 Nipple Characteristic

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.369**

Table CID 6039. Nipple Characteristic

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	31842008	Normal shape	M-02000	C0332480
SCT	31845005	Nipple retraction	D7-90554	C0221370

CID 6040 Non-lesion Object Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.370**

Table CID 6040. Non-lesion Object Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 6401 “Non-lesion Object Type - Physical Objects”				
Include CID 6402 “Non-lesion Object Type - Substances”				
Include CID 6403 “Non-lesion Object Type - Tissues”				
DCM	111176	Unspecified		

Note

The use of (111176, DCM, "Unspecified") is explicitly permitted in this context group to allow for the communication of measurements of an object of unknown type using TID 4012 “Mammography CAD Non-lesion”.

CID 6041 Mammography Image Quality Finding

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.371**

Table CID 6041. Mammography Image Quality Finding

Coding Scheme Designator	Code Value	Code Meaning	Source
DCM	111177	View and Laterality Marker is missing	MQSA
DCM	111178	View and Laterality Marker does not have both view and laterality	MQCM 1999
DCM	111179	View and Laterality Marker does not have approved codes	MQCM 1999
DCM	111180	View and Laterality Marker is not near the axilla	MQCM 1999
DCM	111181	View and Laterality Marker overlaps breast tissue	MQCM 1999
DCM	111182	View and Laterality Marker is partially obscured	MQCM 1999
DCM	111183	View and Laterality Marker is incorrect	
DCM	111184	View and Laterality Marker is off image	
DCM	111185	Flash is not near edge of film	MQCM 1999
DCM	111186	Flash is illegible, does not fit, or is lopsided	MQSA
DCM	111187	Flash doesn't include patient name and additional patient id	MQCM 1999

Coding Scheme Designator	Code Value	Code Meaning	Source
DCM	111188	Flash doesn't include date of examination	MQCM 1999
DCM	111189	Flash doesn't include facility name and location	MQSA
DCM	111190	Flash doesn't include technologist identification	MQCM 1999
DCM	111191	Flash doesn't include cassette/screen/detector identification	MQCM 1999
DCM	111192	Flash doesn't include mammography unit identification	MQCM 1999
DCM	111193	Date sticker is missing	MQCM 1999
DCM	111194	Technical factors missing	MQCM 1999
DCM	111195	Collimation too close to breast	MQCM 1999
DCM	111196	Inadequate compression	MQCM 1999
DCM	111197	MLO Insufficient pectoral muscle	MQCM 1999
DCM	111198	MLO No fat is visualized posterior to fibroglandular tissues	MQCM 1999
DCM	111199	MLO Poor separation of deep and superficial breast tissues	MQCM 1999
DCM	111200	MLO Evidence of motion blur	MQCM 1999
DCM	111201	MLO Inframammary fold is not open	MQCM 1999
DCM	111202	CC Not all medial tissue visualized	MQCM 1999
DCM	111203	CC Nipple not centered on image	MQCM 1999
DCM	111204	CC Posterior nipple line does not measure within 1 cm of MLO	MQCM 1999
DCM	111205	Nipple not in profile	
DCM	111206	Insufficient implant displacement incorrect	MQCM 1999
DCM	111208	Grid artifact(s)	
DCM	111209	Positioning	
DCM	111210	Motion blur	
DCM	111211	Under exposed	
DCM	111212	Over exposed	
DCM	111213	No image	
DCM	111214	Detector artifact(s)	
DCM	111215	Artifact(s) other than grid or detector artifact	
DCM	111216	Mechanical failure	
DCM	111217	Electrical failure	
DCM	111218	Software failure	
DCM	111219	Inappropriate image processing	
DCM	111220	Other failure	
DCM	111221	Unknown failure	

CID 6042 Status of Results

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.372**

Table CID 6042. Status of Results

Coding Scheme Designator	Code Value	Code Meaning
DCM	111222	Succeeded
DCM	111223	Partially Succeeded
DCM	111224	Failed
DCM	111225	Not Attempted

CID 6043 Types of Mammography CAD Analysis

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.373**

Table CID 6043. Types of Mammography CAD Analysis

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Notes
SCT	133884007	Spatial collocation analysis	P5-B3402	C1297892	See Note 1
SCT	133885008	Spatial proximity analysis	P5-B3404	C1297893	See Note 2
SCT	133886009	Temporal correlation	P5-B3406	C1297894	
SCT	133887000	Image quality analysis	P5-B3408	C1297895	
SCT	133888005	Focal asymmetric density analysis	P5-B3410	C1297896	
SCT	133889002	Asymmetric breast tissue analysis	P5-B3412	C1297897	
SCT	133890006	Breast composition analysis	P5-B3414	C1297898	
DCM	111233	Individual Impression / Recommendation Analysis			
DCM	111234	Overall Impression / Recommendation Analysis			

Note

1. Spatial Collocation Analysis is used to identify features that are the same or located in the same place.
2. Spatial Proximity Analysis is used to identify features that are related spatially, such as nipple retraction associated with a spiculated mass.

CID 6044 Types of Image Quality Assessment

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.374**

Table CID 6044. Types of Image Quality Assessment

Coding Scheme Designator	Code Value	Code Meaning
DCM	111235	Unusable - Quality renders image unusable
DCM	111236	Usable - Does not meet the quality control standard
DCM	111237	Usable - Meets the quality control standard

CID 6045 Mammography Types of Quality Control Standard

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.375**

Table CID 6045. Mammography Types of Quality Control Standard

Coding Scheme Designator	Code Value	Code Meaning
DCM	111238	Mammography Quality Control Manual 1999, ACR
DCM	111239	Title 21 CFR Section 900, Subpart B
DCM	111240	Institutionally defined quality control standard

CID 6046 Units of Follow-up Interval

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.376**

Table CID 6046. Units of Follow-up Interval

Coding Scheme Designator	Code Value	Code Meaning
UCUM	d	day
UCUM	wk	week
UCUM	mo	month
UCUM	a	year

CID 6047 CAD Processing and Findings Summary

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.377**

Table CID 6047. CAD Processing and Findings Summary

Coding Scheme Designator	Code Value	Code Meaning
DCM	111241	All algorithms succeeded; without findings
DCM	111242	All algorithms succeeded; with findings
DCM	111243	Not all algorithms succeeded; without findings
DCM	111244	Not all algorithms succeeded; with findings
DCM	111245	No algorithms succeeded; without findings

CID 6048 CAD Operating Point Axis Label

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20060612**
UID: **1.2.840.10008.6.1.378**

Table CID 6048. CAD Operating Point Axis Label

Coding Scheme Designator	Code Value	Code Meaning
DCM	111012	Certainty of Finding
DCM	111047	Probability of cancer
DCM	111086	False Markers per Image
DCM	111087	False Markers per Case
DCM	111088	Case Sensitivity
DCM	111089	Lesion Sensitivity
DCM	111090	Case Specificity
DCM	111091	Image Specificity

CID 6050 Breast Procedure Reported

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190125**
UID: **1.2.840.10008.6.1.379**

Table CID 6050. Breast Procedure Reported

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111408	Film Screen Mammography		
DCM	111409	Digital Mammography		
SCT	47079000	Ultrasonography of breast	P5-B8500	C0080264
SCT	241615005	MRI of breast	P5-0900D	C0344104
SCT	237380007	Pre-biopsy localization of breast lesion	P1-48011	C0473515
SCT	387736007	Fine needle aspiration of breast	P1-48145	C0542415
SCT	287572003	Diagnostic aspiration of breast cyst	P1-48142	C0565162
SCT	44578009	Core needle biopsy of breast	P1-48304	C0191853
SCT	274331003	Breast - surgical biopsy	P1-4830F	C0585992
SCT	18102001	Mammary ductogram	P5-40060	C0203033
SCT	241539009	CT of breast	P5-0801C	C0412609
SCT	66377006	Radionuclide localization of tumor, limited area	P5-D0042	C0203652
SCT	80865008	Specimen radiography of breast	P5-40030	C0203031
SCT	46662001	Examination of breast	P2-4A000	C0199850
DCM	111410	Surgical consult		
DCM	111411	Mammography CAD		
SCT	396487001	Sentinel lymph node biopsy	P1-65359	C0796693
SCT	169167001	Radioisotope scan of lymphatic system	P5-D0061	C0412375
DCM	111123	Marker placement		
SCT	45211000	Insertion of catheter	P1-05535	C0007430
LN	36626-0	breast - bilateral mammogram		C1524974
LN	30795-9	breast - bilateral mr		C1114600
LN	36150-1	breast - bilateral mr w contrast iv		C1524494

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	36277-2	breast - bilateral mr wo and w contrast iv		C1524125
LN	46342-2	breast ffd mammogram		C1830243
LN	36627-8	breast - left mammogram		C1524975
LN	35954-7	breast - left mr		C1524349
LN	36151-9	breast - left mr w contrast iv		C1524495
LN	36278-0	breast - left mr wo and w contrast iv		C1524126
LN	36149-3	breast mr w contrast iv		C1524493
LN	36276-4	breast mr wo and w contrast iv		C1524610
LN	37774-7	breast - right mammogram		C1525124
LN	35955-4	breast - right mr		C1524350
LN	36152-7	breast - right mr w contrast iv		C1524496
LN	36279-8	breast - right mr wo and w contrast iv		C1524127
LN	36279-8	breast - right mr wo and w contrast iv		C1524127
LN	46339-8	breast - unilateral mammogram		C1830240
LN	46299-4	breast - unilateral mr		C1830200
LN	46323-2	breast - unilateral mr w contrast iv		C1830224
LN	43528-9	breast - unilateral mr wo and w contrast iv		C1714927
LN	46333-1	breast - unilateral mr wo contrast		C1830234
LN	46305-9	whole body ct		C1830206
LN	44139-4	whole body pt w rnc iv		C1715409

Note

1. (241615005, SCT, "MRI of breast") is used historically in preference to (30794-2, LN, "breast mr") even though LOINC is used for more specific pre-coordinated concepts.
2. (46342-2, LN, "breast ffd mammogram") is specific to full field digital mammography, which is not explicit in the definition of (111409, DCM, "Digital Mammography").

CID 6051 Breast Procedure Reason

Note

Some of these terms were obtained from BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.380**

Table CID 6051. Breast Procedure Reason

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 6061 “Breast Imaging Procedure Modifiers”				
DCM	111415	Additional evaluation requested from prior study		
DCM	111416	Follow-up at short interval from prior study		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111417	History of breast augmentation, asymptomatic		
DCM	111418	Review of an outside study		
DCM	111402	Clinical finding		
SCT	59214008	Reduction mammoplasty	P1-48830	C0191922
SCT	53438000	Radiation therapy	P5-C0000	C1522449
SCT	22890008	Augmentation mammoplasty	P1-48840	C0191925
DCM	111419	Additional evaluation requested from abnormal screening exam		
SCT	384692006	Brachytherapy	P5-C018A	C0006098
DCM	111420	History of benign breast biopsy		
DCM	111421	Personal history of breast cancer with breast conservation therapy		
DCM	111124	Personal history of breast cancer with mastectomy		
DCM	111125	Known biopsy proven malignancy		
SCT	415076002	Personal history of breast cancer	G-03D3	C1387407
DCM	111590	Recall for technical reasons		
DCM	111591	Recall for imaging findings		
DCM	111592	Recall for patient symptoms/ clinical findings		

CID 6052 Breast Imaging Report Section Title

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.381**

Table CID 6052. Breast Imaging Report Section Title

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111423	Physical Examination Results		
DCM	111424	Comparison to previous exams		
DCM	121070	Findings		
LN	19005-8	Impressions		C0801998
DCM	121074	Recommendations		
DCM	121076	Conclusions		
DCM	121078	Addendum		
SCT	129715009	Breast composition	F-01710	C0005890
DCM	111413	Overall Assessment		
DCM	121058	Procedure reported		
DCM	111401	Reason for procedure		

CID 6053 Breast Imaging Report Elements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20040112**
UID: **1.2.840.10008.6.1.382**

Table CID 6053. Breast Imaging Report Elements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111423	Physical Examination Results		
DCM	111424	Comparison to previous exams		
DCM	121071	Finding		
DCM	121073	Impression		
DCM	121075	Recommendation		
DCM	121077	Conclusion		
SCT	129715009	Breast composition	F-01710	C0005890
DCM	111413	Overall Assessment		
DCM	121058	Procedure reported		
DCM	111401	Reason for procedure		

CID 6054 Breast Imaging Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.383**

Table CID 6054. Breast Imaging Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	290084006	Breast normal	F-8A084	C0567498
SCT	309587003	Calcification of breast	F-8A057	C0587094
SCT	40388003	Implant	A-04010	C0021102
Include CID 6016 “Mammography Composite Feature”				
Include CID 6057 “Ductography Findings for Breast”				
Include CID 6064 “Ultrasound Findings for Breast”				

CID 6055 Breast Clinical Finding or Indicated Problem

Note

Some of these terms were obtained from BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.384**

Table CID 6055. Breast Clinical Finding or Indicated Problem

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	268951004	O/E - Breast lump palpated	R-207D7	C0437107

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	290113009	Bloody nipple discharge	D7-90565	C0541951
DCM	111478	Non-bloody discharge (from nipple)		
DCM	111479	Difficult physical/clinical examination		
SCT	271989003	Disorder of breast implant	D7-90010	C0405486
SCT	129797000	Skin thickening of breast	F-0179A	C1268720
SCT	129796009	Skin retraction of breast	F-01799	C0238832
SCT	87386002	Peau d'orange surface of breast	D7-90560	C0425791
SCT	290119008	Nipple problem	F-8A09C	C0567530
SCT	164150006	O/E - axillary lymphadenopathy	R-20099	C0437624
SCT	53430007	Breast pain	F-8A030	C0024902
DCM	111480	Cancer elsewhere		
SCT	89164003	Breast lump	D7-90530	C0024103
SCT	290069002	Discoloration of skin of breast	F-8A074	C0567486
SCT	129748009	Radiographic calcification finding	F-01760	C0015663
DCM	111126	Image detected mass		
SCT	162164007	Nipple discharge symptom	F-03753	C0149741
SCT	247441003	Erythema	F-4410C	C0041834
SCT	274303007	O/E - lymphadenopathy	R-202A9	C0558515
SCT	285645000	Disseminated malignancy of unknown primary	DF-00577	C0563521

CID 6056 Associated Findings for Breast

Note

These terms were obtained from BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.385**

Table CID 6056. Associated Findings for Breast

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	302924003	Breast hematoma	D7-9002A	C0342095
SCT	63130001	Surgical scar	M-78280	C0334150
SCT	31845005	Nipple retraction	D7-90554	C0221370
Include CID 6015 “Single Image Finding from BI-RADS®”				

CID 6057 Ductography Findings for Breast

Note

These terms were obtained from BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20040112**
UID: **1.2.840.10008.6.1.386**

Table CID 6057. Ductography Findings for Breast

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111287	Normal breast tissue		
DCM	111425	Intraluminal filling defect		
SCT	22049009	Mammary duct ectasia	D7-90370	C0152442
DCM	111426	Multiple filling defect		
DCM	111427	Abrupt duct termination		
DCM	111428	Extravasation		
DCM	111429	Duct narrowing		
DCM	111430	Cyst fill		

CID 6058 Procedure Modifiers for Breast

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.387**

Table CID 6058. Procedure Modifiers for Breast

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6059 “Breast Implant Types”		
Include CID 6060 “Breast Biopsy Techniques”		
Include CID 6061 “Breast Imaging Procedure Modifiers”		
Include CID 12224 “Ultrasound Image Modes”		

CID 6059 Breast Implant Types

Note

Some of these terms were obtained from BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.388**

Table CID 6059. Breast Implant Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	2282003	Breast implant, type not specified	A-04830	C0179412
SCT	257357007	Silicone gel implant	A-04831	C0441274
DCM	111481	Saline implant		
DCM	111482	Polyurethane implant		
DCM	111483	Percutaneous silicone injection		
DCM	111484	Combination implant		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111485	Pre-pectoral implant		
DCM	111486	Retro-pectoral implant		

CID 6060 Breast Biopsy Techniques

Note

Some of these terms were obtained from BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.389**

Table CID 6060. Breast Biopsy Techniques

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	392021009	Lumpectomy	P1-030C4	C0851238
UMLS	C0024881	Mastectomy		C0024881
SCT	172049005	Quadrantectomy of breast	P1-4834A	C0337354
SCT	64318009	Diagnostic radiography, stereotactic localization	P5-00032	C0202577
SCT	61593002	Ultrasonic guidance procedure	P5-B0700	C0442973
SCT	71651007	Mammography	P5-40010	C0024671
DCM	111487	Mammographic (crosshair)		
DCM	111488	Mammographic (grid)		
SCT	277592004	Magnetic resonance imaging guided biopsy	P1-03107	C0456854
SCT	277591006	Computed tomography guided biopsy	P1-03106	C0456853
DCM	111489	Palpation guided		
DCM	111490	Vacuum assisted		

Note

1. In a prior version of this Context Group, the code P1-03115 was specified for the concept "Ultrasound guided biopsy". The use of this code is too restrictive, and its use in this context is deprecated. There is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use.

2. The incorrect code P1-43850 was previously used for mastectomy, presumably a two-character transposition of the actual SNOMED concept (5884001, SCT, "Mastectomy"); since the correct SNOMED concept is inactive (has a ConceptStatus in SNOMED of ambiguous) and there is no replacement, the corresponding UMLS concept (which maps to multiple coding schemes) is used instead. Currently SNOMED contains a more generic parent concept "Excision of breast tissue", which includes procedures that are less than a mastectomy, e.g., "excisional biopsy of breast", and only specific types of mastectomy, e.g., "simple mastectomy" or "mastectomy of left breast".

CID 6061 Breast Imaging Procedure Modifiers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090819**
UID: **1.2.840.10008.6.1.390**

Table CID 6061. Breast Imaging Procedure Modifiers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	360156006	Screening	R-42453	C1305399
SCT	261004008	Diagnostic	R-408C3	C0348026
DCM	111127	Targeted		
DCM	111128	Survey		
DCM	122505	Calibration		
DCM	110002	Quality Control		
DCM	111144	Needle localization and biopsy		
DCM	111123	Marker placement		

CID 6062 Interventional Procedure Complications

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181110**
UID: **1.2.840.10008.6.1.391**

Table CID 6062. Interventional Procedure Complications

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	110265006	Hemorrhage postprocedure	DD-66A67	C0032788
DCM	111491	Abnormal discharge		
SCT	213262007	Hematoma - postoperative	F-01FBA	C0472340
SCT	247472004	Weal	D0-00165	C0221232
SCT	408678008	Healthcare associated infection	DD-67703	C0010356
SCT	279047007	Persistent pain following procedure	F-A2632	C0458166
SCT	36118008	Pneumothorax	D2-80300	C0032326
SCT	271807003	Rash	D0-00058	C0015230
SCT	65124004	Swelling	M-02570	C0038999
SCT	398665005	Vasovagal syncope	F-A558A	C0042420
DCM	111492	No complications		

CID 6063 Interventional Procedure Results

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.392**

Table CID 6063. Interventional Procedure Results

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	30807003	Benign	G-A249	C0205183
SCT	258270003	High risk tumor	R-41DDC	C0475283
SCT	21594007	Malignant	G-A425	C0205282

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	281268007	Insufficient sample	M-09024	C0460062
SCT	280416009	Indeterminate result	F-01E06	C0459425

CID 6064 Ultrasound Findings for Breast

Note

These terms were obtained from BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.393**

Table CID 6064. Ultrasound Findings for Breast

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	169254007	Ultrasound scan normal	F-01BF8	C0581117
SCT	399294002	Cyst of breast	D7-90035	C0006144
DCM	111460	Complex cyst		
DCM	111461	Intracystic lesion		
SCT	22049009	Mammary duct ectasia	D7-90370	C0152442
DCM	111462	Solid mass		
SCT	59441001	Lymph node	T-C4000	C0024204
SCT	76649007	Sebaceous cyst of skin of breast	D7-90382	C0342082
DCM	111129	Clustered microcysts		
DCM	111130	Complicated cyst		
SCT	19227008	Foreign body	M-30400	C0016542

CID 6065 Instrument Approach

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.394**

Table CID 6065. Instrument Approach

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255561001	Medial	R-404D5	C0205098
SCT	49370004	Lateral	G-A104	C0205093
SCT	264217000	Superior	R-42191	C1282910
SCT	261089000	Inferior	R-4094A	C0542339
DCM	111432	Inferolateral to superomedial		
DCM	111433	Inferomedial to superolateral		
DCM	111434	Superolateral to inferomedial		
DCM	111435	Superomedial to inferolateral		

CID 6066 Target Confirmation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.395**

Table CID 6066. Target Confirmation

Coding Scheme Designator	Code Value	Code Meaning
DCM	111443	Target contained in the specimen
DCM	111444	Target partially obtained in the specimen
DCM	111445	Target not in the specimen
DCM	111446	Calcifications seen in the core
DCM	111447	Lesion completely removed
DCM	111448	Lesion partially removed
DCM	111449	Fluid obtained

CID 6067 Fluid Color

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.396**

Table CID 6067. Fluid Color

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371251000	White color	G-A12B	C0220938
SCT	371244009	Yellow color	G-A11D	C0221205
DCM	111450	Light brown color		
SCT	371246006	Green color	G-A11E	C0332583
SCT	371253002	Gray color	G-A12D	C1269776
DCM	111451	Dark red color		
DCM	111452	Dark brown color		
SCT	263707001	Clear	R-4205B	C2963144
SCT	371254008	Brown color	G-A12E	C0678579
DCM	111453	Bright red color		
DCM	111454	Blood tinged color		
SCT	371252007	Black color	G-A12C	C0439541

CID 6068 Tumor Stages From AJCC

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.397**

Table CID 6068. Tumor Stages From AJCC

Coding Scheme Designator	Code Value	Code Meaning
DCM	111494	Stage 0
DCM	111495	Stage I
DCM	111496	Stage IIA
DCM	111497	Stage IIB
DCM	111498	Stage IIIA
DCM	111499	Stage IIIB
DCM	111500	Stage IIIC
DCM	111501	Stage IV

CID 6069 Nottingham Combined Histologic Grade

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.398**

Table CID 6069. Nottingham Combined Histologic Grade

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	384668003	Nottingham Combined Grade cannot be determined	F-02B9B	C1273755
SCT	369790002	Nottingham Combined Grade I: 3-5 points	G-F616	C1298194
SCT	369791003	Nottingham Combined Grade II: 6-7 points	G-F617	C1298195
SCT	369792005	Nottingham Combined Grade III: 8-9 points	G-F618	C1298196

CID 6070 Bloom-Richardson Histologic Grade

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.399**

Table CID 6070. Bloom-Richardson Histologic Grade

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	54102005	Grade 1: well differentiated	G-F211	C0475269
SCT	1663004	Grade 2: moderately differentiated	G-F212	C0475270
SCT	61026006	Grade 3: poorly differentiated	G-F213	C0475271
SCT	258245003	Grade 4: undifferentiated	R-41DC5	C0475272

CID 6071 Histologic Grading Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**

UID: **1.2.840.10008.6.1.400**

Table CID 6071. Histologic Grading Method

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111502	Bloom-Richardson Grade		
SCT	372276001	Nottingham Combined Grade	R-00288	C1276778

CID 6072 Breast Implant Findings

Note

These terms were obtained from BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.401**

Table CID 6072. Breast Implant Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111503	Normal implants		
DCM	111504	Asymmetric implants		
DCM	111505	Calcified implant		
DCM	111506	Distorted implant		
DCM	111507	Silicone-laden lymph nodes		
DCM	111508	Free silicone		
DCM	111509	Herniated implant		
SCT	237473006	Rupture of breast implant	DD-66544	C0405491
DCM	111510	Explantation		

CID 6080 Gynecological Hormones

Note

Some of these terms were obtained from BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.402**

Table CID 6080. Gynecological Hormones

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	108899006	Contraceptives	C-B7100	C0009871
SCT	61946003	Estrogen product	C-A0900	C0014939
SCT	50318003	Progesterone product	C-A1204	C0033308
SCT	75959001	Tamoxifen	C-781E0	C0039286

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111542	Unspecified gynecological hormone		
SCT	109029006	Raloxifene	C-A0005	C0244404
SCT	386910003	Anastrozole	F-61B21	C0290883

CID 6081 Breast Cancer Risk Factors

Note

Some of these terms were obtained from BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.403**

Table CID 6081. Breast Cancer Risk Factors

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111550	Personal breast cancer history		
DCM	111551	History of endometrial cancer		
DCM	111552	History of ovarian cancer		
DCM	111553	History of high risk lesion on previous biopsy		
DCM	111554	Post menopausal patient		
SCT	102877006	Nulliparous	F-84430	C0425979
DCM	111555	Late child bearing (after 30)		
DCM	111556	BRCA1 breast cancer gene		
DCM	111557	BRCA2 breast cancer gene		
DCM	111558	BRCA3 breast cancer gene		
SCT	429740004	Family history of breast cancer	G-04C5	C1261325
DCM	111559	Weak family history of breast cancer		
DCM	111560	Intermediate family history of breast cancer		
DCM	111561	Very strong family history of breast cancer		
DCM	111562	Family history of prostate cancer		
DCM	111563	Family history unknown		
SCT	313376005	No family history of breast carcinoma	R-207AD	C1277317

CID 6082 Gynecological Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.404**

Table CID 6082. Gynecological Procedures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	386802000	Endometrial biopsy	P0-05CCA	C1510477
SCT	236886002	Hysterectomy	P1-8330D	C0020699
SCT	13091001	Dilation and curettage	P1-03151	C0012358

CID 6083 Procedures for Breast

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.405**

Table CID 6083. Procedures for Breast

Coding Scheme Designator	Code Value	Code Meaning
DCM	111564	Nipple discharge cytology
Include CID 6050 “Breast Procedure Reported”		
Include CID 6084 “Mammoplasty Procedures”		
Include CID 6085 “Therapies for Breast”		

CID 6084 Mammoplasty Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.406**

Table CID 6084. Mammoplasty Procedures

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	119853006	Breast implantation	P1-48501	C0178391
SCT	59214008	Reduction mammoplasty	P1-48830	C0191922
SCT	33496007	Breast reconstruction	P1-48820	C0085076
SCT	27315000	Removal of breast implant	P1-48520	C0191909

CID 6085 Therapies for Breast

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.407**

Table CID 6085. Therapies for Breast

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	367336001	Chemotherapy	P0-0058E	C3665472
SCT	53438000	Radiation therapy	P5-C0000	C1522449
SCT	169413002	Hormone therapy	P0-007AC	C0279025

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	23719005	Bone marrow transplant	P1-67D40	C0005961

CID 6086 Menopausal Phase

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.408**

Table CID 6086. Menopausal Phase

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	309606002	Before menopause	R-41FFF	C0587111
SCT	303111005	During menopause	R-422A5	C0587112
SCT	307429007	After menopause	R-410C3	C0587113
SCT	371036001	Postsurgical menopause	D7-76202	C0740421
SCT	31351009	Artificial menopause state	D7-76200	C0232972

CID 6087 General Risk Factors

This context group collects risk factor terms from specialized risk factor context groups into one aggregate list for general purpose use.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.409**

Table CID 6087. General Risk Factors

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6081 “Breast Cancer Risk Factors”		
Include CID 6088 “OB-GYN Maternal Risk Factors”		

CID 6088 OB-GYN Maternal Risk Factors

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.410**

Table CID 6088. OB-GYN Maternal Risk Factors

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	161445009	History of - diabetes mellitus	G-023F	C0455488
SCT	161501007	History of - hypertension	G-0269	C0455527
SCT	161453001	History of - obesity	G-0244	C0455493
SCT	161656000	History of - regular medication	G-02D0	C0455633
SCT	371422002	History of substance abuse	G-0338	C1299544
SCT	266995000	History of - cardiovascular disease	G-0335	C0455539

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111565	Uterine malformations		
SCT	161763005	History of - ectopic pregnancy	G-0304	C0438096
DCM	111566	Spontaneous Abortion		
DCM	111567	Gynecologic condition		
DCM	111568	Gynecologic surgery		
SCT	161806007	History of - eclampsia	G-031E	C0438072
SCT	161807003	History of - severe pre-eclampsia	G-031F	C0438073
DCM	111569	Previous LBW or IUGR birth		
DCM	111570	Previous fetal malformation/syndrome		
SCT	161765003	History of - premature delivery	G-0305	C0438076
DCM	111571	Previous RH negative or blood dyscrasia at birth		
SCT	161798008	History of infertility	G-0319	C0438063
DCM	111572	History of multiple fetuses		
SCT	16356006	Multiple pregnancy	D8-20100	C0032989
DCM	111573	Current pregnancy, known or suspected malformations/syndromes		
DCM	111574	Family history, fetal malformation/syndrome		

CID 6089 Substances

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.411**

Table CID 6089. Substances

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	419442005	Ethyl alcohol	C-21047	C0001962
SCT	703842006	Amphetamine	R-FBDEA	C0002658
SCT	398705004	Marijuana	F-61D6F	C0678449
SCT	387085005	Cocaine	F-61C76	C0009170
SCT	387341002	Heroin	F-61AC4	C0011892
SCT	15698006	Lysergic acid diethlyamide	C-63A10	C0024334
SCT	373780001	Mescaline	F-6169A	C0025460
SCT	9721008	Phencyclidine	C-6A180	C0031381
SCT	387286002	Methadone	F-61A95	C0025605
SCT	373529000	Morphine	F-618D7	C0026549
SCT	373337007	Methlyphenidate	F-618FE	C0025810
SCT	81911001	Chewing tobacco	C-F3310	C0008038
SCT	66562002	Cigarette smoking tobacco	C-F3302	C0301612
SCT	255641001	Caffeine	F-61117	C0006644

CID 6090 Relative Usage, Exposure Amount

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.412**

Table CID 6090. Relative Usage, Exposure Amount

Coding Scheme Designator	Code Value	Code Meaning
DCM	111575	High
DCM	111576	Medium
DCM	111577	Low
DCM	111587	No known exposure

CID 6091 Relative Frequency of Event Values

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.413**

Table CID 6091. Relative Frequency of Event Values

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255238004	Continuous	R-40377	C0549178
SCT	70232002	Frequent	G-7154	C0332183
SCT	255218000	Mid-frequency	R-40365	C0439604
SCT	27789000	Infrequent	G-7155	C0521114
SCT	225761000	As required	R-40B16	C0558288
SCT	307486002	Single event	R-4112F	C0585347

CID 6092 Quantitative Concepts for Usage, Exposure

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.414**

Table CID 6092. Quantitative Concepts for Usage, Exposure

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	260911001	Dosage	G-C0B7	C0178602
DCM	111578	Dose frequency		
DCM	111579	Rate of exposure		
DCM	111580	Volume of use		

CID 6093 Qualitative Concepts for Usage, Exposure Amount

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**

UID: **1.2.840.10008.6.1.415**

Table CID 6093. Qualitative Concepts for Usage, Exposure Amount

Coding Scheme Designator	Code Value	Code Meaning
DCM	111581	Relative dose amount
DCM	111582	Relative amount of exposure
DCM	111583	Relative amount of use

CID 6094 Qualitative Concepts for Usage, Exposure Frequency

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.416**

Table CID 6094. Qualitative Concepts for Usage, Exposure Frequency

Coding Scheme Designator	Code Value	Code Meaning
DCM	111584	Relative dose frequency
DCM	111585	Relative frequency of exposure
DCM	111586	Relative frequency of use

CID 6095 Numeric Properties of Procedures

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.417**

Table CID 6095. Numeric Properties of Procedures

Coding Scheme Designator	Code Value	Code Meaning
DCM	111465	Needle Gauge
DCM	111467	Needle Length

CID 6096 Pregnancy Status

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.418**

Table CID 6096. Pregnancy Status

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	60001007	not pregnant	F-81890	C0232973
SCT	102874004	possible pregnancy	F-84094	C0425965
SCT	77386006	patient currently pregnant	F-84000	C0549206
SCT	261665006	Unknown	R-41198	C0439673

CID 6097 Side of Family

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.419**

Table CID 6097. Side of Family

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111541	Maternal		
SCT	224944003	Paternal	R-40333	C0337493

CID 6098 Clinical Course of Disease

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190125**
UID: **1.2.840.10008.6.1.1277**

Table CID 6098. Clinical Course of Disease

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
NCIt	C40413	No Evidence of Disease		C1518340
NCIt	C38155	Recurrent Disease		C0277556

CID 6099 Racial Group

Note

This Context Group is intended to be a set of values that is the union of concepts used in various jurisdictions. It does not distinguish race from ethnic group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190125**
UID: **1.2.840.10008.6.1.1278**

Table CID 6099. Racial Group

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	413464008	African race	S-0004E	C0027567
SCT	413582008	Asian race	S-00051	C0078988
SCT	413773004	Caucasian race	S-0003D	C0007457
SCT	413490006	American Indian or Alaska native	S-0004B	C1515945
NCIt	C41219	Native Hawaiian or other Pacific Islander		C1513907

CID 6100 Chest Component Categories

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.420**

Table CID 6100. Chest Component Categories

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	39607008	Lung	T-28000	C0024109
DCM	112052	Bronchovascular		
SCT	3120008	Pleural structure	T-29000	C0032225
SCT	72410000	Mediastinum	T-D3300	C0025066
SCT	80891009	Heart	T-32000	C0018787
DCM	112053	Osseous		
SCT	281157001	Systemic vascular structure	T-4000E	C0459962
SCT	263816006	Muscular	R-420AE	C0442025

CID 6101 Chest Finding or Feature

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.421**

Table CID 6101. Chest Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning
DCM	112061	Abnormal lines (1D)
DCM	112033	Abnormal opacity
DCM	112062	Abnormal lucency
DCM	112063	Abnormal calcifications
DCM	112064	Abnormal texture
DCM	112005	Radiographic anatomy
DCM	111102	Non-lesion
DCM	111101	Image quality
DCM	111099	Selected region

CID 6102 Chest Finding or Feature Modifier

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.422**

Table CID 6102. Chest Finding or Feature Modifier

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6103 “Abnormal Lines Finding or Feature”		
Include CID 6104 “Abnormal Opacity Finding or Feature”		
Include CID 6105 “Abnormal Lucency Finding or Feature”		
Include CID 6106 “Abnormal Texture Finding or Feature”		
Include CID 6109 “Radiographic Anatomy Finding or Feature”		
Include CID 6138 “Chest Non-lesion Object Type”		

CID 6103 Abnormal Lines Finding or Feature

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.423**

Table CID 6103. Abnormal Lines Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112065	Reticulonodular pattern		
DCM	112104	Air-fluid level		
DCM	112105	Corona radiata		
DCM	112106	Honeycomb pattern		
DCM	112107	Fleischner's line(s)		
DCM	112108	Intralobular lines		
DCM	112109	Kerley A line		
DCM	112110	Kerley B line		
DCM	112111	Kerley C lines		
DCM	112112	Parenchymal band		
SCT	40779009	Plate-like atelectasis	D2-60302	C0264494
DCM	112113	Reticular pattern		
DCM	112114	Septal line(s)		
DCM	112115	Subpleural line		
DCM	112116	Tramline shadow		
DCM	112117	Tubular shadow		

CID 6104 Abnormal Opacity Finding or Feature

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.424**

Table CID 6104. Abnormal Opacity Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112066	Beaded septum sign		
DCM	112067	Nodular pattern		
DCM	112059	Primary complex		
DCM	112068	Pseudoplaque		
DCM	112065	Reticulonodular pattern		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112069	Signet-ring sign		
DCM	112004	Abnormal interstitial pattern		
SCT	308689002	Coin lesion	F-20172	C0009250
DCM	112118	Density		
DCM	112119	Dependent opacity		
DCM	112120	Ground glass opacity		
DCM	112121	Infiltrate		
SCT	4147007	Mass	M-03000	C0577559
DCM	112122	Micronodule		
SCT	27925004	Nodule	M-03010	C0028259
DCM	112001	Opacity		
DCM	112123	Phantom tumor (pseudotumor)		
DCM	112124	Shadow		
DCM	112125	Small irregular opacities		
DCM	112126	Small rounded opacities		
DCM	112127	Tree-in-bud sign		
SCT	59282003	Pulmonary embolism	D3-40230	C0034065

CID 6105 Abnormal Lucency Finding or Feature

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.425**

Table CID 6105. Abnormal Lucency Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112070	Air bronchiologram		
DCM	112071	Air bronchogram		
DCM	112072	Air crescent		
SCT	76171001	Air-trapping	F-20240	C0231819
DCM	112073	Halo sign		
SCT	16838000	Pneumomediastinum	D2-81180	C0025062
SCT	36118008	Pneumothorax	D2-80300	C0032326

CID 6106 Abnormal Texture Finding or Feature

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.426**

Table CID 6106. Abnormal Texture Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning
DCM	112067	Nodular pattern
DCM	112065	Reticulonodular pattern
DCM	112004	Abnormal interstitial pattern
DCM	112128	Granular pattern
DCM	112106	Honeycomb pattern
DCM	112129	Miliary pattern
DCM	112130	Mosaic pattern
DCM	112113	Reticular pattern
DCM	112125	Small irregular opacities

CID 6107 Width Descriptor

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.427**

Table CID 6107. Width Descriptor

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	260376009	Enlarged	R-40750	C0442800
SCT	134223000	Narrow	R-41727	C0333164
DCM	112077	Vasoconstriction		
DCM	112078	Vasodilation		

CID 6108 Chest Anatomic Structure Abnormal Distribution

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.428**

Table CID 6108. Chest Anatomic Structure Abnormal Distribution

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	76171001	Air-trapping	F-20240	C0231819
DCM	112079	Architectural distortion		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112080	Mosaic perfusion		
DCM	112060	Oligemia		
DCM	112081	Pleonemia		

CID 6109 Radiographic Anatomy Finding or Feature

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.429**

Table CID 6109. Radiographic Anatomy Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6110 “Lung Anatomy Finding or Feature”		
Include CID 6111 “Bronchovascular Anatomy Finding or Feature”		
Include CID 6112 “Pleura Anatomy Finding or Feature”		
Include CID 6113 “Mediastinum Anatomy Finding or Feature”		
Include CID 6114 “Osseous Anatomy Finding or Feature”		
Include CID 6116 “Muscular Anatomy”		
Include CID 6117 “Vascular Anatomy”		
DCM	112082	Interface
DCM	112083	Line
DCM	112084	Lucency

CID 6110 Lung Anatomy Finding or Feature

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.430**

Table CID 6110. Lung Anatomy Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	31094006	Lobe of lung	T-28770	C0225752
DCM	112085	Midlung window		
DCM	112054	Secondary pulmonary lobule		
SCT	72674008	Segment of lung	T-280D0	C0225705

CID 6111 Bronchovascular Anatomy Finding or Feature

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.431**

Table CID 6111. Bronchovascular Anatomy Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	89187006	Airway structure	T-20001	C0458827
SCT	955009	Bronchus	T-26000	C0006255
SCT	28700002	Carina	T-25201	C0225594
DCM	112086	Carina angle		
DCM	112087	Centrilobular structures		
SCT	46750007	Hilum of lung	T-28080	C0225701

CID 6112 Pleura Anatomy Finding or Feature

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.432**

Table CID 6112. Pleura Anatomy Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112088	Anterior junction line		
SCT	278983006	Fissure of lung	T-D051D	C0458078
DCM	112089	Posterior junction line		

CID 6113 Mediastinum Anatomy Finding or Feature

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130617**
UID: **1.2.840.10008.6.1.433**

Table CID 6113. Mediastinum Anatomy Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	85856004	Acromioclavicular Joint	T-15420	C0001208
SCT	34202007	Aortic Valve	T-35400	C0003501
SCT	70142008	Atrial Septal Defect	D4-31220	C0018817
SCT	59652004	Atrium	T-32100	C0018792
SCT	368536000	Axillary Fascia	T-18774	C0225236
DCM	112090	Azygoesophageal recess interface		
SCT	28700002	Carina	T-25201	C0225594
SCT	51345006	Carotid Body	T-B4000	C0007277
SCT	50016007	Costal Cartilage	T-11240	C0222787
SCT	280062008	Esophageal Hiatus	T-D3412	C0230160
SCT	32849002	Esophagus	T-56000	C0014876
SCT	120576005	Fascial layer	T-D0634	C1268198
SCT	80891009	Heart	T-32000	C0018787
DCM	112095	Hiatus		
SCT	75245000	Left main bronchus	T-26500	C0225630
SCT	2160002	Ligamentum arteriosum	T-42370	C0226023
SCT	59441001	Lymph node	T-C4000	C0024204
SCT	91134007	Mitral Valve	T-35300	C0026264
DCM	112091	Paraspinal line		
DCM	112092	Posterior tracheal stripe		
SCT	39057004	Pulmonary valve	T-35200	C0034086
SCT	70074004	Right main bronchus	T-26100	C0225608
DCM	112093	Right tracheal stripe		
DCM	112094	Stripe		
SCT	1732005	Thoracic Duct	T-C6510	C0039979
SCT	9875009	Thymus Gland	T-C8000	C0040113
SCT	69748006	Thyroid	T-B6000	C0040132
SCT	44567001	Trachea	T-25000	C0040578
SCT	31764008	Trapezius muscle	T-14171	C0224361
SCT	46030003	Tricuspid Valve	T-35100	C0040960
SCT	21814001	Ventricle	T-32400	C0018827

CID 6114 Osseous Anatomy Finding or Feature

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.434**

Table CID 6114. Osseous Anatomy Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	51299004	Clavicle	T-12310	C0008913
SCT	85050009	Humerus	T-12410	C0020164
SCT	113197003	Rib	T-11300	C0035561
SCT	79601000	Scapula	T-12280	C0036277
SCT	421060004	Spine	T-D04FF	C0037949
SCT	56873002	Sternum	T-11210	C0038293
SCT	51282000	Vertebra	T-11510	C0549207

CID 6115 Osseous Anatomy Modifiers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.435**

Table CID 6115. Osseous Anatomy Modifiers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	31934006	Acromion process of scapula	T-12281	C0001209
SCT	14510004	Angle of rib	T-11307	C0222812
SCT	40265002	Arch of vertebra	T-11511	C0223076
SCT	52509009	Body of sternum	T-11220	C0222771
SCT	75319007	Clavicular notch of sternum	T-11219	C0222770
SCT	8931003	Coracoid process of scapula	T-12282	C0223626
SCT	17399006	Costal groove	T-11308	C0222813
SCT	51698000	Dorsal aspect of scapula	T-12287	C0223631
SCT	46385009	Glenoid cavity of scapula	T-1228A	C1261046
SCT	12872006	Head of rib	T-11301	C0222806
SCT	181901007	Inferior articular facet of axis	T-116EF	C0223115
SCT	317766009	Inferior articular process of vertebra	T-1153F	C0223083
SCT	89340005	Lamina of vertebra	T-11514	C0223079
SCT	37285002	Manubrium of sternum	T-11211	C0024764
SCT	72184008	Neck of rib	T-11303	C0222808
SCT	26444007	Pectoral girdle	T-12200	C0427245
SCT	78972004	Pedicle of vertebra	T-11515	C0223080
DCM	112096	Rib Scalene Tubercle		
DCM	112101	Scapular Infraspinatus Fossa		
DCM	112099	Scapular Spine		
DCM	112100	Scapular Supraspinatus Fossa		
SCT	41601005	Shaft of rib	T-11309	C0448161
SCT	55678000	Spinous process of vertebra	T-11512	C0223077
SCT	44612009	Sternal angle	T-11221	C0222772

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112098	Subscapular Fossa		
SCT	181900008	Superior articular facet of axis	T-116EE	C0223114
SCT	317665004	Superior articular process of vertebra	T-1153E	C0223082
SCT	26493002	Suprasternal notch	T-11218	C0222769
SCT	73400003	Transverse process or vertebra	T-11513	C0223078
SCT	113198008	Tubercle of rib	T-11304	C0222809
SCT	61853006	Vertebral canal	T-1151F	C0037922
SCT	280734009	Vertebral foramen	T-11531	C0459720
DCM	112097	Vertebral Intervertebral Notch		
SCT	20298003	Xiphoid process of sternum	T-11227	C0043356

CID 6116 Muscular Anatomy

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.436**

Table CID 6116. Muscular Anatomy

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	102298001	Chordae tendineae cordis	T-35020	C0008484
SCT	35259002	Deltoid muscle	T-13660	C0224234
SCT	5798000	Diaphragm	T-D3400	C0011980
SCT	44947003	Erector spinae muscle	T-14020	C0224301
SCT	53967007	External intercostal muscle	T-14161	C1744535
SCT	57651003	Iliocostalis muscle	T-14030	C0224302
SCT	72573008	Infraspinatus muscle	T-13620	C0584882
SCT	24062007	Innermost intercostal muscles	T-14165	C0224357
SCT	58095006	Interatrial septum	T-32150	C0225836
SCT	41313007	Internal intercostal muscle	T-14163	C1744536
SCT	589001	Interventricular septum	T-32410	C0225870
SCT	15665001	Latissimus dorsi muscle	T-14172	C0224362
SCT	73930003	Levatores costarum muscles	T-14150	C1744586
SCT	88340001	Longissimus muscle	T-14040	C0224306
SCT	60005003	Pectoralis major muscle	T-14110	C0585574
SCT	18686000	Pectoralis minor muscle	T-14120	C0224347
SCT	50755001	Scalenous anterior muscle	T-13450	C0224173
SCT	18346003	Serratus anterior muscle	T-14140	C0224349
SCT	4317002	Spinalis muscle	T-14050	C0224310
SCT	22823000	Sternocleidomastoid muscle	T-13310	C0224153
SCT	64658001	Subcostal muscle	T-14166	C0224358

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	90588001	Subscapularis muscle	T-13650	C0584884
SCT	6423006	Supraspinatus muscle	T-13610	C0584869
SCT	1193009	Teres major muscle	T-13640	C0224232
SCT	51159009	Teres minor muscle	T-13630	C0224231
SCT	118755002	Trabeculae carnae	T-32423	C0502348
SCT	88454005	Transversus thoracis	T-14167	C1744608
SCT	31764008	Trapezius muscle	T-14171	C0224361

CID 6117 Vascular Anatomy

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130617**
UID: **1.2.840.10008.6.1.437**

Table CID 6117. Vascular Anatomy

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 3015 “Coronary Arteries”				
SCT	57034009	Aortic arch	T-42300	C0003489
SCT	88593004	Aortic isthmus	T-42310	C0226019
DCM	112102	Aortic knob		
DCM	112103	Arch of the Azygos vein		
SCT	54247002	Ascending aorta	T-42100	C0003956
SCT	67937003	Axillary Artery	T-47100	C0004455
SCT	68705008	Axillary vein	T-49110	C0004456
SCT	72107004	Azygos vein	T-48340	C0004526
SCT	17137000	Brachial artery	T-47160	C0006087
SCT	36582005	Brachial plexus	T-A9090	C0006090
SCT	12691009	Brachiocephalic trunk	T-46010	C0006094
SCT	8887007	Brachiocephalic vein	T-48620	C0006095
SCT	64468002	Bronchial artery	T-46310	C0006257
SCT	32062004	Common carotid artery	T-45100	C0162859
SCT	3159004	Costocervical trunk	T-46180	C0226273
SCT	281130003	Descending aorta	T-D0765	C0011666
SCT	91732003	Dorsal scapular artery	T-461A0	C0500583
SCT	206034008	Esophageal artery	T-4630D	C0226294
SCT	29660000	Inferior phrenic artery	T-46940	C0226406
SCT	64131007	Inferior vena cava	T-48710	C0042458
SCT	281134007	Intercostal artery	T-D305A	C0459917
SCT	12123001	Internal jugular vein	T-48170	C0226550
SCT	69327007	Internal thoracic artery	T-46200	C0226276
SCT	3924000	Pericardiophrenic Artery	T-46210	C0226287

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	81040000	Pulmonary artery	T-44000	C0034052
SCT	45341000	Pulmonary trunk	T-44100	C0034052
SCT	122972007	Pulmonary vein	T-48581	C0034090
SCT	36765005	Subclavian artery	T-46100	C0038530
SCT	9454009	Subclavian vein	T-48330	C0038532
SCT	38991005	Superior phrenic artery	T-46350	C0226295
SCT	48345005	Superior vena cava	T-48610	C0042459
SCT	6538005	Thyrocervical trunk	T-46130	C0226263
SCT	85234005	Vertebral artery	T-45700	C0042559

Note

In a prior version of this Context Group the code T-48500 rather than T-48581 was defined for the concept Pulmonary Vein; this was inconsistent with the DICOM approach of selecting the "structure of" rather than "entire" concept. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 6118 Size Descriptor

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.438**

Table CID 6118. Size Descriptor

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112131	Extremely small		
DCM	112132	Very small		
SCT	255507004	Small	R-404A8	C0700321
SCT	255508009	Medium	R-404A9	C0439536
SCT	255509001	Large	R-404AA	C0549177
SCT	260376009	Enlarged	R-40750	C0442800
DCM	112133	Too small		

CID 6119 Chest Border Shape

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.439**

Table CID 6119. Chest Border Shape

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	42700002	Round shape	M-02100	C0332490
DCM	112134	Elliptic		
SCT	49608001	Irregular	G-A402	C0205271
DCM	112135	Lobulated		
DCM	112136	Spiculated		

CID 6120 Chest Border Definition

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190326**
UID: **1.2.840.10008.6.1.440**

Table CID 6120. Chest Border Definition

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	260409000	Well defined	R-40771	C0442825
DCM	112137	Sharply defined		
SCT	300841009	Poorly defined	R-428E7	C0577553
DCM	112138	Distinctly defined		
DCM	112139	Well demarcated		
DCM	112140	Sharply demarcated		
DCM	112141	Poorly demarcated		
SCT	263706005	Circumscribed	R-4205A	C1282914

CID 6121 Chest Orientation Descriptor

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.441**

Table CID 6121. Chest Orientation Descriptor

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	24020000	Horizontal	G-A142	C0205126
SCT	33096000	Vertical	G-A144	C0205128
SCT	21114003	Oblique	G-A472	C0205315

CID 6122 Chest Content Descriptor

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.442**

Table CID 6122. Chest Content Descriptor

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112143	Air		
SCT	256674009	Fat	T-D008A	C0015677
DCM	112144	Soft tissue		
DCM	112145	Calcium		
SCT	19227008	Foreign material (iodized oil, mercury,talc)	M-30400	C0016542

CID 6123 Chest Opacity Descriptor

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.443**

Table CID 6123. Chest Opacity Descriptor

Coding Scheme Designator	Code Value	Code Meaning
DCM	112146	Acinar
DCM	112147	Air space
DCM	112148	Fibronodular
DCM	112149	Fluffy
DCM	112150	Linear
DCM	112151	Profusion
DCM	112152	Silhouette sign

CID 6124 Location in Chest

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.444**

Table CID 6124. Location in Chest

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6125 “General Chest Location”		

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6126 “Location in Lung”		
Include CID 6127 “Segment Location in Lung”		

CID 6125 General Chest Location

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.445**

Table CID 6125. General Chest Location

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	26216008	Central	G-A110	C0205099
SCT	14414005	Peripheral	G-A111	C0205100
SCT	43674008	Apical	G-A122	C0205111
SCT	57195005	Basal	G-A123	C0205112

CID 6126 Location in Lung

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.446**

Table CID 6126. Location in Lung

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	281392002	Upper zone of lung	T-D3208	C0559286
SCT	281393007	Middle zone of lung	T-D3209	C0559287
SCT	281394001	Lower zone of lung	T-D320A	C0559288
SCT	45653009	Upper lobe of lung	T-28820	C0225756
SCT	40020002	Middle lobe of lung	T-28825	C0225757
SCT	90572001	Lower lobe of lung	T-28830	C0225758
DCM	112153	Subpleural		

CID 6127 Segment Location in Lung

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.447**

Table CID 6127. Segment Location in Lung

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	39743006	Anterior segment of right upper lobe	T-28230	C0225718
SCT	22270008	Anterior segment of left upper lobe	T-28630	C0225742

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	3236000	Posterior segment of right upper lobe	T-28220	C0225717

CID 6128 Chest Distribution Descriptor

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.448**

Table CID 6128. Chest Distribution Descriptor

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112154	Bat's wing distribution		
DCM	112155	Butterfly distribution		
DCM	112156	Centrilobular		
DCM	112157	Coalescent		
SCT	19648000	Diffuse	G-A321	C0205219
SCT	255282008	Discoid	M-020FA	C0439641
SCT	65709003	Disseminated	G-A324	C0205221
SCT	87017008	Focal	G-A351	C0205234
SCT	60132005	Generalized	G-A366	C0205246
DCM	112158	Lobar		
SCT	524008	Multifocal	G-A443	C0205292
SCT	62372003	Segmental	G-A137	C0205122
SCT	31099001	Systemic	G-A572	C0205373

CID 6129 Chest Site Involvement

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.449**

Table CID 6129. Chest Site Involvement

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	39607008	Lung	T-28000	C0024109
SCT	72410000	Mediastinum	T-D3300	C0025066
DCM	112158	Lobar		
SCT	85293002	Interstitial tissue	T-1A007	C0225318

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	261061003	Bronchial	R-40939	C0205039
SCT	46750007	Hilum of lung	T-28080	C0225701
SCT	15825003	Aorta	T-42000	C0003483
SCT	3120008	Pleural structure	T-29000	C0032225
SCT	78904004	Chest wall	T-D3050	C0205076
SCT	80581009	Upper abdomen	T-D4001	C2937240

CID 6130 Severity Descriptor

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.450**

Table CID 6130. Severity Descriptor

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255604002	Mild	R-404FA	C2945599
SCT	6736007	Moderate	G-A002	C0205081
SCT	24484000	Severe	G-A003	C0205082
SCT	373933003	Acute onset	R-424BE	C1276802
SCT	90734009	Chronic	G-A270	C0205191
DCM	112159	Hyper-acute		
SCT	19939008	Subacute	G-A561	C0205365

CID 6131 Chest Texture Descriptor

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.451**

Table CID 6131. Chest Texture Descriptor

Coding Scheme Designator	Code Value	Code Meaning
DCM	112160	Homogeneous (uniform opacity)
DCM	112161	Inhomogeneous

CID 6132 Chest Calcification Descriptor

Note

Original source of terms is [Fraser and Pare].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**

UID: **1.2.840.10008.6.1.452**

Table CID 6132. Chest Calcification Descriptor

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129751002	Eggshell calcification	F-01763	C1313950
SCT	129749001	Coarse (popcorn-like) calcification	F-01761	C1268677
DCM	112162	Target		
SCT	88446008	Laminated	G-A405	C0205274
DCM	112163	Fibrocalcific		
DCM	112164	Flocculent		
SCT	255288007	Nodular	R-403A7	C0205297
SCT	83323007	Ossification	F-12100	83323007

CID 6133 Chest Quantitative Temporal Difference Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100604**
UID: **1.2.840.10008.6.1.453**

Table CID 6133. Chest Quantitative Temporal Difference Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	442714003	Difference in size	F-05173	C2711955
SCT	442726008	Difference in location	F-05179	C2711109

CID 6134 Chest Qualitative Temporal Difference Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090717**
UID: **1.2.840.10008.6.1.454**

Table CID 6134. Chest Qualitative Temporal Difference Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	442755000	Difference in border shape	F-0517E	C2711283
SCT	442688001	Difference in border definition	F-05166	C2711343
SCT	442704007	Difference in distribution	F-0516C	C2711851
SCT	442711006	Difference in site involvement	F-05170	C2711937
SCT	442691001	Difference in substance	F-05167	C2711644
SCT	442700003	Difference in Texture	F-0516A	C2711323
SCT	129722001	Finding partially removed	F-01722	C1268650
SCT	129723006	No significant changes in the finding	F-01723	C1268651
SCT	15454001	Increase in size	M-02520	C0332509

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	19776001	Decrease in size	M-02530	C0332511
SCT	129728002	Less defined	F-01728	C1268656
SCT	129729005	More defined	F-01729	C1268657

CID 6135 Image Quality Finding

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090402**
UID: **1.2.840.10008.6.1.455**

Table CID 6135. Image Quality Finding

Coding Scheme Designator	Code Value	Code Meaning
DCM	111208	Grid artifact(s)
DCM	111209	Positioning
DCM	111210	Motion blur
DCM	111211	Under exposed
DCM	111212	Over exposed
DCM	111213	No image
DCM	111214	Detector artifact(s)
DCM	111215	Artifact(s) other than grid or detector artifact
DCM	111216	Mechanical failure
DCM	111217	Electrical failure
DCM	111218	Software failure
DCM	111219	Inappropriate image processing
DCM	111220	Other failure
DCM	111221	Unknown failure
RADLEX	RID11327	Beam-hardening artifact

CID 6136 Chest Types of Quality Control Standard

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.456**

Table CID 6136. Chest Types of Quality Control Standard

Coding Scheme Designator	Code Value	Code Meaning
DCM	112035	Performance of Pediatric and Adult Chest Radiography, ACR
DCM	112036	ACR Position Statement
DCM	111240	Institutionally defined quality control standard
DCM	112184	Performance of Pediatric and Adult Thoracic CT
DCM	112185	Performance of CT for Detection of Pulmonary Embolism in Adults
DCM	112186	Performance of High-Resolution CT of the Lungs in Adults

CID 6137 Types of CAD Analysis

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.457**

Table CID 6137. Types of CAD Analysis

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Notes
SCT	133884007	Spatial collocation analysis	P5-B3402	C1297892	See Note 1
SCT	133885008	Spatial proximity analysis	P5-B3404	C1297893	See Note 2
SCT	133886009	Temporal correlation	P5-B3406	C1297894	
SCT	133887000	Image quality analysis	P5-B3408	C1297895	

Note

1. Spatial Co-location Analysis is used to identify features that are the same or located in the same place.
2. Spatial Proximity Analysis is used to identify different features that are related spatially.

CID 6138 Chest Non-lesion Object Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.458**

Table CID 6138. Chest Non-lesion Object Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 6404 “Chest Non-lesion Object Type - Physical Objects”				
Include CID 6405 “Chest Non-lesion Object Type - Tissues”				

Note

The use of (111176, DCM, "Unspecified") was previously included in this context group but was removed since it does not make sense to have Chest CAD detections of an unknown type (was using TID 4015 “CAD Detections Performed” invoked by TID 4100 “Chest CAD Document Root”, TID 4102 “Chest CAD Composite Feature” and TID 4104 “Chest CAD Single Image Finding” of an unknown type).

CID 6139 Non-lesion Modifiers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.459**

Table CID 6139. Non-lesion Modifiers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	260521003	Internal	R-40819	C0205102
SCT	261074009	External	R-40941	C0205101

CID 6140 Calculation Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070625**
UID: **1.2.840.10008.6.1.460**

Table CID 6140. Calculation Methods

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	414135002	Estimated	R-10260	C0750572
DCM	112187	Unspecified method of calculation		
DCM	112055	Agatston scoring method		
DCM	112056	Volume scoring method		
DCM	112057	Mass scoring method		
DCM	112188	Two-dimensional method		
DCM	112189	Three-dimensional method		

CID 6141 Attenuation Coefficient Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.461**

Table CID 6141. Attenuation Coefficient Measurements

Coding Scheme Designator	Code Value	Code Meaning
DCM	112031	Attenuation Coefficient
DCM	112179	Minimum Attenuation Coefficient
DCM	112180	Maximum Attenuation Coefficient
DCM	112181	Mean Attenuation Coefficient
DCM	112182	Median Attenuation Coefficient
DCM	112183	Standard Deviation of Attenuation Coefficient

CID 6142 Calculated Value

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070625**
UID: **1.2.840.10008.6.1.462**

Table CID 6142. Calculated Value

Coding Scheme Designator	Code Value	Code Meaning
DCM	112017	Cavity extent as percent of volume
DCM	112018	Calcification extent as percent of surface
DCM	112019	Calcification extent as percent of volume
DCM	112058	Calcium score
DCM	112191	Breast tissue density
DCM	112192	Volume of parenchymal tissue

Coding Scheme Designator	Code Value	Code Meaning
DCM	112193	Volume of breast
DCM	112194	Mass of parenchymal tissue
DCM	112195	Mass of breast
DCM	112196	Area of Vascular Calcification
DCM	112197	Volume of Vascular Calcification
DCM	112198	Percentage of Vascular Calcification
DCM	112199	Mass of Vascular Calcification
DCM	112200	Average calcification distance in a calcification cluster
DCM	112201	Standard deviation distance of calcifications in a cluster

CID 6143 Lesion Response

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.463**

Table CID 6143. Lesion Response

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6144 “RECIST Defined Lesion Response”		

CID 6144 RECIST Defined Lesion Response

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.464**

Table CID 6144. RECIST Defined Lesion Response

Coding Scheme Designator	Code Value	Code Meaning
DCM	112041	Target Lesion Complete Response
DCM	112042	Target Lesion Partial Response
DCM	112043	Target Lesion Progressive Disease
DCM	112044	Target Lesion Stable Disease
DCM	112045	Non-Target Lesion Complete Response
DCM	112046	Non-Target Lesion Incomplete Response or Stable Disease
DCM	112047	Non-Target Lesion Progressive Disease

CID 6145 Baseline Category

Note

From RECIST

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030108**
UID: **1.2.840.10008.6.1.465**

Table CID 6145. Baseline Category

Coding Scheme Designator	Code Value	Code Meaning
DCM	112074	Target Lesion at Baseline
DCM	112075	Non-Target Lesion at Baseline
DCM	112076	Non-Lesion at Baseline

CID 6146 Time Point Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.1002**

Table CID 6146. Time Point Types

Coding Scheme Designator	Code Value	Code Meaning
UMLS	C1442488	Baseline
UMLS	C3539075	Pretreatment
DCM	126074	Posttreatment
DCM	126075	Eligibility
UMLS	C1699701	Unscheduled
UMLS	C1708760	Nadir

Note

1. (C1442488, UMLS, "Baseline") is (C25213, NCIt, "Baseline"). The undefined (121079, DCM, "Baseline") that is used in CID 7003 Diagnostic Imaging Report Purposes of Reference is not used in this context.
2. (C3539075, UMLS, "Pretreatment") is (C103341, NCIt, "Pretreatment").
3. (C1708760, UMLS, "Nadir") is (C43517, NCIt, "Nadir"), and is a synonymn for "lowest", though "nadir" is more commnly used in the context of therapeutic response criteria.

CID 6147 Response Criteria

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.1004**

Table CID 6147. Response Criteria

Coding Scheme Designator	Code Value	Code Meaning
DCM	112029	WHO
DCM	126080	RECIST 1.0
DCM	126081	RECIST 1.1
NCIt	C114879	RANO

CID 6151 Background Echotexture

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.466**

Table CID 6151. Background Echotexture

Coding Scheme Designator	Code Value	Code Meaning
DCM	111351	Homogeneous fat echotexture
DCM	111352	Homogeneous fibroglandular echotexture
DCM	111353	Heterogeneous echotexture

CID 6152 Orientation

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.467**

Table CID 6152. Orientation

Coding Scheme Designator	Code Value	Code Meaning
DCM	111355	Parallel
DCM	111356	Not parallel

CID 6153 Lesion Boundary

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.468**

Table CID 6153. Lesion Boundary

Coding Scheme Designator	Code Value	Code Meaning
DCM	111358	Abrupt interface
DCM	111359	Echogenic halo

CID 6154 Echo Pattern

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.469**

Table CID 6154. Echo Pattern

Coding Scheme Designator	Code Value	Code Meaning
DCM	111361	Anechoic
DCM	111362	Hyperechoic
DCM	111363	Complex
DCM	111364	Hypoechoic
DCM	111365	Isoechoic

CID 6155 Posterior Acoustic Features

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20060622**
UID: **1.2.840.10008.6.1.470**

Table CID 6155. Posterior Acoustic Features

Coding Scheme Designator	Code Value	Code Meaning
DCM	111367	No posterior acoustic features
DCM	111368	Posterior enhancement
DCM	111369	Posterior shadowing
DCM	111370	Combined posterior enhancement and shadowing

CID 6157 Vascularity

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.471**

Table CID 6157. Vascularity

Coding Scheme Designator	Code Value	Code Meaning
DCM	111373	Vascularity not present
DCM	111374	Vascularity not assessed
DCM	111375	Vascularity present in lesion
DCM	111376	Vascularity present immediately adjacent to lesion
DCM	111377	Diffusely increased vascularity in surrounding tissue

CID 6158 Correlation to Other Findings

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.472**

Table CID 6158. Correlation to Other Findings

Coding Scheme Designator	Code Value	Code Meaning
DCM	111381	Correlates to physical exam findings
DCM	111382	Correlates to mammography findings
DCM	111383	Correlates to MRI findings
DCM	111384	Correlates to ultrasound findings
DCM	111385	Correlates to other imaging findings
DCM	111386	No correlation to other imaging findings
DCM	111387	No correlation to clinical findings

CID 6159 Malignancy Type

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.473**

Table CID 6159. Malignancy Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111389	Invasive breast carcinoma		
SCT	86616005	Intraductal carcinoma, non-infiltrating	M-85002	C0007124
DCM	111390	Other malignancy type		

CID 6160 Breast Primary Tumor Assessment From AJCC

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.474**

Table CID 6160. Breast Primary Tumor Assessment From AJCC

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373173008	TX: Primary tumor cannot be assessed (breast)	R-003B8	C1276754
SCT	373174002	T0: No evidence of primary tumor (breast)	R-003B9	C1276755
SCT	373175001	Tis: Carcinoma in situ (breast)	R-003BB	C1276756
SCT	373176000	Tis: Ductal carcinoma in situ (breast)	R-003BC	C1276757
SCT	373177009	Tis: Lobular carcinoma in situ (breast)	R-003BD	C1276758

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373178004	Tis: Paget's disease of the nipple with no tumor	R-003BE	C1269975
SCT	373172003	T1: Tumor 2 cm or less in greatest dimension (breast)	R-003BA	C1272784
SCT	373179007	T1mic: Microinvasion 0.1 cm or less in greatest dimension...	R-003BF	C1269976
SCT	373180005	T1a: Tumor more than 0.1 cm but not more than 0.5 cm...	R-003C0	C1269977
SCT	373204007	T1b: Tumor more than 0.5 cm but not more than 1 cm...	R-003C1	C1269981
SCT	373183007	T1c: Tumor more than 1 cm but not more than 2 cm...	R-003C2	C1272785
SCT	373182002	T2: Tumor more than 2 cm but not more than 5 cm...	R-003C3	C1269978
SCT	373184001	T3: Tumor more than 5 cm in greatest dimension (breast)	R-003C4	C1269979
SCT	373185000	T4: Tumor of any size with direct extension to chest wall...	R-003C5	C1276759
SCT	373186004	T4a: Tumor of any size with extension to chest wall, not incl...	R-003C6	C1276760
SCT	373187008	T4b: Tumor of any size with edema (including peau d'orange) ...	R-003C7	C1276761
SCT	373189006	T4c: Tumor of any size with direct extension to chest wall...	R-003C8	C1268960
SCT	373190002	T4: Inflammatory carcinoma (breast)	R-003C9	C1276762

CID 6161 Clinical Regional Lymph Node Assessment for Breast

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.475**

Table CID 6161. Clinical Regional Lymph Node Assessment for Breast

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373150000	NX: Regional lymph nodes cannot be assessed...	R-003CA	C1276765
SCT	373151001	N0: No regional lymph node metastasis histologically...	R-003CB	C1272783
SCT	373156006	N1: Metastasis in 1 to 3 axillary lymph nodes...	R-003D0	C1276766
SCT	373162001	N2: Metastasis in 4 to 9 axillary lymph nodes...	R-003D6	C1276749
SCT	373163006	N2a: Metastasis in 4 to 9 axillary lymph nodes (...2.0 mm)...	R-003D7	C1276750
SCT	373164000	N2b: Metastasis in clinically apparent internal... nodes...	R-003D8	C1276751

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	369991007	N3: Metastasis to ipsilateral internal mammary lymph node(s)	G-F749	C1276711
SCT	373165004	N3a: Metastasis in 10 or more axillary lymph nodes...	R-003D9	C1276752
SCT	373167007	N3b: Metastasis in clinically apparent ipsilateral internal...	R-003DA	C1274009
SCT	373166003	N3c: Metastasis in ipsilateral supraclavicular lymph nodes...	R-003DB	C1276753

CID 6162 Assessment of Metastasis for Breast

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.476**

Table CID 6162. Assessment of Metastasis for Breast

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	373170006	MX: Distant metastasis cannot be assessed (breast)	R-003DC	C1268958
SCT	373169005	M0: No distant metastasis (breast)	R-003DD	C1268957
SCT	373171005	M1: Distant metastasis (breast)	R-003DE	C1268959

CID 6163 Menstrual Cycle Phase

Note

From BI-RADS®

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.477**

Table CID 6163. Menstrual Cycle Phase

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111392	1st week		
DCM	111393	2nd week		
DCM	111394	3rd week		
SCT	289894009	Menstruation present	F-840B3	C0567306

CID 6164 Time Intervals

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.478**

Table CID 6164. Time Intervals

Coding Scheme Designator	Code Value	Code Meaning
DCM	111396	< 3 months ago
DCM	111397	4 months to 1 year ago
DCM	111398	> 1 year ago
DCM	111399	Not sure

CID 6165 Breast Linear Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050822**
UID: **1.2.840.10008.6.1.479**

Table CID 6165. Breast Linear Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 7470 “Linear Measurements”		
DCM	121242	Distance from nipple
DCM	121243	Distance from skin
DCM	121244	Distance from chest wall

CID 6166 CAD Geometry Secondary Graphical Representation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20060822**
UID: **1.2.840.10008.6.1.480**

Table CID 6166. CAD Geometry Secondary Graphical Representation

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	113661	Outline of lobulations		
DCM	113662	Inner limits of fuzzy margin		
DCM	113663	Outer limits of fuzzy margin		
DCM	113664	Outline of spiculations		
DCM	113665	Linear spiculation		
DCM	113666	Pixelated spiculations		
SCT	103339001	Long axis	G-A185	C0522487
SCT	103340004	Short axis	G-A186	C0522488
DCM	113669	Orthogonal location arc		
DCM	113670	Orthogonal location arc inner margin		
DCM	113671	Orthogonal location arc outer margin		

CID 6200 Colon Overall Assessment

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090402**
UID: **1.2.840.10008.6.1.787**

Table CID 6200. Colon Overall Assessment

Coding Scheme Designator	Code Value	Code Meaning
DCM	112240	C0 - Inadequate Study/Awaiting Prior Comparisons
DCM	112241	C1 - Normal Colon or Benign Lesion
DCM	112242	C2 - Intermediate Polyp or Indeterminate Finding
DCM	112243	C3 - Polyp, Possibly Advanced Adenoma
DCM	112244	C4 - Colonic Mass, Likely Malignant

CID 6201 Colon Finding or Feature

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090402**
UID: **1.2.840.10008.6.1.788**

Table CID 6201. Colon Finding or Feature

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	111101	Image quality		
DCM	111099	Selected region		
SCT	68496003	Polyp of colon	D5-41170	C0009376
SCT	126838000	Tumor of colon	D5-F131F	C0009375
SCT	248523006	Rectal mass	F-54005	C0240873
SCT	31113003	Diverticulum	M-32700	C0012817
SCT	6533001	Colonic haustra	T-59345	C0227361
SCT	39477002	Feces	T-59666	C0015733
SCT	46720004	Lipoma	M-88500	C0023798
SCT	442170005	Intraluminal fluid	T-50153	C2711278
SCT	385420005	Contrast media	F-61D54	C0009924
SCT	23153004	Ileocecal valve	T-58650	C0020880
SCT	441901008	Inverted diverticulum	M-32704	C2711356
SCT	43526002	Operative Site	M-18000	C0332850
DCM	111102	Non-lesion		
DCM	112238	Anatomic non-colon		

CID 6202 Colon Finding or Feature Modifier

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090402**
UID: **1.2.840.10008.6.1.789**

Table CID 6202. Colon Finding or Feature Modifier

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6203 “Colon Non-lesion Object Type”		
Include CID 6204 “Anatomic Non-colon Findings”		

CID 6203 Colon Non-lesion Object Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.790**

Table CID 6203. Colon Non-lesion Object Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	86122002	Bullet	A-32110	C0336699
SCT	56353002	Staple	A-13600	C0524724
SCT	27065002	Suture	A-13500	C0038969
SCT	12402003	Scar tissue	M-78060	C2004491
SCT	19923001	Catheter	A-26800	C0085590
DCM	112173	Chest tube		
SCT	257409000	Vena cava filter	A-14611	C0080306
SCT	53350007	Prosthesis	A-04000	C0175649
SCT	126065006	Jejunostomy tube	A-26434	C0879216
DCM	112175	Kidney stent		
SCT	286558002	Ureteral stent	A-11C08	C0183518
DCM	112176	Pancreatic stent		
SCT	80919006	Jewelry	A-61000	C0336902
DCM	112178	Coin		
SCT	77444004	Pin	A-12024	C0175718
SCT	79068005	Needle	A-30360	C0027551
DCM	112171	Fiducial mark		
SCT	341036005	Colostomy set	A-120DD	C0180028
SCT	339648008	Colostomy bag	A-10DBC	C0180026
SCT	342706005	Ileostomy set	A-1009E	C0181271
SCT	417136005	Ileostomy bag	A-10029	C1563151
SCT	344575009	Urostomy set	A-10703	C0467978
SCT	344088002	Urostomy bag	A-105E3	C0467658
SCT	67966000	Rectal tube	A-26440	C0175752
SCT	34759008	Urethral catheter	A-26864	C0179800

Note

The use of (111176, DCM, "Unspecified") was previously included in this context group but was removed since it does not make sense to have Colon CAD composite feature modifiers (TID 4125 “Colon CAD Composite Feature”) and single image finding modifiers (TID 4127 “Colon CAD Single Image Finding”) of an unknown type.

CID 6204 Anatomic Non-colon Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090402**
UID: **1.2.840.10008.6.1.791**

Table CID 6204. Anatomic Non-colon Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	10200004	Liver	T-62000	C0023884
SCT	78961009	Spleen	T-C3000	C0037993
SCT	64033007	Kidney	T-71000	C0022646
SCT	23451007	Adrenal gland	T-B3000	C0001625
SCT	15825003	Aorta	T-42000	C0003483
SCT	64131007	Inferior vena cava	T-48710	C0042458
SCT	39607008	Lung	T-28000	C0024109
SCT	272673000	Bone	T-D016E	C0262950
SCT	40689003	Testis	T-94000	C0039597
SCT	35039007	Uterus	T-83000	C0042149
SCT	15497006	Ovary	T-87000	C0029939
SCT	71252005	Cervix	T-83200	C0007874
SCT	41216001	Prostate	T-92000	C0033572
SCT	64739004	Seminal Vesicle	T-93000	C0036628
SCT	34402009	Rectum	T-59600	C0034896
SCT	89837001	Bladder	T-74000	C0005682
SCT	71616004	Muscle	T-13001	C0026845
SCT	59820001	Blood Vessel	T-40000	C0005847
SCT	66754008	Appendix	T-59200	C0003617
SCT	441850003	Appendiceal stump	T-D0874	C2711602

CID 6205 Clockface Location for Colon

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090402**
UID: **1.2.840.10008.6.1.792**

Table CID 6205. Clockface Location for Colon

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129772004	1 o'clock position	F-01781	C1268696
SCT	129773009	2 o'clock position	F-01782	C1268697
SCT	129774003	3 o'clock position	F-01783	C1268698
SCT	129775002	4 o'clock position	F-01784	C1268699
SCT	129776001	5 o'clock position	F-01785	C1268700
SCT	129777005	6 o'clock position	F-01786	C1268701
SCT	129778000	7 o'clock position	F-01787	C1268702
SCT	129779008	8 o'clock position	F-01788	C1268703
SCT	129780006	9 o'clock position	F-01789	C1268704
SCT	129781005	10 o'clock position	F-0178A	C1268705
SCT	129782003	11 o'clock position	F-0178B	C1268706

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129783008	12 o'clock position	F-0178C	C1268707

CID 6206 Recumbent Patient Orientation for Colon

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090402**
UID: **1.2.840.10008.6.1.793**

Table CID 6206. Recumbent Patient Orientation for Colon

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	1240000	Prone	F-10310	C0033422
SCT	40199007	Supine	F-10340	C0038846
SCT	102535000	right lateral decubitus	F-10317	C0559228
SCT	102536004	left lateral decubitus	F-10319	C0559227

CID 6207 Colon Quantitative Temporal Difference Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090717**
UID: **1.2.840.10008.6.1.794**

Table CID 6207. Colon Quantitative Temporal Difference Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	442714003	Difference in size	F-05173	C2711955
SCT	442726008	Difference in location	F-05179	C2711109
SCT	442707000	Difference in attenuation	F-0516E	C2711926

CID 6208 Colon Types of Quality Control Standard

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090402**
UID: **1.2.840.10008.6.1.795**

Table CID 6208. Colon Types of Quality Control Standard

Coding Scheme Designator	Code Value	Code Meaning
DCM	112036	ACR Position Statement
DCM	111240	Institutionally defined quality control standard
DCM	112248	ACR Guideline, Performance of Adult CT Colonography
DCM	112249	ACR Standard, CT medical physics performance monitoring

CID 6209 Colon Morphology Descriptor

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20090402**
UID: **1.2.840.10008.6.1.796**

Table CID 6209. Colon Morphology Descriptor

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	5712003	Sessile	G-A530	C0205348
SCT	25126001	Pedunculated	G-A477	C0205320
SCT	6041008	Flat	G-A485	C0205324
SCT	255593009	Circumferential	R-404F0	C0205113
SCT	56208002	Ulcer	M-38000	C0041582

CID 6210 Location in Intestinal Tract

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090402**
UID: **1.2.840.10008.6.1.797**

Table CID 6210. Location in Intestinal Tract

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	34402009	Rectum	T-59600	C0034896
SCT	60184004	Sigmoid colon	T-59470	C0227391
SCT	32622004	Descending colon	T-59460	C0227389
SCT	485005	Transverse colon	T-59440	C0227386
SCT	9040008	Ascending colon	T-59420	C0227375
SCT	32713005	Cecum	T-59100	C0007531
SCT	72592005	Splenic flexure of colon	T-59442	C0227387
SCT	48338005	Hepatic flexure of colon	T-59438	C0227385

CID 6211 Colon CAD Material Description

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090402**
UID: **1.2.840.10008.6.1.798**

Table CID 6211. Colon CAD Material Description

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112144	Soft tissue		
SCT	256674009	Fat	T-D008A	C0015677
SCT	15158005	Air	A-80230	C0001861
SCT	45001002	Bone matrix	T-11034	C0005962

CID 6212 Calculated Value for Colon Findings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20090402**
UID: **1.2.840.10008.6.1.799**

Table CID 6212. Calculated Value for Colon Findings

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	395511002	Polyp stalk length	R-0045B	C1273121
SCT	373197004	Polyp size, largest dimension	R-00286	C1272618
DCM	112232	Polyp stalk width		
DCM	112233	Distance from anus		

CID 6300 Prostate Sector Anatomy

Note

In future extensions, Prostate Sector Anatomy terms that are not derived from PI-RADS v2 should be added to this context group.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20161106**
UID: **1.2.840.10008.6.1.1138**

Table CID 6300. Prostate Sector Anatomy

Coding Scheme Designator	Code Value	Code Meaning
Include CID 6301 “Prostate Sector Anatomy from PI-RADS v2”		
Include CID 6302 “Prostate Sector Anatomy from European Concensus 16 Sector (Minimal) Model”		
Include CID 6303 “Prostate Sector Anatomy from European Concensus 27 Sector (Optimal) Model”		

CID 6301 Prostate Sector Anatomy from PI-RADS v2

Note

From [PI-RADS v2].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20161106**
UID: **1.2.840.10008.6.1.1139**

Table CID 6301. Prostate Sector Anatomy from PI-RADS v2

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	PI-RADS v2 Abbreviation	NCI Thesaurus
SCT	716901006	Central zone of left half prostate	R-FFFFC	C4273550	302475	Base L CZ	C128587
SCT	716900007	Central zone of right half prostate	R-FFFD0	C4274157	302473	Base R CZ	C128593
SCT	716937001	Left anterior apical peripheral zone of prostate	R0-00025	C4274170	328760	Apex L PZa	C128575
SCT	716931000	Left anterior apical transition zone of prostate	R-FFFE5	C4274174	328795	Apex L TZa	C128578

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	PI-RADS v2 Abbreviation	NCI Thesaurus
SCT	716905002	Left anterior basal peripheral zone of prostate	R0-00001	C4273857	328753	Base L PZa	C128588
SCT	716897000	Left anterior basal transition zone of prostate	R-FFFD6	C4274207	328785	Base L TZa	C128589
SCT	716920008	Left anterior middle peripheral zone of prostate	R-FFFB0	C4274185	328768	Mid L PZa	C128600
SCT	716914007	Left anterior middle transition zone of prostate	R0-00013	C4274190	328784	Mid L TZa	C128603
SCT	716927006	Left apical anterior fibromuscular stroma of prostate	R-FFFDF	C4274178	328772	Apex L AS	C128574
SCT	716893001	Left basal anterior fibromuscular stroma of prostate	R-FFFDC	C4274482	328758	Base L AS	C128586
SCT	716910003	Left middle anterior fibromuscular stroma of prostate	R0-00027	C4274479	328781	Mid L AS	C128599
SCT	716933002	Left posterior apical transition zone of prostate	R0-00014	C4274173	328775	Apex L TZp	C128579
SCT	716899002	Left posterior basal transition zone of prostate	R-FFFB7	C4274204	328789	Base L TZp	C128590
SCT	716916009	Left posterior middle transition zone of prostate	R-FFFAB	C4274189	328786	Mid L TZp	C128604
SCT	716939003	Left posterolateral apical peripheral zone of prostate	R-FFFDD	C4274168	328752	Apex L PZpl	C128576
SCT	716907005	Left posterolateral basal peripheral zone of prostate	R-FFFC2	C4274197	328759	Base L PZpl	C128591
SCT	716922000	Left posterolateral middle peripheral zone of prostate	R-FFFE9	C4274180	328791	Mid L PZpl	C128601
SCT	716941002	Left posteromedial apical peripheral zone of prostate	R0-0000B	C4274166	328792	Apex L PZpm	C128577
SCT	716924004	Left posteromedial middle peripheral zone of prostate	R-FFFB5	C4274183	328777	Mid L PZpm	C128602
SCT	42320003	Left seminal vesicle	T-93020	C0227980	19388	L SV	C128598
SCT	717027004	Male external urethral sphincter	R-FFFD9	C0815353	19733	US	C128612
SCT	716936005	Right anterior apical peripheral zone of prostate	R0-00003	C4274125	328779	Apex R PZa	C128581
SCT	716930004	Right anterior apical transition zone of prostate	R0-00006	C4274131	328761	Apex R TZa	C128584
SCT	716904003	Right anterior basal peripheral zone of prostate	R-FFFE2	C4274200	328798	Base R PZa	C128594
SCT	716896009	Right anterior basal transition zone of prostate	R0-00000	C4273547	328793	Base R TZa	C128596
SCT	716919002	Right anterior middle peripheral zone of prostate	R-FFFCD	C4274141	328796	Mid R PZa	C128606

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	PI-RADS v2 Abbreviation	NCI Thesaurus
SCT	716913001	Right anterior middle transition zone of prostate	R-FFFF4	C4274147	328800	Mid R TZa	C128609
SCT	716926002	Right apical anterior fibromuscular stroma of prostate	R-FFFFD	C4273870	328801	Apex R AS	C128580
SCT	716892006	Right basal anterior fibromuscular stroma of prostate	R-FFFF2	C4273849	328778	Base R AS	C128592
SCT	716909008	Right middle anterior fibromuscular stroma of prostate	R0-00004	C4273544	328783	Mid R AS	C128605
SCT	716932007	Right posterior apical transition zone of prostate	R-FFFF3	C4274099	328763	Apex R TZp	C128585
SCT	716898005	Right posterior basal transition zone of prostate	R-FFFB1	C4274205	328799	Base R TZp	C128597
SCT	716915008	Right posterior middle transition zone of prostate	R-FFFC9	C4273542	328787	Mid R TZp	C128610
SCT	716938006	Right posterolateral apical peripheral zone of prostate	R-FFFC0	C4273861	328782	Apex R PZpl	C128582
SCT	716906001	Right posterolateral basal peripheral zone of prostate	R0-0001E	C4274198	328797	Base R PZpl	C128595
SCT	716921007	Right posterolateral middle peripheral zone of prostate	R0-0000C	C4274184	328771	Mid R PZpl	C128607
SCT	716940001	Right posteromedial apical peripheral zone of prostate	R-FFFEA	C4274167	328764	Apex R PZpm	C128583
SCT	716923005	Right posteromedial middle peripheral zone of prostate	R-FFFD4	C4274181	328766	Mid R PZpm	C128608
SCT	74308000	Right seminal vesicle	T-93010	C0227979	19387	R SV	C128611

CID 6302 Prostate Sector Anatomy from European Concensus 16 Sector (Minimal) Model

Note

From [Prostate Eu Concensus].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20161106**
UID: **1.2.840.10008.6.1.1140**

Table CID 6302. Prostate Sector Anatomy from European Concensus 16 Sector (Minimal) Model

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	16 Sector Code
SCT	716901006	Central zone of left half prostate	R-FFFFC	C4273550	302475	6p
SCT	716900007	Central zone of right half prostate	R-FFFD0	C4274157	302473	1p

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	16 Sector Code
SCT	716935009	Left apical peripheral zone of prostate	R-FFFD3	C4274171	328790	10p
SCT	716929009	Left apical transition zone of prostate	R-FFFA9	C4274176	328769	6a
SCT	716895008	Left basal part transition zone of prostate	R0-00020	C4274160	328755	4a
SCT	716903009	Left basal peripheral zone of prostate	R-FFFC4	C4274120	328765	7p
SCT	716918005	Left lateral middle peripheral zone of prostate	R-FFFE6	C4274142	328767	9p
SCT	716912006	Left middle transition zone of prostate	R-FFFD5	C4274192	328762	5a
SCT	716924004	Left posteromedial middle peripheral zone of prostate	R-FFFB5	C4274183	328777	8p
SCT	42320003	Left seminal vesicle	T-93020	C0227980	19388	L SV
SCT	717027004	Male external urethral sphincter	R-FFFD9	C0815353	19733	US
SCT	716934008	Right apical peripheral zone of prostate	R-FFFB3	C4274128	328794	5p
SCT	716928001	Right apical transition zone of prostate	R-FFFC1	C4273855	328773	3a
SCT	716902004	Right basal peripheral zone of prostate	R0-00018	C4274155	328802	2p
SCT	716894007	Right basal transition zone of prostate	R-FFFBE	C4274164	328780	1a
SCT	716917000	Right lateral middle peripheral zone of prostate	R0-0000F	C4274143	328803	4p
SCT	716911004	Right middle transition zone of prostate	R-FFFB6	C4273545	328757	2a
SCT	716923005	Right posteromedial middle peripheral zone of prostate	R-FFFD4	C4274181	328766	3p
SCT	74308000	Right seminal vesicle	T-93010	C0227979	19387	R SV

CID 6303 Prostate Sector Anatomy from European Concensus 27 Sector (Optimal) Model

Note

From [Prostate Eu Concensus].

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20161106**
UID: **1.2.840.10008.6.1.1141**

Table CID 6303. Prostate Sector Anatomy from European Concensus 27 Sector (Optimal) Model

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	27 Sector Code
SCT	716925003	Apical anterior fibromuscular stroma of prostate	R0-0001B	C4274179	302546	15as
SCT	716891004	Basal anterior fibromuscular stroma of prostate	R0-00017	C4273850	302539	13as
SCT	716901006	Central zone of left half prostate	R-FFFFC	C4273550	302475	7p
SCT	716900007	Central zone of right half prostate	R-FFFD0	C4274157	302473	1p
SCT	716937001	Left anterior apical peripheral zone of prostate	R0-00025	C4274170	328760	12a
SCT	716905002	Left anterior basal peripheral zone of prostate	R0-00001	C4273857	328753	8a
SCT	716920008	Left anterior middle peripheral zone of prostate	R-FFFB0	C4274185	328768	10a
SCT	716929009	Left apical transition zone of prostate	R-FFFA9	C4274176	328769	11a
SCT	716895008	Left basal part transition zone of prostate	R0-00020	C4274160	328755	7a
SCT	716912006	Left middle transition zone of prostate	R-FFFD5	C4274192	328762	9a
SCT	716939003	Left posterolateral apical peripheral zone of prostate	R-FFFDD	C4274168	328752	12p
SCT	716907005	Left posterolateral basal peripheral zone of prostate	R-FFFC2	C4274197	328759	8p
SCT	716922000	Left posterolateral middle peripheral zone of prostate	R-FFFE9	C4274180	328791	10p
SCT	716941002	Left posteromedial apical peripheral zone of prostate	R0-0000B	C4274166	328792	11p
SCT	716924004	Left posteromedial middle peripheral zone of prostate	R-FFFB5	C4274183	328777	9p
SCT	42320003	Left seminal vesicle	T-93020	C0227980	19388	L SV
SCT	717027004	Male external urethral sphincter	R-FFFD9	C0815353	19733	US
SCT	716908000	Middle anterior fibromuscular stroma of prostate	R-FFFE0	C4274194	302542	14as
SCT	716936005	Right anterior apical peripheral zone of prostate	R0-00003	C4274125	328779	6a
SCT	716904003	Right anterior basal peripheral zone of prostate	R-FFFE2	C4274200	328798	2a
SCT	716919002	Right anterior middle peripheral zone of prostate	R-FFFCD	C4274141	328796	4a
SCT	716928001	Right apical transition zone of prostate	R-FFFC1	C4273855	328773	5a
SCT	716894007	Right basal transition zone of prostate	R-FFFBE	C4274164	328780	1a
SCT	716911004	Right middle transition zone of prostate	R-FFFB6	C4273545	328757	3a

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	FMA ID	27 Sector Code
SCT	716938006	Right posterolateral apical peripheral zone of prostate	R-FFFC0	C4273861	328782	6p
SCT	716906001	Right posterolateral basal peripheral zone of prostate	R0-0001E	C4274198	328797	2p
SCT	716921007	Right posterolateral middle peripheral zone of prostate	R0-0000C	C4274184	328771	4p
SCT	716940001	Right posteromedial apical peripheral zone of prostate	R-FFFEA	C4274167	328764	5p
SCT	716923005	Right posteromedial middle peripheral zone of prostate	R-FFFD4	C4274181	328766	3p
SCT	74308000	Right seminal vesicle	T-93010	C0227979	19387	R SV

CID 6401 Non-lesion Object Type - Physical Objects

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1185**

Table CID 6401. Non-lesion Object Type - Physical Objects

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	102378009	BB shot (Lead Pellet)	A-32475	C0522706
SCT	86122002	Bullet	A-32110	C0336699
SCT	118378005	Cardiac Pacemaker	A-11101	C1289799
SCT	19923001	Catheter	A-26800	C0085590
SCT	77720000	Clip	A-12062	C0175722
SCT	228761004	Collimator	A-0110F	C0454169
SCT	129460009	Compression paddle	A-10042	C1268544
SCT	129467007	ID Plate	A-16016	C1268548
SCT	40388003	Implant	A-04010	C0021102
SCT	129463006	J Wire	A-1016B	C1268545
SCT	262301009	Opaque Marker	A-00D7B	C0445402
DCM	111175	Other Marker		
SCT	56353002	Staple	A-13600	C0524724
SCT	27065002	Suture	A-13500	C0038969

Note

This Context Group formerly included SNOMED code J-83250, which has been replaced with A-00D7B. See Annex J.

CID 6402 Non-lesion Object Type - Substances

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1186**

Table CID 6402. Non-lesion Object Type - Substances

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	7140000	Contrast agent	C-B0300	C0009924

CID 6403 Non-lesion Object Type - Tissues

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1187**

Table CID 6403. Non-lesion Object Type - Tissues

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	12402003	Scar tissue	M-78060	C2004491

CID 6404 Chest Non-lesion Object Type - Physical Objects

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1188**

Table CID 6404. Chest Non-lesion Object Type - Physical Objects

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	86122002	Bullet	A-32110	C0336699
SCT	14106009	Cardiac Pacemaker	A-11100	C0030163
SCT	360129009	Cardiac pacemaker lead	A-040CB	C1283151
SCT	19923001	Catheter	A-26800	C0085590
DCM	112174	Central line		
SCT	63562005	Cervical collar	A-12210	C0175751
DCM	112173	Chest tube		
DCM	112178	Coin		
SCT	26412008	Endotracheal tube	A-25350	C0336630
SCT	25062003	Feeding tube	A-26430	C2945625
DCM	112171	Fiducial mark		
SCT	25510005	Heart valve prosthesis	A-04110	C0018825
SCT	126065006	Jejunostomy tube	A-26434	C0879216
SCT	80919006	Jewelry	A-61000	C0336902
DCM	112175	Kidney stent		
SCT	79068005	Needle	A-30360	C0027551
DCM	112177	Nipple ring		
DCM	112176	Pancreatic stent		
SCT	77444004	Pin	A-12024	C0175718
DCM	112172	Portacath		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	53350007	Prosthesis	A-04000	C0175649
SCT	56353002	Staple	A-13600	C0524724
SCT	27065002	Suture	A-13500	C0038969
SCT	48387007	Tracheotomy	P1-26100	C0040590
SCT	286558002	Ureteric stent	A-11C08	C0183518
SCT	257409000	Vena cava filter	A-14611	C0080306

CID 6405 Chest Non-lesion Object Type - Tissues

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1189**

Table CID 6405. Chest Non-lesion Object Type - Tissues

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	12402003	Scar tissue	M-78060	C2004491

CID 7000 Diagnostic Imaging Report Document Titles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140102**
UID: **1.2.840.10008.6.1.481**

Table CID 7000. Diagnostic Imaging Report Document Titles

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	18745-0	Cardiac Catheterization Report	C0801759
LN	11540-2	CT Abdomen Report	C0551722
LN	11538-6	CT Chest Report	C0551723
LN	11539-4	CT Head Report	C0551724
LN	18747-6	CT Report	C0801761
LN	18748-4	Diagnostic Imaging Report	C0801762
LN	11522-0	Echocardiography Report	C0551715
LN	18760-9	Ultrasound Report	C0801774
LN	11541-0	MRI Head Report	C0551725
LN	18755-9	MRI Report	C0801769
LN	18756-7	MRI Spine Report	C0801770
LN	18757-5	Nuclear Medicine Report	C0801771
LN	17787-3	Nuclear Medicine Thyroid Scan Report	C0800894
LN	11525-3	Ultrasound Obstetric and Gyn Report	C0551717
LN	18758-3	PET Scan Report	C0801772
LN	11528-7	Radiology Report	C0551720
LN	18750-0	Cardiac Electrophysiology Report	C0801764

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11524-0	ECG Report	
LN	18752-6	Exercise Stress Test Report	C0801766
LN	18754-2	Holter Study Report	C0801768
LN	43468-8	X-Ray Report	C1714805
LN	38269-7	DEXA Skeletal System Study Report	C1526358
DCM	111400	Breast Imaging Report	
LN	24606-6	Mammography Screening Report	C0881841
LN	49512-7	Fluoroscopy Study Report	C1977263
LN	47048-4	Diagnostic Interventional Radiology Report	C1831148

CID 7001 Diagnostic Imaging Report Headings

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150324**
UID: **1.2.840.10008.6.1.482**

Table CID 7001. Diagnostic Imaging Report Headings

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID	Equivalent DCMR (DCM) Code
LN	11329-0	History	C0551569	121060
LN	55115-0	Request	C2708293	121062
LN	55111-9	Current Procedure Descriptions	C2708286	121064
LN	55114-3	Prior Procedure Descriptions	C2708291	121066
LN	18834-2	Previous Findings	C0801832	121068
LN	59776-5	Findings	C2926606	121070
LN	19005-8	Impressions	C0801998	121072
LN	18783-1	Recommendations	C0801796	121074
LN	55110-1	Conclusions	C2708285	121076
LN	55107-7	Addendum	C2708272	121078
LN	18785-6	Indications for Procedure	C0801797	121109
LN	55108-5	Patient Presentation	C2708282	121110
LN	55109-3	Complications	C2708284	121113
LN	55112-7	Summary	C2708288	121111
LN	55113-5	Key Images	C2708289	121180
LN	73569-6	Radiation Exposure and Protection Information	C3654408	113923
LN	55752-0	Clinical Information	C2708732	
LN	29549-3	Medications Administered	C0945765	
LN	73568-8	Communication of Critical Results	C3654409	

Note

- In previous editions of the Standard, this Context Group included codes of DCMR, using Coding Scheme Designator DCM. The preferable encoding of these concepts is using the LOINC codes, however, the support of equivalent DCMR codes is recommended for backward compatibility.
- In a prior version of this Context Group, the code (18782-3, LN, "Study Observation") was specified for report heading "Findings". This has now been replaced by (59776-5, LN, "Procedure Findings").

CID 7002 Diagnostic Imaging Report Elements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.483**

Table CID 7002. Diagnostic Imaging Report Elements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	11329-0	History		C0551569
LN	55115-0	Request		C2708293
DCM	121065	Procedure Description		
DCM	121069	Previous Finding		
DCM	121071	Finding		
DCM	121073	Impression		
DCM	121075	Recommendation		
DCM	121077	Conclusion		
SCT	116224001	Complication of Procedure	DD-60002	C0742724
DCM	121110	Patient Presentation		
DCM	121111	Summary		

CID 7003 Diagnostic Imaging Report Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100604**
UID: **1.2.840.10008.6.1.484**

Table CID 7003. Diagnostic Imaging Report Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	121079	Baseline
DCM	121080	Best illustration of finding
DCM	121112	Source of Measurement
DCM	121200	Illustration of ROI

CID 7004 Waveform Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090409**
UID: **1.2.840.10008.6.1.485**

Table CID 7004. Waveform Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	121301	Simultaneous Doppler
DCM	121302	Simultaneous Hemodynamic
DCM	121303	Simultaneous ECG
DCM	121304	Simultaneous Voice Narrative
DCM	121305	Simultaneous Respiratory Waveform
DCM	121306	Simultaneous Arterial Pulse Waveform
DCM	121307	Simultaneous Phonocardiographic Waveform

CID 7005 Contributing Equipment Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130617**
UID: **1.2.840.10008.6.1.486**

Table CID 7005. Contributing Equipment Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	109101	Acquisition Equipment
DCM	109102	Processing Equipment
DCM	109103	Modifying Equipment
DCM	109104	De-identifying Equipment
DCM	109105	Frame Extracting Equipment
DCM	109106	Enhanced Multi-frame Conversion Equipment
DCM	MEDIM	Portable Media Importer Equipment
DCM	FILMD	Film Digitizer
DCM	DOCD	Document Digitizer Equipment
DCM	VIDD	Video Tape Digitizer Equipment

CID 7006 SR Document Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20061023**
UID: **1.2.840.10008.6.1.487**

Table CID 7006. SR Document Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	121331	Equivalent CDA Document
DCM	121332	Complete Rendering for Presentation
DCM	121333	Partial Rendering for Presentation
DCM	121334	Extended Rendering for Presentation
DCM	121335	Source Document

CID 7007 Signature Purpose

Context Group ID 7007 comprises the signature purposes codes of ASTM E 2084-00. The Coding Scheme Designator (0008,0102) shall be "ASTM-sigpurpose". The ASTM document defines the signature purpose codes as OIDs. For the purposes of this Coding Scheme only the leaf digit is used as the Code Value (0008,0100).

Note

ASTM E 1762 provides the full definitions for the signature purpose OIDs defined by E 2084. The recommended Code Meanings (0008,0104) are the titles of the definitions for the leaves of the OIDs. For example, the OID 1.2.840.10065.1.12.1 corresponds to the leaf "id-purpose-author", whose meaning could be encoded as "Author Signature" and whose code value is 1.

CID 7008 Media Import

This Context Group specifies items that may be conveyed in the Billing and Materials Management Module (see PS3.3).

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20061024**
UID: **1.2.840.10008.6.1.489**

Table CID 7008. Media Import

Coding Scheme Designator	Code Value	Code Meaning
DCM	110020	Sheet Film Digitized
DCM	110021	Cine Film Digitized
DCM	110022	Video Tape Digitized
DCM	110023	Paper Digitized
DCM	110024	CD Imported
DCM	110025	DVD Imported
DCM	110026	MOD Imported
DCM	110027	Studies Imported
DCM	110028	Instances Imported

CID 7009 Purpose of Reference to Predecessor Report

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090826**
UID: **1.2.840.10008.6.1.818**

Table CID 7009. Purpose of Reference to Predecessor Report

Coding Scheme Designator	Code Value	Code Meaning
DCM	121360	Replaced report
DCM	121361	Addended report
DCM	121362	Preliminary report
DCM	121363	Partial report
DCM	122073	Current procedure evidence

Note

The concepts of replaced and addended correspond to REPLACEMENT and ADDENDUM in HL7 V2.6 Chapter 9, with the exception that an EDITED value is not supported due to incompatibility with HL7 CDA.

CID 7010 Key Object Selection Document Title

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.490**

Table CID 7010. Key Object Selection Document Title

Coding Scheme Designator	Code Value	Code Meaning
DCM	113000	Of Interest
DCM	113001	Rejected for Quality Reasons
DCM	113002	For Referring Provider
DCM	113003	For Surgery
DCM	113004	For Teaching
DCM	113005	For Conference
DCM	113006	For Therapy
DCM	113007	For Patient
DCM	113008	For Peer Review
DCM	113009	For Research
DCM	113010	Quality Issue
DCM	113013	Best In Set
DCM	113018	For Printing
DCM	113020	For Report Attachment
DCM	113021	For Litigation
DCM	113030	Manifest
DCM	113031	Signed Manifest
DCM	113032	Complete Study Content
DCM	113033	Signed Complete Study Content
DCM	113034	Complete Acquisition Content
DCM	113035	Signed Complete Acquisition Content
DCM	113036	Group of Frames for Display
DCM	113037	Rejected for Patient Safety Reasons
DCM	113038	Incorrect Modality Worklist Entry
DCM	113039	Data Retention Policy Expired
DCM	113022	Collection of Presentation States
DCM	128181	Diagnostic Source Images
DCM	128182	Segmentation Result
DCM	128183	Registration Result
DCM	128195	For Diagnosis
DCM	128218	Diagnosis Input Used
DCM	128196	For Segmentation

Coding Scheme Designator	Code Value	Code Meaning
DCM	128219	Contouring Input Used
DCM	128199	For Plan Comparison
DCM	128220	Plan Comparison Input Used
DCM	128203	For Tumor Board
DCM	128221	Tumor Board Input Used
DCM	128208	For Tumor Registry
DCM	128222	Tumor Registry Input Used
DCM	128207	For Clinical Trial Submission
DCM	128223	Clinical Trial Submission Input Used
Include CID 7023 “RT Process Output”		
Include CID 7024 “RT Process Input”		
Include CID 7025 “RT Process Input Used”		
Include CID 7014 “Export Additional Information Document Titles”		

CID 7011 Rejected for Quality Reasons

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.491**

Table CID 7011. Rejected for Quality Reasons

Coding Scheme Designator	Code Value	Code Meaning
DCM	111207	Image artifact(s)
DCM	111208	Grid artifact(s)
DCM	111209	Positioning
DCM	111210	Motion blur
DCM	111211	Under exposed
DCM	111212	Over exposed
DCM	111213	No image
DCM	111214	Detector artifact(s)
DCM	111215	Artifact(s) other than grid or detector artifact
DCM	111216	Mechanical failure
DCM	111217	Electrical failure
DCM	111218	Software failure
DCM	111219	Inappropriate image processing
DCM	111220	Other failure
DCM	111221	Unknown failure
DCM	113026	Double exposure

CID 7012 Best in Set

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.492**

Table CID 7012. Best in Set

Coding Scheme Designator	Code Value	Code Meaning
DCM	113014	Study
DCM	113015	Series
DCM	113016	Performed Procedure Step
DCM	113017	Stage-View

CID 7013 Non-Image Source Instance Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1134**

Table CID 7013. Non-Image Source Instance Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	128224	Source measurement
DCM	128225	Source report
DCM	128226	Source raw data
Include CID 7019 “Segmentation Non-Image Source Purposes of Reference”		

Note

This context group previously contained a code for "source image", which has been removed.

CID 7014 Export Additional Information Document Titles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1178**

Table CID 7014. Export Additional Information Document Titles

Coding Scheme Designator	Code Value	Code Meaning
DCM	128710	For Teaching File Export
DCM	128711	For Clinical Trial Export
DCM	128713	For Research Collection Export
DCM	128714	For Publication Export

CID 7015 Export Delay Reasons

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1179**

Table CID 7015. Export Delay Reasons

Coding Scheme Designator	Code Value	Code Meaning
DCM	128715	Delay export until final report is available
DCM	128716	Delay export until clinical information is available

Coding Scheme Designator	Code Value	Code Meaning
DCM	128717	Delay export until confirmation of diagnosis is available
DCM	128718	Delay export until histopathology is available
DCM	128719	Delay export until other laboratory results are available
DCM	128720	Delay export until patient is discharged
DCM	128721	Delay export until patient dies
DCM	128722	Delay export until expert review is available

CID 7016 Level of Difficulty

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1180**

Table CID 7016. Level of Difficulty

Coding Scheme Designator	Code Value	Code Meaning
DCM	128725	Primary level
DCM	128726	Intermediate level
DCM	128727	Advanced level

CID 7017 Category of Teaching Material - Imaging

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1181**

Table CID 7017. Category of Teaching Material - Imaging

Coding Scheme Designator	Code Value	Code Meaning
DCM	128728	Musculoskeletal imaging subject matter
DCM	128729	Pulmonary imaging subject matter
DCM	128730	Cardiovascular imaging subject matter
DCM	128731	Gastrointestinal imaging subject matter
DCM	128732	Genitourinary imaging subject matter
DCM	128733	Neuroimaging subject matter
DCM	128734	Vascular and interventional imaging subject matter
DCM	128735	Nuclear medicine imaging subject matter
DCM	128736	Ultrasound imaging subject matter
DCM	128737	Pediatric imaging subject matter
DCM	128738	Breast imaging subject matter

Note

The contents of this context group correspond to the American Board of Radiology categories in use at the time the IHE TCE Profile was developed.

CID 7018 Miscellaneous Document Titles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1182**

Table CID 7018. Miscellaneous Document Titles

Coding Scheme Designator	Code Value	Code Meaning
DCM	128712	Additional Teaching File Information

CID 7019 Segmentation Non-Image Source Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1183**

Table CID 7019. Segmentation Non-Image Source Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	128227	Source real world value map		

CID 7020 Document Titles

Context Group ID 7020 comprises all document names (i.e., terms with Scale "DOC") within the HIPAA Attachments class of the LOINC coding scheme. The Coding Scheme Designator shall be LN.

Note

1. A subset of this Context Group directly applicable to imaging reports is in CID 7000 “Diagnostic Imaging Report Document Titles”.
2. The LOINC coding scheme can be found at http://www.regenstrief.org/loinc.

CID 7021 Measurement Report Document Titles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.997**

Table CID 7021. Measurement Report Document Titles

Coding Scheme Designator	Code Value	Code Meaning
DCM	126000	Imaging Measurement Report
DCM	126001	Oncology Measurement Report
DCM	126002	Dynamic Contrast MR Measurement Report
DCM	126003	PET Measurement Report

CID 7022 Radiotherapy Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180916**
UID: **1.2.840.10008.6.1.1115**

Table CID 7022. Radiotherapy Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	121310	RT treatment plan for the position being verified		
DCM	129210	Registration used in Planning		
DCM	129211	Registration created during Treatment		

CID 7023 RT Process Output

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160908**
UID: **1.2.840.10008.6.1.1135**

Table CID 7023. RT Process Output

Coding Scheme Designator	Code Value	Code Meaning
DCM	128184	Pre-Planning Result
DCM	128185	RT Prescription Result
DCM	128186	Dose Calculation Image Series
DCM	128187	Coordinate Alignment Image Series
DCM	128188	RT Treatment Simulation Result
DCM	128189	RT Planning Result
DCM	128190	Dosimetric Result
DCM	128191	Patient Setup Verification Result
DCM	128192	RT Treatment Session Result
DCM	128193	RT Treatment Course Summary
DCM	128194	RT Treatment QA Result

Note

The concepts in the CID are intended to be a declarative statement to represent the output of an operation, without implying that this operation was part of a particular workflow or that the output will be used in any future operation.

CID 7024 RT Process Input

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160908**
UID: **1.2.840.10008.6.1.1136**

Table CID 7024. RT Process Input

Coding Scheme Designator	Code Value	Code Meaning
DCM	128180	For RT Workflow
DCM	128197	For RT Prescription
DCM	128198	For RT Treatment Planning
DCM	128200	For RT Plan Summation
DCM	128201	For Physician Review
DCM	128202	For Physicist Review

Coding Scheme Designator	Code Value	Code Meaning
DCM	128204	For Plan Quality Assurance
DCM	128205	For Machine Quality Assurance
DCM	128206	For Patient Setup Verification

Note

The concepts in the CID are intended to be a declarative statement to represent the potential input of an operation, without implying that this operation is part of a particular workflow, that this input will be used at all in any subsequent operation, that only parts of the referenced instances will be used, or that instances other than those referenced will be used as input.

CID 7025 RT Process Input Used

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160908**
UID: **1.2.840.10008.6.1.1137**

Table CID 7025. RT Process Input Used

Coding Scheme Designator	Code Value	Code Meaning
DCM	128209	RT Workflow Input Used
DCM	128210	RT Prescription Input Used
DCM	128211	RT Treatment Planning Input Used
DCM	128212	RT Plan Summation Input Used
DCM	128213	Physician Review Input Used
DCM	128214	Physicist Review Input Used
DCM	128215	Plan Quality Assurance Input Used
DCM	128216	Machine Quality Assurance Input Used
DCM	128217	Patient Setup Verification Input Used

Note

The concepts in the CID are intended to be a declarative statement to represent input that has been used in an operation, without implying that this operation was part of a particular workflow or how this input was collected.

CID 7026 Radiotherapeutic Dose Measurement Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1177**

Table CID 7026. Radiotherapeutic Dose Measurement Devices

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	706247001	Medical x-ray film	R-FCCF2	C3873821
DCM	128701	3D Gel		
DCM	128702	Diode Array		
DCM	128703	Ion Chamber Array		
SCT	464983000	Thermoluminescent radiation dosimeter	R-FCE69	C3881975

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	128704	Diode		
DCM	128705	Liquid Ion Chamber		
SCT	701933006	MOSFET radiation therapy dosimetry system dosimeter	R-FCC16	C3872923
DCM	128706	OSLD		
DCM	128707	Ion Chamber		
SCT	468440006	Digital imager	R-FD5EB	C3877969
DCM	128708	Diamond Detector		

CID 7027 Segmented Radiotherapeutic Dose Measurement Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190125**
UID: **1.2.840.10008.6.1.1276**

Table CID 7027. Segmented Radiotherapeutic Dose Measurement Devices

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	128702	Diode Array		
DCM	128703	Ion Chamber Array		
SCT	464983000	Thermoluminescent radiation dosimeter	R-FCE69	C3881975
DCM	128704	Diode		
DCM	128705	Liquid Ion Chamber		
SCT	701933006	MOSFET radiation therapy dosimetry system dosimeter	R-FCC16	C3872923
DCM	128706	OSLD		
DCM	128707	Ion Chamber		
SCT	468440006	Digital imager	R-FD5EB	C3877969
DCM	128708	Diamond Detector		

CID 7030 Institutional Departments, Units and Services

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.817**

Table CID 7030. Institutional Departments, Units and Services

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	128170	Abdominal Radiology		
SCT	225728007	Accident and Emergency	R-300E3	C0562508
SCT	309913004	Allergy and Immunology	R-30246	C0587451
SCT	309901009	Anesthesiology	R-3023A	C0002907

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	309914005	Audiology	R-30247	C0587452
DCM	128171	Biomedical Engineering		
SCT	309968000	Breast Surgery	R-3027F	C0587504
SCT	426439001	Burns Intensive Care	R-3060E	C1959926
SCT	309907008	Cardiac Intensive Care	R-30240	C0587446
SCT	309971008	Cardiac Surgery	R-30282	C0587507
SCT	309915006	Cardiology	R-30248	C0587453
SCT	309969008	Cardiothoracic Surgery	R-30280	C0587505
DCM	128172	Cardiovascular Radiology		
SCT	309959002	Child and Adolescent Psychiatry	R-30276	C0587495
SCT	310076001	Clinical Biochemistry	R-421EB	C0587609
SCT	309902002	Clinical Oncology	R-3023B	C0587443
SCT	309983005	Colorectal Surgery	R-3028E	C0587519
SCT	310128004	Computerized Tomography Service	R-4221E	C0587659
SCT	310200001	Cytology	R-4225D	C0587725
SCT	309972001	Dental Surgery	R-30283	C0587508
SCT	309923008	Dermatology	R-30250	C0587461
SCT	441662001	Diagnostic Imaging	R-3061B	C2711258
SCT	309979005	Endocrine Surgery	R-3028A	C0587515
SCT	309925001	Endocrinology	R-30252	C0587463
SCT	310030000	Endoscopy	R-421D4	C0587565
SCT	309980008	Gastrointestinal Surgery	R-3028B	C0587516
SCT	309927009	General Medicine	R-30254	C0587465
SCT	309984004	General Surgery	R-3028F	C0587520
SCT	309933000	Geriatric Medicine	R-3025A	C0587471
SCT	309943002	Gynecology	R-30264	C0587481
SCT	309985003	Hand Surgery	R-30290	C0587521
SCT	309954007	Hematology	R-3026F	C0587491
SCT	310158005	Hepatobiliary Surgery	R-4223B	C0587687
SCT	441950002	Histopathology	R-3061D	C2711413
SCT	309934006	Infectious Disease	R-3025B	C0587472
DCM	128173	Information Technology		
SCT	309904001	Intensive Care	R-3023D	C0021708
SCT	708174004	Interventional Radiology Service	R-FF0C4	C3872675
SCT	310127009	Magnetic Resonance Imaging Service	R-4221D	C0587658
SCT	441994008	Medical Intensive Care	R-3061E	C2711734
SCT	309956009	Medical Microbiology	R-30270	C0587492
DCM	128174	Medical Physics		
DCM	128175	Musculoskeletal Radiology		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	405269005	Neonatal Intensive Care	R-305CE	C0021709
SCT	309936008	Nephrology	R-3025D	C0587474
SCT	309937004	Neurology	R-3025E	C0587475
UMLS	C2183225	Neuroradiology		C2183225
SCT	310159002	Neurosurgery	R-4223C	C0587688
SCT	309938009	Nuclear Medicine	R-3025F	C0587476
SCT	309944008	Obstetrics	R-30265	C0028775
SCT	309942007	Obstetrics and Gynecology	R-30263	C0587480
SCT	309935007	Ophthalmology	R-3025C	C0587473
SCT	310105000	Optometry	R-42207	C0587638
SCT	309974000	Oral Surgery	R-30285	C0587510
SCT	309989009	Orthopedic Surgery	R-30294	C0587525
SCT	309978002	Otorhinolaryngology	R-30289	C0587514
SCT	309949003	Pain Management	R-3026A	C0587486
SCT	309939001	Palliative Care	R-30260	C0587477
SCT	309950003	Pathology	R-3026B	C0587487
SCT	309910001	Pediatric Intensive Care	R-30243	C0021710
SCT	420223003	Pediatric Medicine	R-305EA	C1628316
SCT	309948006	Pediatric Oncology	R-30269	C0587485
DCM	128177	Pediatric Radiology		
SCT	309991001	Pediatric Surgery	R-30296	C0587527
SCT	310464005	Physiotherapy	R-302A2	C0587975
SCT	309992008	Plastic Surgery	R-30297	C0587528
SCT	441480003	Primary Care Department	S-8000A	C2711449
SCT	309958005	Psychiatry	R-30275	C0587494
SCT	310123008	Psychology	R-42219	C0587654
SCT	309918008	Pulmonology	R-3024B	C0587456
SCT	309964003	Radiology	R-3027B	C0587500
SCT	309903007	Radiotherapy	R-3023C	C0587444
SCT	309940004	Rehabilitation	R-30261	C0587478
SCT	309941000	Rheumatology	R-30262	C0587479
SCT	310101009	Speech and Language Therapy	R-42203	C0587634
SCT	309966001	Stroke	R-3027D	C0587502
SCT	309967005	Surgery	R-3027E	C0587503
SCT	418433008	Surgical Intensive Care	R-305EB	C1690590
DCM	128179	Thoracic Radiology		
SCT	309970009	Thoracic Surgery	R-30281	C0587506
SCT	309993003	Transplant Surgery	R-30298	C0587529
SCT	309994009	Trauma Surgery	R-30299	C0587530
SCT	441548002	Tropical Medicine	R-30616	C2711407
SCT	310169008	Ultrasonography	R-42246	C0587698

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	309995005	Urology	R-3029A	C0587531
SCT	309996006	Vascular Surgery	R-3029B	C0587532

Note

In SNOMED, there is often a choice of unit, department or service concepts; in DICOM, the department concept is preferred and used in this context group.

CID 7035 Actionable Finding Classification

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150324**
UID: **1.2.840.10008.6.1.1026**

Table CID 7035. Actionable Finding Classification

Coding Scheme Designator	Code Value	Code Meaning
RADLEX	RID49480	ACR Category 1 Actionable Finding
RADLEX	RID49481	ACR Category 2 Actionable Finding
RADLEX	RID49482	ACR Category 3 Actionable Finding

CID 7036 Image Quality Assessment

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150324**
UID: **1.2.840.10008.6.1.1027**

Table CID 7036. Image Quality Assessment

Coding Scheme Designator	Code Value	Code Meaning
RADLEX	RID12	Diagnostic quality
RADLEX	RID13	Limited quality
RADLEX	RID14	Non-diagnostic quality

CID 7039 Pediatric Size Categories

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170417**
UID: **1.2.840.10008.6.1.1173**

Table CID 7039. Pediatric Size Categories

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 7040 “Broselow-Luten Pediatric Size Categories”				

CID 7040 Broselow-Luten Pediatric Size Categories

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20100127**
UID: **1.2.840.10008.6.1.824**

Table CID 7040. Broselow-Luten Pediatric Size Categories

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	444488009	Broselow Luten Pink Zone (6-7 kg)	F-051E3	C2733122
SCT	444471002	Broselow Luten Red Zone (8-9 kg)	F-051DF	C2732530
SCT	444489001	Broselow Luten Purple Zone (10-11 kg)	F-051E4	C2733258
SCT	444505007	Broselow Luten Yellow Zone (12-14 kg)	F-051E8	C2732308
SCT	444504006	Broselow Luten White Zone (15-18 kg)	F-051E7	C2732835
SCT	444474005	Broselow Luten Blue Zone (19-23 kg)	F-051E0	C2733154
SCT	444496004	Broselow Luten Orange Zone (24-29 kg)	F-051E5	C2732302
SCT	444503000	Broselow Luten Green Zone (30-36 kg)	F-051E6	C2732991

CID 7041 Calcium Scoring Patient Size Categories

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170417**
UID: **1.2.840.10008.6.1.1174**

Table CID 7041. Calcium Scoring Patient Size Categories

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 7042 “CMDCTECC Calcium Scoring Patient Size Categories”				

CID 7042 CMDCTECC Calcium Scoring Patient Size Categories

Patient sizes for calibrating calcium scoring, from the Consortium for Multi-Detector CT Evaluation of Coronary Calcium.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20100127**
UID: **1.2.840.10008.6.1.825**

Table CID 7042. CMDCTECC Calcium Scoring Patient Size Categories

Coding Scheme Designator	Code Value	Code Meaning
DCM	113601	Small: < 32.0 cm lateral thickness
DCM	113602	Medium: 32.0-38.0 cm lateral thickness
DCM	113603	Large: > 38.0 cm lateral thickness

CID 7050 De-identification Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.925**

Table CID 7050. De-identification Method

Coding Scheme Designator	Code Value	Code Meaning
DCM	113100	Basic Application Confidentiality Profile
DCM	113101	Clean Pixel Data Option

Coding Scheme Designator	Code Value	Code Meaning
DCM	113102	Clean Recognizable Visual Features Option
DCM	113103	Clean Graphics Option
DCM	113104	Clean Structured Content Option
DCM	113105	Clean Descriptors Option
DCM	113106	Retain Longitudinal Temporal Information Full Dates Option
DCM	113107	Retain Longitudinal Temporal Information Modified Dates Option
DCM	113108	Retain Patient Characteristics Option
DCM	113109	Retain Device Identity Option
DCM	113110	Retain UIDs Option
DCM	113111	Retain Safe Private Option
DCM	113112	Retain Institution Identity Option

CID 7060 Encapsulated Document Source Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180403**
UID: **1.2.840.10008.6.1.1201**

Table CID 7060. Encapsulated Document Source Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	121324	Source image
Include CID 7013 “Non-Image Source Instance Purposes of Reference”		

CID 7061 Model Document Titles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180403**
UID: **1.2.840.10008.6.1.1202**

Table CID 7061. Model Document Titles

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	121324	Source image		
LN	85041-2	MR 3D CAM model		C4297407
LN	85040-4	CT 3D CAM model		C4297408
DCM	129018	US 3D CAM model		
DCM	129019	Mixed Modality 3D CAM model		
DCM	129020	Photogrammetric Imaging 3D CAM model		
DCM	129021	Laser Scanning 3D CAM model		

CID 7062 Purpose of Reference to Predecessor 3D Model

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180403**
UID: **1.2.840.10008.6.1.1203**

This Context Group comprises reasons that a prior 3D model may be referenced by a newer instance.

Table CID 7062. Purpose of Reference to Predecessor 3D Model

Coding Scheme Designator	Code Value	Code Meaning
DCM	129010	Edited Model
DCM	129011	Component Model

CID 7063 Model Scale Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-extensible**
Version: **20180403**
UID: **1.2.840.10008.6.1.1204**

This Context Group comprises all valid scale units that may be used in a 3D model.

Table CID 7063. Model Scale Units

Coding Scheme Designator	Code Value	Code Meaning
UCUM	m	m
UCUM	cm	cm
UCUM	mm	mm
UCUM	um	um

CID 7064 Model Usage

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180403**
UID: **1.2.840.10008.6.1.1205**

This Context Group comprises intended uses for objects manufactured from a 3D model. The intended use can help to distinguish similar-appearing models.

Table CID 7064. Model Usage

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	129012	Educational Intent		
SCT	261004008	Diagnostic Intent	R-408C3	C0348026
DCM	129013	Planning Intent		
DCM	129014	Tool Fabrication		
DCM	129015	Prosthetic Fabrication		
DCM	129016	Implant Fabrication		
DCM	113680	Quality Control Intent		
DCM	129017	Simulation Intent		

CID 7100 RCS Registration Method Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040115**
UID: **1.2.840.10008.6.1.494**

Table CID 7100. RCS Registration Method Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	125021	Frame of Reference Identity
DCM	125023	Acquisition Equipment Alignment
DCM	125025	Visual Alignment
DCM	125022	Fiducial Alignment
DCM	125024	Image Content-based Alignment

CID 7101 Brain Atlas Fiducials

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040115**
UID: **1.2.840.10008.6.1.495**

Table CID 7101. Brain Atlas Fiducials

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	125030	Inter-Hemispheric Plane		
SCT	62872008	Anterior Commissure	T-A2980	C0152335
SCT	279336005	Posterior Commissure	T-A4904	C0152327
DCM	125031	Right Hemisphere Most Anterior		
DCM	125032	Right Hemisphere Most Posterior		
DCM	125033	Right Hemisphere Most Superior		
DCM	125034	Right Hemisphere Most Inferior		
DCM	125035	Left Hemisphere Most Anterior		
DCM	125036	Left Hemisphere Most Posterior		
DCM	125037	Left Hemisphere Most Superior		
DCM	125038	Left Hemisphere Most Inferior		

CID 7110 Fiducials Categories

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160919**
UID: **1.2.840.10008.6.1.1132**

Table CID 7110. Fiducials Categories

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112171	Fiducial mark		
SCT	711101009	Anatomical point	R-FF2E7	C0504079
SCT	183973000	Body surface point	T-D002F	C0567332
SCT	706484002	Body reference point marker	R-FDCFF	C3872476

CID 7111 Fiducials

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20180917**
UID: **1.2.840.10008.6.1.1133**

Table CID 7111. Fiducials

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 3496 “IVUS Fiducial Points”				
Include CID 3837 “Fiducial Feature”				
Include CID 7101 “Brain Atlas Fiducials”				
Include CID 7112 “Radiotherapy Fiducials”				

CID 7112 Radiotherapy Fiducials

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180917**
UID: **1.2.840.10008.6.1.1207**

Table CID 7112. Radiotherapy Fiducials

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	129301	Coil Marker		
DCM	122485	Sphere		
DCM	129303	Cylinder Marker		
SCT	102378009	BB Shot (Lead Pellet)	A-32475	C0522706
DCM	129305	Wire Marker		
DCM	129306	Transponder Marker		
SCT	19443004	Radioactive implant	A-04034	C0521196
DCM	129308	MR Marker		
DCM	129309	Infrared Reflector Marker		
DCM	129310	Visible Reflector Marker		
SCT	77720000	Clip	A-12062	C0175722
SCT	19923001	Catheter	A-26800	C0085590
SCT	385420005	Contrast media	F-61D54	C0009924

CID 7140 Brain Structures for Volumetric Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.967**

Table CID 7140. Brain Structures for Volumetric Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	4958002	Amygdala	T-A3230	C0002708
SCT	119238007	Brain Stem	T-D0558	C1268144
SCT	11000004	Caudate Nucleus	T-A3200	C0007461

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	25991003	Cerebellar Cortex	T-A6040	C0007759
SCT	33060004	Cerebellar White Matter	T-A6080	C0152381
SCT	40146001	Cerebral Gray Matter	T-A2020	C0007776
SCT	68523003	Cerebral White Matter	T-A2030	C0152295
SCT	1101003	Cranial Cavity	T-D1400	C0230041
SCT	33930006	Cranial Subarachnoid Space	T-A1502	C0228145
SCT	180933005	Fifth Ventricle	T-A1604	C0228158
SCT	35918002	Fourth Ventricle	T-A1820	C0149556
SCT	14738005	Globus Pallidus	T-A3500	C0017651
SCT	5366008	Hippocampus	T-A2570	C0019564
SCT	263972004	Cerebellar Subarachnoid Space	T-A1509	C0446676
SCT	53118009	Inferior Horn of Lateral Ventricle	T-A1720	C0152283
SCT	66720007	Lateral Ventricle	T-A1650	C0152279
SCT	427667007	Nucleus Accumbens	T-A0149	C0028633
SCT	128319008	Intracranial structure	T-A0190	C1267697
SCT	89278009	Putamen	T-A3400	C0034169
SCT	119406000	Thalamus	T-D0593	C0458271
SCT	49841001	Third ventricle	T-A1740	C0149555
DCM	110700	Ventral Diencephalon		
DCM	110701	White Matter T1 Hypointensity		
DCM	110702	White Matter T2 Hyperintensity		

Note

1. (1101003, SCT, "Cranial Cavity") may be used to describe the volume of the entire intra-cranial space (intra-cranial volume or ICV) though the coded concept used is "structure of" rather than "entire" to be consistent with normal DICOM practice.

2. (25991003, SCT, "Cerebellar Cortex") is the gray matter of the cerebellum (as distinct from (33060004, SCT, "Cerebellar white matter")).

3. (33930006, SCT, "Cranial Subarachnoid Space") may be used to describe the volume of the exterior CSF (surrounding the brain, excluding the ventricles).

4. (263972004, SCT, "Cerebellar Subarachnoid Space") may be used to describe the volume of the inferior intracranial CSF space (infra-tentorial).

CID 7150 Segmentation Property Categories

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.496**

Table CID 7150. Segmentation Property Categories

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Segmentation Property Type Context Group
SCT	85756007	Tissue	T-D0050	C0040300	CID 7191 “Tissue Segmentation Property Types”
SCT	123037004	Anatomical Structure	T-D000A	C1268086	CID 7192 “Anatomical Structure Segmentation Property Types”
SCT	260787004	Physical object	A-00004	C0085089	CID 7193 “Physical Object Segmentation Property Types”
SCT	49755003	Morphologically Abnormal Structure	M-01000	C0221198	CID 7194 “Morphologically Abnormal Structure Segmentation Property Types”
SCT	246464006	Function	R-42019	C0542341	CID 7195 “Function Segmentation Property Types”
SCT	309825002	Spatial and Relational Concept	R-42018	C0587374	CID 7196 “Spatial and Relational Concept Segmentation Property Types”
SCT	91720002	Body Substance	T-D0080	C0504082	CID 7197 “Body Substance Segmentation Property Types”
SCT	105590001	Substance	F-61002	C0439861	CID 7198 “Substance Segmentation Property Types”

CID 7151 Segmentation Property Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.497**

Table CID 7151. Segmentation Property Types

Coding Scheme Designator	Code Value	Code Meaning
Include CID 7191 “Tissue Segmentation Property Types”		
Include CID 7192 “Anatomical Structure Segmentation Property Types”		
Include CID 7193 “Physical Object Segmentation Property Types”		
Include CID 7194 “Morphologically Abnormal Structure Segmentation Property Types”		
Include CID 7195 “Function Segmentation Property Types”		
Include CID 7196 “Spatial and Relational Concept Segmentation Property Types”		
Include CID 7197 “Body Substance Segmentation Property Types”		
Include CID 4273 “Retinal Segmentation Surfaces”		

CID 7152 Cardiac Structure Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130617**
UID: **1.2.840.10008.6.1.498**

Table CID 7152. Cardiac Structure Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	80891009	Heart	T-32000	C0018787
SCT	15825003	Aorta	T-42000	C0003483
SCT	87878005	Left Ventricle	T-32600	C0225897
SCT	53085002	Right Ventricle	T-32500	C0225883
SCT	76848001	Pericardium	T-39000	C0031050
SCT	25489000	Pericardial cavity	T-39050	C0225972

CID 7153 CNS Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.499**

Table CID 7153. CNS Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	62818001	Adenohypophysis	T-B1100	C0032008
SCT	4958002	Amygdala	T-A3230	C0002708
SCT	75042008	Arachnoid	T-A1220	C0003707
FMA	276650	Arcuate Fasciculus		C2329633
SCT	12738006	Brain	T-A0100	C0006104
SCT	280371009	Brain cerebrospinal fluid pathway	T-A0109	C0459387
SCT	119238007	Brain stem	T-D0558	C1268144
SCT	35764002	Brain ventricle	T-A1600	C0007799
SCT	11000004	Caudate nucleus	T-A3200	C0007461
SCT	21483005	Central nervous system	T-A0090	C0927232
SCT	33060004	Cerebellar white matter	T-A6080	C0152381
SCT	80447000	Cerebral aqueduct	T-A1800	C0007769
SCT	40146001	Cerebral cortex	T-A2020	C0007776
SCT	87463005	Cerebral fornix	T-A2970	C0152334
SCT	40146001	Cerebral Gray Matter	T-A2020	C0007776
SCT	68523003	Cerebral White Matter	T-A2030	C0152295
SCT	65216001	Cerebrospinal Fluid	T-A1000	C0007806
SCT	37035000	Cingulum	T-A2840	C0228272
SCT	88442005	Corpus callosum	T-A2700	C0010090
SCT	31428008	Corpus striatum	T-A3100	C0010097
SCT	87563008	Diencephalon	T-A0102	C0012144
SCT	18545000	Dura mater	T-A1120	C0013313
SCT	3937002	Entorhinal Cortex	T-A2594	C0175196
SCT	35918002	Fourth ventricle	T-A1820	C0149556

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	83251001	Frontal lobe	T-A2200	C0016733
SCT	14738005	Globus pallidus	T-A3500	C0017651
SCT	389081007	Gray Matter	T-A0096	C1300312
SCT	5366008	Hippocampus	T-A2570	C0019564
SCT	67701001	Inferior cerebellar peduncle	T-A6640	C0152393
SCT	55233005	Inferior longitudinal fasciculus	T-A2850	C0228273
SCT	36169008	Insula	T-A2610	C0021640
SCT	461002	Lateral corticospinal tract	T-A7093	C0152402
SCT	66720007	Lateral ventricle	T-A1650	C0152279
SCT	279215006	Limbic lobe	T-A0036	C0458337
SCT	30114003	Medial Lemniscus	T-A5271	C0228420
SCT	1231004	Meninges	T-A1110	C0025285
SCT	61962009	Midbrain	T-A5100	C0025462
SCT	33723005	Middle cerebellar peduncle	T-A6630	C0152392
SCT	427667007	Nucleus accumbens	T-A0149	C0028633
SCT	37512009	Neurohypophysis	T-B1200	C0032009
SCT	31065004	Occipital lobe	T-A2400	C0028785
SCT	244453006	Optic chiasm	T-A800B	C0029126
SCT	70105001	Optic radiation	T-A2880	C0228277
SCT	53238003	Optic tract	T-A8060	C0152405
SCT	16630005	Parietal lobe	T-A2300	C0030560
SCT	23180006	Pia mater	T-A1280	C0031869
SCT	45793000	Pineal Gland	T-B2000	C0031939
SCT	56329008	Pituitary	T-B1000	C0032005
SCT	279336005	Posterior cerebral commissure	T-A4904	C0152327
SCT	89278009	Putamen	T-A3400	C0034169
SCT	280401006	Spinal cerebrospinal fluid pathway	T-D0721	C0459413
SCT	2748008	Spinal cord	T-A7010	C0037925
SCT	12958003	Spinal cord gray matter	T-A7020	C0475853
SCT	27088001	Spinal cord white matter	T-A7070	C0458457
SCT	35951006	Subarachnoid space	T-A1500	C0038527
SCT	70007007	Substantia nigra	T-A5160	C0038590
SCT	11089000	Superior cerebellar peduncle	T-A6620	C0152391
SCT	89202009	Superior longitudinal fasciculus	T-A2820	C0228270
SCT	11628009	Telencephalon	T-A0103	C0039452
SCT	78277001	Temporal lobe	T-A2500	C0039485
SCT	42695009	Thalamus	T-A4000	C0039729
SCT	49841001	Third ventricle	T-A1740	C0149555
SCT	26230003	Uncinate fasciculus	T-A2830	C0228271
SCT	389080008	White Matter	T-A0095	C1300311

CID 7154 Abdominal Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130617**
UID: **1.2.840.10008.6.1.500**

Table CID 7154. Abdominal Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	113345001	Abdomen	T-D4000	C0000726
SCT	52731004	Abdominal cavity	T-D4010	C0230168
SCT	195879000	Abdominal wall muscle	T-14001	C1279385
SCT	23451007	Adrenal gland	T-B3000	C0001625
SCT	7832008	Abdominal aorta	T-42500	C0003484
SCT	28273000	Bile Duct	T-60610	C0005400
SCT	64131007	Inferior vena cava	T-48710	C0042458
SCT	64033007	Kidney	T-71000	C0022646
SCT	10200004	Liver	T-62000	C0023884
SCT	27398004	Omentum	T-D4600	C0028977
SCT	83670000	Peritoneal cavity	T-D4425	C1704247
SCT	15425007	Peritioneum	T-D4400	C0031153
SCT	82849001	Retroperitoneal space	T-D4900	C0035359
SCT	75093004	Skin of abdomen	T-02480	C0222166
SCT	30315005	Small Intestine	T-58000	C0021852
SCT	78961009	Spleen	T-C3000	C0037993
SCT	122489005	Urinary system	T-70001	C1508753

CID 7155 Thoracic Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130617**
UID: **1.2.840.10008.6.1.501**

Table CID 7155. Thoracic Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	59820001	Blood Vessel	T-40000	C0005847
SCT	272710004	Bone of thorax	T-D0170	C0448157
SCT	955009	Bronchus	T-26000	C0006255
SCT	372074006	Chest wall muscle	T-14122	C1269825
SCT	51299004	Clavicle	T-12310	C0008913
SCT	5798000	Diaphragm	T-D3400	C0011980
SCT	32849002	Esophagus	T-56000	C0014876
SCT	90572001	Lower lobe of lung	T-28830	C0225758
SCT	39607008	Lung	T-28000	C0024109

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	72410000	Mediastinum	T-D3300	C0025066
SCT	72481006	Middle lobe of right lung	T-28300	C0225757
SCT	3120008	Pleura	T-29000	C0032225
SCT	113197003	Rib	T-11300	C0035561
SCT	74160004	Skin of chest	T-02424	C0222149
SCT	56873002	Sternum	T-11210	C0038293
SCT	122495006	Thoracic spine	T-11502	C0581269
SCT	51185008	Thorax	T-D3000	C0817096
SCT	44567001	Trachea	T-25000	C0040578
SCT	9875009	Thymus	T-C8000	C0040113
SCT	45653009	Upper lobe of lung	T-28820	C0225756

CID 7156 Vascular Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.502**

Table CID 7156. Vascular Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	30180000	Adventitia	T-1A190	C0225342
SCT	113257007	Cardiovascular system	T-30000	C0007226
SCT	8361002	Intima	T-1A170	C0162864
SCT	91747007	Lumen	T-40230	C0524424
SCT	61695000	Media	T-1A180	C0162867
SCT	281159003	Systemic artery	T-4105E	C0459964
SCT	360592004	Systemic vein	T-48081	C0447117
SCT	396339007	Thrombus	M-35001	C0087086
SCT	107671003	Vascular sclerosis	M-520F8	C0003850

CID 7157 Device Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130617**
UID: **1.2.840.10008.6.1.503**

Table CID 7157. Device Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 9505 “Fixation or Positioning Devices”				
Include CID 9506 “Brachytherapy Devices”				
SCT	77444004	Bone Pin	A-12024	C0175718
SCT	68183006	Bone Screw	A-12030	C0005975

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	14106009	Cardiac Pacemaker	A-11100	C0030163
SCT	72506001	Defibrillator	A-11206	C0162589
SCT	27606000	Dental Prosthesis	A-04200	C0162686
SCT	272287005	Inlay Dental Restoration	A-04036	C0441351
SCT	360066001	Left ventricular assist device	A-11FCD	C0181598
SCT	79068005	Needle	A-30360	C0027551
SCT	19443004	Radioactive implant	A-04034	C0521196
SCT	65818007	Stent	A-25500	C0038257

CID 7158 Artifact Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130617**
UID: **1.2.840.10008.6.1.504**

Table CID 7158. Artifact Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	272180002	Clothing	A-00916	C0009072
SCT	19227008	Foreign body	M-30400	C0016542
SCT	86407004	Table	A-17350	C0039224

CID 7159 Lesion Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190327**
UID: **1.2.840.10008.6.1.505**

Table CID 7159. Lesion Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	44132006	Abscess	M-41610	C0000833
SCT	75753009	Blood clot	M-35000	C0302148
SCT	367643001	Cyst	M-3340A	C0010709
SCT	79654002	Edema	M-36300	C0013604
SCT	55584005	Embolus	M-35300	C1704212
SCT	50960005	Hemorrhage	M-37000	C0019080
SCT	23583003	Inflammation	M-40000	C0021368
SCT	4147007	Mass	M-03000	C0577559
SCT	6574001	Necrosis	M-54000	C0027540
SCT	108369006	Neoplasm	M-8FFFF	C0027651
SCT	86049000	Neoplasm, Primary	M-80003	C1306459
SCT	14799000	Neoplasm, Secondary	M-80006	C2939419
SCT	27925004	Nodule	M-03010	C0028259

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 7168 “Brain Lesion Segmentation Types With Necrosis”				

CID 7160 Pelvic Organ Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130617**
UID: **1.2.840.10008.6.1.506**

Table CID 7160. Pelvic Organ Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	89837001	Bladder	T-74000	C0005682
SCT	71252005	Cervix	T-83200	C0007874
SCT	31435000	Fallopian tube	T-88000	C0015560
SCT	86969008	Female external genitalia	T-80010	C0227747
SCT	87759004	Female internal genitalia	T-80020	C0227748
SCT	90418005	Male external genitalia	T-90010	C0227922
SCT	38242008	Male internal genitalia	T-90020	C0227923
SCT	15497006	Ovary	T-87000	C0029939
SCT	41216001	Prostate	T-92000	C0033572
SCT	34402009	Rectum	T-59600	C0034896
SCT	64739004	Seminal Vesicle	T-93000	C0036628
SCT	40689003	Testis	T-94000	C0039597
SCT	35039007	Uterus	T-83000	C0042149
SCT	76784001	Vagina	T-82000	C0042232
SCT	57671007	Vas deferens	T-96000	C0042360

CID 7161 Physiology Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20060822**
UID: **1.2.840.10008.6.1.507**

Table CID 7161. Physiology Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371863001	Perfusion	R-0039F	C1276288

CID 7162 Surface Processing Algorithm Families

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080829**
UID: **1.2.840.10008.6.1.636**

Table CID 7162. Surface Processing Algorithm Families

Coding Scheme Designator	Code Value	Code Meaning
DCM	123101	Neighborhood Analysis
DCM	123102	Adaptive Filtering
DCM	123103	Edge Detection
DCM	123104	Morphological Operations
DCM	123105	Histogram Analysis
DCM	123106	Multi-Scale/Resolution Filtering
DCM	123107	Cluster Analysis
DCM	123108	Multispectral Processing
DCM	123109	Manual Processing
DCM	123110	Artificial Intelligence
DCM	123111	Deformable Models

CID 7165 Abstract Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190327**
UID: **1.2.840.10008.6.1.962**

Table CID 7165. Abstract Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	125040	Background		
SCT	85756007	Tissue	T-D0050	C0040300
SCT	289925000	Waste Material	F-61779	C0043045
DCM	125041	Registration Input		
DCM	113132	Single subject extracted from group		
NCIt	C94970	Reference Region		C2986814
SCT	17621005	Normal	G-A460	C0205307

Note

The concept (17621005, SCT, "Normal") is a general normality qualifier used here to mean normal in the context of the structural or functional image being segmented, whether it be "normal tissue" or "normal function". Normal may be distinguished from background (e.g., where there is no tissue at all).

CID 7166 Common Tissue Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.963**

Table CID 7166. Common Tissue Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	51114001	Artery	T-41000	C0003842
SCT	87612001	Blood	T-C2000	C0005767
SCT	59820001	Blood vessel	T-40000	C0005847
SCT	248300009	Body fat	F-03D38	C0344335
SCT	272673000	Bone	T-D016E	C0262950
SCT	20982000	Capillary	T-40050	C0006901
SCT	309312004	Cartilage	T-D021B	C0007301
SCT	21793004	Connective tissue	T-1A200	C0009780
SCT	52082005	Ligament	T-18010	C0023685
SCT	59441001	Lymph node	T-C4000	C0024204
SCT	89890002	Lymphatic system	T-C6000	C0024235
SCT	83555006	Lymphatic vessel	T-C6010	C0229889
SCT	74135004	Meniscus	T-15009	C0224498
SCT	71616004	Muscle	T-13001	C0026845
SCT	119410002	Nerve	T-D0598	C1268169
SCT	113343008	Organ	T-D0060	C0229983
SCT	39937001	Skin	T-01000	C1123023
SCT	13024002	Tendon	T-17010	C0039508
SCT	85756007	Tissue	T-D0050	C0040300
SCT	29092000	Vein	T-48000	C0042449

Note

Blood and body fat are considered tissues rather than body substances because they are cellular.

CID 7167 Peripheral Nervous System Segmentation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130617**
UID: **1.2.840.10008.6.1.964**

Table CID 7167. Peripheral Nervous System Segmentation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	3058005	Peripheral nervous system	T-A0140	C0206417
SCT	84782009	Peripheral nerve	T-A0500	C0031119
SCT	25238003	Cranial nerve	T-A8000	C0010268
SCT	88882009	Vagus nerve	T-A8640	C0042276
SCT	53520000	Autonomic nerve	T-A9605	C0206250
SCT	44909008	Sympathetic trunk	T-A9630	C0228972

CID 7168 Brain Lesion Segmentation Types With Necrosis

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20190327**
UID: **1.2.840.10008.6.1.1280**

Table CID 7168. Brain Lesion Segmentation Types With Necrosis

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 7169 “Brain Lesion Segmentation Types Without Necrosis”				
SCT	6574001	Necrosis	M-54000	C0027540

Note

The same concept for non-enhancing tumor is used in this Context Group and when included in CID 7169 “Brain Lesion Segmentation Types Without Necrosis”. When used in this Context Group, non-enhancing tumor excludes any necrotic region, whereas when used in CID 7169, it does not.

CID 7169 Brain Lesion Segmentation Types Without Necrosis

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190327**
UID: **1.2.840.10008.6.1.1281**

Table CID 7169. Brain Lesion Segmentation Types Without Necrosis

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	125040	Background		
SCT	17621005	Normal	G-A460	C0205307
SCT	79654002	Edema	M-36300	C0013604
NCIt	C81175	Non-Enhancing Lesion		C2825493
NCIt	C113842	Enhancing Lesion		C3830314

Note

1. The concept (17621005, SCT, "Normal") is a general normality qualifier used here in context to mean normally appearing brain tissue on an imaging study. Some coding schemes contain more specific concepts such as "normal tissue" (but may be part of a coding scheme for histopathology rather than imaging) or "normal brain" or "normal white matter". Normal may be distinguished from background (e.g., where there is no tissue at all).

2. A generic concept for edema is used for consistency with other segmentation-related Context Groups, rather than a more specific anatomy or tumor-related concept such as (C121674, NCIt , "Peritumoral Brain Edema") UMLS:C4054192.

3. The same concept for non-enhancing tumor is used in this Context Group and when included in CID 7168 “Brain Lesion Segmentation Types With Necrosis”. When used in this Context Group, non-enhancing tumor includes any necrotic region, whereas when used in CID 7168, it does not.

CID 7180 Abstract Multi-dimensional Image Model Component Semantics

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190323**
UID: **1.2.840.10008.6.1.917**

Table CID 7180. Abstract Multi-dimensional Image Model Component Semantics

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
Include CID 4033 “MR Proton Spectroscopy Metabolites”					
DCM	113063	T1			DT (ms, UCUM, "ms")
DCM	113065	T2			DT (ms, UCUM, "ms")
DCM	113064	T2*			DT (ms, UCUM, "ms")
DCM	113058	Proton Density			
DCM	110800	Spin Tagging Perfusion MR Signal Intensity			
DCM	113070	Velocity encoded			
DCM	113067	Temperature encoded			
DCM	110801	Contrast Agent Angio MR Signal Intensity			
DCM	110802	Time Of Flight Angio MR Signal Intensity			
DCM	110803	Proton Density Weighted MR Signal Intensity			
DCM	110804	T1 Weighted MR Signal Intensity			
DCM	110805	T2 Weighted MR Signal Intensity			
DCM	110806	T2* Weighted MR Signal Intensity			
Include Section CID 7270 “MR Diffusion Component Semantics”					
Include Section CID 7271 “MR Diffusion Anisotropy Indices”					
Include Section CID 7272 “MR Diffusion Model Parameters”					
DCM	110807	Field Map MR Signal Intensity			
DCM	110816	T1 Weighted Dynamic Contrast Enhanced MR Signal Intensity			
DCM	110817	T2 Weighted Dynamic Contrast Enhanced MR Signal Intensity			
DCM	110818	T2* Weighted Dynamic Contrast Enhanced MR Signal Intensity			
DCM	110819	Blood Oxygenation Level			
DCM	110820	Nuclear Medicine Projection Activity			
DCM	110821	Nuclear Medicine Tomographic Activity			
DCM	110822	Spatial Displacement X Component			
DCM	110823	Spatial Displacement Y Component			
DCM	110824	Spatial Displacement Z Component			
DCM	110825	Hemodynamic Resistance			
DCM	110826	Indexed Hemodynamic Resistance			

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
DCM	112031	Attenuation Coefficient			DT ([hnsf'U], UCUM, "Hounsfield unit")
DCM	110827	Tissue Velocity			
DCM	110828	Flow Velocity			
SCT	425704008	Power Doppler	P0-02241	C1960437	
DCM	110829	Flow Variance			
DCM	110830	Elasticity			
DCM	110831	Perfusion			
DCM	110832	Speed of sound			
DCM	110833	Ultrasound Attenuation			
DCM	113068	Student's T-test			
DCM	113071	Z-score			
DCM	113057	R-Coefficient			
DCM	126220	R2-Coefficient			
DCM	126221	Chi-square			
DCM	126222	D-W			
DCM	126223	AIC			
DCM	126224	BIC			
DCM	110834	RGB R Component			
DCM	110835	RGB G Component			
DCM	110836	RGB B Component			
DCM	110837	YBR FULL Y Component			
DCM	110838	YBR FULL CB Component			
DCM	110839	YBR FULL CR Component			
DCM	110840	YBR PARTIAL Y Component			
DCM	110841	YBR PARTIAL CB Component			
DCM	110842	YBR PARTIAL CR Component			
DCM	110843	YBR ICT Y Component			
DCM	110844	YBR ICT CB Component			
DCM	110845	YBR ICT CR Component			
DCM	110846	YBR RCT Y Component			
DCM	110847	YBR RCT CB Component			
DCM	110848	YBR RCT CR Component			
DCM	110849	Echogenicity			
DCM	110850	X-Ray Attenuation			
DCM	110852	MR signal intensity			
DCM	110853	Binary Segmentation			
DCM	110854	Fractional Probabilistic Segmentation			
DCM	110855	Fractional Occupancy Segmentation			

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
DCM	126393	R1			DT (/ms, UCUM, "/ms")
DCM	126394	R2			DT (/ms, UCUM, "/ms")
DCM	126395	R2*			DT (/ms, UCUM, "/ms")
DCM	113098	Magnetization Transfer Ratio			DT ({ratio}, UCUM, "ratio")
DCM	126396	Magnetic Susceptibility			DT ({ratio}, UCUM, "ratio")
Include Section CID 4107 “Tracer Kinetic Model Parameters”					
Include Section CID 4108 “Perfusion Model Parameters”					
Include Section CID 4109 “Model-Independent Dynamic Contrast Analysis Parameters”					
DCM	126400	Standardized Uptake Value			
DCM	126401	SUVbw			DT (g/ml{SUVbw}, UCUM, "Standardized Uptake Value body weight")
DCM	126402	SUVlbm			DT (g/ml{SUVlbm}, UCUM, "Standardized Uptake Value lean body mass (James)")
DCM	126406	SUVlbm(James128)			DT (g/ml{SUVlbm(James128)}, UCUM, "Standardized Uptake Value lean body mass (James 128 multiplier)")
DCM	126405	SUVlbm(Janma)			DT (g/ml{SUVlbm(Janma)}, UCUM, "Standardized Uptake Value lean body mass (Janma)")
DCM	126403	SUVbsa			DT (cm2/ml{SUVbsa}, UCUM, "Standardized Uptake Value body surface area")
DCM	126404	SUVibw			DT (g/ml{SUVibw}, UCUM, "Standardized Uptake Value ideal body weight")
Include CID 10070 “Radiation Dose Types”					
SCT	256674009	Fat	T-D008A	C0015677	
DCM	129100	Fat fraction			
DCM	129101	Water/fat in phase			
DCM	129102	Water/fat out of phase			
DCM	113054	Negative enhancement integral			
DCM	113059	Signal change			
DCM	113060	Signal to noise			
DCM	113066	Time course of signal			
SCT	11713004	Water	C-10120	C0043047	
DCM	129103	Water fraction			
DCM	130086	Relative Linear Stopping Power			DT (ratio, UCUM, "ratio")

CID 7181 Abstract Multi-dimensional Image Model Component Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180605**
UID: **1.2.840.10008.6.1.918**

Table CID 7181. Abstract Multi-dimensional Image Model Component Units

Coding Scheme Designator	Code Value	Code Meaning
Include CID 3500 “Pressure Units”		
Include CID 3502 “Hemodynamic Resistance Units”		
Include CID 3503 “Indexed Hemodynamic Resistance Units”		
Include CID 7460 “Units of Linear Measurement”		
Include CID 7461 “Units of Area Measurement”		
Include CID 7462 “Units of Volume Measurement”		
Include CID 84 “PET Units”		
Include CID 7277 “Units of Diffusion Rate Area Over Time”		
Include CID 10071 “Radiation Dose Units”		
UCUM	1	no units
UCUM	{ratio}	ratio
UCUM	[hnsf'U]	Hounsfield Unit
UCUM	{counts}	Counts
UCUM	{counts}/s	Counts per second
UCUM	[arb'U]	arbitrary unit
UCUM	ppm	ppm
UCUM	cm/s	centimeter/second
UCUM	mm/s	millimeter/second
UCUM	dB	decibel
UCUM	Cel	degrees Celsius
UCUM	ml/min	milliliter per minute
UCUM	ml/s	milliliter per second
UCUM	ms	millisecond
UCUM	s	second
UCUM	Hz	Hertz
UCUM	mT	milliTesla
UCUM	{Particles}/[100]g{Tissue}	number particles per 100 gram of tissue
UCUM	s/mm2	second per square millimeter
UCUM	ml/[100]g/min	milliliter per 100 gram per minute
UCUM	ml/[100]ml	milliliter per 100 milliliter
UCUM	mmol/kg{WetWeight}	millimoles per kg wet weight
UCUM	/min	/min
UCUM	/s	/s

CID 7182 Abstract Multi-dimensional Image Model Dimension Semantics

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20100825**
UID: **1.2.840.10008.6.1.919**

Table CID 7182. Abstract Multi-dimensional Image Model Dimension Semantics

Coding Scheme Designator	Code Value	Code Meaning
DCM	110856	Linear Displacement
DCM	110857	Photon Energy
DCM	110858	Time
DCM	110859	Angle

CID 7183 Abstract Multi-dimensional Image Model Dimension Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100825**
UID: **1.2.840.10008.6.1.920**

Table CID 7183. Abstract Multi-dimensional Image Model Dimension Units

Coding Scheme Designator	Code Value	Code Meaning
Include CID 7460 “Units of Linear Measurement”		
UCUM	ms	Millisecond
UCUM	s	Second
UCUM	deg	Degree
UCUM	rad	Radian

CID 7184 Abstract Multi-dimensional Image Model Axis Direction

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100825**
UID: **1.2.840.10008.6.1.921**

Table CID 7184. Abstract Multi-dimensional Image Model Axis Direction

Coding Scheme Designator	Code Value	Code Meaning
DCM	110860	Left-Right Axis
DCM	110861	Head-Foot Axis
DCM	110862	Anterior-Posterior Axis
DCM	110863	Apex-Base Axis
DCM	110864	Anterior-Inferior Axis
DCM	110865	Septum-Wall Axis

CID 7185 Abstract Multi-dimensional Image Model Axis Orientation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100825**
UID: **1.2.840.10008.6.1.922**

Table CID 7185. Abstract Multi-dimensional Image Model Axis Orientation

Coding Scheme Designator	Code Value	Code Meaning
DCM	110866	Right To Left
DCM	110867	Left To Right
DCM	110868	Head To Foot
DCM	110869	Foot To Head
DCM	110870	Anterior To Posterior
DCM	110871	Posterior To Anterior
DCM	110872	Apex To Base
DCM	110873	Base To Apex
DCM	110874	Anterior To Inferior
DCM	110875	Inferior To Anterior
DCM	110876	Septum To Wall
DCM	110877	Wall To Septum

CID 7186 Abstract Multi-dimensional Image Model Qualitative Dimension Sample Semantics

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100825**
UID: **1.2.840.10008.6.1.923**

Table CID 7186. Abstract Multi-dimensional Image Model Qualitative Dimension Sample Semantics

Coding Scheme Designator	Code Value	Code Meaning
Include CID 4033 “MR Proton Spectroscopy Metabolites”		
DCM	110810	Volumetric Diffusion Dxx Component
DCM	110811	Volumetric Diffusion Dxy Component
DCM	110812	Volumetric Diffusion Dxz Component
DCM	110813	Volumetric Diffusion Dyy Component
DCM	110814	Volumetric Diffusion Dyz Component
DCM	110815	Volumetric Diffusion Dzz Component
DCM	110834	RGB R Component
DCM	110835	RGB G Component
DCM	110836	RGB B Component
DCM	110837	YBR FULL Y Component
DCM	110838	YBR FULL CB Component
DCM	110839	YBR FULL CR Component
DCM	110840	YBR PARTIAL Y Component
DCM	110841	YBR PARTIAL CB Component
DCM	110842	YBR PARTIAL CR Component
DCM	110843	YBR ICT Y Component
DCM	110844	YBR ICT CB Component
DCM	110845	YBR ICT CR Component

Coding Scheme Designator	Code Value	Code Meaning
DCM	110846	YBR RCT Y Component
DCM	110847	YBR RCT CB Component
DCM	110848	YBR RCT CR Component

CID 7191 Tissue Segmentation Property Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1190**

Table CID 7191. Tissue Segmentation Property Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 6403 “Non-lesion Object Type - Tissues”				
Include CID 6405 “Chest Non-lesion Object Type - Tissues”				
Include CID 7166 “Common Tissue Segmentation Types”				

CID 7192 Anatomical Structure Segmentation Property Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1191**

Table CID 7192. Anatomical Structure Segmentation Property Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 4 “Anatomic Region”				
Include CID 3010 “Cardiovascular Anatomic Locations”				
Include CID 3827 “Vessel Segments”				
Include CID 3829 “Pulmonary Arteries”				
Include CID 4028 “Craniofacial Anatomic Regions”				
Include CID 4030 “CT, MR and PET Anatomy Imaged”				
Include CID 4040 “Endoscopy Anatomic Regions”				
Include CID 6110 “Lung Anatomy Finding or Feature”				
Include CID 6111 “Bronchovascular Anatomy Finding or Feature”				
Include CID 6112 “Pleura Anatomy Finding or Feature”				
Include CID 6113 “Mediastinum Anatomy Finding or Feature”				
Include CID 6114 “Osseous Anatomy Finding or Feature”				
Include CID 6116 “Muscular Anatomy”				
Include CID 6117 “Vascular Anatomy”				
Include CID 7152 “Cardiac Structure Segmentation Types”				
Include CID 7153 “CNS Segmentation Types”				
Include CID 7154 “Abdominal Segmentation Types”				
Include CID 7155 “Thoracic Segmentation Types”				

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 7156 “Vascular Segmentation Types”				
Include CID 7160 “Pelvic Organ Segmentation Types”				
Include CID 7167 “Peripheral Nervous System Segmentation Types”				
Include CID 4273 “Retinal Segmentation Surfaces”				

CID 7193 Physical Object Segmentation Property Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1192**

Table CID 7193. Physical Object Segmentation Property Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 8 “Angiographic Interventional Devices”				
Include CID 6401 “Non-lesion Object Type - Physical Objects”				
Include CID 6404 “Chest Non-lesion Object Type - Physical Objects”				
Include CID 7157 “Device Segmentation Types”				
Include CID 7158 “Artifact Segmentation Types”				
Include CID 7027 “Segmented Radiotherapeutic Dose Measurement Devices”				

CID 7194 Morphologically Abnormal Structure Segmentation Property Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1193**

Table CID 7194. Morphologically Abnormal Structure Segmentation Property Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 7159 “Lesion Segmentation Types”				

CID 7195 Function Segmentation Property Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1194**

Table CID 7195. Function Segmentation Property Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 7161 “Physiology Segmentation Types”				

CID 7196 Spatial and Relational Concept Segmentation Property Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**

UID: **1.2.840.10008.6.1.1195**

Table CID 7196. Spatial and Relational Concept Segmentation Property Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112082	Interface		
DCM	112083	Line		
DCM	112084	Lucency		
Include CID 7165 “Abstract Segmentation Types”				

Note

Some of the concepts in this context group are derived from CID 6109 “Radiographic Anatomy Finding or Feature”.

CID 7197 Body Substance Segmentation Property Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1196**

Table CID 7197. Body Substance Segmentation Property Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	70150004	Bile	T-60650	C0005388
SCT	32457005	Body fluid	T-D0070	C0005889
SCT	39477002	Feces	T-59666	C0015733
SCT	74947009	Gas	C-10080	C0017110
SCT	78014005	Urine	T-70060	C0042036

CID 7198 Substance Segmentation Property Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1197**

Table CID 7198. Substance Segmentation Property Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 6402 “Non-lesion Object Type - Substances”				

CID 7201 Referenced Image Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180916**
UID: **1.2.840.10008.6.1.508**

Table CID 7201. Referenced Image Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	121311	Localizer

Coding Scheme Designator	Code Value	Code Meaning
DCM	121312	Biopsy localizer
DCM	121313	Other partial views
DCM	121314	Other image of biplane pair
DCM	121315	Other image of stereoscopic pair
DCM	121316	Images related to standalone object
DCM	121317	Spectroscopy
DCM	121338	Anatomic image
DCM	121339	Functional image
DCM	121340	Spectral filtered image
DCM	121341	Device localizer
DCM	121346	Acquisition frames corresponding to volume
DCM	121347	Volume corresponding to spatially-related acquisition frames
DCM	121348	Temporal Predecessor
DCM	121349	Temporal Successor
DCM	129201	Image used for Treatment Planning
DCM	129202	Image used for Dose Calculation
DCM	129203	Image Acquired during Treatment
DCM	129204	Image used as Reference Image for Treatment

CID 7202 Source Image Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.509**

Table CID 7202. Source Image Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	121320	Uncompressed predecessor
DCM	121321	Mask image for image processing operation
DCM	121322	Source image for image processing operation
DCM	121329	Source image for montage
DCM	121330	Lossy compressed predecessor
DCM	121358	For Processing predecessor
DCM	113130	Predecessor containing group of imaging subjects
DCM	128250	Structural image for image processing
DCM	128251	Flow image for image processing

CID 7203 Image Derivation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180904**
UID: **1.2.840.10008.6.1.510**

Table CID 7203. Image Derivation

Coding Scheme Designator	Code Value	Code Meaning
DCM	113040	Lossy Compression
DCM	113042	Pixel by pixel addition
DCM	113046	Pixel by pixel division
DCM	113047	Pixel by pixel mask
DCM	113048	Pixel by pixel Maximum
DCM	113049	Pixel by pixel mean
DCM	113050	Metabolite Maps from spectroscopy data
DCM	113051	Pixel by pixel Minimum
DCM	113053	Pixel by pixel multiplication
DCM	113062	Pixel by pixel subtraction
DCM	113072	Multiplanar reformatting
DCM	113073	Curved multiplanar reformatting
DCM	113074	Volume rendering
DCM	113075	Surface rendering
DCM	113076	Segmentation
DCM	113077	Volume editing
DCM	113078	Maximum intensity projection
DCM	113079	Minimum intensity projection
DCM	113085	Spatial resampling
DCM	113086	Edge enhancement
DCM	113087	Smoothing
DCM	113088	Gaussian blur
DCM	113089	Unsharp mask
DCM	113090	Image stitching
DCM	113091	Spatially-related frames extracted from the volume
DCM	113092	Temporally-related frames extracted from the set of volumes
DCM	113097	Multi-energy proportional weighting
DCM	113093	Polar to Rectangular Scan Conversion
DCM	113131	Extraction of individual subject from group
DCM	128303	OCT B-scan analysis
DCM	129104	Perfusion image analysis
DCM	129105	Diffusion image analysis
DCM	129106	Diffusion tractography

Note

This context group contains relaively generic descriptions of image processing, e.g., (129104, DCM, "Perfusion image analysis"). More specific descriptions of the exact derivation method can be expected in the Quantity Definition Sequence (0040,9220) in a Real World Value Map describing pixel values, or the describing numeric measurements from regions of interest, e.g., using CID 4102 “Perfusion Measurement Methods”.

CID 7205 Purpose of Reference to Alternate Representation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20040322**
UID: **1.2.840.10008.6.1.511**

Table CID 7205. Purpose of Reference to Alternate Representation

Coding Scheme Designator	Code Value	Code Meaning
DCM	121324	Source image
DCM	121325	Lossy compressed image
DCM	121326	Alternate SOP Class instance
DCM	121327	Full fidelity image
DCM	121328	Alternate Photometric Interpretation image

CID 7210 Related Series Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140627**
UID: **1.2.840.10008.6.1.512**

Table CID 7210. Related Series Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	122400	Simultaneously Acquired
DCM	122401	Same Anatomy
DCM	122402	Same Indication
DCM	122403	For Attenuation Correction
DCM	121323	Source series for image processing operation

CID 7215 Spectroscopy Purpose of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140105**
UID: **1.2.840.10008.6.1.970**

Table CID 7215. Spectroscopy Purpose of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	121318	Spectroscopy Data for Water Phase Correction

CID 7220 RT Dose Derivation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140106**
UID: **1.2.840.10008.6.1.968**

Table CID 7220. RT Dose Derivation

Coding Scheme Designator	Code Value	Code Meaning
DCM	121370	Composed from prior doses
DCM	121371	Composed from prior doses and current plan

CID 7221 RT Dose Purpose of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140106**
UID: **1.2.840.10008.6.1.969**

Table CID 7221. RT Dose Purpose of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	121372	Source dose for composing current dose

CID 7222 Parametric Map Derivation Image Purpose of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.1009**

Table CID 7222. Parametric Map Derivation Image Purpose of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	121322	Source Image for Image Processing Operation

CID 7250 Multi-Frame Subset Type

This Context Group specifies the terms used to identify a subset of frames of a multi-frame image. It is used for encoding an equivalent of the Image SOP Instance Reference Macro (see PS3.3) in an HL7 v3 data structure (see HL7 v3 CMET, COCT_RM830120 "A_DicomCompositeObjectReference minimal").

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070625**
UID: **1.2.840.10008.6.1.513**

Table CID 7250. Multi-Frame Subset Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	121190	Referenced Frames
DCM	121191	Referenced Segment

CID 7260 Diffusion Acquisition Value Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150918**
UID: **1.2.840.10008.6.1.1059**

Table CID 7260. Diffusion Acquisition Value Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	113221	HARDI
DCM	113222	DKI
DCM	113223	DTI
DCM	113224	DSI
DCM	113225	LSDI

Coding Scheme Designator	Code Value	Code Meaning
DCM	113226	Single Shot EPI
DCM	113227	Multiple Shot EPI
DCM	113228	Parallel Imaging

CID 7261 Diffusion Model Value Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150918**
UID: **1.2.840.10008.6.1.1060**

Table CID 7261. Diffusion Model Value Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	113231	Single Tensor
DCM	113232	Multi Tensor
DCM	113233	Model Free
DCM	113234	CHARMED
DCM	113224	DSI
DCM	113236	DOT
DCM	113237	PAS
DCM	113238	Spherical Deconvolution

CID 7262 Diffusion Tractography Algorithm Families

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150918**
UID: **1.2.840.10008.6.1.1061**

Table CID 7262. Diffusion Tractography Algorithm Families

Coding Scheme Designator	Code Value	Code Meaning
DCM	113211	Deterministic
DCM	113212	Probabilistic
DCM	113213	Global
DCM	113214	FACT
DCM	113215	Streamline
DCM	113216	TEND
DCM	113217	Bootstrap
DCM	113218	Euler
DCM	113219	Runge-Kutta

CID 7263 Diffusion Tractography Measurement Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150918**
UID: **1.2.840.10008.6.1.1062**

Table CID 7263. Diffusion Tractography Measurement Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	113201	Trace
DCM	113202	Mean Diffusivity
DCM	113041	Apparent Diffusion Coefficient
DCM	110808	Fractional Anisotropy
DCM	110809	Relative Anisotropy
DCM	113203	Radial Diffusivity
DCM	113204	Axial Diffusivity
DCM	113205	Mean Kurtosis
DCM	113206	Apparent Kurtosis Coefficient
DCM	113207	Radial Kurtosis
DCM	113208	Axial Kurtosis
DCM	113209	Fractional Kurtosis Anisotropy
DCM	110810	Volumetric Diffusion Dxx Component
DCM	110811	Volumetric Diffusion Dxy Component
DCM	110812	Volumetric Diffusion Dxz Component
DCM	110813	Volumetric Diffusion Dyy Component
DCM	110814	Volumetric Diffusion Dyz Component
DCM	110815	Volumetric Diffusion Dzz Component

CID 7270 MR Diffusion Component Semantics

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170413**
UID: **1.2.840.10008.6.1.1165**

Table CID 7270. MR Diffusion Component Semantics

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
DCM	113043	Diffusion weighted			DT (1, UCUM, "no units")
DCM	110810	Volumetric Diffusion Dxx Component			DT (1, UCUM, "no units")
DCM	110811	Volumetric Diffusion Dxy Component			DT (1, UCUM, "no units")
DCM	110812	Volumetric Diffusion Dxz Component			DT (1, UCUM, "no units")
DCM	110813	Volumetric Diffusion Dyy Component			DT (1, UCUM, "no units")
DCM	110814	Volumetric Diffusion Dyz Component			DT (1, UCUM, "no units")
DCM	110815	Volumetric Diffusion Dzz Component			DT (1, UCUM, "no units")

CID 7271 MR Diffusion Anisotropy Indices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170413**
UID: **1.2.840.10008.6.1.1166**

Table CID 7271. MR Diffusion Anisotropy Indices

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
DCM	110808	Fractional Anisotropy			DT ({0:1}, UCUM, "range 0:1")
DCM	110809	Relative Anisotropy			DT ({ratio}, UCUM, "ratio")
DCM	113288	Volume Ratio			DT ({0:1}, UCUM, "range 0:1")

CID 7272 MR Diffusion Model Parameters

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170413**
UID: **1.2.840.10008.6.1.1167**

Table CID 7272. MR Diffusion Model Parameters

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
DCM	113041	Apparent Diffusion Coefficient		C3890194	DCID 7277 “Units of Diffusion Rate Area Over Time”
DCM	113289	Diffusion Coefficient			DCID 7277 “Units of Diffusion Rate Area Over Time”
DCM	113290	Mono-exponential Apparent Diffusion Coefficient			DCID 7277 “Units of Diffusion Rate Area Over Time”
DCM	113291	Slow Diffusion Coefficient			DCID 7277 “Units of Diffusion Rate Area Over Time”
DCM	113292	Fast Diffusion Coefficient			DCID 7277 “Units of Diffusion Rate Area Over Time”
DCM	113293	Fast Diffusion Coefficient Fraction			DT ({0:1}, UCUM, "range 0:1")
DCM	113294	Kurtosis Diffusion Coefficient			DCID 7277 “Units of Diffusion Rate Area Over Time”
DCM	113295	Gamma Distribution Scale Parameter			DT (1, UCUM, "no units")
DCM	113296	Gamma Distribution Shape Parameter			DT (1, UCUM, "no units")
DCM	113297	Gamma Distribution Mode			DT (1, UCUM, "no units")
DCM	113298	Distributed Diffusion Coefficient			DCID 7277 “Units of Diffusion Rate Area Over Time”
DCM	113299	Anomalous Exponent Parameter			DT ({0:1}, UCUM, "range 0:1")

CID 7273 MR Diffusion Models

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20170413**
UID: **1.2.840.10008.6.1.1168**

Table CID 7273. MR Diffusion Models

Coding Scheme Designator	Code Value	Code Meaning
DCM	113250	Mono-exponential diffusion model
DCM	113251	Bi-exponential (IVIM) diffusion model
DCM	113252	Kurtosis diffusion model
DCM	113253	Gamma distribution model
DCM	113254	Stretched exponential diffusion model
DCM	113255	Truncated Gaussian diffusion model

CID 7274 MR Diffusion Model Fitting Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170413**
UID: **1.2.840.10008.6.1.1169**

Table CID 7274. MR Diffusion Model Fitting Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	113260	Log of ratio of two samples
DCM	113261	Least squares fit of multiple samples
DCM	113265	Levenberg-Marquardt
DCM	113266	Trust-Region
DCM	113267	Fixed-Dp
DCM	113268	Segmented-Unconstrained
DCM	113269	Segmented-Constrained
DCM	113270	Bayesian-Probability

CID 7275 MR Diffusion Model Specific Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170413**
UID: **1.2.840.10008.6.1.1170**

Table CID 7275. MR Diffusion Model Specific Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	113285	Voxelwise selection of b-value

CID 7276 MR Diffusion Model Inputs

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170413**
UID: **1.2.840.10008.6.1.1171**

Table CID 7276. MR Diffusion Model Inputs

Coding Scheme Designator	Code Value	Code Meaning	Units
DCM	113240	Source image diffusion b-value	DT (s/mm2, UCUM, "s/mm2")

CID 7277 Units of Diffusion Rate Area Over Time

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170413**
UID: **1.2.840.10008.6.1.1172**

Table CID 7277. Units of Diffusion Rate Area Over Time

Coding Scheme Designator	Code Value	Code Meaning
UCUM	mm2/s	mm2/s
UCUM	um2/ms	um2/ms
UCUM	um2/s	um2/s
UCUM	10-6.mm2/s	10-6.mm2/s

CID 7300 Implant Materials

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20101102**
UID: **1.2.840.10008.6.1.1031**

Table CID 7300. Implant Materials

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	261250004	Nickel Titanium	F-61166	C0076736
SCT	256496006	Gold Alloy	F-611FC	C0018027
SCT	256506002	Stainless Steel Material	F-61207	C0038126
SCT	412155002	Polymer	F-61DF9	C0032521
SCT	256501007	Carbon Fiber	F-61202	C0108411

CID 7301 Intervention Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181110**
UID: **1.2.840.10008.6.1.1032**

Table CID 7301. Intervention Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	119614000	Hip joint reconstruction	P1-14810	C1293219
SCT	398010007	Insertion of hip prosthesis	P1-0558A	C0392806
SCT	445185007	Resurfacing of the femoral head	P1-103D3	C2919830
SCT	239503002	Resurfacing of the patella	P1-189C2	C0408429

CID 7302 Implant Templates View Orientations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20101102**
UID: **1.2.840.10008.6.1.1033**

Table CID 7302. Implant Templates View Orientations

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399348003	Antero-Posterior	R-10206	C0442212
SCT	399368009	Medio-Lateral	R-10226	C1302345
SCT	399352003	Lateral-Medial	R-10228	C1302336

CID 7303 Implant Templates Modified View Orientations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20101102**
UID: **1.2.840.10008.6.1.1034**

Table CID 7303. Implant Templates Modified View Orientations

Coding Scheme Designator	Code Value	Code Meaning
DCM	112300	AP+45
DCM	112301	AP-45

CID 7304 Implant Target Anatomy

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1035**

Table CID 7304. Implant Target Anatomy

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	70258002	Ankle Joint	T-15750	C0003087
SCT	122494005	Cervical Spine	T-11501	C0728985
SCT	297171002	Cervico-Thoracic Spine	T-D00F7	C0729373
SCT	16953009	Elbow Joint	T-15430	C0013770
SCT	91397008	Facial Bones	T-11196	C0015455
SCT	71341001	Femur	T-12710	C0015811
SCT	2812003	Head of Femur	T-12711	C0015813
SCT	310651003	Proximal Femur	T-D078C	C0588192
SCT	41111004	Shaft of Femur	T-12717	C0588193
SCT	310652005	Distal Femur	T-D078D	C0588194
SCT	125682004	Finger Joint	T-15516	C0016125
SCT	24136001	Hip Joint	T-15710	C0019558
SCT	661005	Jaw Region	T-D1213	C0022359

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	72696002	Knee	T-D9200	C0022742
SCT	122496007	Lumbar Spine	T-11503	C0024091
SCT	243898001	Lumbo-Sacral Spine	T-D0059	C0446379
SCT	91609006	Mandible	T-11180	C0024687
SCT	70925003	Maxilla	T-11170	C0024947
SCT	64234005	Patella	T-12730	C0030647
SCT	51299004	Clavicle	T-12310	C0008913
SCT	16982005	Shoulder	T-D2220	C0037004
SCT	85050009	Humerus	T-12410	C0020164
SCT	119524001	Proximal Humerus	T-1240F	C0588209
SCT	20760004	Shaft of Humerus	T-12412	C0588210
SCT	118495001	Distal Humerus	T-1241F	C0588211
SCT	62413002	Radius	T-12420	C0034627
SCT	12881000	Proximal Radius	T-1242A	C0588205
SCT	47728000	Shaft of Radius	T-12423	C0588208
SCT	75129005	Distal Radius	T-1242B	C0588207
SCT	23416004	Ulna	T-12430	C0041600
SCT	34318004	Proximal Ulna	T-1243A	C0588201
SCT	21133008	Shaft of Ulna	T-12435	C0588204
SCT	91238003	Distal Ulna	T-1243B	C0588203
SCT	89546000	Skull	T-11100	C0037303
SCT	24097009	Hand	T-12600	C0448064
SCT	122495006	Thoracic Spine	T-11502	C0581269
SCT	297174005	Thoraco-Lumbar Spine	T-D00FA	C0574026
SCT	74670003	Wrist Joint	T-15460	C1322271
SCT	118645006	Pelvis	T-12375	C0448168
SCT	87342007	Fibula	T-12750	C0016068
SCT	67453005	Talus	T-12780	C0039277
SCT	80144004	Calcaneus	T-12770	C0006655
SCT	12611008	Tibia	T-12740	C0040184
SCT	52687003	Shaft of Tibia	T-12746	C0588199
SCT	64605006	Distal Tibia	T-1274B	C0588200

Note

Consistent with other concepts in this context group that refer to specific bones or joints, the concept for Elbow has been changed from T-D8300 to T-15430 used in a prior version of this table. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 7305 Implant Planning Landmarks

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20101102**

UID: **1.2.840.10008.6.1.1036**

Table CID 7305. Implant Planning Landmarks

Coding Scheme Designator	Code Value	Code Meaning
Include CID 7306 “Human Hip Implant Planning Landmarks”		

CID 7306 Human Hip Implant Planning Landmarks

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20101102**
UID: **1.2.840.10008.6.1.1037**

Table CID 7306. Human Hip Implant Planning Landmarks

Coding Scheme Designator	Code Value	Code Meaning
DCM	112302	Anatomical axis of femur
DCM	112303	Acetabular Center of Rotation
DCM	112304	Femur Head Center of Rotation

CID 7307 Implant Component Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20101102**
UID: **1.2.840.10008.6.1.1038**

Table CID 7307. Implant Component Types

Coding Scheme Designator	Code Value	Code Meaning
Include CID 7308 “Human Hip Implant Component Types”		
Include CID 7309 “Human Trauma Implant Component Types”		

CID 7308 Human Hip Implant Component Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20101102**
UID: **1.2.840.10008.6.1.1039**

Table CID 7308. Human Hip Implant Component Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112305	Acetabular Cup Shell		
DCM	112306	Acetabular Cup Insert		
DCM	112307	Acetabular Cup Monoblock		
SCT	304121006	Femoral Head Prosthesis	A-04459	C0015803
DCM	112308	Femoral Head Ball Component		
DCM	112309	Femoral Head Cone Taper Component		
DCM	112310	Femoral Stem		
DCM	112311	Femoral Stem Distal Component		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112312	Femoral Stem Proximal Component		
DCM	112313	Femoral Stem Component		
DCM	112314	Neck Component		
DCM	112315	Monoblock Stem		
DCM	112325	Distal Centralizer		
DCM	112316	Prosthetic Shaft Augment		
DCM	112317	Femoral Head Resurfacing Component		

CID 7309 Human Trauma Implant Component Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20101102**
UID: **1.2.840.10008.6.1.1040**

Table CID 7309. Human Trauma Implant Component Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	68183006	Screw	A-12030	C0005975
SCT	271003	Bone Plate	A-12010	C0005971
SCT	257327003	DHS Plate	A-12018	C0441261
SCT	63289001	Bone Nail	A-12020	C0336579

CID 7310 Implant Fixation Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20101102**
UID: **1.2.840.10008.6.1.1041**

Table CID 7310. Implant Fixation Method

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	129380009	Anchoring	P0-02126	C1292829
SCT	129379006	Fusion	P0-02125	C1283075
SCT	360038009	Gluing	P0-021D6	C1283084
SCT	257837004	Internal fixation using internal fixator system	P1-1099B	C0441561
SCT	257835007	Internal fixation using plate	P1-10999	C0441559
SCT	257834006	Internal fixation using screw	P1-10998	C0441558
SCT	257833000	Internal fixation using staple	P1-10997	C0441557
SCT	257771002	Cemented component fixation	R-41C37	C0441496
SCT	304367000	Uncemented component fixation	R-42808	C0582264
SCT	35860002	Repair by nailing	P1-08080	C0021885
DCM	112318	Pinning		
DCM	112319	Sewing		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	112320	Bolting		
DCM	112321	Wedging		

CID 7320 Planning Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20101102**
UID: **1.2.840.10008.6.1.924**

Table CID 7320. Planning Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	112340	Generic 2D Planning
DCM	112341	Generic 3D Planning
DCM	112342	Generic Planning for Hip Replacement
DCM	112343	Generic Planning for Knee Replacement
DCM	112344	Müller Method Planning for Hip Replacement

CID 7445 Device Participating Roles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20120406**
UID: **1.2.840.10008.6.1.1042**

Table CID 7445. Device Participating Roles

Coding Scheme Designator	Code Value	Code Meaning
DCM	113859	Irradiating Device
DCM	121097	Recording
DCM	113942	X-Ray Reading Device

CID 7449 Reader Specialty

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160601**
UID: **1.2.840.10008.6.1.1119**

Table CID 7449. Reader Specialty

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	128006	Abdominal Imaging Specialty		
DCM	128007	Cardiac Imaging Specialty		
DCM	128008	Head and Neck Imaging Specialty		
DCM	128009	Musculoskeletal Imaging Specialty		
DCM	128010	Neurology Specialty		
DCM	128011	Neuroradiology Imaging Specialty		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	128012	OB/Gyn Imaging Specialty		
DCM	128013	Oncologic Imaging Specialty		
DCM	128014	Oncology Specialty		
DCM	128015	Thoracic Imaging Specialty		
DCM	128016	Pediatric Imaging Specialty		
DCM	128017	Vascular Imaging Specialty		

CID 7450 Person Roles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.514**

Table CID 7450. Person Roles

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	121025	Patient		
SCT	223366009	Healthcare professional	J-00552	C1704312
SCT	113163005	Friend	S-11090	C0079382
Include CID 7451 “Family Member”				
Include CID 7452 “Organizational Roles”				

CID 7451 Family Member

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.515**

Table CID 7451. Family Member

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	65656005	Natural mother	S-10121	C0337486
SCT	9947008	Natural father	S-10131	C0337494
SCT	73678001	Natural sister	S-10151	C0337515
SCT	60614009	Natural brother	S-10161	C0337528
SCT	25211005	Aunt	S-101A1	C0337576
SCT	38048003	Uncle	S-101A2	C0337577
SCT	2272004	Half-sister	S-10154	C0337518
SCT	45929001	Half-brother	S-10164	C0337531
SCT	17945006	Natural grand-mother	S-10115	C0337476
SCT	62296006	Natural grand-father	S-10116	C0337477
SCT	83420006	Natural daughter	S-10181	C0337552
SCT	113160008	Natural son	S-10191	C0337564

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	270002	Female first cousin	S-101A9	C0337584
SCT	11993008	Male first cousin	S-101AA	C0337585

CID 7452 Organizational Roles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170626**
UID: **1.2.840.10008.6.1.516**

Table CID 7452. Organizational Roles

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	158965000	Medical Practitioner	J-0016E	C1306754
SCT	309343006	Physician	J-004E8	C0031831
DCM	128670	Head of Radiology		
DCM	128671	Chair of Protocol Committee		
DCM	128676	Representative of Protocol Committee		
DCM	128677	Representative of Ethics Committee		
DCM	128675	Head of Cardiology		
DCM	128673	Administrator of Radiology Department		
SCT	106292003	Nurse	J-07100	C0028661
SCT	159016003	Radiologic Technologist	J-00187	C0402007
DCM	128674	Lead Radiologic Technologist		
SCT	3430008	Radiation Therapist	J-06173	C0278604
SCT	159016003	Radiographer	J-00187	C0402007
UMLS	C1144859	Intern		C1144859
SCT	405277009	Resident	J-005E6	C1320928
SCT	158971006	Registrar	J-00172	C0401974
DCM	121088	Fellow		
SCT	405279007	Attending	J-005E8	C1320929
SCT	309390008	Consultant	J-0050A	C0586911
UMLS	C1441532	Consulting Physician		C1441532
SCT	415506007	Scrub nurse	J-0714A	C1531952
SCT	304292004	Surgeon	J-00556	C0582175
DCM	121092	Sonologist		
UMLS	C1954848	Sonographer		C1954848
UMLS	C2985483	Radiation Physicist		C2985483
UMLS	C1708969	Medical Physicist		C1708969

Note

1. The distinction between a "physician" and a "surgeon" and a "medical practitioner" is subject to regional variation. In the US, "physician" is often equated with "medical practitioner", and a "surgeon" is considered to be a "physician". In the UK, a "surgeon" is a "medical practitioner" but is not a "physician". In SNOMED, "physician" and "surgeon" are distinct siblings with no direct relationship, and both are children of "medical practitioner". It is recommended that "medical practitioner" be used rather than "physician" when there is uncertainty over whether the person is or is not a "surgeon".

2. There is no distinction between a "radiographer" and a "radiologic technologist", hence the same SNOMED concept is used for both, and "radiologic technologist" is provided as a synonym for use in the US.

3. In the US, the medical practitioner not in training responsible for the care of a hospital patient is referred to as an "attending". In the UK they are referred to as a "consultant". Though these two concepts are essentially the same, they are separate concepts in SNOMED, which defines no explicit relationship between them.

4. 4. A distinction is made between a Consultant and a Consulting Physician since these are separate concepts in UMLS. A Consultant is defined as "individuals referred to for expert or professional advice or services" (MSH) whereas a Consulting Physician is defined as "a physician that has expertise in a specific medical discipline that can offer expertise or advice to other physicians and healthcare providers" (from NCI/PT). In UK practice a "consultant" is always a medical practitioner. In SNOMED, (309390008, SCT, "Consultant") is actually described as "Hospital Consultant" and is a child of "Medical practitioner grade (occupation)".

CID 7453 Performing Roles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180326**
UID: **1.2.840.10008.6.1.517**

Table CID 7453. Performing Roles

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	121094	Performing		
UMLS	C1709880	Referring		C1709880
DCM	121096	Requesting		
DCM	121097	Recording		
DCM	121098	Verifying		
DCM	121099	Assisting		
SCT	413854007	Circulating Nurse	J-0714B	C1531633
DCM	121101	Standby		
DCM	113850	Irradiation Authorizing		
DCM	113851	Irradiation Administering		
NCIt	C28747	Reader		C1514743
DCM	129001	Eligibility Reader		
NCIt	C96561	Adjudicator		C0401783
NCIt	C54634	Reviewer		C1882950
DCM	129002	Designator		
DCM	129003	Image Quality Controller		
DCM	129004	Results Quality Controller		

CID 7454 Animal Taxonomic Rank Values

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20160211**
UID: **1.2.840.10008.6.1.518**

Table CID 7454. Animal Taxonomic Rank Values

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	ITIS TSN
SCT	337915000	Homo sapiens	L-85003	C0086418	180092
SCT	388626009	Felis	L-000F9	C0524517	180586
SCT	448169003	Felis catus (domestic cat)	L-00376	C0007450	183798
SCT	388445009	Equus	L-000A9	C1265527	180689
SCT	35354009	Equus caballus (domestic horse)	L-8A102	C0019944	180691
SCT	388254009	Ovis	L-8C3FD	C0036945	180709
SCT	125099002	Ovis aries (domestic sheep)	L-8C336	C1123019	552475
SCT	388393002	Sus	L-8B1FB	C1265533	180721
SCT	78678003	Sus scrofa	L-8B100	C1135183	180722
SCT	388249000	Capra	L-8C3FB	C1265549	180714
SCT	125097000	Capra hircus (domestic goat)	L-8C306	C0018019	180715
SCT	388490000	Canis	L-881FC	C0524516	180595
SCT	36855005	Canis lupus	L-88121	C1510418	180596
SCT	448771007	Canis lupus familiaris (domestic dog)	L-88124	C0012984	726821
SCT	388168008	Bos	L-8BA18	C1265540	183837
SCT	107007004	Bovinae	L-8B9F9	C0325235	552332
SCT	34618005	Bos taurus (domestic cow)	L-8B941	C1140701	183838
SCT	447482001	Mus genus	L-87830	C0026809	180365
SCT	447612001	Mus musculus (House mouse)	L-87831	C0025914	180366
ITIS_TSN	180278	Peromyscus leucopus (American white-footed mouse)			180278
ITIS_TSN	180276	Peromyscus maniculatus (Deer mouse)			180276
SCT	371564000	Rattus	L-877FB	C0034721	180361
SCT	371565004	Rattus norvegicus (common rat)	L-877FC	C0034693	180363
ITIS_TSN	180346	Sigmodon genus (cotton rat)		C0037070	180346
SCT	125076001	Cavia porcellus (domestic guinea pig)	L-87A02	C0999699	584713
SCT	449310008	Mustela putorius furo (ferret)	L-88423	C0015859	727313
SCT	36571002	Oryctolagus cuniculus (European rabbit)	L-86B02	C0324889	180129
SCT	406733009	Callithrix jacchus (common marmoset)	L-001DE	C0006765	572915

Note

Codes that are now defined in SNOMED as "ambiguous" (conceptstatus = 4) were previously included in this table, but have been retired and replaced with unambiguous alternatives (e.g., (69986009, SCT, "Canine species") has been replaced with genus (388490000, SCT, "Canis"), species (36855005, SCT, "Canis lupus") and subspecies (448771007, SCT, "Canis lupus familiaris")). Note that in UMLS, there is a lack of distinction between "Canis familiaris" and "Canis lupus familiaris". The replaced codes are (30996001, SCT, "Homo sapiens"), (23826000, SCT, "Feline species"), (36295001, SCT, "Equine species), (36295001, SCT, "Ovine species"), (42018006, SCT, "Porcine species"), (68552000, SCT, "Caprine species"), (69986009, SCT, "Canine species") and (79058000, SCT, "Bovine species").

CID 7455 Sex

This Context Group includes terms for the finding of sex of a subject for clinical purposes, such as selection of sex-based growth metrics.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20040112**
UID: **1.2.840.10008.6.1.519**

Table CID 7455. Sex

Coding Scheme Designator	Code Value	Code Meaning	Patient's Sex (0010,0040) Equivalent
DCM	M	Male	M
DCM	F	Female	F
DCM	U	Unknown sex	
DCM	MP	Male Pseudohermaphrodite	
DCM	FP	Female Pseudohermaphrodite	
DCM	H	Hermaphrodite	
DCM	MC	Male changed to Female	
DCM	FC	Female changed to Male	
DCM	121104	Ambiguous sex	
DCM	121102	Other sex	
DCM	121103	Undetermined sex	O

Note

1. These terms are distinct from the gender of a subject for administrative purposes, although the default value for clinical sex is often based on the administrative gender (e.g., see TID 1007 “Subject Context, Patient”). The administrative value "O" from Patient's Sex (0010,0040) maps by default to "undetermined" for clinical purposes.

2. This Context Group in a prior edition of the Standard included codes improperly attributed to ISO 5218.

3. These terms are derived from the terminology and codes for sex in ASTM E1633-02a "Standard Specification for Coded Values Used in the Electronic Health Record."

CID 7456 Units of Measure for Age

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.520**

Table CID 7456. Units of Measure for Age

Coding Scheme Designator	Code Value	Code Meaning
UCUM	a	year
UCUM	mo	month
UCUM	wk	week
UCUM	d	day
UCUM	h	hour
UCUM	min	minute

CID 7457 Sex - Male Female or Both

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1067**

Table CID 7457. Sex - Male Female or Both

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	M	Male		
DCM	F	Female		
DCM	127146	Mixed sex		

CID 7460 Units of Linear Measurement

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.521**

Table CID 7460. Units of Linear Measurement

Coding Scheme Designator	Code Value	Code Meaning
UCUM	cm	centimeter
UCUM	mm	millimeter
UCUM	um	micrometer

CID 7461 Units of Area Measurement

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.522**

Table CID 7461. Units of Area Measurement

Coding Scheme Designator	Code Value	Code Meaning
UCUM	cm2	square centimeter
UCUM	mm2	square millimeter
UCUM	um2	square micrometer

CID 7462 Units of Volume Measurement

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20020904**
UID: **1.2.840.10008.6.1.523**

Table CID 7462. Units of Volume Measurement

Coding Scheme Designator	Code Value	Code Meaning
UCUM	dm3	cubic decimeter
UCUM	cm3	cubic centimeter
UCUM	mm3	cubic millimeter
UCUM	um3	cubic micrometer

Note

A "cubic decimeter" is a "liter", just as a "cubic centimeter" is a "milliliter" (of water). Though there are specific units "l" and "ml" in UCUM, only one form is included here, since this context group is intended for use for volume measurements of a physical object derived from one or more images, rather than of fluid volume.

CID 7464 General Region of Interest Measurement Modifiers

This context group contains modifiers of measurements of ROIs.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20121101**
UID: **1.2.840.10008.6.1.951**

Table CID 7464. General Region of Interest Measurement Modifiers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 3488 “Min/Max/Mean”				
SCT	386136009	Standard Deviation	R-10047	C0871420
SCT	255619001	Total	R-40507	C0439810
SCT	373099004	Median	R-00319	C1298795
SCT	373100007	Mode	R-0032E	C1298796
DCM	126031	Peak Value Within ROI		
UMLS	C0681921	Coefficient of Variance		C0681921
DCM	126051	Skewness		
DCM	126052	Kurtosis		
UMLS	C1711260	Variance		C1711260
UMLS	C2347976	Root Mean Square		C2347976

CID 7465 Measurements Derived From Multiple ROI Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20121101**
UID: **1.2.840.10008.6.1.952**

Table CID 7465. Measurements Derived From Multiple ROI Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 226 “Population Statistical Descriptors”		
Include CID 227 “Sample Statistical Descriptors”		

CID 7466 PET Region of Interest Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.999**

Table CID 7466. PET Region of Interest Measurements

Coding Scheme Designator	Code Value	Code Meaning
DCM	126032	Metabolic Volume
DCM	126033	Total Lesion Glycolysis
DCM	126034	Glycolysis
DCM	126035	Total Lesion Proliferation
DCM	126036	Proliferative Activity
DCM	126037	Standardized Added Metabolic Activity
DCM	126038	Standardized Added Metabolic Activity Background
DCM	126039	Lesion to Background SUV Ratio
DCM	126040	Background for Lesion to Background SUV Ratio

CID 7467 Gray Level Co-occurrence Matrix Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.1000**

Table CID 7467. Gray Level Co-occurrence Matrix Measurements

Coding Scheme Designator	Code Value	Code Meaning
IBSI	TU9B	Joint Entropy of GLCM
DCM	126061	Root Angular Second Moment of GLCM
IBSI	WF0Z	Inverse Difference Moment of GLCM
IBSI	ACUI	Contrast of GLCM
IBSI	8S9J	Dissimilarity of GLCM
IBSI	8ZQL	Angular Second Moment of GLCM
IBSI	NI2N	Correlation of GLCM
IBSI	GYBY	Joint Maximum of GLCM
IBSI	60VM	Joint Average of GLCM
IBSI	UR99	Joint Variance of GLCM
IBSI	TF7R	Difference Average of GLCM
IBSI	D3YU	Difference Variance of GLCM
IBSI	NTRS	Difference Entropy of GLCM

Coding Scheme Designator	Code Value	Code Meaning
IBSI	ZGXS	Sum Average of GLCM
IBSI	OEEB	Sum Variance of GLCM
IBSI	P6QZ	Sum Entropy of GLCM
IBSI	IB1Z	Inverse Difference of GLCM
IBSI	NDRX	Normalized Inverse Difference of GLCM
IBSI	1QCO	Normalized Inverse Difference Moment of GLCM
IBSI	E8JP	Inverse Variance of GLCM
IBSI	QWB0	Autocorrelation of GLCM
IBSI	DG8W	Cluster Tendency of GLCM
IBSI	7NFM	Cluster Shade of GLCM
IBSI	AE86	Cluster Prominence of GLCM
IBSI	R8DG	First Measure of Information Correlation of GLCM
IBSI	JN9H	Second Measure of Information Correlation of GLCM

CID 7468 Texture Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.1001**

Table CID 7468. Texture Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 7478 “Intensity Histogram Features”		
Include CID 7467 “Gray Level Co-occurrence Matrix Measurements”		
Include CID 7475 “Gray Level Run Length Based Features”		
Include CID 7476 “Gray Level Size Zone Based Features”		
Include CID 7479 “Grey Level Distance Zone Based Features”		
Include CID 7500 “Neighbourhood Grey Tone Difference Based Features”		
Include CID 7501 “Neighbouring Grey Level Dependence Based Features”		
DCM	126050	Fractal Dimension

CID 7469 Generic Intensity and Size Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.1003**

Table CID 7469. Generic Intensity and Size Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 7180 “Abstract Multi-dimensional Image Model Component Semantics”		
Include CID 7470 “Linear Measurements”		
Include CID 7471 “Area Measurements”		
Include CID 7472 “Volume Measurements”		

CID 7470 Linear Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.524**

Table CID 7470. Linear Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	410668003	Length	G-D7FE	C1444754
DCM	121211	Path length		
DCM	121206	Distance		
SCT	103355008	Width	G-A220	C0487742
SCT	131197000	Depth	G-D785	C0205125
SCT	81827009	Diameter	M-02550	C1301886
SCT	103339001	Long Axis	G-A185	C0522487
SCT	103340004	Short Axis	G-A186	C0522488
SCT	131187009	Major Axis	G-A193	C1295723
SCT	131188004	Minor Axis	G-A194	C1295724
SCT	131189007	Perpendicular Axis	G-A195	C1295725
SCT	131190003	Radius	G-A196	C1306504
SCT	131191004	Perimeter	G-A197	C1295726
SCT	74551000	Circumference	M-02560	C0332520
SCT	131192006	Diameter of circumscribed circle	G-A198	C1295727
DCM	121207	Height		
IBSI	L0JK	Maximum 3D Diameter of a Mesh		
IBSI	TDIC	Major Axis in 3D Length		
IBSI	P9VJ	Minor Axis in 3D Length		
IBSI	7J51	Least Axis in 3D Length		

CID 7471 Area Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.525**

Table CID 7471. Area Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	42798000	Area	G-A166	C0205146
SCT	131184002	Area of defined region	G-A16A	C1295720
IBSI	C0JK	Surface Area of Mesh		

CID 7472 Volume Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.526**

Table CID 7472. Volume Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	118565006	Volume	G-D705	C0449468
DCM	121216	Volume estimated from single 2D region		
DCM	121218	Volume estimated from two non-coplanar 2D regions		
DCM	121217	Volume estimated from three or more non-coplanar 2D regions		
DCM	121222	Volume of sphere		
DCM	121221	Volume of ellipsoid		
DCM	121220	Volume of circumscribed sphere		
DCM	121219	Volume of bounding three dimensional region		
IBSI	RNU0	Volume of Mesh		
IBSI	YEKZ	Volume from Voxel Summation		

CID 7473 General Area Calculation Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.527**

Table CID 7473. General Area Calculation Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	122501	Area of closed irregular polygon
DCM	122502	Area of a closed NURBS

CID 7474 General Volume Calculation Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.528**

Table CID 7474. General Volume Calculation Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	122503	Integration of sum of closed areas on contiguous slices
DCM	126030	Sum of segmented voxel volumes

CID 7475 Gray Level Run Length Based Features

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20190121**
UID: **1.2.840.10008.6.1.1199.xml**

Table CID 7475. Gray Level Run Length Based Features

Coding Scheme Designator	Code Value	Code Meaning
IBSI	22OV	Short Runs Emphasis
IBSI	W4KF	Long Runs Emphasis
IBSI	V3SW	Low Gray Level Run Emphasis
IBSI	G3QZ	High Gray Level Run Emphasis
IBSI	HTZT	Short Run Low Gray Level Emphasis
IBSI	GD3A	Short Run High Gray Level Emphasis
IBSI	IVPO	Long Run Low Gray Level Emphasis
IBSI	3KUM	Long Run High Gray Level Emphasis
IBSI	R5YN	Gray Level Nonuniformity in Runs
IBSI	OVBL	Normalized Gray Level Nonuniformity in Runs
IBSI	W92Y	Run Length Nonuniformity
IBSI	IC23	Normalized Run Length Nonuniformity
IBSI	9ZK5	Run Percentage
IBSI	8CE5	Gray Level Variance in Runs
IBSI	SXLW	Run Length Variance
IBSI	HJ9O	Run Entropy

CID 7476 Gray Level Size Zone Based Features

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.1200.xml**

Table CID 7476. Gray Level Size Zone Based Features

Coding Scheme Designator	Code Value	Code Meaning
IBSI	5QRC	Small Zone Emphasis
IBSI	48P8	Large Zone Emphasis
IBSI	XMSY	Low Gray Level Zone Emphasis
IBSI	5GN9	High Gray Level Zone Emphasis
IBSI	5RAI	Small Zone Low Gray Level Emphasis
IBSI	HW1V	Small Zone High Gray Level Emphasis
IBSI	YH51	Large Zone Low Gray Level Emphasis
IBSI	J17V	Large Zone High Gray Level Emphasis
IBSI	JNSA	Gray Level Nonuniformity of Size Zone Counts
IBSI	Y1RO	Normalized Gray Level Nonuniformity of Size Zone Counts
IBSI	4JP3	Zone Size Nonuniformity
IBSI	VB3A	Normalized Zone Size Nonuniformity
IBSI	P30P	Size Zone Percentage
IBSI	BYLV	Gray Level Variance in Size Zones

Coding Scheme Designator	Code Value	Code Meaning
IBSI	3NSA	Zone Size Variance
IBSI	GU8N	Zone Size Entropy

CID 7477 Global Shape Descriptors

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.1270**

These features are categorized in [IBSI Features] as "Morphology".

Table CID 7477. Global Shape Descriptors

Coding Scheme Designator	Code Value	Code Meaning
IBSI	RNU0	Volume of Mesh
IBSI	YEKZ	Volume from Voxel Summation
IBSI	C0JK	Surface Area of Mesh
IBSI	2PR5	Surface to Volume Ratio
IBSI	SKGS	Compactness 1
IBSI	BQWJ	Compactness 2
IBSI	KRCK	Spherical Disproportion
IBSI	QCFX	Sphericity
IBSI	25C7	Asphericity
IBSI	KLMA	Centre of Mass Shift
IBSI	L0JK	Maximum 3D Diameter of a Mesh
IBSI	TDIC	Major Axis in 3D Length
IBSI	P9VJ	Minor Axis in 3D Length
IBSI	7J51	Least Axis in 3D Length
IBSI	Q3CK	Elongation
IBSI	N17B	Flatness
IBSI	PBX1	Volume Density in Frame of Reference Axis Aligned Bounding Box
IBSI	R59B	Area Density in Frame of Reference Axis Aligned Bounding Box
IBSI	ZH1A	Volume Density in Oriented Minimum Bounding Box
IBSI	IQYR	Area Density in Oriented Minimum Bounding Box
IBSI	6BDE	Volume Density in Approximate Enclosing Ellipsoid
IBSI	RDD2	Area Density in Approximate Enclosing Ellipsoid
IBSI	SWZ1	Volume Density in Minimum Volume Enclosing Ellipsoid
IBSI	BRI8	Area Density in Minimum Volume Enclosing Ellipsoid
IBSI	R3ER	Volume Density in Convex Hull
IBSI	7T7F	Area Density in Convex Hull
IBSI	99N0	Integrated Intensity
IBSI	N365	Moran's I Index
IBSI	NPT7	Geary's C Measure

CID 7478 Intensity Histogram Features

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.1271**

Table CID 7478. Intensity Histogram Features

Coding Scheme Designator	Code Value	Code Meaning
IBSI	X6K6	Intensity Histogram Mean
IBSI	CH89	Intensity Histogram Variance
IBSI	88K1	Intensity Histogram Skewness
IBSI	C3I7	Intensity Histogram Kurtosis
IBSI	WIFQ	Intensity Histogram Median
IBSI	1PR8	Intensity Histogram Minimum Gray Level
IBSI	GPMT	Intensity Histogram 10th Percentile
IBSI	OZ0C	Intensity Histogram 90th Percentile
IBSI	3NCY	Intensity Histogram Maximum Gray Level
IBSI	AMMC	Intensity Histogram Mode
IBSI	WR0O	Intensity Histogram Interquartile Range
IBSI	5Z3W	Intensity Histogram Range
IBSI	D2ZX	Intensity Histogram Mean Absolute Deviation
IBSI	WRZB	Intensity Histogram Robust Mean Absolute Deviation
IBSI	4RNL	Intensity Histogram Median Absolute Deviation
IBSI	CWYJ	Intensity Histogram Coefficient of Variation
IBSI	SLWD	Intensity Histogram Quartile Coefficient of Dispersion
IBSI	TLU2	Intensity Histogram Entropy
IBSI	BJ5W	Intensity Histogram Uniformity
IBSI	12CE	Intensity Histogram Maximum Gradient
IBSI	8E6O	Intensity Histogram Maximum Gradient Gray Level
IBSI	VQB3	Intensity Histogram Minimum Gradient
IBSI	RHQZ	Intensity Histogram Minimum Gradient Gray Level

CID 7479 Grey Level Distance Zone Based Features

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.1272**

Table CID 7479. Grey Level Distance Zone Based Features

Coding Scheme Designator	Code Value	Code Meaning
IBSI	0GBI	Small Distance Emphasis
IBSI	MB4I	Large Distance Emphasis
IBSI	S1RA	Low Grey Level Zone Emphasis
IBSI	K26C	High Grey Level Zone Emphasis

Coding Scheme Designator	Code Value	Code Meaning
IBSI	RUVG	Small Distance Low Grey Level Emphasis
IBSI	DKNJ	Small Distance High Grey Level Emphasis
IBSI	A7WM	Large Distance Low Grey Level Emphasis
IBSI	KLTH	Large Distance High Grey Level Emphasis
IBSI	VFT7	Grey Level Non-uniformity of Distance Zone Counts
IBSI	7HP3	Normalized Grey Level Non-uniformity of Distance Zone Counts
IBSI	V294	Zone Distance Non-uniformity
IBSI	IATH	Normalized Zone Distance Non-uniformity
IBSI	VIWW	Distance Zone Percentage
IBSI	QK93	Grey Level Variance in Distance Zones
IBSI	7WT1	Zone Distance Variance
IBSI	GBDU	Zone Distance Entropy

CID 7480 Breed

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.529**

Table CID 7480. Breed

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 7486 “Mixed Breeds”				
SCT	125074003	Hereford cattle superbreed	L-80139	C0324066
SCT	125101009	Merino sheep superbreed	L-8C338	C1265459
SCT	131426006	Africander cattle breed	L-80121	C1269178
SCT	131427002	Ankole cattle breed	L-80122	C1295943
SCT	131428007	Ankole-Watusi cattle breed	L-80123	C1295944
SCT	131429004	Baladicattle cattle breed	L-80124	C1295945
SCT	131430009	Belmont Red cattle breed	L-80125	C1295946
SCT	131431008	Bonsmara cattle breed	L-80126	C1295947
SCT	131432001	Damietta cattle breed	L-80127	C1295948
SCT	131433006	Horro cattle breed	L-80128	C1295949
SCT	131434000	Kuri cattle breed	L-80129	C1295950
SCT	131435004	Nguni cattle breed	L-8012A	C1295951
SCT	131436003	Philippine Native cattle breed	L-8012B	C1269179
SCT	131437007	Romagnola cattle breed	L-8012C	C1295952
SCT	131438002	Sanhe cattle breed	L-8012E	C1295953
SCT	131439005	Tswana cattle breed	L-8012F	C1295954
SCT	131440007	Tuli cattle breed	L-80138	C1295955
SCT	131441006	Aliab Dinka cattle breed	L-8013A	C1295956
SCT	131442004	Alur cattle breed	L-8013B	C1295957
SCT	131443009	Ankina cattle breed	L-8013C	C1295958

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131444003	Apulian Podolian cattle breed	L-8013D	C1295959
SCT	131445002	Arado cattle breed	L-8013E	C1269180
SCT	131446001	Aweil Dinka cattle breed	L-8013F	C1295960
SCT	131447005	Bahima cattle breed	L-8014C	C1295961
SCT	131448000	Bapedi cattle breed	L-8014D	C1295962
SCT	131449008	Baria (Vietnam/Madagascar) cattle breed	L-8014E	C1295963
SCT	131450008	Barotse cattle breed	L-8014F	C1295964
SCT	131451007	Barra do Cuanzo cattle breed	L-8015A	C1295965
SCT	131452000	Bashi cattle breed	L-8015B	C1295966
SCT	131453005	Basuto cattle breed	L-8015C	C1295967
SCT	131454004	Batangas cattle breed	L-8015D	C1295968
SCT	131455003	Bavenda cattle breed	L-8015E	C1295969
SCT	131456002	Beja cattle breed	L-8015F	C1295970
SCT	131457006	Calabrian cattle breed	L-80161	C1295971
SCT	131458001	Blonde-du Cap Bon cattle breed	L-80162	C1295972
SCT	131459009	Cham-Doc cattle breed	L-80163	C1295973
SCT	131460004	Chernigov cattle breed	L-80164	C1295974
SCT	131461000	Chino Santandereano cattle breed	L-80165	C1295975
SCT	131462007	Cinisara cattle breed	L-80166	C1295976
SCT	131463002	Cuprem Hybrid cattle breed	L-80167	C1295977
SCT	131464008	Dabieshan cattle breed	L-80168	C1295978
SCT	131465009	Damara cattle breed	L-80169	C1295979
SCT	131466005	Danakil cattle breed	L-8016A	C1295980
SCT	131467001	Dnieper cattle breed	L-8016B	C1295981
SCT	131468006	Doayo cattle breed	L-8016C	C1295982
SCT	131469003	Eastern Nuer cattle breed	L-8016D	C1269181
SCT	131470002	Egyptian cattle breed	L-8016E	C1295983
SCT	131471003	Fogera cattle breed	L-8016F	C1295984
SCT	131472005	Garfagnina cattle breed	L-80177	C1295985
SCT	131473000	Grati cattle breed	L-80178	C1295986
SCT	131474006	Gaunling cattle breed	L-80179	C1295987
SCT	131475007	Halhin Gol cattle breed	L-8017A	C1295988
SCT	131476008	Holmonger cattle breed	L-8017B	C1295989
SCT	131477004	Ilocos cattle breed	L-8017C	C1295990
SCT	131478009	Iloilo cattle breed	L-8017D	C1295991
SCT	131479001	Inkuku cattle breed	L-8017E	C1295992
SCT	131480003	Iskar cattle breed	L-8017F	C1295993
SCT	131481004	Istrian cattle breed	L-80180	C1295994
SCT	131482006	Javanese Ongole cattle breed	L-80181	C1269182
SCT	131483001	Javanese Zebu cattle breed	L-80182	C1269183

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131484007	Jinnan cattle breed	L-80183	C1295995
SCT	131485008	Kalmyk cattle breed	L-80184	C1295996
SCT	131486009	Kaokoveld cattle breed	L-80185	C1295997
SCT	131487000	Kazakh Whitehead cattle breed	L-80186	C1295998
SCT	131488005	Kedah-Kelantan cattle breed	L-80187	C1295999
SCT	131489002	Kigezi cattle breed	L-80188	C1296000
SCT	131490006	Kisantu cattle breed	L-80189	C1296001
SCT	131491005	Kolubara cattle breed	L-8018A	C1296002
SCT	131492003	Kurgan cattle breed	L-8018B	C1296003
SCT	131493008	Kyoga cattle breed	L-8018C	C1296004
SCT	131494002	Lucanian cattle breed	L-8018D	C1296005
SCT	131495001	Maremmana cattle breed	L-8018E	C1296006
SCT	131496000	Marianas cattle breed	L-8018F	C1296007
SCT	131497009	Maryuti cattle breed	L-80190	C1296008
SCT	131498004	Mauritius Creole cattle breed	L-80191	C1296009
SCT	131499007	Menufi cattle breed	L-80192	C1296010
SCT	131500003	Mezzalina cattle breed	L-80193	C1296011
SCT	131501004	Modicana cattle breed	L-80194	C1296012
SCT	131502006	Moi cattle breed	L-80195	C1296013
SCT	131503001	Nama cattle breed	L-80196	C1296014
SCT	131504007	Nanyang cattle breed	L-80197	C1296015
SCT	131505008	N'Dama Sanga cattle breed	L-80198	C1296016
SCT	131506009	Nganda cattle breed	L-80199	C1296017
SCT	131507000	Nilotic Sanga cattle breed	L-8019A	C1296018
SCT	131508005	Nkone cattle breed	L-8019B	C1296019
SCT	131509002	North Malawi Angoni cattle breed	L-8019C	C1269184
SCT	131510007	Nuer cattle breed	L-8019D	C1296020
SCT	131511006	Nuras cattle breed	L-8019E	C1296021
SCT	131512004	Nyoro cattle breed	L-8019F	C1296022
SCT	131513009	Ovambo cattle breed	L-801A0	C1296023
SCT	131514003	Pantelleria cattle breed	L-801A1	C1296024
SCT	131515002	Pinzhou cattle breed	L-801A2	C1296025
SCT	131516001	Porto Amboim cattle breed	L-801A3	C1296026
SCT	131517005	Posavina cattle breed	L-801A4	C1296027
SCT	131518000	Romanian Steppe cattle breed	L-801A5	C1269185
SCT	131519008	Saidi cattle breed	L-801A6	C1296028
SCT	131520002	Sardo-Modicana cattle breed	L-801A7	C1296029
SCT	131521003	Sengologa cattle breed	L-801A8	C1296030
SCT	131522005	Serere cattle breed	L-801A9	C1296031
SCT	131523000	Seshaga cattle breed	L-801AA	C1296032
SCT	131524006	Siberian Black Pied cattle breed	L-801AB	C1269186

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131525007	Socotra cattle breed	L-801AC	C1296033
SCT	131526008	Southern Tswana cattle breed	L-801AD	C1269187
SCT	131527004	Spreca cattle breed	L-801AE	C1296034
SCT	131528009	Sunkuma cattle breed	L-801AF	C1296035
SCT	131529001	Taiwan Zebu cattle breed	L-801B0	C1269188
SCT	131530006	Thai cattle breed	L-801B1	C1296036
SCT	131531005	Thailand Fighting Zebu cattle breed	L-801B2	C1269189
SCT	131532003	Thanh-Hoa cattle breed	L-801B3	C1296037
SCT	131533008	Tibetan cattle breed	L-801B4	C1296038
SCT	131534002	Tonga cattle breed	L-801B5	C1296039
SCT	131535001	Toro cattle breed	L-801B6	C1269190
SCT	131536000	Tuni cattle breed	L-801B7	C1296040
SCT	131537009	Turkish Gray Steppe cattle breed	L-801B8	C1269191
SCT	131538004	Tuy-Hoa cattle breed	L-801B9	C1296041
SCT	131539007	Ujumqin cattle breed	L-801BA	C1296042
SCT	131540009	Abigar cattle breed	L-801BB	C1296043
SCT	131541008	Africangnus cattle breed	L-801BC	C1269101
SCT	131542001	Agerolese cattle breed	L-801BD	C1269102
SCT	131543006	Albese cattle breed	L-801BE	C1269103
SCT	131544000	Ukrainian Gray cattle breed	L-801BF	C1269104
SCT	131545004	Vietnamese Yellow cattle breed	L-801C0	C1269105
SCT	131546003	Watusi (USA) cattle breed	L-801C1	C1296044
SCT	131547007	Wenshan cattle breed	L-801C2	C1296045
SCT	131548002	Yakut cattle breed	L-801C3	C1296046
SCT	131549005	Yunnan Zebu cattle breed	L-801C4	C1269106
SCT	131550005	Zambia Angoni cattle breed	L-801C5	C1269107
SCT	131551009	Drakensberger cattle breed	L-801C6	C1296047
SCT	131552002	Modicana lowland cattle breed	L-801C7	C1269108
SCT	131553007	Taiwan Yellow cattle breed	L-801C8	C1269109
SCT	131554001	Menggu cattle breed	L-801C9	C1296048
SCT	131555000	Albères cattlebreed	L-801CA	C1321436
SCT	131556004	Alentejana cattlebreed	L-801CB	C1296049
SCT	131557008	American White Park cattle breed	L-801CC	C1269110
SCT	131558003	Amerifaxcattle breed	L-801CD	C1296050
SCT	131559006	Anatolian Black cattle breed	L-801CE	C1269111
SCT	131560001	Andalusian Black cattle breed	L-801CF	C1269112
SCT	131561002	Andalusian Gray cattle breed	L-801D0	C1269113
SCT	131562009	Angeln cattle breed	L-801D1	C1296051
SCT	131563004	Asturian Mountain cattle breed	L-801D2	C1269114
SCT	131564005	Asturian Valley cattle breed	L-801D3	C1269115
SCT	131565006	Aubrac cattle breed	L-801D4	C1296052

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131566007	Aulie-Ata cattle breed	L-801D5	C1296053
SCT	131567003	Australian Lowline cattle breed	L-801D6	C1269116
SCT	131568008	Barzona cattle breed	L-801D7	C1296054
SCT	131569000	Bazadais cattle breed	L-801D8	C1296055
SCT	131570004	Beefmaker cattle breed	L-801D9	C1269117
SCT	131571000	Belarus Red cattle breed	L-801DA	C1269118
SCT	131572007	Belgian Blue cattle breed	L-801DB	C1269119
SCT	131573002	Belgian Red cattle breed	L-801DC	C1269120
SCT	131574008	Belmont Adaptaur cattle breed	L-801DD	C1269121
SCT	131575009	Berrendas cattle breed	L-801DE	C1269122
SCT	131576005	Blacksided Trondheim and Norland cattle breed	L-801DF	C1269123
SCT	131577001	Blanco Orejinegro cattle breed	L-801E0	C1296056
SCT	131578006	Braunvieh cattle breed	L-801E1	C1296057
SCT	131579003	British White cattle breed	L-801E2	C1269124
SCT	131580000	Cachena cattle breed	L-801E3	C1296058
SCT	131581001	Canary Island cattle breed	L-801E4	C1269125
SCT	131582008	Carinthian Blond cattle breed	L-801E5	C1269126
SCT	131583003	Caucasian cattle breed	L-801E6	C1269127
SCT	131584009	Charolais cattle breed	L-801E7	C1296059
SCT	131585005	Chinese Black-and-White cattle breed	L-801EA	C1269128
SCT	131586006	Corriente cattle breed	L-801EB	C1269129
SCT	131587002	Costeño con Cuernos cattle breed	L-801EC	C1321437
SCT	131588007	Damascus cattle breed	L-801ED	C1269130
SCT	131589004	Danish Red cattle breed	L-801EE	C1269131
SCT	131590008	Devon cattle breed	L-801EF	C0175926
SCT	131591007	Dølafe cattle breed	L-801F0	C1321438
SCT	131592000	Dutch Belted cattle breed	L-801F1	C1269132
SCT	131593005	Dutch Friesian cattle breed	L-801F2	C1269133
SCT	131594004	English Longhorn cattle breed	L-801F3	C1269134
SCT	131595003	Estonian Red cattle breed	L-801F4	C1269135
SCT	131596002	Evolène cattle breed	L-801F5	C1321439
SCT	131597006	Fighting Bull cattle breed	L-801F6	C1269136
SCT	131598001	Fjall cattle breed	L-801F7	C1296060
SCT	131599009	Florida Cracker/Pineywoods cattle breed	L-801F8	C1269137
SCT	131600007	Galician Blond cattle breed	L-801F9	C1269138
SCT	131601006	Gascon cattle breed	L-801FA	C1269139
SCT	131602004	German Red Pied cattle breed	L-801FB	C1269140
SCT	131603009	Glan cattle breed	L-801FC	C1296061
SCT	131604003	Gloucester cattle breed	L-801FD	C1296062

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131605002	Groningen Whiteheaded cattle breed	L-801FE	C1296063
SCT	131606001	Hartón cattle breed	L-801FF	C1321440
SCT	131699001	Bündner Oberland sheep breed	L-8031A	C1321446
SCT	131700000	British Milk Sheep breed	L-8031B	C1296127
SCT	131701001	Brillenschaf sheep breed	L-8031C	C1296128
SCT	131702008	Brecknock Hill Cheviot sheep breed	L-8031D	C1296129
SCT	131703003	Cholistani sheep breed	L-8031E	C1296130
SCT	131704009	Bibrik sheep breed	L-8031F	C1296131
SCT	131705005	Columbia sheep breed	L-8032A	C1296132
SCT	131706006	Black Welsh Mountain Sheep breed	L-8032B	C1269165
SCT	131707002	Blackhead Persian sheep breed	L-8032C	C1269166
SCT	131708007	Bleu du Maine sheep breed	L-8032D	C1296133
SCT	131709004	Bluefaced Leicester sheep breed	L-8032E	C1269167
SCT	131710009	Bond sheep breed	L-8032F	C1296134
SCT	131711008	Border Leicester sheep breed	L-8033A	C1269168
SCT	131712001	Boreray sheep breed	L-8033B	C1296135
SCT	131713006	Bovska sheep breed	L-8033C	C1296136
SCT	131714000	Braunes Bergschaf sheep breed	L-8033D	C1296137
SCT	131715004	Brazilian Somali sheep breed	L-8033E	C1269169
SCT	131716003	Beulah Speckled-Face sheep breed	L-8033F	C1269170
SCT	131717007	Dartmoor sheep breed	L-8034A	C1296138
SCT	131718002	Fabrianese sheep breed	L-8034B	C1269171
SCT	131719005	Exmoor Horn sheep breed	L-8034C	C1296139
SCT	131720004	Elliottdale sheep breed	L-8034D	C1296140
SCT	131721000	Drysdale sheep breed	L-8034E	C1296141
SCT	131722007	Dorset Down sheep breed	L-8034F	C1296142
SCT	131723002	German Blackheaded Mutton sheep breed	L-80351	C1296143
SCT	131724008	Kooka sheep breed	L-80352	C1296144
SCT	131725009	Friesian Milk Sheep breed	L-80353	C1296145
SCT	131726005	Gansu Alpine Fine-wool sheep breed	L-80354	C1296146
SCT	131727001	German Whiteheaded Mutton sheep breed	L-80355	C1296147
SCT	131728006	Graue Gehoernte Heidschnucke sheep breed	L-80356	C1296148
SCT	131729003	Han sheep breed	L-80357	C1296149
SCT	131730008	Gromark sheep breed	L-80358	C1296150
SCT	131731007	Gulf Coast Native sheep breed	L-80359	C1296151
SCT	131732000	Dorper sheep breed	L-8035A	C1296152
SCT	131733005	Devon Closewool sheep breed	L-8035B	C1296153
SCT	131734004	Deutsches Blaukoepfiges Fleischschaf sheep breed	L-8035C	C1296154

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131735003	Derbyshire Gritstone sheep breed	L-8035D	C1296155
SCT	131736002	Coburger Fuchsschaf sheep breed	L-8035E	C1296156
SCT	131737006	Danish Landrace sheep breed	L-8035F	C1296157
SCT	131738001	Gute sheep breed	L-80360	C1296158
SCT	131739009	Hampshire sheep breed	L-80361	C1296159
SCT	131740006	Gentile di Puglia sheep breed	L-80362	C1296160
SCT	131741005	German Mountain sheep breed	L-80363	C1296161
SCT	131742003	Luzein sheep breed	L-80364	C1296162
SCT	131743008	Katahdin sheep breed	L-80365	C1296163
SCT	131744002	Leineschaf sheep breed	L-80366	C1296164
SCT	131745001	Lincoln Longwool sheep breed	L-80367	C1296165
SCT	131746000	Llanwenog sheep breed	L-80368	C1296166
SCT	131747009	Lleyn sheep breed	L-80369	C1296167
SCT	131748004	Damara sheep breed	L-8036A	C1296168
SCT	131749007	Damani sheep breed	L-8036B	C1296169
SCT	131750007	Dalesbred sheep breed	L-8036C	C1296170
SCT	131751006	Dala sheep breed	L-8036D	C1296171
SCT	131752004	Criollo sheep breed	L-8036E	C1296172
SCT	131753009	Cormo sheep breed	L-8036F	C1296173
SCT	131754003	Lati sheep breed	L-80370	C1296174
SCT	131755002	Lonk sheep breed	L-80371	C1296175
SCT	131756001	Langhe sheep breed	L-80372	C1296176
SCT	131757005	Manx Loaghtan sheep breed	L-80373	C1296177
SCT	131758000	Masai sheep breed	L-80374	C1296178
SCT	131759008	Merinolandschaf sheep breed	L-80375	C1296179
SCT	131760003	Lohi sheep breed	L-80376	C1296180
SCT	131761004	Ile-de-France sheep breed	L-80377	C1296181
SCT	131762006	Hasht Nagri sheep breed	L-80378	C1296182
SCT	131763001	Hazaragie sheep breed	L-80379	C1296183
SCT	131764007	Coopworth sheep breed	L-8037A	C1296184
SCT	131765008	Comisana sheep breed	L-8037B	C1296185
SCT	131766009	Comeback sheep breed	L-8037C	C1296186
SCT	131767000	Sicilian Barbary sheep breed	L-8037D	C1296187
SCT	131768005	Africana sheep breed	L-8037E	C1296188
SCT	131769002	Welsh Mountain Badger Faced sheep breed	L-8037F	C1296189
SCT	131770001	Hebridean sheep breed	L-80380	C1296190
SCT	131771002	Heidschnucke sheep breed	L-80381	C1296191
SCT	131772009	Herdwick sheep breed	L-80382	C1296192
SCT	131773004	Hill Radnor sheep breed	L-80383	C1296193
SCT	131774005	Icelandic sheep breed	L-80384	C1296194

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131775006	Harnai sheep breed	L-80385	C1296195
SCT	131776007	Istrian Pramenka sheep breed	L-80386	C1296196
SCT	131777003	Jacob sheep breed	L-80387	C1296197
SCT	131778008	Jezerskosolcavska sheep breed	L-80388	C1296198
SCT	131779000	Kachhi sheep breed	L-80389	C1296199
SCT	131780002	Wensleydale sheep breed	L-8038A	C1296200
SCT	131781003	West African Dwarf sheep breed	L-8038B	C1296201
SCT	131782005	White Suffolk sheep breed	L-8038C	C1296202
SCT	131783000	Whiteface Dartmoor sheep breed	L-8038D	C1296203
SCT	131784006	Whiteface Woodland sheep breed	L-8038E	C1296204
SCT	131785007	Xinjiang Finewool sheep breed	L-8038F	C1296205
SCT	131786008	Kajli sheep breed	L-80390	C1296206
SCT	131787004	Hog Island Sheep breed	L-80391	C1296207
SCT	131788009	Biellese sheep breed	L-80392	C1296208
SCT	131789001	Chios sheep breed	L-80393	C1296209
SCT	131790005	Santa Cruz sheep breed	L-80394	C1296210
SCT	131791009	Charollais sheep breed	L-80395	C1296211
SCT	131792002	Castlemilk Moorit sheep breed	L-80396	C1296212
SCT	131793007	Campanian Barbary sheep breed	L-80397	C1296213
SCT	131794001	California Variegated Mutant sheep breed	L-80398	C1296214
SCT	131795000	California Red sheep breed	L-80399	C1296215
SCT	131796004	Sopravissana sheep breed	L-8039A	C1296216
SCT	131797008	Somali sheep breed	L-8039B	C1296217
SCT	131798003	Welsh Hill Speckled Face sheep breed	L-8039C	C1296218
SCT	131799006	Skudde sheep breed	L-8039D	C1296219
SCT	131800005	Waziri sheep breed	L-8039E	C1296220
SCT	131801009	Shetland sheep breed	L-8039F	C1296221
SCT	131802002	Cambridge sheep breed	L-80403	C1296222
SCT	131803007	Solognote sheep breed	L-80404	C1296223
SCT	131804001	Colombian Criollo horse breed	L-8040A	C1296224
SCT	131805000	Comtois horse breed	L-8040B	C1296225
SCT	131806004	Corsican horse breed	L-8040C	C1296226
SCT	131807008	Costa Rican Saddle Horse horse breed	L-8040D	C1296227
SCT	131808003	Costeno horse breed	L-8040E	C1296228
SCT	131809006	Cuban Paso horse breed	L-8040F	C1296229
SCT	131816007	Rough Fell sheep breed	L-80420	C1296236
SCT	131819000	Danish Warmblood horse breed	L-8042D	C1296239
SCT	131822003	Swaledale sheep breed	L-80432	C1296242
SCT	131823008	Polypay sheep breed	L-80434	C1296243

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131830002	Pagliarola sheep breed	L-80441	C1296250
SCT	131831003	Pomeranian Coarsewool sheep breed	L-80442	C1296251
SCT	131832005	Sheep, Breed Undetermined sheep breed	L-80443	C1296252
SCT	131833000	Orkney sheep breed	L-80444	C1296253
SCT	131834006	Old Norwegian sheep breed	L-80445	C1296254
SCT	131835007	Old Format Sheep breed	L-80446	C1296255
SCT	131836008	Norwegian Fur sheep breed	L-80447	C1296256
SCT	131837004	Norfolk Horn sheep breed	L-80448	C1296257
SCT	131838009	Navajo-Churro sheep breed	L-80449	C1296258
SCT	131851004	Racka sheep breed	L-80466	C1296270
SCT	131852006	Rasa Aragonesa sheep breed	L-80467	C1296271
SCT	131853001	Red Engadine sheep breed	L-80468	C1296272
SCT	131854007	Rhoenschaf sheep breed	L-80469	C1296273
SCT	131861006	Hucul horse breed	L-80470	C1296279
SCT	131862004	AraAppaloosa horse breed	L-80471	C1296280
SCT	131863009	Argentine Criollo horse breed	L-80472	C1296281
SCT	131864003	Argentine Polo Pony horse breed	L-80473	C1296282
SCT	131865002	Australian Pony horse breed	L-80474	C1296283
SCT	131866001	Auxois horse breed	L-80475	C1296284
SCT	131867005	Avelignese horse breed	L-80476	C1296285
SCT	131868000	Azerbaijan horse breed	L-80477	C1296286
SCT	131869008	Azores horse breed	L-80478	C1296287
SCT	131870009	Bali horse breed	L-80479	C1296288
SCT	131871008	Balikun horse breed	L-8047A	C1296289
SCT	131872001	Waziri horse breed	L-8047B	C1296290
SCT	131873006	Banker Horse horse breed	L-8047C	C1296291
SCT	131874000	Bardigiano horse breed	L-8047D	C1296292
SCT	131875004	Batak horse breed	L-8047E	C1296293
SCT	131876003	Bavarian Warmblood horse breed	L-8047F	C1296294
SCT	131877007	Belgian Ardennais horse breed	L-80480	C1296295
SCT	131878002	Belgian Halfblood horse breed	L-80481	C1296296
SCT	131879005	Belgian Warmblood horse breed	L-80482	C1296297
SCT	131880008	Bhutia horse breed	L-80483	C1296298
SCT	131881007	Black Sea Horse horse breed	L-80484	C1296299
SCT	131882000	Bosnian horse breed	L-80485	C1296300
SCT	131883005	Boulonnais horse breed	L-80486	C1296301
SCT	131884004	Brandenburg horse breed	L-80487	C1296302
SCT	131885003	Brazilian Sport Horse horse breed	L-80488	C1296303
SCT	131886002	British Appaloosa horse breed	L-80489	C1296304

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131887006	British Riding Pony horse breed	L-8048A	C1296305
SCT	131888001	British Spotted Pony horse breed	L-8048B	C1296306
SCT	131889009	Buohai horse breed	L-8048C	C1296307
SCT	131890000	Buryat horse breed	L-8048D	C1296308
SCT	131891001	Calabrian horse breed	L-8048E	C1296309
SCT	131892008	Camargue horse breed	L-8048F	C1320152
SCT	131893003	Canadian Cutting Horse horse breed	L-80490	C1296310
SCT	131894009	Canadian Rustic Pony horse breed	L-80491	C1296311
SCT	131895005	Canadian Sport Horse horse breed	L-80492	C1296312
SCT	131896006	Canik horse breed	L-80493	C1296313
SCT	131897002	Cape Horse horse breed	L-80494	C1296314
SCT	131898007	Cerbat horse breed	L-80496	C1296315
SCT	131899004	Chakouyi horse breed	L-80497	C1296316
SCT	131900009	Chara Horse horse breed	L-80498	C1296317
SCT	131901008	Chickasaw horse breed	L-80499	C1296318
SCT	131902001	Chilote horse breed	L-8049A	C1296319
SCT	131903006	Chinese Kazakh horse breed	L-8049B	C1296320
SCT	131904000	Chinese Mongolian horse breed	L-8049C	C1296321
SCT	131905004	Chumbivilcas horse breed	L-8049D	C1296322
SCT	131906003	Chumysh horse breed	L-8049E	C1296323
SCT	131907007	Cirit horse breed	L-8049F	C1296324
SCT	131908002	Irish Draft horse breed	L-804A1	C1296325
SCT	131909005	Irish Hunter horse breed	L-804A2	C1296326
SCT	131910000	Cuban Trotter horse breed	L-804A3	C1296327
SCT	131911001	Italian Heavy Draft horse breed	L-804A4	C1296328
SCT	131912008	Jabe horse breed	L-804A5	C1296329
SCT	131913003	Java horse breed	L-804A6	C1296330
SCT	131914009	Vendéen sheep breed	L-804A7	C1321447
SCT	131915005	Czech Warmblood horse breed	L-804A8	C1296331
SCT	131916006	Jinhong horse breed	L-804A9	C1296332
SCT	131917002	Jinzhou horse breed	L-804AA	C1296333
SCT	131919004	Danubian horse breed	L-804AC	C1296335
SCT	131920005	Karachai horse breed	L-804AD	C1296336
SCT	131921009	Karakacan horse breed	L-804AE	C1296337
SCT	131922002	Kathiawari horse breed	L-804AF	C1296338
SCT	131923007	Ke-Er-Qin horse breed	L-804B1	C1296339
SCT	131924001	Kirgiz horse breed	L-804B2	C1296340
SCT	131925000	Kuznet horse breed	L-804B3	C1296341
SCT	131926004	Landais horse breed	L-804B4	C1296342
SCT	131927008	Lewitzer horse breed	L-804B5	C1296343
SCT	131928003	Lichuan horse breed	L-804B6	C1296344

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131929006	Lijiang horse breed	L-804B7	C1296345
SCT	131930001	Llanero horse breed	L-804B8	C1296346
SCT	131931002	Lombok horse breed	L-804B9	C1296347
SCT	131932009	Lundy Pony horse breed	L-804BA	C1296348
SCT	131933004	Malakan horse breed	L-804BB	C1296349
SCT	131934005	Malopolski horse breed	L-804BC	C1296350
SCT	131935006	Datong horse breed	L-804BD	C1296351
SCT	131936007	Mangalarga Paulista horse breed	L-804BE	C1296352
SCT	131937003	Dulmen Pony horse breed	L-804BF	C1296353
SCT	131938008	Maremmana horse breed	L-804C1	C1296354
SCT	131939000	Marwari horse breed	L-804C2	C1296355
SCT	131940003	Megezh horse breed	L-804C3	C1296356
SCT	131941004	Megrel horse breed	L-804C4	C1296357
SCT	131942006	Merens horse breed	L-804C5	C1296358
SCT	131943001	Messara horse breed	L-804C6	C1296359
SCT	131944007	Sumba horse breed	L-804C7	C1296360
SCT	131945008	Sumbawa horse breed	L-804C8	C1296361
SCT	131946009	Swedish Ardennes horse breed	L-804C9	C1296362
SCT	131947000	Dutch Tuigpaard horse breed	L-804CA	C1296363
SCT	131948005	East and Southeast Anadolu horse breed	L-804CB	C1296364
SCT	131949002	Thai Pony horse breed	L-804CC	C1296365
SCT	131950002	Thessalonian horse breed	L-804CD	C1296366
SCT	131951003	Tibetan horse breed	L-804CE	C1296367
SCT	131952005	Tieling horse breed	L-804CF	C1296368
SCT	131953000	Timor horse breed	L-804D1	C1296369
SCT	131954006	Trakya horse breed	L-804D2	C1296370
SCT	131955007	Trote en Gallope horse breed	L-804D3	C1296371
SCT	131956008	Turkoman horse breed	L-804D4	C1296372
SCT	131957004	Tushin horse breed	L-804D5	C1296373
SCT	131958009	Tuva horse breed	L-804D6	C1296374
SCT	131959001	Uzunyayla horse breed	L-804D7	C1296375
SCT	131960006	Voronezh Coach Horse horse breed	L-804D9	C1296376
SCT	131961005	Elegant Warmblood horse breed	L-804DA	C1296377
SCT	131962003	Welsh Cob horse breed	L-804DB	C1296378
SCT	131963008	Welsh Mountain Pony horse breed	L-804DC	C1296379
SCT	131964002	English Hack horse breed	L-804DE	C1296380
SCT	131965001	Wurttemberg horse breed	L-804DF	C1296381
SCT	131966000	Xilingol horse breed	L-804E1	C1296382
SCT	131967009	Yanqi horse breed	L-804E2	C1296383
SCT	131968004	Yemeni Horses horse breed	L-804E3	C1296384

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131969007	Yili horse breed	L-804E4	C1296385
SCT	131970008	Yiwu horse breed	L-804E5	C1296386
SCT	131971007	Yunnan horse breed	L-804E6	C1296387
SCT	131972000	German Riding Pony horse breed	L-804E7	C1296388
SCT	131973005	Guanzhong horse breed	L-804E8	C1296389
SCT	131974004	Guizhou horse breed	L-804E9	C1296390
SCT	131975003	Guoxia horse breed	L-804EA	C1296391
SCT	131976002	Erlunchun horse breed	L-804EB	C1296392
SCT	131977006	Half Saddlebred horse breed	L-804EC	C1296393
SCT	131978001	Flores horse breed	L-804ED	C1296394
SCT	131979009	Freiberg horse breed	L-804EE	C1296395
SCT	131980007	Hessen horse breed	L-804EF	C1296396
SCT	131981006	Hinis horse breed	L-804F1	C1296397
SCT	131982004	Hirzai horse breed	L-804F2	C1296398
SCT	131983009	Hungairan Coldblood horse breed	L-804F3	C1296399
SCT	131984003	Hungarian Dun horse breed	L-804F4	C1296400
SCT	131985002	Hungarian Sport Horse horse breed	L-804F5	C1296401
SCT	131986001	International Striped Horse horse breed	L-804F6	C1296402
SCT	131987005	Irish Cob horse breed	L-804F7	C1296403
SCT	131988000	Mezen horse breed	L-804F8	C1296404
SCT	131989008	Mezohegyes Sport Horse horse breed	L-804F9	C1296405
SCT	131990004	French Cob horse breed	L-804FA	C1296406
SCT	131991000	French Saddle pony horse breed	L-804FB	C1296407
SCT	131992007	Murakoz horse breed	L-804FC	C1296408
SCT	131993002	Finnhorse Draft horse breed	L-804FE	C1296409
SCT	131994008	Mecklenburg horse breed	L-804FF	C1296410
SCT	131998006	Catalana chicken breed	L-80504	C1296414
SCT	132009005	Haiti Creole pig breed	L-80542	C1296425
SCT	132010000	Manor Hybrid pig breed	L-80543	C1296426
SCT	132011001	Hamline pig breed	L-80544	C1296427
SCT	132012008	Manor Ranger pig breed	L-80545	C1296428
SCT	132013003	Manor Meishan pig breed	L-80546	C1296429
SCT	132014009	Cotswold Gold pig breed	L-80547	C1296430
SCT	132015005	Cotswold Platinum pig breed	L-80548	C1296431
SCT	132016006	Cotswold 16 pig breed	L-80549	C1296432
SCT	132017002	Cotswold 29 pig breed	L-8054A	C1296433
SCT	132018007	Cotswold 90 pig breed	L-8054B	C1296434
SCT	132019004	Hampen pig breed	L-8054C	C1296435
SCT	132020005	SPM pig breed	L-8054D	C1296436

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132021009	High Conformation White pig breed	L-8054E	C1296437
SCT	132022002	Line 32 pig breed	L-8054F	C1296438
SCT	132023007	Line 21 pig breed	L-80555	C1296439
SCT	132024001	Meatline pig breed	L-80556	C1296440
SCT	132025000	Hampline pig breed	L-80557	C1296441
SCT	132026004	Euroline pig breed	L-80558	C1296442
SCT	132027008	Norline pig breed	L-80559	C1296443
SCT	132028003	Premier pig breed	L-8055A	C1296444
SCT	132029006	Tribred pig breed	L-8055B	C1296445
SCT	132030001	American Essex pig breed	L-8055C	C1296446
SCT	132031002	Sino-Gascony pig breed	L-8055D	C1296447
SCT	132032009	Guadeloupe Creole pig breed	L-8055E	C1296448
SCT	132033004	Managra pig breed	L-8055F	C1296449
SCT	132034005	Canadian Landrace pig breed	L-8056A	C1296450
SCT	132035006	Canadian Yorkshire pig breed	L-8056B	C1296451
SCT	132036007	Minnesota #4 pig breed	L-8056C	C0324271
SCT	132037003	Pineywoods pig breed	L-8056D	C1296453
SCT	132038008	Catalina Island pig breed	L-8056E	C1296454
SCT	132039000	Ras-n-Lansa pig breed	L-8056F	C1296455
SCT	132040003	Pitman-Moore Miniature pig breed	L-8057B	C1296456
SCT	132041004	Vita Vet Lab Minipig pig breed	L-8057C	C1296457
SCT	132042006	Hanford Miniature pig breed	L-8057D	C1296458
SCT	132043001	Black Hampshire pig breed	L-8057E	C1296459
SCT	132044007	Red Hamprace pig breed	L-8057F	C1269195
SCT	132045008	American Yorkshire pig breed	L-80583	C1269196
SCT	132046009	American Berkshire pig breed	L-80584	C1269197
SCT	132047000	Camborough Blue pig breed	L-80585	C1269198
SCT	132048005	Camborough 12 pig breed	L-80586	C1296460
SCT	132049002	Westrain pig breed	L-80587	C1296461
SCT	132050002	Dalland 030 pig breed	L-80588	C1296462
SCT	132051003	Razor-Back pig breed	L-80589	C1296463
SCT	132052005	Macau pig breed	L-8058A	C1296464
SCT	132053000	Moura pig breed	L-8058B	C1296465
SCT	132054006	Canastra pig breed	L-8058C	C1296466
SCT	132055007	Pirapetinga pig breed	L-8058D	C1296467
SCT	132056008	Piau pig breed	L-8058E	C1296468
SCT	132057004	Nilo-Canastra pig breed	L-8058F	C1296469
SCT	132058009	Canastrão pig breed	L-80595	C1321448
SCT	132059001	Canastrão, Junqueira pig breed	L-80596	C1321449
SCT	132060006	Canastrão, Capitão Chico pig breed	L-80597	C1321450
SCT	132061005	Canastrão, Zabumba pig breed	L-80598	C1321451

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132062003	Canastrão, Cabano pig breed	L-80599	C1321452
SCT	132063008	Canastrão, Vermelho pig breed	L-8059A	C1321453
SCT	132064002	Piau, Caruncho Piau pig breed	L-8059B	C1296470
SCT	132065001	Canastrinho pig breed	L-8059C	C1296471
SCT	132066000	Honduras Switch-Tail pig breed	L-8059D	C1269199
SCT	132067009	Mastergilt pig breed	L-8059E	C1296472
SCT	132068004	Sovereign pig breed	L-8059F	C1269200
SCT	132069007	Poltava pig breed	L-805A1	C1296473
SCT	132070008	Lipetsk pig breed	L-805A2	C1296474
SCT	132071007	Soviet Meat pig breed	L-805A3	C1269201
SCT	132072000	Central Russian pig breed	L-805A4	C1269202
SCT	132073005	Steppe Meat pig breed	L-805A5	C1269203
SCT	132074004	Kharkov pig breed	L-805A6	C1296475
SCT	132075003	Dnepropetrovsk pig breed	L-805A7	C1296476
SCT	132076002	Russian Large White pig breed	L-805A8	C1269204
SCT	132077006	Forest Mountain pig breed	L-805A9	C1269205
SCT	132078001	Dnieper pig breed	L-805AA	C1296477
SCT	132079009	Iberian pig breed	L-805AB	C1296478
SCT	132080007	Iberian, Extremadura Red pig breed	L-805AC	C1269206
SCT	132081006	Iberian, Jabugo Spotted pig breed	L-805AD	C1269207
SCT	132082004	Iberian, Black Iberian pig breed	L-805AE	C1269208
SCT	132083009	Philippine Native, Ilocos pig breed	L-805AF	C1269209
SCT	132084003	Philippine Native, Jalajala pig breed	L-805B1	C1269210
SCT	132085002	Mangalista pig breed	L-805B2	C1269211
SCT	132086001	Alentejana pig breed	L-805B3	C1269212
SCT	132087005	Belgian Landrace, BN pig breed	L-805B4	C1269213
SCT	132088000	French Large White pig breed	L-805B5	C1269214
SCT	132089008	Hyper Large White pig breed	L-805B6	C1269215
SCT	132090004	Tia Meslan pig breed	L-805B7	C1269216
SCT	132091000	Pen ar Lan 77 pig breed	L-805B8	C1296479
SCT	132092007	Penshire pig breed	L-805B9	C1296480
SCT	132093002	Laconie pig breed	L-805BA	C1269217
SCT	132094008	Murcian pig breed	L-805BB	C1269218
SCT	132095009	Cavallino pig breed	L-805BC	C1269219
SCT	132096005	Calabrian pig breed	L-805BD	C1296481
SCT	132097001	Apulian pig breed	L-805BE	C1269220
SCT	132098006	Siena Belted pig breed	L-805BF	C1269221
SCT	132099003	Calascibetta pig breed	L-805C1	C1269222
SCT	132100006	Güssing Forest Pig pig breed	L-805C2	C1321454
SCT	132101005	Swiss Edelschwein pig breed	L-805C3	C1269223
SCT	132102003	North Caucasus pig breed	L-805C4	C1296482

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132103008	Don pig breed	L-805C5	C1269224
SCT	132104002	Rostov pig breed	L-805C6	C1296483
SCT	132105001	Russian Long-Eared White pig breed	L-805C7	C1269225
SCT	132106000	Russian Short-Eared White pig breed	L-805C8	C1269226
SCT	132107009	Prisheksninsk pig breed	L-805C9	C1296484
SCT	132108004	Breitov pig breed	L-805CA	C1296485
SCT	132109007	Livny pig breed	L-805CB	C1296486
SCT	132110002	Tsivilsk pig breed	L-805CC	C1296487
SCT	132111003	Urzhum pig breed	L-805CD	C1296488
SCT	132112005	Minisib pig breed	L-805CE	C1296489
SCT	132113000	Sakhalin White pig breed	L-805CF	C1269227
SCT	132114006	North Siberian pig breed	L-805D0	C1296490
SCT	132115007	Siberian Black Pied pig breed	L-805D1	C1269228
SCT	132116008	Kemerovo pig breed	L-805D2	C1296491
SCT	132117004	KM-1 pig breed	L-805D3	C1296492
SCT	132118009	Aksaî Black Pied pig breed	L-805D4	C1321455
SCT	132119001	Semirechensk pig breed	L-805D5	C1296493
SCT	132120007	Min pig breed	L-805D6	C1296494
SCT	132121006	Sanjiang White pig breed	L-805D7	C1269229
SCT	132122004	Basque Black Pied pig breed	L-805D8	C1269230
SCT	132123009	Corsican pig breed	L-805D9	C1296495
SCT	132124003	Créole pig breed	L-805DA	C1321456
SCT	132125002	Gascony pig breed	L-805DB	C1296496
SCT	132126001	Limousin pig breed	L-805DC	C1296497
SCT	132127005	Harbin White pig breed	L-805DD	C1269231
SCT	132128000	Heilongjiang Spotted pig breed	L-805DE	C1269232
SCT	132129008	Liaoning Black pig breed	L-805DF	C1269233
SCT	132130003	Huang-Huai-Hai Black, Shenxian pig breed	L-805E1	C1269234
SCT	132131004	Huang-Huai-Hai Black pig breed	L-805E2	C1269235
SCT	132132006	Bamei pig breed	L-805E3	C1296498
SCT	132133001	Hanjiang Black pig breed	L-805E4	C1269236
SCT	132134007	Ding pig breed	L-805E5	C1296499
SCT	132135008	Huai pig breed	L-805E6	C1296500
SCT	132136009	New Huai pig breed	L-805E7	C1296501
SCT	132137000	Mashen pig breed	L-805E8	C1296502
SCT	132138005	Yimeng Black pig breed	L-805E9	C1269237
SCT	132139002	Hetao Lop-Ear pig breed	L-805EB	C1269238
SCT	132140000	Korean Native pig breed	L-805EC	C1269239
SCT	132141001	Korean Improved pig breed	L-805ED	C1269240
SCT	132142008	Penbuk pig breed	L-805EE	C1296503

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132143003	Beijing Black pig breed	L-805EF	C1269241
SCT	132144009	Chenghua pig breed	L-805F1	C1296504
SCT	132145005	Taoyuan pig breed	L-805F2	C1296505
SCT	132146006	Taiwan Small Black pig breed	L-805F3	C1269242
SCT	132147002	Taiwan Small Red pig breed	L-805F4	C1269243
SCT	132148007	Guanling pig breed	L-805F5	C1296506
SCT	132149004	Huchuan Mountain pig breed	L-805F6	C1269244
SCT	132150004	Rongchang pig breed	L-805F7	C1296507
SCT	132151000	Wujin pig breed	L-805F8	C1296508
SCT	132152007	Dahe pig breed	L-805F9	C1296509
SCT	132153002	Yanan pig breed	L-805FA	C1296510
SCT	132154008	South Yunnan Short-Eared pig breed	L-805FB	C1269245
SCT	132155009	Hainan, Lingao pig breed	L-805FC	C1269246
SCT	132156005	Hainan, Tunchang pig breed	L-805FD	C1269247
SCT	132157001	Hainan, Wenchang pig breed	L-805FE	C1269248
SCT	132158006	Liang Guang Small Spotted pig breed	L-805FF	C1269249
SCT	132159003	German Pasture pig breed	L-8060A	C1296511
SCT	132160008	Piau, Sorocaba pig breed	L-8060B	C1269250
SCT	132161007	Nilo pig breed	L-8060C	C1296512
SCT	132162000	Bahia pig breed	L-8060D	C1296513
SCT	132163005	Perna-Curta pig breed	L-8060E	C1296514
SCT	132164004	Carunchinho pig breed	L-8060F	C1296515
SCT	132165003	Mandi pig breed	L-80613	C1296516
SCT	132166002	Orehla de Colher pig breed	L-80614	C1296517
SCT	132167006	Venezuelan Black pig breed	L-80615	C1296518
SCT	132168001	Bolivian pig breed	L-80616	C1296519
SCT	132169009	Pelón pig breed	L-80617	C1321457
SCT	132170005	Mexican Wattled pig breed	L-80618	C1269251
SCT	132171009	Dalland 080 pig breed	L-80619	C1296520
SCT	132173007	Monarch pig breed	L-8061B	C1269252
SCT	132174001	Bisaro pig breed	L-8061C	C1296521
SCT	132175000	Black Hairless pig breed	L-8061D	C1269253
SCT	132176004	Black Mangalitsa pig breed	L-8061E	C1269254
SCT	132178003	Borghigiana pig breed	L-80623	C1296523
SCT	132179006	Chianina pig breed	L-80624	C1296524
SCT	132180009	Cosentina pig breed	L-80625	C1296525
SCT	132181008	Cuino pig breed	L-80626	C1296526
SCT	132182001	Friuli Black pig breed	L-80627	C1269255
SCT	132183006	Fumati pig breed	L-80628	C1296527
SCT	132184000	Galician pig breed	L-80629	C1296528

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132185004	German Berkshire pig breed	L-8062A	C1296529
SCT	132186003	Ghori pig breed	L-8062B	C1296530
SCT	132187007	Jianli pig breed	L-8062C	C1296531
SCT	132188002	Lucanian pig breed	L-8062D	C1269256
SCT	132189005	Maremmana pig breed	L-8062E	C1296532
SCT	132190001	Miami pig breed	L-8062F	C1296533
SCT	132191002	Montmorillon pig breed	L-80634	C1296534
SCT	132192009	Old Swedish Spotted pig breed	L-80635	C1269257
SCT	132193004	Oliventina pig breed	L-80636	C1296535
SCT	132194005	Parmense pig breed	L-80637	C1296536
SCT	132195006	Romagnola pig breed	L-80638	C1296537
SCT	132196007	Siberian pig breed	L-80639	C1296538
SCT	132197003	Small White pig breed	L-8063A	C1269258
SCT	132198008	Baltaret pig breed	L-8063B	C1296539
SCT	132199000	Tungchang pig breed	L-8063C	C1296540
SCT	132200002	Sterling pig breed	L-8063D	C1296541
SCT	132201003	Vich pig breed	L-8063E	C1296542
SCT	132202005	Vietnamese pig breed	L-8063F	C1296543
SCT	132203000	Vitoria pig breed	L-80645	C1296544
SCT	132204006	Wai Chow pig breed	L-80646	C1296545
SCT	132205007	Yorkshire Blue and White pig breed	L-80647	C1269259
SCT	132206008	Dalland 020 pig breed	L-80648	C1296546
SCT	132207004	Wiltshire pig breed	L-80649	C1296547
SCT	132208009	Hamroc pig breed	L-8064A	C1296548
SCT	132209001	DRU™ Terminals pig breed	L-8064B	C1269260
SCT	132210006	Camborough 22 pig breed	L-8064C	C1296549
SCT	132211005	Camborough 15 pig breed	L-8064D	C1296550
SCT	132212003	PR 1050 pig breed	L-8064E	C1296551
SCT	132213008	PR 1075 pig breed	L-8064F	C1296552
SCT	132214002	Chryak PIC pig breed	L-8065A	C1296553
SCT	132215001	Canadian Royal Blue pig breed	L-8065B	C1269261
SCT	132216000	Line 500 Duroc pig breed	L-8065C	C1269262
SCT	132217009	Bodmin 950 pig breed	L-8065D	C1296554
SCT	132218004	Canadian Duroc pig breed	L-8065E	C1296555
SCT	132219007	Canadian Hampshire pig breed	L-8065F	C1296556
SCT	132220001	Ba Xuyen pig breed	L-80664	C1296557
SCT	132221002	Arapawa Island pig breed	L-80665	C1296558
SCT	132222009	Wuzhishan pig breed	L-80666	C1296559
SCT	132223004	Philippine Native pig breed	L-80667	C1269263
SCT	132224005	Sinclair Miniature pig breed	L-80668	C1269264
SCT	132225006	Saddleback pig breed	L-80669	C1296560

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132226007	Yucatan Minature pig breed	L-8066A	C1269265
SCT	132227003	Bantu pig breed	L-8066B	C1296561
SCT	132228008	Tibetan pig breed	L-8066C	C1296562
SCT	132229000	Turopolje pig breed	L-8066D	C1296563
SCT	132230005	Vietnamese Pot-Bellied Pig pig breed	L-8066E	C1296564
SCT	132231009	American Landrace pig breed	L-8066F	C1269266
SCT	132232002	Swallow Belied Mangalitza pig breed	L-80670	C1269267
SCT	132233007	Fengjing pig breed	L-80671	C1296565
SCT	132234001	Finnish Landrace pig breed	L-80672	C1269268
SCT	132235000	Guinea Hog pig breed	L-80673	C1296566
SCT	132236004	Hezuo pig breed	L-80674	C1296567
SCT	132237008	Ossabaw Island pig breed	L-80675	C1296568
SCT	132238003	Kele pig breed	L-80676	C1296569
SCT	132239006	Krskopolje pig breed	L-80677	C1296570
SCT	132240008	Kunekune pig breed	L-80678	C1296571
SCT	132241007	Large Black-White pig breed	L-80679	C1269269
SCT	132242000	Lithuanian Native pig breed	L-8067A	C1269270
SCT	132243005	Meishan pig breed	L-8067B	C1296572
SCT	132244004	Jinhua pig breed	L-8067C	C1296573
SCT	132245003	Ningxiang pig breed	L-8067D	C1296574
SCT	132246002	Mora Romagnola pig breed	L-8067E	C1296575
SCT	132247006	Mukota pig breed	L-8067F	C1296576
SCT	132248001	Minzhu pig breed	L-80680	C1296577
SCT	132249009	Neijiang pig breed	L-80681	C1296578
SCT	132250009	Mulefoot pig breed	L-80682	C1269271
SCT	132251008	Normand pig breed	L-80683	C1296579
SCT	132252001	Angeln Saddleback pig breed	L-80684	C1269192
SCT	132253006	Greek Local pig breed	L-80685	C1269193
SCT	132254000	Icelandic pig breed	L-80686	C1296580
SCT	132255004	Casertana pig breed	L-80687	C1296581
SCT	132256003	Madonie-Sicilian pig breed	L-80688	C1269194
SCT	132257007	Sardinian pig breed	L-80689	C1296582
SCT	132258002	Sicilian pig breed	L-8068A	C1296583
SCT	132259005	Zlotniki Spotted pig breed	L-8068B	C1269272
SCT	132260000	Zlotniki White pig breed	L-8068C	C1269273
SCT	132261001	Siska pig breed	L-8068D	C1296584
SCT	132262008	Sumadija pig breed	L-8068E	C1296585
SCT	132263003	Froxfield Pygmy pig breed	L-8068F	C1269274
SCT	132264009	Danish Large White pig breed	L-80690	C1269275
SCT	132265005	Danish Duroc pig breed	L-80691	C1296586
SCT	132266006	Danish Hampshire pig breed	L-80692	C1296587

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132267002	Piggham pig breed	L-80693	C1296588
SCT	132268007	New York Red pig breed	L-80694	C1269276
SCT	132269004	Finnish Yorkshire pig breed	L-80695	C1296589
SCT	132270003	Dutch Yorkshire pig breed	L-80696	C1296590
SCT	132271004	Pulawy pig breed	L-80697	C1296591
SCT	132272006	Pomeranian pig breed	L-80698	C1296592
SCT	132273001	Polish Landrace pig breed	L-80699	C1269277
SCT	132274007	Estonian Bacon pig breed	L-8069A	C1269278
SCT	132275008	Latvian White pig breed	L-8069B	C1269279
SCT	132276009	Lithuanian White pig breed	L-8069C	C1269280
SCT	132277000	BKB-1 pig breed	L-8069D	C1296593
SCT	132278005	Belorus Black Pied pig breed	L-8069E	C1269281
SCT	132279002	Mirgorod pig breed	L-8069F	C1296594
SCT	132280004	Liang Guang Small Spotted, Luchuan pig breed	L-806A1	C1269282
SCT	132281000	Fujian Small pig breed	L-806A2	C1269283
SCT	132282007	North Fujian Black-and-White pig breed	L-806A3	C1269284
SCT	132283002	Fuan Spotted pig breed	L-806A4	C1269285
SCT	132284008	Putian pig breed	L-806A5	C1269286
SCT	132285009	Fuzhou Black pig breed	L-806A6	C1269287
SCT	132286005	Minbei Spotted pig breed	L-806A7	C1269288
SCT	132287001	Lantang pig breed	L-806A8	C1296595
SCT	132288006	Liang Guang Small Spotted, Guangdong Small Ear pig breed	L-806A9	C1269289
SCT	132289003	Longlin pig breed	L-806AA	C1296596
SCT	132290007	Yuedong Black pig breed	L-806AB	C1269290
SCT	132291006	Xiang pig breed	L-806AC	C1296597
SCT	132292004	Cantonese pig breed	L-806AD	C1296598
SCT	132293009	Jinhua, Dongyang pig breed	L-806AE	C1269291
SCT	132294003	Jinhua, Yongkang pig breed	L-806AF	C1269292
SCT	132295002	Daweizi pig breed	L-806B1	C1296599
SCT	132296001	Huazhong Two-End Black pig breed	L-806B2	C1269293
SCT	132297005	Huazhong Two-End Black, Jianli pig breed	L-806B3	C1269294
SCT	132298000	Huazhong Two-End Black, Tongcheng pig breed	L-806B4	C1269295
SCT	132299008	Huazhong Two-End Black, Satzeling pig breed	L-806B5	C1269296
SCT	132300000	Ganzhongnan Spotted pig breed	L-806B6	C1269297
SCT	132301001	Hang pig breed	L-806B7	C1296600
SCT	132302008	Leping pig breed	L-806B8	C1296601
SCT	132303003	Longyou Black pig breed	L-806B9	C1269298

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132304009	Wuyi Black pig breed	L-806BA	C1269299
SCT	132305005	Lee-Sung pig breed	L-806BB	C1296602
SCT	132306006	Lan-Yu pig breed	L-806BC	C1296603
SCT	132307002	Vietnamese Yorkshire pig breed	L-806BD	C1296604
SCT	132308007	Yujiang pig breed	L-806BE	C1296605
SCT	132309004	Wanzhe Spotted pig breed	L-806BF	C1269300
SCT	132310009	Wanzhe Spotted, Chunan Spotted pig breed	L-806C1	C1269301
SCT	132311008	Wanzhe Spotted, Wannan Spotted pig breed	L-806C2	C1296606
SCT	132312001	Shengxian Spotted pig breed	L-806C3	C1296607
SCT	132313006	Qingping pig breed	L-806C4	C1296608
SCT	132314000	Xiangxi Black pig breed	L-806C5	C1296609
SCT	132315004	Bamaxiang pig breed	L-806C6	C1296610
SCT	132316003	Taihu pig breed	L-806C7	C1296611
SCT	132317007	Erhulian pig breed	L-806C8	C1296612
SCT	132318002	Jiaxing Black pig breed	L-806C9	C1296613
SCT	132319005	Mi pig breed	L-806CA	C1296614
SCT	132320004	Shahutou pig breed	L-806CB	C1296615
SCT	132321000	Jiaoxi pig breed	L-806CC	C1296616
SCT	132322007	Shanghai White pig breed	L-806CD	C1296617
SCT	132323002	Hubei White pig breed	L-806CE	C1296618
SCT	132324008	Xinjin pig breed	L-806CF	C1296619
SCT	132325009	Xinjin, Jilin Black pig breed	L-806D1	C1296620
SCT	132326005	Xinjin, Ning-an pig breed	L-806D2	C1296621
SCT	132327001	Í pig breed	L-806D3	C1321458
SCT	132328006	DBI pig breed	L-806D4	C1296622
SCT	132329003	Xinjin, Xinjin pig breed	L-806D5	C1296623
SCT	132330008	Meixin pig breed	L-806D6	C1296624
SCT	132331007	North East China Spotted pig breed	L-806D7	C1296625
SCT	132332000	Fannong Spotted pig breed	L-806D8	C1296626
SCT	132333005	Laoshan pig breed	L-806D9	C1296627
SCT	132334004	Nanjing Black pig breed	L-806DA	C1296628
SCT	132335003	Shanxi Black pig breed	L-806DB	C1296629
SCT	132336002	Ganzhou White pig breed	L-806DC	C1296630
SCT	132337006	Guangxi White pig breed	L-806DD	C1296631
SCT	132338001	Hanzhong White pig breed	L-806DE	C1296632
SCT	132339009	Lutai White pig breed	L-806DF	C1296633
SCT	132340006	Yili White pig breed	L-806E1	C1296634
SCT	132341005	Xinjiang White pig breed	L-806E2	C1296635
SCT	132342003	BSI pig breed	L-806E3	C1296636

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132343008	Mong Cai pig breed	L-806E4	C1296637
SCT	132344002	Lang Hong pig breed	L-806E5	C1296638
SCT	132345001	Muong Khuong pig breed	L-806E6	C1296639
SCT	132346000	Meo pig breed	L-806E7	C1296640
SCT	132347009	Tong Con pig breed	L-806E8	C1296641
SCT	132348004	Ha Bac pig breed	L-806E9	C1296642
SCT	132349007	Thai Binh pig breed	L-806EA	C1296643
SCT	132350007	Co pig breed	L-806EB	C1296644
SCT	132351006	Swiss Improved Landrace pig breed	L-806EC	C1296645
SCT	132352004	German Landrace B pig breed	L-806ED	C1296646
SCT	132353009	Edelschwein pig breed	L-806EE	C1296647
SCT	132354003	Swabian-Hall pig breed	L-806EF	C1296648
SCT	132355002	Bentheim Black Pied pig breed	L-806F1	C1296649
SCT	132356001	Baldinger Spotted pig breed	L-806F2	C1296650
SCT	132357005	German Red Pied pig breed	L-806F3	C1296651
SCT	132358000	German Cornwall pig breed	L-806F4	C1296652
SCT	132359008	Göttingen Miniature pig breed	L-806F5	C1321459
SCT	132360003	Munich Miniature pig breed	L-806F6	C1296653
SCT	132361004	Leicoma pig breed	L-806F8	C1296654
SCT	132362006	Schwerfurt Meat pig breed	L-806F9	C1296655
SCT	132363001	Hungarian White pig breed	L-806FA	C1296656
SCT	132364007	Hungahyb pig breed	L-806FB	C1296657
SCT	132365008	Bulgarian Native pig breed	L-806FC	C1296658
SCT	132366009	East Balkan pig breed	L-806FD	C1296659
SCT	132367000	Kula pig breed	L-806FE	C1296660
SCT	132368005	Nghia Binh pig breed	L-806FF	C1296661
SCT	132371002	Bichon Teneriffe dog breed	L-807E2	C1296664
SCT	132372009	Bizanian Hound dog breed	L-807E3	C1296663
SCT	132373004	Bloodhound, St. Hubert dog breed	L-807E4	C1296665
SCT	132374005	Bloodhound, Southern Hound dog breed	L-807E5	C1296666
SCT	132389001	Bordeaux Dog breed	L-808A3	C1296679
SCT	132376007	Brandlbracke dog breed	L-807E7	C1296668
SCT	132377003	Braque d'Ariége dog breed	L-807E8	C1321460
SCT	132378008	Portuguese Guard Dog breed	L-807E9	C1296669
SCT	132379000	Great Münsterländer dog breed	L-807EA	C1321461
SCT	132380002	Beagle, Smooth dog breed	L-807EB	C1296670
SCT	132381003	Beagle, Rough dog breed	L-807EC	C1296671
SCT	132382005	Belgian Griffon, Rough dog breed	L-807ED	C1296672
SCT	132383000	Belgian Griffon, Smooth dog breed	L-807EE	C1296673
SCT	132384006	Braque Belge dog breed	L-807EF	C1296674

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132385007	Belgian Street Dog breed	L-807F1	C1296675
SCT	132386008	Bernese Hound dog breed	L-807F2	C1296676
SCT	132387004	Eurasier dog breed	L-808A1	C1296677
SCT	132388009	English Bulldog breed	L-808A2	C1296678
SCT	132389001	Dogue de Bourdeaux dog breed	L-808A3	C1296679
SCT	132390005	Kai Ken dog breed	L-808A4	C1296680
SCT	132391009	Kui Mlk dog breed	L-808A5	C1296681
SCT	132392002	Argentine Dogo dog breed	L-808A6	C1296682
SCT	132393007	Alentejo herder dog breed	L-808A7	C1296683
SCT	132394001	Saint Bernard, Long-haired dog breed	L-808A8	C1296684
SCT	132395000	Saint Bernard, Short-haired dog breed	L-808A9	C1296685
SCT	132396004	West Siberian Laika dog breed	L-808AA	C1296686
SCT	132397008	Basset Fauve de Bretagne dog breed	L-808AB	C1296687
SCT	132398003	Japanese Retriever dog breed	L-808AC	C1296688
SCT	132399006	Kai Dog breed	L-808AD	C1296689
SCT	132400004	American Blue Gascon Hound dog breed	L-808AE	C1296690
SCT	132401000	Beagle Harrier dog breed	L-808AF	C1296691
SCT	132402007	Kangal Dog breed	L-808B1	C1296692
SCT	132403002	Leopard Cur dog breed	L-808B2	C1296693
SCT	132404008	Patterdale Terrier dog breed	L-808B3	C1296694
SCT	132405009	Petit Brabaçon dog breed	L-808B4	C1296695
SCT	132406005	Aidi dog breed	L-808B5	C1296696
SCT	132407001	American Indian Dog breed	L-808B6	C1296697
SCT	132408006	Austrian Pinscher dog breed	L-808B7	C1296698
SCT	132409003	American Eskimo, standard dog breed	L-808B8	C1296699
SCT	132410008	American Eskimo, Miniature dog breed	L-808B9	C1296700
SCT	132411007	American Eskimo, Toy dog breed	L-808BA	C1296701
SCT	132412000	Basset Griffon Vendéen dog breed	L-808BB	C1296702
SCT	132413005	Batard dog breed	L-808BC	C1296703
SCT	132414004	Basset Bleu de Gascogne dog breed	L-808BD	C1296704
SCT	132415003	Braque Dupuy dog breed	L-808BE	C1296705
SCT	132416002	Bruno de Jura dog breed	L-808BF	C1296706
SCT	132417006	Cão da Serra de Aires dog breed	L-808C1	C1296707
SCT	132418001	Cão de Castro Laboreiro dog breed	L-808C2	C1296708
SCT	132419009	Cão de Fila Miguel dog breed	L-808C3	C1296709
SCT	132420003	Catalan Sheepdog breed	L-808C4	C1296710
SCT	132421004	Caucasian Shepherd Dog breed	L-808C5	C1296711

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132422006	Cirneco dell'Etna dog breed	L-808C6	C1296712
SCT	132423001	English Toy Terrier dog breed	L-808C7	C1296713
SCT	132424007	German Spitz dog breed	L-808C8	C1296714
SCT	709853007	Dingo dog breed	L-DA692	C1296715
SCT	132426009	Fauve de Bretagne dog breed	L-808CA	C1296716
SCT	132427000	Hellenic Hound dog breed	L-808CB	C1296717
SCT	132428005	Holland Shepherd dog breed	L-808CC	C1296718
SCT	132429002	Japanese Spitz dog breed	L-808CD	C1296719
SCT	132430007	Jämthund dog breed	L-808CE	C1296720
SCT	132431006	Jindo dog breed	L-808CF	C1296721
SCT	132432004	Karelo-Finnish Laika dog breed	L-808D1	C1296722
SCT	132433009	King Shepherd dog breed	L-808D2	C1296723
SCT	132434003	Kishu dog breed	L-808D3	C1296724
SCT	132435002	Kirhiz dog breed	L-808D4	C1296725
SCT	132436001	Magyar Agår dog breed	L-808D5	C1296726
SCT	132437005	Middle Asian Ovtcharka dog breed	L-808D6	C1296727
SCT	132438000	Mi-Ki dog breed	L-808D7	C1296728
SCT	132439008	Miniature Australian Shepherd dog breed	L-808D8	C1296729
SCT	132440005	Min-pei dog breed	L-808D9	C1296730
SCT	132441009	Mountain Cur dog breed	L-808DA	C1296731
SCT	132442002	Moscow Longhaired Toy Terrier dog breed	L-808DB	C1296732
SCT	132443007	Perdigueiro Portuguese dog breed	L-808DC	C1296733
SCT	132444001	Podengo Canario dog breed	L-808DD	C1296734
SCT	132445000	Podengo Pequeno dog breed	L-808DE	C1296735
SCT	132446004	Pressa Mallorquin dog breed	L-808DF	C1296736
SCT	132447008	Pyrenean Mastiff dog breed	L-808E1	C1296737
SCT	132448003	Rastreador Brasileiro dog breed	L-808E2	C1296738
SCT	132449006	Sabuesos Españoles dog breed	L-808E3	C1296739
SCT	132450006	Schiller Hound dog breed	L-808E4	C1296740
SCT	132451005	South Russian Steppe Hound dog breed	L-808E5	C1296741
SCT	132452003	Styrian Mountain dog breed	L-808E6	C1296742
SCT	132453008	Berger du Languedoc dog breed	L-808E7	C1296743
SCT	132454002	Teddy Roosevelt Terrier dog breed	L-808E8	C1296744
SCT	132455001	Transylvanian Hound dog breed	L-808E9	C1296745
SCT	132456000	Trigg Hound dog breed	L-808EA	C1296746
SCT	132457009	Tyrolean Hound dog breed	L-808EB	C1296747
SCT	132458004	White Shepherd dog breed	L-808EC	C1296748
SCT	132459007	Wirehair Styrian mountain dog breed	L-808ED	C1296749
SCT	132460002	Yugoslavian Hound dog breed	L-808EE	C1296750

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132461003	Old Farm Collie dog breed	L-808EF	C1296751
SCT	132462005	Old German Shepherd dog breed	L-808F1	C1296752
SCT	132463000	New Zealand Heading Dog breed	L-808F2	C1296753
SCT	132464006	German Koolie dog breed	L-808F3	C1296754
SCT	132465007	Smithfield dog breed	L-808F4	C1296755
SCT	132466008	Spanish Greyhound dog breed	L-808F5	C1296756
SCT	132467004	Armant dog breed	L-808F6	C1296757
SCT	132468009	Australian Greyhound dog breed	L-808F8	C1296758
SCT	132469001	Australian Terrier, rough-coated dog breed	L-808F9	C1296759
SCT	132470000	Australian Terrier, silky dog breed	L-808FA	C1296760
SCT	132471001	Austrian Hound dog breed	L-808FB	C1296761
SCT	132472008	Austrian Smooth-Haired Bracke dog breed	L-808FC	C1296762
SCT	132473003	Balkan Hound dog breed	L-808FD	C1296763
SCT	132474009	Banjara greyhound dog breed	L-808FE	C1296764
SCT	132475005	Beagle, Standard dog breed	L-808FF	C1296765
SCT	132476006	Estrela Mountain Dog breed	L-80916	C1296766
SCT	132477002	Epagneul Picard dog breed	L-80917	C1296767
SCT	132478007	Epagneul Bleu de Picardie dog breed	L-80918	C1296768
SCT	132479004	Estonian Hound dog breed	L-80919	C1296769
SCT	132480001	Epagneul Pont-Audemer dog breed	L-80920	C1296770
SCT	132481002	Eurasian dog breed	L-80921	C1296771
SCT	132482009	Fell Terrier dog breed	L-80922	C1296772
SCT	132483004	Fila Brasileiro dog breed	L-80923	C1296773
SCT	132484005	Finnish Hound dog breed	L-80924	C1296774
SCT	132485006	Finnish Lapphund dog breed	L-80925	C1296775
SCT	132486007	Entlebucher dog breed	L-80926	C1296776
SCT	132487003	French Guard Dog breed	L-80927	C1296777
SCT	132488008	French Spaniel dog breed	L-80928	C1296778
SCT	132489000	Coton de Tuléar dog breed	L-80929	C1296779
SCT	132490009	Hamiltonstövare dog breed	L-80930	C1296780
SCT	132491008	Danish Broholmer dog breed	L-80931	C1296781
SCT	132492001	English Shepherd dog breed	L-80932	C1296782
SCT	132493006	Drentse Patrijshond dog breed	L-80933	C1296783
SCT	132494000	Dunker dog breed	L-80934	C1296784
SCT	132495004	Dutch Kooiker Dog breed	L-80935	C1296785
SCT	132496003	Dutch Shepherd dog breed	L-80936	C1296786
SCT	132497007	East Siberian Laika dog breed	L-80937	C1296787
SCT	132498002	Deutsche bracke dog breed	L-80938	C1296788
SCT	132499005	Hanoverian Hound dog breed	L-80939	C1296789

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132500001	Hovawart dog breed	L-80940	C1296790
SCT	132501002	Icelandic Sheepdog breed	L-80941	C1296791
SCT	132502009	Inca Hairless Dog breed	L-80942	C1296792
SCT	132503004	Irish Red and White Setter dog breed	L-80943	C1296793
SCT	132504005	Jagdterrier dog breed	L-80944	C1296794
SCT	132505006	German Spaniel dog breed	L-80945	C1296795
SCT	132506007	Grand Anglo-Français dog breed	L-80946	C1296796
SCT	132507003	Grand Bassett Griffon Vendeen dog breed	L-80947	C1296797
SCT	132508008	Grand Bleu de Gascogne dog breed	L-80948	C1296798
SCT	132509000	Grand Gascon-Saintongeois dog breed	L-80949	C1296799
SCT	132510005	German Pinscher dog breed	L-80950	C1296800
SCT	132511009	Greater Swiss Mountain Dog breed	L-80951	C1296801
SCT	132512002	Greenland Dog breed	L-80952	C1296802
SCT	132513007	Griffon Fauve de Bretegne dog breed	L-80953	C1296803
SCT	132514001	Griffon Nivernais dog breed	L-80954	C1296804
SCT	132515000	Grand Griffon Vendeen dog breed	L-80955	C1296805
SCT	132516004	Ainu dog breed	L-80956	C1296806
SCT	132517008	Basset Artésian Normand dog breed	L-80957	C1296807
SCT	132518003	Bavarian Mountain Hound dog breed	L-80958	C1296808
SCT	132519006	Beauceron dog breed	L-80959	C1296809
SCT	132520000	Azawakh dog breed	L-80960	C1296810
SCT	132521001	Australian Shepherd dog breed	L-80961	C1296811
SCT	132522008	Belgian Wolfhound dog breed	L-80962	C1296812
SCT	132523003	Bergamasco dog breed	L-80963	C1296813
SCT	132524009	Berger de Picard dog breed	L-80964	C1296814
SCT	132525005	Berger de Pyrenees dog breed	L-80965	C1296815
SCT	132526006	Billy dog breed	L-80966	C1296816
SCT	132527002	Belgian Griffon dog breed	L-80967	C0324378
SCT	132528007	American Hairless Terrier dog breed	L-80968	C1296817
SCT	132529004	Beagle, Elizabethan dog breed	L-80969	C1296818
SCT	132530009	Japanese Pointer dog breed	L-80970	C1296819
SCT	132531008	Akbash dog breed	L-80971	C1296820
SCT	132532001	Alapaha blueblood bullDog breed	L-80972	C1296821
SCT	132533006	Barbet dog breed	L-80973	C1296822
SCT	132534000	American Bulldog breed	L-80974	C1296823
SCT	132535004	Black Russian Terrier dog breed	L-80975	C1296824
SCT	132536003	Anglo-Francais de moyen venerie dog breed	L-80976	C1296825
SCT	132537007	Anglo-Francais de petit venerie dog breed	L-80977	C1296826

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132538002	Appenzeller dog breed	L-80978	C1296827
SCT	132539005	Ariégeois dog breed	L-80979	C1321491
SCT	132540007	Alano Español dog breed	L-80980	C1321462
SCT	132541006	Australian Kelpie dog breed	L-80981	C1296828
SCT	132542004	Alpine dachsbracke dog breed	L-80982	C1296829
SCT	132543009	Chien Français Blanc et Noir dog breed	L-80983	C1321463
SCT	132544003	Carolina Dog breed	L-80984	C1296830
SCT	132545002	Catahoula Leopard dog breed	L-80985	C1296831
SCT	132546001	Caucasian Mountain Dog breed	L-80986	C1296832
SCT	132547005	Cesky Fousek dog breed	L-80987	C1296833
SCT	132548000	Cesky Terrier dog breed	L-80988	C1296834
SCT	132549008	Chart Polski dog breed	L-80989	C1296835
SCT	132550008	Black Forest Hound dog breed	L-80990	C1296836
SCT	132551007	Chien d'Artois dog breed	L-80991	C1296837
SCT	132552000	Canaan dog breed	L-80992	C1296838
SCT	132553005	Chien Français Tricolore dog breed	L-80993	C1321464
SCT	132554004	Chinese Crested dog breed	L-80994	C1296839
SCT	132555003	Chinese Foo Dog breed	L-80995	C1296840
SCT	132556002	Chinese Imperial ch'in dog breed	L-80996	C1296841
SCT	132557006	Chinook dog breed	L-80997	C1296842
SCT	132558001	Chien Français Blanc et Orange dog breed	L-80998	C1321465
SCT	132559009	Braque Français de Grand Taille dog breed	L-80999	C1296843
SCT	132560004	Bolognese dog breed	L-809A1	C1296844
SCT	132561000	Border Collie dog breed	L-809A2	C1296845
SCT	132562007	Bracco Italiano dog breed	L-809A3	C1296846
SCT	132563002	Cane Corso dog breed	L-809A4	C1296847
SCT	132564008	Braque du Bourbonnais dog breed	L-809A5	C1296848
SCT	132565009	Braque Francais de Petite Taille dog breed	L-809A6	C1296849
SCT	132566005	Braque Saint-Germain dog breed	L-809A7	C1296850
SCT	132567001	Briquet Basset Griffon Vendeen dog breed	L-809A8	C1296851
SCT	132568006	Black Mouth Cur dog breed	L-809A9	C1296852
SCT	132569003	Braque d'Auvergne dog breed	L-809AA	C1296853
SCT	132570002	Schapendoes dog breed	L-809AB	C1296854
SCT	132571003	Sarplaninac dog breed	L-809AC	C1296855
SCT	132572005	Russo-Laika dog breed	L-809AD	C1296856
SCT	132573000	Bosnian Hound dog breed	L-809AE	C1296857
SCT	132574006	Rat Terrier dog breed	L-809AF	C1296858

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132575007	Pumi dog breed	L-809B1	C1296859
SCT	132576008	Presa Canario dog breed	L-809B2	C1296860
SCT	132577004	Portuguese Pointer dog breed	L-809B3	C1296861
SCT	132578009	Porcelaine dog breed	L-809B4	C1296862
SCT	132579001	Shropshire Terrier dog breed	L-809B5	C1296863
SCT	132580003	Boykin Spaniel dog breed	L-809B6	C1296864
SCT	132581004	Southern Blackmouth Cur dog breed	L-809B7	C1296865
SCT	132582006	South Russian Ovcharka dog breed	L-809B8	C1296866
SCT	132583001	Small Spanish Hound dog breed	L-809B9	C1296867
SCT	132584007	Small Münsterländer dog breed	L-809BA	C1321466
SCT	132585008	Slovak Cuvak dog breed	L-809BB	C1296868
SCT	132586009	Shiloh Shepherd dog breed	L-809BC	C1296869
SCT	132587000	Shiba Inu dog breed	L-809BD	C1296870
SCT	132588005	Welsh Sheepdog breed	L-809BE	C1296871
SCT	132589002	Shar-pei dog breed	L-809BF	C1296872
SCT	132590006	Sloughi dog breed	L-809C1	C1296873
SCT	132591005	Owczarek Podhalandski dog breed	L-809C2	C1296874
SCT	132592003	Norbottenspets dog breed	L-809C3	C1296875
SCT	132593008	Norwegian Dunkerhound dog breed	L-809C4	C1296876
SCT	132594002	Old Danish Bird Dog breed	L-809C5	C1269305
SCT	132595001	Old Format Dachsund dog breed	L-809C6	C1269306
SCT	132596000	Old Format Manchester Terrier dog breed	L-809C7	C1269307
SCT	132597009	Old Format Min/Toy Poodle dog breed	L-809C8	C1269308
SCT	132598004	Old Format Welsh Corgi dog breed	L-809C9	C1269309
SCT	132599007	Neopolitan Mastiff dog breed	L-809CA	C1269310
SCT	132600005	Perdiguero de Burgos dog breed	L-809CB	C1296877
SCT	132601009	Perdiguero Navarro dog breed	L-809CC	C1296878
SCT	132602002	Peruvian Inca Orchid dog breed	L-809CD	C1269311
SCT	132603007	Petit Bleu de Gascogne dog breed	L-809CE	C1296879
SCT	132604001	Petit Gascon-Saintongeois dog breed	L-809CF	C1296880
SCT	132605000	Petit Griffon Bleu de Gascogne dog breed	L-809D1	C1296881
SCT	132606004	Olde English Bulldogge dog breed	L-809D2	C1296882
SCT	132607008	Löwchen dog breed	L-809D3	C1321467
SCT	132608003	Polski Owczarek Nizinny dog breed	L-809D4	C1296883
SCT	132609006	Polish Hound dog breed	L-809D5	C1296884
SCT	132610001	Poitevin dog breed	L-809D6	C1296885
SCT	132611002	Spanish Pointer dog breed	L-809D7	C1296886
SCT	132612009	Kyi-Leo dog breed	L-809D8	C1296887

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132613004	Large Spanish Hound dog breed	L-809D9	C1269312
SCT	132614005	Lundehund dog breed	L-809DA	C1296888
SCT	132615006	Lurcher Hound dog breed	L-809DB	C1269313
SCT	132616007	Maremma Sheepdogs dog breed	L-809DC	C1269314
SCT	132617003	McNab dog breed	L-809DD	C1296889
SCT	132618008	Miniature Bull Terrier dog breed	L-809DE	C1269315
SCT	132620006	Mudi dog breed	L-809E1	C1296890
SCT	132621005	Munster Lander Pointer dog breed	L-809E2	C1269317
SCT	132622003	Loenberger dog breed	L-809E3	C1562740
SCT	132623008	Chi Terrier dog breed	L-809E4	C1296892
SCT	132624002	Krasky Ovcar dog breed	L-809E5	C1296893
SCT	132625001	Kromfohrländer dog breed	L-809E6	C1321468
SCT	132626000	Havanese dog breed	L-809E7	C1296894
SCT	132627009	American lamalese dog breed	L-809E8	C1269318
SCT	132629007	Norwegian Lundehund dog breed	L-809EA	C1269320
SCT	132630002	North American Shepherd dog breed	L-809EB	C1296895
SCT	132631003	Kyi Apso dog breed	L-809EC	C1296896
SCT	132632005	Swedish Lapphund dog breed	L-809ED	C1269321
SCT	132633000	Treeing Tennessee Brindle dog breed	L-809EE	C1296897
SCT	132634006	Telomain dog breed	L-809EF	C1296898
SCT	132635007	Swedish Vallhund dog breed	L-809F1	C1269322
SCT	132636008	Stumpy Tail Cattle Dog breed	L-809F2	C1269323
SCT	132637004	Stabyhoun dog breed	L-809F3	C1296899
SCT	132638009	Spinone Italiano dog breed	L-809F4	C1296900
SCT	132639001	Spanish Mastiff dog breed	L-809F5	C1296901
SCT	132640004	Berger Shetland dog breed	L-809F6	C1296902
SCT	132641000	Thai Ridgeback dog breed	L-809F7	C1296903
SCT	132642007	Swiss Mountain Dog breed	L-809F8	C1269324
SCT	132643002	Tibetan Mastiff dog breed	L-809F9	C1296904
SCT	132644008	Glen of Imaal Terrier dog breed	L-809FA	C1296905
SCT	132645009	Tosa Inu dog breed	L-809FB	C1296906
SCT	132646005	Toy Havanese Terrier dog breed	L-809FC	C1296907
SCT	132647001	Treeing Cur dog breed	L-809FD	C1296908
SCT	132648006	Treeing Feist dog breed	L-809FE	C1296909
SCT	132649003	Greater Swiss Mountain Hound dog breed	L-809FF	C1269325
SCT	132650003	Harlequin cat breed	L-80A70	C1269326
SCT	132651004	Manxamese cat breed	L-80A71	C1296910
SCT	132652006	Maltese cat breed	L-80A73	C1296911
SCT	132654007	Ragdoll cat breed	L-80A75	C1296912

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132655008	Turkish van cat breed	L-80A76	C1269328
SCT	132656009	British Blue cat breed	L-80A77	C1269329
SCT	132657000	American Bobtail Shorthair cat breed	L-80A78	C1296913
SCT	132658005	American Bobtail Longhair cat breed	L-80A79	C1296914
SCT	132659002	American Curl cat breed	L-80A80	C1269330
SCT	132660007	Australian Mist cat breed	L-80A81	C1269331
SCT	132661006	Bengal cat breed	L-80A83	C1296915
SCT	132662004	Brazilian Shorthair cat breed	L-80A84	C1296916
SCT	132663009	California Spangled cat breed	L-80A85	C1269332
SCT	132664003	Chantilly/Tiffany cat breed	L-80A86	C1296917
SCT	132665002	Shorthair cat breed	L-80A87	C1296918
SCT	132666001	German Rex cat breed	L-80A88	C1269333
SCT	132667005	LaPerm Shorthair cat breed	L-80A89	C1296919
SCT	132668000	LaPerm Longhair cat breed	L-80A90	C1296920
SCT	132669008	Munchkin Shorthair cat breed	L-80A91	C1296921
SCT	132670009	Munchkin Longhair cat breed	L-80A92	C1296922
SCT	132671008	Nebelung cat breed	L-80A93	C1296923
SCT	132672001	Norwegian Forest cat breed	L-80A94	C1269334
SCT	132673006	Oriental Longhair cat breed	L-80A95	C1296924
SCT	132675004	Ragamuffin cat breed	L-80A97	C1296926
SCT	132676003	Selkirk Rex cat breed	L-80A99	C1296927
SCT	132677007	Siberian cat breed	L-80AA1	C1296928
SCT	132678002	Snowshoe cat breed	L-80AA2	C1269335
SCT	132679005	Sokoke cat breed	L-80AA3	C1296929
SCT	132680008	Sphynx cat breed	L-80AA4	C1269336
SCT	132681007	Bergamasca sheep breed	L-80B01	C1296930
SCT	132682000	Portland sheep breed	L-80B02	C1296931
SCT	132684004	Weisse Hornlose Heidschnucke sheep breed	L-80B04	C1296932
SCT	132685003	Drents Heideschaap sheep breed	L-80B05	C1296933
SCT	132686002	Kameroen sheep breed	L-80B06	C1296934
SCT	132687006	Mergelland sheep breed	L-80B07	C1296935
SCT	132688001	Ouessant sheep breed	L-80B08	C1296936
SCT	132689009	Canadian Arcott sheep breed	L-80B09	C1296937
SCT	132690000	Noordhollander sheep breed	L-80B10	C1296938
SCT	132697002	Rijnlam-A sheep breed	L-80B17	C1296940
SCT	132698007	Schoonebeker sheep breed	L-80B18	C1296941
SCT	132699004	Wallis Blacknosed Sheep breed	L-80B19	C1269341
SCT	132701004	Newfoundland sheep breed	L-80B22	C1296943
SCT	132702006	Wallis Country Sheep breed	L-80B23	C1269342
SCT	132703001	Rideau Arcott sheep breed	L-80B24	C1296944

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132704007	Tukidale sheep breed	L-80B25	C1296945
SCT	132705008	Polwarth sheep breed	L-80B26	C1296946
SCT	132706009	Ryeland sheep breed	L-80B27	C1296947
SCT	132707000	Thalli sheep breed	L-80B2A	C1296948
SCT	132708005	Tong sheep breed	L-80B2B	C1296949
SCT	132709002	Touabire sheep breed	L-80B2C	C1296950
SCT	132710007	Tunis sheep breed	L-80B2D	C1296951
SCT	132711006	Tyrol Mountain sheep breed	L-80B2E	C1269343
SCT	132712004	Uda sheep breed	L-80B2F	C1296952
SCT	132716001	German Mutton Merino sheep breed	L-80B33	C1296955
SCT	132717005	Medium-Wool Merino sheep breed	L-80B34	C1269345
SCT	132718000	Fonthill Merino sheep breed	L-80B35	C1296956
SCT	132719008	South African Mutton Merino sheep breed	L-80B36	C1269346
SCT	132720002	Strong Wool Merino sheep breed	L-80B37	C1269347
SCT	132721003	Poll Merino sheep breed	L-80B38	C1296957
SCT	132722005	Fine Merino sheep breed	L-80B39	C1296958
SCT	132723000	South African Merino sheep breed	L-80B3A	C1296959
SCT	132724006	Superfine Merino sheep breed	L-80B40	C1296960
SCT	132731005	Baden Wurttemburg horse breed	L-80B47	C1296962
SCT	132732003	British Warmblood horse breed	L-80B48	C1296963
SCT	132733008	Israeli horse breed	L-80B49	C1296964
SCT	132734002	French Ardennais horse breed	L-80B4A	C1296965
SCT	132735001	Booroola Merino sheep breed	L-80B4B	C1296966
SCT	132736000	Cukurova horse breed	L-80B50	C1296967
SCT	132737009	Czech Coldblood horse breed	L-80B51	C1296968
SCT	132738004	Czechoslovakian Small Riding Horse horse breed	L-80B52	C1269353
SCT	132739007	Jianchang horse breed	L-80B53	C1296969
SCT	132740009	Jielin horse breed	L-80B54	C1296970
SCT	132741008	Wielkopolski horse breed	L-80B55	C1296971
SCT	132742001	Eleia horse breed	L-80B56	C1296972
SCT	132743006	English Cob horse breed	L-80B57	C1269354
SCT	132744000	Welsh Pony horse breed	L-80B58	C1296973
SCT	132745004	Welsh Pony of Cob Type horse breed	L-80B59	C1269355
SCT	132746003	English Hunter horse breed	L-80B5A	C1269356
SCT	132747007	Eriskay Pony horse breed	L-80B5B	C1296974
SCT	132748002	Hackney Pony horse breed	L-80B5C	C1296975
SCT	132749005	Estonian Draft horse breed	L-80B5D	C1296976
SCT	132750005	Heihe horse breed	L-80B5E	C1296977
SCT	132751009	Heilongkaing horse breed	L-80B5F	C1296978

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132757008	Danish Sport Pony horse breed	L-80B65	C1269357
SCT	132758003	Kabarda horse breed	L-80B66	C1296983
SCT	132759006	Kalmyk horse breed	L-80B67	C1296984
SCT	132760001	Mangalarga Marchador horse breed	L-80B68	C1296985
SCT	132761002	Don horse breed	L-80B69	C1296986
SCT	132762009	Manipuri horse breed	L-80B6A	C1296987
SCT	132763004	Swiss Warmblood horse breed	L-80B6B	C1296988
SCT	132764005	Tavda horse breed	L-80B6C	C1296989
SCT	132765006	East Bulgarian horse breed	L-80B6D	C1269358
SCT	132766007	East Friesian (Old Type) horse breed	L-80B6E	C1269359
SCT	132767003	East Friesian Warmblood (Modern Type) horse breed	L-80B6F	C1269360
SCT	132768008	Kakhetian pig breed	L-80B70	C1296990
SCT	132769000	West French White pig breed	L-80B71	C1269361
SCT	132770004	Miniature Hereford cattle breed	L-80B80	C1269362
SCT	132771000	Jem-Jem Zebu cattle breed	L-80B81	C1296991
SCT	132772007	Minusin horse breed	L-80B82	C1296992
SCT	132773002	Morochuco horse breed	L-80B83	C1296993
SCT	132774008	French Trotter horse breed	L-80B84	C1296994
SCT	132775009	Furioso horse breed	L-80B85	C1296995
SCT	132776005	Murghese horse breed	L-80B86	C1269363
SCT	132777001	Mytilene horse breed	L-80B87	C1269364
SCT	132778006	Namib Desert Horse horse breed	L-80B88	C1296996
SCT	132779003	Danish Oldenborg horse breed	L-80B89	C1296997
SCT	132780000	Volynsk cattle breed	L-80B8A	C1296998
SCT	132781001	Senepol cattle breed	L-80B8B	C1296999
SCT	132782008	Shilluk cattle breed	L-80B8C	C1297000
SCT	132783003	Sar Planina sheep breed	L-80B8D	C1297001
SCT	132784009	Santa Inês sheep breed	L-80B8E	C1321470
SCT	132785005	Sahel-type sheep breed	L-80B8F	C1297002
SCT	132786006	Rygja sheep breed	L-80B90	C1297003
SCT	132787002	Rya sheep breed	L-80B91	C1297004
SCT	132788007	Moghani sheep breed	L-80B92	C1297005
SCT	132789004	Rouge de l'Quest sheep breed	L-80B93	C1297006
SCT	132790008	Soay sheep breed	L-80B94	C1297007
SCT	132791007	South Suffolk sheep breed	L-80B95	C1269365
SCT	132792000	South Wales Mountain sheep breed	L-80B96	C1269366
SCT	132793005	Spælsau sheep breed	L-80B97	C1321471
SCT	132794004	Spiegel sheep breed	L-80B98	C1297008
SCT	132795003	St. Croix sheep breed	L-80B99	C1297009
SCT	132796002	Steigar sheep breed	L-80B9A	C1297010

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132797006	Steinschaf sheep breed	L-80B9B	C1297011
SCT	132798001	Welsh Mountain sheep breed	L-80B9C	C1269367
SCT	132799009	Swedish Fur Sheep breed	L-80B9D	C1269368
SCT	132800008	Teeswater sheep breed	L-80B9E	C1297012
SCT	132801007	Texel sheep breed	L-80B9F	C1297013
SCT	132802000	Pelibüey sheep breed	L-80BA1	C1321472
SCT	132803005	Morada Nova sheep breed	L-80BA2	C1297014
SCT	132804004	Balkhi sheep breed	L-80BA3	C1297015
SCT	132805003	Bavarian Forest sheep breed	L-80BA4	C1269369
SCT	132806002	Barbados Blackbelly sheep breed	L-80BA5	C1269370
SCT	132807006	Romney sheep breed	L-80BA6	C1297016
SCT	132808001	Awassi sheep breed	L-80BA7	C1297017
SCT	132809009	Arapawa Island sheep breed	L-80BA8	C1297018
SCT	132810004	Arabi sheep breed	L-80BA9	C1297019
SCT	132811000	Apennine sheep breed	L-80BB1	C1269371
SCT	132812007	American Tunis sheep breed	L-80BB2	C1269372
SCT	132813002	Balwen Welsh Mountain sheep breed	L-80BB3	C1269373
SCT	132814008	Priangan sheep breed	L-80BB4	C1269374
SCT	132815009	Rabo Largo sheep breed	L-80BB5	C1297020
SCT	132843000	Muban pig breed	L-80BE6	C1297039
SCT	132844006	Iban pig breed	L-80BE7	C1297040
SCT	132845007	Altay sheep breed	L-80BE8	C1297041
SCT	132846008	Faeroes sheep breed	L-80BE9	C1297042
SCT	132849001	Pitt Island sheep breed	L-80BF6	C1269382
SCT	132851002	Pinzirita sheep breed	L-80BF8	C1297044
SCT	132852009	Sardinian sheep breed	L-80BF9	C1297045
SCT	132853004	East Friesian sheep breed	L-80C01	C1269384
SCT	132854005	Ujumqin sheep breed	L-80C02	C1297046
SCT	132855006	DLS sheep breed	L-80C22	C1297047
SCT	132856007	Walachenschaf sheep breed	L-80C23	C1297048
SCT	132857003	Outaouais Arcott sheep breed	L-80C24	C1297049
SCT	132858008	Ossimi sheep breed	L-80C25	C1297050
SCT	132859000	Bentheimer Landschaf sheep breed	L-80C29	C1297051
SCT	132860005	Barbado sheep breed	L-80C30	C1297052
SCT	132861009	Baluchi sheep breed	L-80C31	C1297053
SCT	132888004	Blanc de Bouscat rabbit breed	L-86B36	C1297065
SCT	132951001	American Indian Horse horse breed	L-8A111	C1297111
SCT	132952008	American Mustang horse breed	L-8A112	C1297112
SCT	132953003	American Quarter Horse horse breed	L-8A113	C1297113
SCT	132954009	American Shetland pony horse breed	L-8A115	C1297114
SCT	132955005	Anadolu horse breed	L-8A116	C1297115

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132956006	Andean horse breed	L-8A117	C1297116
SCT	132957002	Anglo-Kabarda horse breed	L-8A118	C1297117
SCT	132960009	Narym horse breed	L-8A125	C1297120
SCT	132961008	National Spotted Saddle Horse horse breed	L-8A126	C1297121
SCT	132962001	Nigerian horse breed	L-8A127	C1297122
SCT	132963006	North Swedish Trotter horse breed	L-8A128	C1297123
SCT	132964000	Oriental Horse horse breed	L-8A129	C1297124
SCT	132965004	Rhineland Heavy Draft horse breed	L-8A12A	C1297125
SCT	132966003	Romanian Saddle Horse horse breed	L-8A12B	C1297126
SCT	132967007	Rottal horse breed	L-8A12C	C1297127
SCT	132968002	Royal Canadian Mounted Police Horse horse breed	L-8A12D	C1297128
SCT	132969005	Russian Saddle Horse horse breed	L-8A12E	C1297129
SCT	132970006	Sable Island Horse horse breed	L-8A12F	C1297130
SCT	132971005	Panje horse breed	L-8A130	C1297131
SCT	132972003	Patibarcina horse breed	L-8A131	C1297132
SCT	132973008	Pechora horse breed	L-8A132	C1297133
SCT	132974002	Peneia horse breed	L-8A133	C1297134
SCT	132975001	Periangan horse breed	L-8A134	C1297135
SCT	132976000	Persian Arab horse breed	L-8A135	C1297136
SCT	132977009	Petiso Argentino horse breed	L-8A136	C1297137
SCT	132978004	Polish Draft horse breed	L-8A137	C1297138
SCT	132979007	Priob horse breed	L-8A138	C1297139
SCT	132980005	Rahvan horse breed	L-8A139	C1297140
SCT	132981009	Salerno horse breed	L-8A13A	C1297141
SCT	132982002	Sandalwood horse breed	L-8A13B	C1297142
SCT	132983007	Sandan horse breed	L-8A13C	C1297143
SCT	132984001	Pindos horse breed	L-8A13D	C1297144
SCT	132985000	Piquira Pony horse breed	L-8A13E	C1297145
SCT	132986004	Pleven horse breed	L-8A13F	C1297146
SCT	132990002	Garrano tarpan horse X domestic horse breed	L-8A14A	C1297150
SCT	132991003	Konink tarpan horse X domestic horse breed	L-8A14B	C1297151
SCT	132992005	Asturian tarpan horse X domestic horse breed	L-8A14C	C1297152
SCT	132993000	Pottok tarpan horse X domestic horse breed	L-8A14D	C1297153
SCT	132994006	Russian Trotter horse breed	L-8A150	C1297154
SCT	132995007	West African Barb horse breed	L-8A151	C1297155
SCT	132996008	Fell Pony horse breed	L-8A152	C1297156
SCT	132997004	National Show Horse horse breed	L-8A153	C1297157

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132998009	Zhemaichu horse breed	L-8A154	C1297158
SCT	132999001	Yonaguni horse breed	L-8A155	C1297159
SCT	133000000	Yakut horse breed	L-8A156	C1297160
SCT	133001001	Tawleed horse breed	L-8A157	C1297161
SCT	133002008	Western Sudan Pony horse breed	L-8A158	C1297162
SCT	133003003	Welera Pony horse breed	L-8A159	C1297163
SCT	133004009	Vyatka horse breed	L-8A15A	C1297164
SCT	133005005	Vladimir Heavy Draft horse breed	L-8A15B	C1297165
SCT	133006006	Vlaamperd horse breed	L-8A15C	C1297166
SCT	133007002	Ukrainian Saddle Horse horse breed	L-8A15D	C1297167
SCT	133008007	Tori horse breed	L-8A15E	C1297168
SCT	133009004	Tokara horse breed	L-8A15F	C1297169
SCT	133010009	New Kirgiz horse breed	L-8A160	C1297170
SCT	133011008	Oldenburg horse breed	L-8A161	C1297171
SCT	133012001	Misaki horse breed	L-8A162	C1297172
SCT	133013006	Miyako horse breed	L-8A163	C1297173
SCT	133014000	Mongolian horse breed	L-8A164	C1321685
SCT	133015004	Waler horse breed	L-8A165	C1297174
SCT	133016003	Dutch Draft horse breed	L-8A166	C1297175
SCT	133017007	Egyptian horse breed	L-8A167	C1297176
SCT	133018002	Estonian Native horse breed	L-8A168	C1297177
SCT	133019005	Exmoor Pony horse breed	L-8A169	C1297178
SCT	133020004	Faeroes Island Horse horse breed	L-8A16A	C1297179
SCT	133021000	Falabella horse breed	L-8A16B	C1297180
SCT	133022007	Dutch Warmblood horse breed	L-8A16C	C1297181
SCT	133023002	Dongola horse breed	L-8A16D	C1297182
SCT	133024008	Døle horse breed	L-8A16E	C1321476
SCT	133025009	Djerma horse breed	L-8A16F	C1297183
SCT	133026005	Deliboz horse breed	L-8A170	C1297184
SCT	133027001	Dartmoor Pony horse breed	L-8A171	C1297185
SCT	133028006	Crioulo horse breed	L-8A172	C1297186
SCT	133029003	Finnhorse horse breed	L-8A173	C1297187
SCT	133030008	Sanfratello horse breed	L-8A174	C1297188
SCT	133031007	Morab horse breed	L-8A175	C1297189
SCT	133032000	Moyle horse breed	L-8A176	C1297190
SCT	133033005	Mustang horse breed	L-8A177	C1297191
SCT	133034004	M'Bayar horse breed	L-8A178	C1297192
SCT	133035003	Lusitano horse breed	L-8A179	C1297193
SCT	133036002	Newfoundland Pony horse breed	L-8A17A	C1297194
SCT	133037006	Noma horse breed	L-8A17B	C1297195
SCT	133038001	Nooitgedacht Pony horse breed	L-8A17C	C1297196

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133039009	Nordland horse breed	L-8A17D	C1297197
SCT	133040006	Noric horse breed	L-8A17E	C1297198
SCT	133041005	North Swedish Horse horse breed	L-8A17F	C1297199
SCT	133042003	Northeastern horse breed	L-8A180	C1297200
SCT	133043008	Kisber Felver horse breed	L-8A181	C1297201
SCT	133044002	Anglo-Arab horse breed	L-8A182	C1297202
SCT	133045001	Nonius horse breed	L-8A183	C1297203
SCT	133046000	Nooitgedacht horse breed	L-8A184	C1297204
SCT	133047009	Iomud horse breed	L-8A185	C1297205
SCT	133048004	Jutland horse breed	L-8A186	C1297206
SCT	133049007	Karabair horse breed	L-8A187	C1297207
SCT	133050007	Karabakh horse breed	L-8A188	C1297208
SCT	133051006	Kazakh horse breed	L-8A189	C1297209
SCT	133052004	Mangalarga horse breed	L-8A18A	C1297210
SCT	133053009	Kirdi Pony horse breed	L-8A18B	C1297211
SCT	133054003	Kiso horse breed	L-8A18C	C1297212
SCT	133055002	Kladruby horse breed	L-8A18D	C1297213
SCT	133056001	Knabstrup horse breed	L-8A18E	C1297214
SCT	133057005	Kushum horse breed	L-8A18F	C1297215
SCT	133058000	Kustanai horse breed	L-8A190	C1297216
SCT	133059008	Latvian horse breed	L-8A191	C1297217
SCT	133060003	Lithuanian Heavy Draft horse breed	L-8A192	C1297218
SCT	133061004	Lokai horse breed	L-8A193	C1297219
SCT	133062006	Kiger Mustang horse breed	L-8A194	C1297220
SCT	133063001	Pony of the Americas horse breed	L-8A195	C1297221
SCT	133064007	Pintabian horse breed	L-8A196	C1297222
SCT	133065008	Pantaneiro horse breed	L-8A197	C1297223
SCT	133066009	Orlov Trotter horse breed	L-8A198	C1297224
SCT	133067000	Northern Ardennais horse breed	L-8A199	C1297225
SCT	133068005	Abtenauer horse breed	L-8A19A	C1297226
SCT	133069002	Adaev horse breed	L-8A19B	C1297227
SCT	133070001	Albanian horse breed	L-8A19C	C1297228
SCT	133071002	Alter Real horse breed	L-8A19E	C1297229
SCT	133072009	American Bashkir Curly horse breed	L-8A19F	C1297230
SCT	133073004	Poitou Mule Producer horse breed	L-8A1A1	C1297231
SCT	133074005	Polesian horse breed	L-8A1A2	C1297232
SCT	133075006	Sardinian Anglo-Arab horse breed	L-8A1A3	C1297233
SCT	133076007	Sardinian Pony horse breed	L-8A1A4	C1297234
SCT	133077003	Sarvar horse breed	L-8A1A5	C1297235
SCT	133078008	Schleswig horse breed	L-8A1A6	C1297236
SCT	133079000	Schwarzwalder Fuchse horse breed	L-8A1A7	C1297237

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133080002	Senne horse breed	L-8A1A8	C1297238
SCT	133081003	Shan horse breed	L-8A1A9	C1297239
SCT	133082005	Silesian horse breed	L-8A1AA	C1297240
SCT	133083000	Sini horse breed	L-8A1AB	C1297241
SCT	133084006	Skyros horse breed	L-8A1AC	C1297242
SCT	133085007	Slovak Warmblood horse breed	L-8A1AD	C1297243
SCT	133086008	Sokolka horse breed	L-8A1AE	C1297244
SCT	133087004	South African Miniature horse breed	L-8A1AF	C1297245
SCT	133088009	South German Coldblood horse breed	L-8A1B1	C1297246
SCT	133089001	Southwest Spanish Mustang horse breed	L-8A1B2	C1297247
SCT	133090005	Spanish-American Horse horse breed	L-8A1B4	C1297248
SCT	133091009	Spanish Anglo-Arab horse breed	L-8A1B5	C1297249
SCT	133092002	Spanish Colonial Horse horse breed	L-8A1B6	C1297250
SCT	133093007	Spiti horse breed	L-8A1B7	C1297251
SCT	133094001	Sulawesi horse breed	L-8A1B8	C1297252
SCT	133095000	Criollo horse breed	L-8A1B9	C1297253
SCT	133096004	Hequ horse breed	L-8A1BA	C1297254
SCT	133097008	Connemara Pony horse breed	L-8A1BB	C1297255
SCT	133098003	Colorado Ranger horse breed	L-8A1BC	C1297256
SCT	133099006	Dales Pony horse breed	L-8A1BD	C1297257
SCT	133100003	Gotland horse breed	L-8A1BE	C1297258
SCT	133101004	Chincoteague Pony horse breed	L-8A1BF	C1297259
SCT	133102006	Hokkaido horse breed	L-8A1C1	C1297260
SCT	133103001	Highland Pony horse breed	L-8A1C2	C1297261
SCT	133104007	Groningen horse breed	L-8A1C3	C1297262
SCT	133105008	Cuban Pinto horse breed	L-8A1C4	C1297263
SCT	133106009	Fleuve horse breed	L-8A1C5	C1297264
SCT	133107000	Golden American Saddlebred horse breed	L-8A1C6	C1297265
SCT	133108005	Gidran horse breed	L-8A1C7	C1297266
SCT	133109002	Gelderland horse breed	L-8A1C8	C1320153
SCT	133110007	Galician Pony horse breed	L-8A1C9	C1297267
SCT	133111006	Friesian horse breed	L-8A1CA	C1297268
SCT	133112004	Frederiksborg horse breed	L-8A1CB	C1297269
SCT	133113009	Fouta horse breed	L-8A1CC	C1297270
SCT	133114003	Florida Cracker horse breed	L-8A1CD	C1297271
SCT	133115002	Guangxi horse breed	L-8A1CE	C1297272
SCT	133116001	Ardennes horse breed	L-8A1CF	C1297273
SCT	133117005	American Walking Pony horse breed	L-8A1D1	C1297274

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133118000	Azteca horse breed	L-8A1D2	C1297275
SCT	133119008	American Cream Draft horse breed	L-8A1D3	C1297276
SCT	133120002	Altai horse breed	L-8A1D4	C1297277
SCT	133121003	Akhal-Teke horse breed	L-8A1D5	C1297278
SCT	133122005	Abyssinian horse breed	L-8A1D6	C1297279
SCT	133123000	Bhirum Pony horse breed	L-8A1D7	C1297280
SCT	133124006	Cheju horse breed	L-8A1D8	C1297281
SCT	133125007	Cayuse horse breed	L-8A1D9	C1297282
SCT	133126008	Caspian horse breed	L-8A1DA	C1297283
SCT	133127004	Carthusian horse breed	L-8A1DB	C1297284
SCT	133128009	Campolina horse breed	L-8A1DC	C1297285
SCT	133129001	Byelorussian Harness horse breed	L-8A1DD	C1297286
SCT	133130006	Budyonny horse breed	L-8A1DE	C1297287
SCT	133131005	Australian Brumby horse breed	L-8A1DF	C1297288
SCT	133132003	Australian Stock Horse horse breed	L-8A1E1	C1297289
SCT	133133008	Basuto Pony horse breed	L-8A1E2	C1297290
SCT	133134002	Bashkir Curly horse breed	L-8A1E3	C1297291
SCT	133135001	Bashkir horse breed	L-8A1E4	C1297292
SCT	133136000	Barb horse breed	L-8A1E5	C1297293
SCT	133137009	Ban-ei horse breed	L-8A1E6	C1297294
SCT	133138004	Carpathian Pony horse breed	L-8A1E7	C1297295
SCT	133139007	Baluchi horse breed	L-8A1E8	C1297296
SCT	133140009	Balearic horse breed	L-8A1E9	C1297297
SCT	133141008	Chilean Corralero horse breed	L-8A1EA	C1297298
SCT	133142001	Breton horse breed	L-8A1EB	C1297299
SCT	133143006	Taishuh horse breed	L-8A1EC	C1297300
SCT	133144000	Swedish Warmblood horse breed	L-8A1ED	C1297301
SCT	133145004	Sudan Country-Bred horse breed	L-8A1EE	C1297302
SCT	133146003	Spanish-Norman horse breed	L-8A1EF	C1297303
SCT	133147007	Spanish Barb horse breed	L-8A1F1	C1297304
SCT	133148002	Soviet Heavy Draft horse breed	L-8A1F2	C1297305
SCT	133149005	Sorraia horse breed	L-8A1F3	C1297306
SCT	133150005	Somali Pony horse breed	L-8A1F4	C1297307
SCT	133151009	Tersk horse breed	L-8A1F5	C1297308
SCT	133152002	Shagya horse breed	L-8A1F6	C1297309
SCT	133153007	Selle Francais horse breed	L-8A1F7	C1297310
SCT	133154001	Sanhe horse breed	L-8A1F8	C1297311
SCT	133155000	Russian Heavy Draft horse breed	L-8A1FA	C1297312
SCT	133156004	Rocky Mountain Horse horse breed	L-8A1FB	C1297313
SCT	133157008	Racking Horse horse breed	L-8A1FC	C1297314
SCT	133158003	Quarter Pony horse breed	L-8A1FD	C1297315

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133159006	Quarab horse breed	L-8A1FE	C1297316
SCT	133160001	Single-Footing Horse horse breed	L-8A1FF	C1297317
SCT	133161002	Tuy Hoa Hairless pig breed	L-8B105	C1297318
SCT	133162009	Hainan pig breed	L-8B106	C1297319
SCT	133163004	Sino-Vietnamese pig breed	L-8B107	C1297320
SCT	133164005	Bo Xu pig breed	L-8B108	C1297321
SCT	133165006	Thuoc Nhieu pig breed	L-8B109	C1297322
SCT	133166007	Burmese pig breed	L-8B111	C1297323
SCT	133167003	Chin pig breed	L-8B112	C1297324
SCT	133168008	Siamese pig breed	L-8B113	C1297325
SCT	133169000	Hailum pig breed	L-8B114	C1297326
SCT	133170004	Kwai pig breed	L-8B115	C1297327
SCT	133171000	Raad pig breed	L-8B116	C1297328
SCT	133172007	Akha pig breed	L-8B117	C1297329
SCT	133173002	South China pig breed	L-8B118	C1297330
SCT	133174008	South China Black pig breed	L-8B119	C1297331
SCT	133175009	Balinese pig breed	L-8B121	C1297332
SCT	133176005	Diani pig breed	L-8B122	C1297333
SCT	133177001	Kaman pig breed	L-8B123	C1297334
SCT	133178006	Ashanti Dwarf pig breed	L-8B124	C1297335
SCT	133179003	Koronadal pig breed	L-8B125	C1297336
SCT	133180000	Ohmini pig breed	L-8B126	C1297337
SCT	133181001	Clawn pig breed	L-8B127	C1297338
SCT	133182008	Inobuta (inter-species hybrid) pig breed	L-8B128	C1297339
SCT	133183003	Kangaroo Island pig breed	L-8B129	C1297340
SCT	133184009	Captain Cooker pig breed	L-8B130	C1297341
SCT	133185005	West African pig breed	L-8B131	C1297342
SCT	133186006	Nigerian pig breed	L-8B132	C1297343
SCT	133187002	Bakosi pig breed	L-8B133	C1297344
SCT	133188007	Windsnyer pig breed	L-8B134	C1297345
SCT	133189004	Kolbroek pig breed	L-8B135	C1297346
SCT	133190008	South African Landrace pig breed	L-8B136	C1297347
SCT	133191007	Bulgarian White pig breed	L-8B137	C1297348
SCT	133192000	Bulgarian Landrace pig breed	L-8B139	C1297349
SCT	133193005	Danube White pig breed	L-8B140	C1297350
SCT	133194004	Dermantsi Pied pig breed	L-8B141	C1297351
SCT	133195003	Romanian Native, Stocli pig breed	L-8B142	C1297352
SCT	133196002	Romanian Native, Baltaret pig breed	L-8B143	C1297353
SCT	133197006	Banat White pig breed	L-8B144	C1297354
SCT	133198001	Bazna pig breed	L-8B145	C1297355

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133199009	Dobrogea Black pig breed	L-8B146	C1297356
SCT	133200007	Strei pig breed	L-8B147	C1297357
SCT	133201006	Romanian Large White pig breed	L-8B148	C1297358
SCT	133202004	Romanian Meat Pig pig breed	L-8B149	C1297359
SCT	133203009	Gurktal pig breed	L-8B150	C1297360
SCT	133204003	Black Slavonian pig breed	L-8B151	C1296522
SCT	133205002	Resava pig breed	L-8B152	C1297361
SCT	133206001	Morava pig breed	L-8B153	C1297362
SCT	133207005	Dzumalia pig breed	L-8B155	C1297363
SCT	133208000	Macedonian pig breed	L-8B156	C1297364
SCT	133209008	Albanian Native pig breed	L-8B157	C1297365
SCT	133210003	Shkodra pig breed	L-8B158	C1297366
SCT	133211004	Slovenian White pig breed	L-8B159	C1297367
SCT	133212006	Subotica White pig breed	L-8B160	C1297368
SCT	133213001	Prestice pig breed	L-8B161	C1297369
SCT	133214007	Slovakian Black Pied pig breed	L-8B162	C1297370
SCT	133215008	Czech Improved White pig breed	L-8B163	C1297371
SCT	133216009	Moravian Large Yorkshire pig breed	L-8B164	C1297372
SCT	133217000	Slovakian White pig breed	L-8B165	C1297373
SCT	133218005	Slovhyb-1 pig breed	L-8B166	C1297374
SCT	133219002	Nitra Hybrid pig breed	L-8B167	C1297375
SCT	133220008	Synthetic SL98 pig breed	L-8B168	C1297376
SCT	133221007	SL96 pig breed	L-8B169	C1297377
SCT	133222000	Czech Meat pig breed	L-8B170	C1297378
SCT	133223005	Czech Miniature pig breed	L-8B171	C1297379
SCT	133224004	Small Polish Prick-Eared pig breed	L-8B172	C1297380
SCT	133225003	Polesian pig breed	L-8B173	C1297381
SCT	133226002	Nadbuzanska pig breed	L-8B174	C1297382
SCT	133227006	Sarny pig breed	L-8B175	C1297383
SCT	133228001	Krolevets pig breed	L-8B176	C1297384
SCT	133229009	Polish Marsh pig breed	L-8B177	C1297385
SCT	133230004	Large Polish Long-Eared pig breed	L-8B178	C1297386
SCT	133231000	Herens cattle breed	L-8B958	C1297387
SCT	133232007	Hinterwald cattle breed	L-8B959	C1297388
SCT	133233002	Hungarian Gray cattle breed	L-8B95A	C1297389
SCT	133234008	Icelandic cattle breed	L-8B95B	C1297390
SCT	133235009	Illawarra cattle breed	L-8B95C	C1297391
SCT	133236005	Irish Moiled cattle breed	L-8B95D	C1297392
SCT	133237001	Israeli Holstein cattle breed	L-8B95E	C1297393
SCT	133238006	Istoben cattle breed	L-8B95F	C1297394
SCT	133239003	Jaulan cattle breed	L-8B961	C1297395

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133240001	Kazakh cattle breed	L-8B962	C1297396
SCT	133241002	Kerry cattle breed	L-8B963	C1297397
SCT	133242009	Kholmogory cattle breed	L-8B964	C1297398
SCT	133243004	Latvian Brown cattle breed	L-8B966	C1297399
SCT	133244005	Lincoln Red Shorthorn cattle breed	L-8B967	C1297400
SCT	133245006	Lithuanian Red cattle breed	L-8B968	C1297401
SCT	133246007	Mashona cattle breed	L-8B969	C1297402
SCT	133247003	Milking Devon cattle breed	L-8B96A	C1297403
SCT	133248008	Mirandesa cattle breed	L-8B96B	C1297404
SCT	133249000	Mixed dairy cattle breed	L-8B96C	C1297405
SCT	133250000	Mongolian cattle breed	L-8B96D	C1297406
SCT	133251001	Morucha cattle breed	L-8B96E	C1297407
SCT	133252008	Kurdi cattle breed	L-8B96F	C1297408
SCT	133253003	N'dama cattle breed	L-8B971	C1297409
SCT	133254009	Norwegian Red cattle breed	L-8B972	C1297410
SCT	133255005	Parthenais cattle breed	L-8B973	C1297411
SCT	133256006	Polish Red cattle breed	L-8B974	C1297412
SCT	133257002	Rätien Gray cattle breed	L-8B975	C1321477
SCT	133258007	Red and White cattle breed	L-8B976	C1297413
SCT	133259004	Red Angus cattle breed	L-8B977	C1297414
SCT	133260009	Red Polled Østland cattle breed	L-8B978	C1321478
SCT	133261008	Red Steppe cattle breed	L-8B979	C1297415
SCT	133262001	Reggiana cattle breed	L-8B97A	C1297416
SCT	133263006	Retinta cattle breed	L-8B97B	C1297417
SCT	133264000	Romosinuano cattle breed	L-8B97C	C1297418
SCT	133265004	Russian Black Pied cattle breed	L-8B97D	C1297419
SCT	133266003	RX3 cattle breed	L-8B97E	C1297420
SCT	133267007	Salorn cattle breed	L-8B97F	C1297421
SCT	133268002	Murboden cattle breed	L-8B983	C1297422
SCT	133269005	San Martinero cattle breed	L-8B984	C1297423
SCT	133270006	Sarabi cattle breed	L-8B985	C1297424
SCT	133271005	Sharabi cattle breed	L-8B987	C1297425
SCT	133272003	Shetland cattle breed	L-8B988	C1297426
SCT	133273008	Simbrah cattle breed	L-8B989	C1297427
SCT	133274002	South Devon cattle breed	L-8B98A	C1297428
SCT	133275001	Suffolk cattle breed	L-8B98B	C1297429
SCT	133276000	Sussex cattle breed	L-8B98C	C1297430
SCT	133277009	Swedish Red Polled cattle breed	L-8B98D	C1297431
SCT	133278004	Telemark cattle breed	L-8B98E	C1297432
SCT	133279007	Texas Longhorn cattle breed	L-8B98F	C1297433
SCT	133280005	Texon cattle breed	L-8B990	C1297434

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133281009	Vestland Fjord cattle breed	L-8B991	C1297435
SCT	133282002	Vestland Red Polled cattle breed	L-8B992	C1297436
SCT	133283007	Wagyu cattle breed	L-8B993	C1297437
SCT	133284001	White Cáceres cattle breed	L-8B994	C1321479
SCT	133285000	Xinjiang Brown cattle breed	L-8B995	C1297438
SCT	133286004	Yanbian cattle breed	L-8B996	C1297439
SCT	133287008	Zaobei cattle breed	L-8B998	C1297440
SCT	133288003	Zavot cattle breed	L-8B999	C1297441
SCT	133289006	Znamensk cattle breed	L-8B99A	C1297442
SCT	133290002	Alistana-Sanabresa cattle breed	L-8B99B	C1297443
SCT	133291003	Andalusian Blond cattle breed	L-8B99C	C1297444
SCT	133292005	Aosta Black Pied cattle breed	L-8B99D	C1297445
SCT	133293000	Aosta Chestnut cattle breed	L-8B99E	C1297446
SCT	133294006	Aosta Red Pied cattle breed	L-8B99F	C1297447
SCT	133295007	Aracena cattle breed	L-8B9A0	C1297448
SCT	133296008	Argentine Friesian cattle breed	L-8B9A1	C1297449
SCT	133297004	Armorican cattle breed	L-8B9A2	C1297450
SCT	133298009	Arouquesa cattle breed	L-8B9A3	C1297451
SCT	133299001	Aure et Saint-Girons cattle breed	L-8B9A4	C1297452
SCT	133300009	Australian White cattle breed	L-8B9A5	C1297453
SCT	133301008	Austrian Simmental cattle breed	L-8B9A6	C1297454
SCT	133302001	Austrian Yellow cattle breed	L-8B9A7	C1297455
SCT	133303006	Avetonou cattle breed	L-8B9A8	C1297456
SCT	133304000	Avilena cattle breed	L-8B9A9	C1297457
SCT	133305004	Avilena-Black Iberian cattle breed	L-8B9AA	C1297458
SCT	133306003	Bakosi cattle breed	L-8B9AB	C1297459
SCT	133307007	Bakwiri cattle breed	L-8B9AC	C1297460
SCT	133308002	Baltic Black Pied cattle breed	L-8B9AD	C1297461
SCT	133309005	Baoule cattle breed	L-8B9AE	C1297462
SCT	133310000	Barrosa cattle breed	L-8B9AF	C1297463
SCT	133311001	Barroso cattle breed	L-8B9B0	C1297464
SCT	133312008	Bearnais cattle breed	L-8B9B1	C1297465
SCT	133313003	Beef shorthorn cattle breed	L-8B9B2	C1297466
SCT	133314009	Beef synthetic cattle breed	L-8B9B3	C1297467
SCT	133315005	Beijing Black Pied cattle breed	L-8B9B4	C1297468
SCT	133316006	Beiroa cattle breed	L-8B9B5	C1297469
SCT	133317002	Belgian Black Pied Holstein cattle breed	L-8B9B6	C1297470
SCT	133318007	Belgian Red Pied cattle breed	L-8B9B7	C1297471
SCT	133319004	Belgian White and Red cattle breed	L-8B9B8	C1297472
SCT	133320005	Belted Welsh cattle breed	L-8B9B9	C1297473

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133321009	Bestuzhev cattle breed	L-8B9BA	C1297474
SCT	133322002	Betizuak cattle breed	L-8B9BB	C1297475
SCT	133323007	Black Baldy cattle breed	L-8B9BC	C1297476
SCT	133324001	Black Forrest cattle breed	L-8B9BD	C1297477
SCT	133325000	Black Iberian cattle breed	L-8B9BE	C1297478
SCT	133326004	Northern Blue cattle breed	L-8B9BF	C1297479
SCT	133327008	Bragado do Sorraia cattle breed	L-8B9C0	C1297480
SCT	133328003	Braganca cattle breed	L-8B9C1	C1297481
SCT	133329006	Brandrood Ijsselvee cattle breed	L-8B9C2	C1297482
SCT	133330001	Brazilian Polled cattle breed	L-8B9C3	C1297483
SCT	133331002	Breton Black Pied cattle breed	L-8B9C4	C1297484
SCT	133332009	Brown Atlas cattle breed	L-8B9C5	C1297485
SCT	133333004	Bulgarian Brown cattle breed	L-8B9C6	C1297486
SCT	133334005	Bulgarian Red cattle breed	L-8B9C7	C1297487
SCT	133335006	Burlina cattle breed	L-8B9C8	C1297488
SCT	133336007	Burwash cattle breed	L-8B9C9	C1297489
SCT	133337003	Byelorussian Red cattle breed	L-8B9CA	C1297490
SCT	133338008	Byelorussian Synthetic cattle breed	L-8B9CB	C1297491
SCT	133339000	Cabannina cattle breed	L-8B9CC	C1297492
SCT	133340003	Caldeano cattle breed	L-8B9CD	C1297493
SCT	133341004	Caldelana cattle breed	L-8B9CE	C1297494
SCT	133342006	Calvana cattle breed	L-8B9CF	C1297495
SCT	133343001	Camargue cattle breed	L-8B9D0	C1297496
SCT	133344007	Cambodian cattle breed	L-8B9D1	C1297497
SCT	133345008	Caracu cattle breed	L-8B9D2	C1297498
SCT	133346009	Carpathian Brown cattle breed	L-8B9D3	C1297499
SCT	133347000	Casanareno cattle breed	L-8B9D4	C1297500
SCT	133348005	Central Russian Black Pied cattle breed	L-8B9D5	C1297501
SCT	133349002	Chaouia cattle breed	L-8B9D6	C1297502
SCT	133350002	Charollandais cattle breed	L-8B9D7	C1297503
SCT	133351003	Char-swiss cattle breed	L-8B9D8	C1297504
SCT	133352005	Korean Black cattle breed	L-8B9D9	C1297505
SCT	133353000	Chesi cattle breed	L-8B9DA	C1297506
SCT	133354006	Cheurfa cattle breed	L-8B9DB	C1297507
SCT	133355007	Chiford cattle breed	L-8B9DC	C1297508
SCT	133356008	Chimaine cattle breed	L-8B9DD	C1297509
SCT	133357004	Chinampo cattle breed	L-8B9DE	C1297510
SCT	133358009	Cildir cattle breed	L-8B9DF	C1297511
SCT	133359001	COOPELSO 93 cattle breed	L-8B9E0	C1297512
SCT	133360006	Thrace cattle breed	L-8B9E1	C1297513

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133361005	Corsican cattle breed	L-8B9E2	C1297514
SCT	133362003	Cretan Lowland cattle breed	L-8B9E3	C1297515
SCT	133363008	Cretan Mountain cattle breed	L-8B9E4	C1297516
SCT	133364002	Croatian Red cattle breed	L-8B9E5	C1297517
SCT	133365001	Cukurova cattle breed	L-8B9E6	C1297518
SCT	133366000	Curraleiro cattle breed	L-8B9E7	C1297519
SCT	133367009	Cyprus cattle breed	L-8B9E8	C1297520
SCT	133368004	Czech Pied cattle breed	L-8B9E9	C1297521
SCT	133369007	Dagestan Mountain cattle breed	L-8B9EA	C1297522
SCT	133370008	Dairy Shorthorn cattle breed	L-8B9EB	C1297523
SCT	133371007	Dairy Synthetic cattle breed	L-8B9EC	C1297524
SCT	133372000	Danish Red Pied cattle breed	L-8B9ED	C1297525
SCT	133373005	Dengchuan cattle breed	L-8B9EE	C1297526
SCT	133374004	Dexter-Kerry cattle breed	L-8B9EF	C1297527
SCT	133375003	Doran cattle breed	L-8B9F0	C1297528
SCT	133376002	Dorna cattle breed	L-8B9F1	C1297529
SCT	133377006	Dortyol cattle breed	L-8B9F2	C1297530
SCT	133378001	East Anatolian Red cattle breed	L-8B9F3	C1297531
SCT	133379009	East Finnish cattle breed	L-8B9F4	C1297532
SCT	133380007	East Macedonian cattle breed	L-8B9F5	C1297533
SCT	133381006	Epirus cattle breed	L-8B9F6	C1297534
SCT	133382004	Estonian Black Pied cattle breed	L-8B9F7	C1297535
SCT	133383009	Ferrandais cattle breed	L-8B9FA	C1297536
SCT	133384003	Finnish Ayrshire cattle breed	L-8B9FB	C1297537
SCT	133385002	Flemish cattle breed	L-8B9FC	C1297538
SCT	133386001	Red Flemish cattle breed	L-8B9FD	C1297539
SCT	133387005	Fort Cross cattle breed	L-8B9FE	C1297540
SCT	133388000	Frati cattle breed	L-8B9FF	C1297541
SCT	133389008	Estonian Native cattle breed	L-8BA00	C1297542
SCT	133390004	Faeroes cattle breed	L-8BA01	C1297543
SCT	133391000	French Brown cattle breed	L-8BA02	C1297544
SCT	133392007	Frijolillo cattle breed	L-8BA03	C1297545
SCT	133393002	FRS cattle breed	L-8BA04	C1297546
SCT	133394008	Gacko cattle breed	L-8BA05	C1297547
SCT	133395009	Gado da Terra cattle breed	L-8BA06	C1297548
SCT	133396005	Georgian Mountain cattle breed	L-8BA07	C1297549
SCT	133397001	German Black Pied cattle breed	L-8BA08	C1297550
SCT	133398006	German Black Pied Dairy cattle breed	L-8BA09	C1297551
SCT	133399003	Pechora cattle breed	L-8BA0A	C1297552
SCT	133400005	Pee Wee cattle breed	L-8BA0B	C1297553

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133401009	Peloponnesus cattle breed	L-8BA0C	C1297554
SCT	133402002	Pester cattle breed	L-8BA0D	C1297555
SCT	133403007	Pie Rouge de l'Est cattle breed	L-8BA0E	C1297556
SCT	133404001	Pisana cattle breed	L-8BA0F	C1297557
SCT	133405000	German Brown cattle breed	L-8BA10	C1297558
SCT	133406004	German Shorthorn cattle breed	L-8BA11	C1297559
SCT	133407008	Ghana Shorthorn cattle breed	L-8BA12	C1297560
SCT	133408003	Glan-Donnersberg cattle breed	L-8BA13	C1297561
SCT	133409006	Gole cattle breed	L-8BA14	C1297562
SCT	133410001	Golpayegani cattle breed	L-8BA15	C1297563
SCT	133411002	Gorbatov Red cattle breed	L-8BA16	C1297564
SCT	133412009	Goryn cattle breed	L-8BA17	C1297565
SCT	133413004	Greater Caucasus cattle breed	L-8BA19	C1297566
SCT	133414005	Polish Black and White Lowland cattle breed	L-8BA1A	C1297567
SCT	133415006	Polish Simmental cattle breed	L-8BA1B	C1297568
SCT	133416007	Polled Jersey cattle breed	L-8BA1C	C1297569
SCT	133417003	Polled Lincoln Red cattle breed	L-8BA1D	C1297570
SCT	133418008	Polled Shorthorn (US) cattle breed	L-8BA1E	C1297571
SCT	133419000	Polled Simmental cattle breed	L-8BA1F	C1297572
SCT	133420006	Greek Shorthorn cattle breed	L-8BA20	C1297573
SCT	133421005	Greek Steppe cattle breed	L-8BA21	C1297574
SCT	133422003	Gray Alpine cattle breed	L-8BA22	C1297575
SCT	133423008	Guadiana Spotted cattle breed	L-8BA23	C1297576
SCT	133424002	Guelma cattle breed	L-8BA24	C1297577
SCT	133425001	Harz Red cattle breed	L-8BA25	C1297578
SCT	133426000	Hawaiian wild cattle breed	L-8BA26	C1297579
SCT	133427009	Hereland cattle breed	L-8BA27	C1297580
SCT	133428004	Holgus cattle breed	L-8BA28	C1297581
SCT	133429007	Hrbinecky cattle breed	L-8BA29	C1297582
SCT	133430002	Polled Sussex cattle breed	L-8BA2A	C1297583
SCT	133431003	Polled Welsh Black cattle breed	L-8BA2B	C1297584
SCT	133432005	Pontremolese cattle breed	L-8BA2C	C1297585
SCT	133433000	Preta cattle breed	L-8BA2D	C1297586
SCT	133434006	Puerto Rican Criollo cattle breed	L-8BA2E	C1297587
SCT	133435007	Pyrenean cattle breed	L-8BA2F	C1297588
SCT	133436008	Huertana cattle breed	L-8BA30	C1297589
SCT	133437004	Hungarian Pied cattle breed	L-8BA31	C1297590
SCT	133438009	Hungarofries cattle breed	L-8BA32	C1297591
SCT	133439001	Improved Rodopi cattle breed	L-8BA33	C1297592
SCT	133440004	INRA 95 cattle breed	L-8BA34	C1297593

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133441000	Italian Brown cattle breed	L-8BA35	C1297594
SCT	133442007	Italian Red Pied cattle breed	L-8BA36	C1297595
SCT	133443002	Japanese Black cattle breed	L-8BA37	C1297596
SCT	133444008	Japanese Brown cattle breed	L-8BA38	C1297597
SCT	133445009	Japanese Poll cattle breed	L-8BA39	C1297598
SCT	133446005	Qinchuan cattle breed	L-8BA3A	C1297599
SCT	133447001	Ramo Grande cattle breed	L-8BA3B	C1297600
SCT	133448006	Randall Lineback cattle breed	L-8BA3C	C1297601
SCT	133449003	Red Galloway cattle breed	L-8BA3D	C1297602
SCT	133450003	Regus cattle breed	L-8BA3E	C1297603
SCT	133451004	Rendena cattle breed	L-8BA3F	C1297604
SCT	133452006	Japanese Shorthorn cattle breed	L-8BA40	C1297605
SCT	133453001	Jarmelista cattle breed	L-8BA41	C1297606
SCT	133454007	Kabyle cattle breed	L-8BA42	C1297607
SCT	133455008	Kapsiki cattle breed	L-8BA43	C1297608
SCT	133456009	Katerini cattle breed	L-8BA44	C1297609
SCT	133457000	Kenran cattle breed	L-8BA45	C1297610
SCT	133458005	Khevsurian cattle breed	L-8BA46	C1297611
SCT	133459002	Kilis cattle breed	L-8BA47	C1297612
SCT	133460007	Kochi cattle breed	L-8BA48	C1297613
SCT	133461006	Korean Native cattle breed	L-8BA49	C1297614
SCT	133462004	Rhaetian Gray cattle breed	L-8BA4A	C1297615
SCT	133463009	Rio Limon Dairy Criollo cattle breed	L-8BA4B	C1297616
SCT	133464003	Rodopi cattle breed	L-8BA4C	C1297617
SCT	133465002	Romanian Red cattle breed	L-8BA4D	C1297618
SCT	133466001	Romanian Brown cattle breed	L-8BA4E	C1297619
SCT	133467005	Russian Brown cattle breed	L-8BA4F	C1297620
SCT	133468000	Kostroma cattle breed	L-8BA50	C1297621
SCT	133469008	Kravarsky cattle breed	L-8BA51	C1297622
SCT	133470009	Kuchinoshima cattle breed	L-8BA52	C1297623
SCT	133471008	Murray Gray cattle breed	L-8BA53	C1297624
SCT	133472001	Australian Shorthorn cattle breed	L-8BA54	C1297625
SCT	133473006	Kumamoto cattle breed	L-8BA55	C1297626
SCT	133474000	Lagune cattle breed	L-8BA56	C1297627
SCT	133475004	Lakenvelder cattle breed	L-8BA57	C1297628
SCT	133476003	Latvian Blue Roan cattle breed	L-8BA58	C1297629
SCT	133477007	La Velasquez cattle breed	L-8BA59	C1297630
SCT	133478002	Sardinian cattle breed	L-8BA5A	C1297631
SCT	133479005	Sardinian brown cattle breed	L-8BA5B	C1297632
SCT	133480008	Savinja Gray cattle breed	L-8BA5C	C1297633
SCT	133481007	Sayaguesa cattle breed	L-8BA5D	C1297634

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133482000	Seferihisar cattle breed	L-8BA5E	C1297635
SCT	133483005	Shkodra Red cattle breed	L-8BA5F	C1297636
SCT	133484004	Lebanese cattle breed	L-8BA60	C1297637
SCT	133485003	Lebedin cattle breed	L-8BA61	C1297638
SCT	133486002	Lesser Caucasus cattle breed	L-8BA62	C1297639
SCT	133487006	Liberian Dwarf cattle breed	L-8BA63	C1297640
SCT	133488001	Libyan cattle breed	L-8BA64	C1297641
SCT	133489009	Lim cattle breed	L-8BA65	C1297642
SCT	133490000	Limiana cattle breed	L-8BA66	C1297643
SCT	133491001	Limpurger cattle breed	L-8BA67	C1297644
SCT	133492008	Lobi cattle breed	L-8BA68	C1297645
SCT	133493003	Lourdais cattle breed	L-8BA69	C1297646
SCT	133494009	Slovakian Pied cattle breed	L-8BA6A	C1297647
SCT	133495005	Slovakian Pinzgau cattle breed	L-8BA6B	C1297648
SCT	133496006	Slovenian Brown cattle breed	L-8BA6C	C1297649
SCT	133497002	Somba cattle breed	L-8BA6D	C1297650
SCT	133498007	South African Brown Swiss cattle breed	L-8BA6E	C1297651
SCT	133499004	South Anatolian Red cattle breed	L-8BA6F	C1297652
SCT	133500008	Lucerna cattle breed	L-8BA70	C1297653
SCT	133501007	Luxi cattle breed	L-8BA71	C1297654
SCT	133502000	Macedonian Busa cattle breed	L-8BA72	C1297655
SCT	133503005	Makaweli cattle breed	L-8BA73	C1297656
SCT	133504004	Marinhoa cattle breed	L-8BA74	C1297657
SCT	133505003	Maronesa cattle breed	L-8BA75	C1297658
SCT	133506002	Mazury cattle breed	L-8BA76	C1297659
SCT	133507006	Messaoria cattle breed	L-8BA77	C1297660
SCT	133508001	Metohija Red cattle breed	L-8BA78	C1297661
SCT	133509009	Mingrelian Red cattle breed	L-8BA79	C1297662
SCT	133510004	Southern Ukranian cattle breed	L-8BA7A	C1297663
SCT	133511000	Spanish Brown Alpine cattle breed	L-8BA7B	C1297664
SCT	133512007	Suksun cattle breed	L-8BA7C	C1297665
SCT	133513002	Swiss Black Pied cattle breed	L-8BA7D	C1269477
SCT	133514008	Sychevka cattle breed	L-8BA7E	C1297666
SCT	133515009	Sykia cattle breed	L-8BA7F	C1297667
SCT	133516005	Minhota cattle breed	L-8BA80	C1297668
SCT	133517001	Minorcan cattle breed	L-8BA81	C1297669
SCT	133518006	Mishima cattle breed	L-8BA82	C1297670
SCT	133519003	Modenese cattle breed	L-8BA83	C1269478
SCT	133520009	Monchina cattle breed	L-8BA84	C1297671
SCT	133521008	Montafon cattle breed	L-8BA85	C1297672

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133522001	Montbeliard cattle breed	L-8BA86	C1297673
SCT	133523006	Morenas del Noroeste cattle breed	L-8BA87	C1297674
SCT	133524000	Murcian cattle breed	L-8BA88	C1269479
SCT	133525004	Murnau-Werdenfels cattle breed	L-8BA89	C1297675
SCT	133526003	Tagil cattle breed	L-8BA8A	C1297676
SCT	133527007	Tajma cattle breed	L-8BA8B	C1297677
SCT	133528002	Tambov Red cattle breed	L-8BA8C	C1269480
SCT	133529005	Tarina cattle breed	L-8BA8D	C1297678
SCT	133530000	Thessaly cattle breed	L-8BA8E	C1297679
SCT	133531001	Tinima cattle breed	L-8BA8F	C1297680
SCT	133532008	Nantais cattle breed	L-8BA90	C1297681
SCT	133533003	Nejdi cattle breed	L-8BA91	C1297682
SCT	133534009	N'Gabou cattle breed	L-8BA92	C1297683
SCT	133535005	North Finncattle cattle breed	L-8BA93	C1269481
SCT	133536006	Oropa cattle breed	L-8BA94	C1297684
SCT	133537002	Oulmes Blond cattle breed	L-8BA95	C1269482
SCT	133538007	Pajuna cattle breed	L-8BA96	C1297685
SCT	133539004	Palmera cattle breed	L-8BA97	C1297686
SCT	133540002	Pankota Red cattle breed	L-8BA98	C1269483
SCT	133541003	Paphos cattle breed	L-8BA99	C1297687
SCT	133542005	Tinos cattle breed	L-8BA9A	C1297688
SCT	133543000	Transylvanian Pinzgua cattle breed	L-8BA9B	C1297689
SCT	133544006	Tropical Dairy Cattle cattle breed	L-8BA9C	C1269484
SCT	133545007	Tropicana cattle breed	L-8BA9D	C1297690
SCT	133546008	Tudanca cattle breed	L-8BA9E	C1297691
SCT	133547004	Turino cattle breed	L-8BA9F	C1297692
SCT	133548009	Turkish Brown cattle breed	L-8BAA0	C1269485
SCT	133549001	Tux-Zillertal cattle breed	L-8BAA1	C1297693
SCT	133550001	Tyrol Gray cattle breed	L-8BAA2	C1269486
SCT	133551002	Abondance cattle breed	L-8BAA3	C1297694
SCT	133552009	Ala-Tau cattle breed	L-8BAA4	C1297695
SCT	133553004	Albanian Illyrian cattle breed	L-8BAA5	C1269487
SCT	133554005	Albanian Dwarf cattle breed	L-8BAA6	C1269488
SCT	133555006	Ukrainian Whiteheaded cattle breed	L-8BAA7	C1269489
SCT	133556007	Ural Black Pied cattle breed	L-8BAA8	C1269490
SCT	133557003	Valdres cattle breed	L-8BAA9	C1297696
SCT	133558008	Vaynol cattle breed	L-8BAAA	C1297697
SCT	133559000	Verinesa cattle breed	L-8BAAB	C1297698
SCT	133560005	Vianesa cattle breed	L-8BAAC	C1297699
SCT	133561009	Villard-de-Lans cattle breed	L-8BAAD	C1297700
SCT	133562002	Vogelsberg cattle breed	L-8BAAE	C1297701

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133563007	Pie Rouge des Plaines cattle breed	L-8BAAF	C1297702
SCT	133564001	Vorderwald cattle breed	L-8BAB0	C1297703
SCT	133565000	West African Dwarf Shorthorn cattle breed	L-8BAB1	C1269491
SCT	133566004	West Finnish cattle breed	L-8BAB2	C1269492
SCT	133567008	West Macedonian cattle breed	L-8BAB3	C1269493
SCT	133568003	Whitebred Shorthorn cattle breed	L-8BAB4	C1269494
SCT	133569006	White Galloway cattle breed	L-8BAB5	C1269495
SCT	133570007	White Welsh cattle breed	L-8BAB6	C1269496
SCT	133571006	Witrik cattle breed	L-8BAB7	C1297704
SCT	133572004	Yacumento cattle breed	L-8BAB8	C1297705
SCT	133573009	Yaroslavl cattle breed	L-8BAB9	C1297706
SCT	133574003	Yurino cattle breed	L-8BABA	C1297707
SCT	133575002	Aleppo cattle breed	L-8BABB	C1297708
SCT	133576001	Schwyz cattle breed	L-8BABC	C1297709
SCT	133577005	Busa cattle breed	L-8BABD	C1297710
SCT	133578000	Chiangus cattle breed	L-8BABE	C1297711
SCT	133579008	Hallingdal cattle breed	L-8BABF	C1297712
SCT	133580006	Danish Jersey cattle breed	L-8BAC0	C1269497
SCT	133581005	Enderby Island cattle breed	L-8BAC1	C1269498
SCT	133582003	German Angus cattle breed	L-8BAC2	C1269499
SCT	133583008	Israeli Red cattle breed	L-8BAC3	C1269500
SCT	133584002	Lineback cattle breed	L-8BAC4	C1269501
SCT	133585001	Mertolenga cattle breed	L-8BAC5	C1297713
SCT	133586000	Red Friesian cattle breed	L-8BAC6	C1269502
SCT	133587009	Senegus cattle breed	L-8BAC7	C1297714
SCT	133588004	Southern Crioulo cattle breed	L-8BAC8	C1297715
SCT	133589007	Vosges cattle breed	L-8BAC9	C1297716
SCT	133590003	Montanara cattle breed	L-8BACA	C1297717
SCT	133591004	Almanzorena cattle breed	L-8BACB	C1297718
SCT	133592006	Lorquina cattle breed	L-8BACC	C1297719
SCT	133593001	Calasparrena cattle breed	L-8BACD	C1297720
SCT	133594007	Amrit Mahal zebu cattle breed	L-8BACE	C1297721
SCT	133595008	Bachaur cattle breed	L-8BACF	C1297722
SCT	133596009	Barka zebu cattle breed	L-8BAD0	C1297723
SCT	133597000	Bengali cattle breed	L-8BAD1	C1297724
SCT	133598005	Bhagnari cattle breed	L-8BAD2	C1297725
SCT	133599002	Boran cattle breed	L-8BAD3	C1297726
SCT	133600004	Channi cattle breed	L-8BAD4	C1297727
SCT	133601000	Cholistani cattle breed	L-8BAD5	C1297728
SCT	133602007	Dajal cattle breed	L-8BAD6	C1297729

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133603002	Dangi cattle breed	L-8BAD7	C1297730
SCT	133604008	Deoni cattle breed	L-8BAD8	C1297731
SCT	133605009	Dhanni cattle breed	L-8BAD9	C1297732
SCT	133606005	Gaolao cattle breed	L-8BADA	C1297733
SCT	133607001	Hallikar cattle breed	L-8BADB	C1297734
SCT	133608006	Hariana cattle breed	L-8BADC	C1297735
SCT	133609003	Indo-Brazilian cattle breed	L-8BADD	C1297736
SCT	133610008	Kangayam cattle breed	L-8BADE	C1297737
SCT	133611007	Kankrej cattle breed	L-8BADF	C1297738
SCT	133612000	Kenkatha cattle breed	L-8BAE0	C1297739
SCT	133613005	Kherigarh cattle breed	L-8BAE1	C1297740
SCT	133614004	Khillari cattle breed	L-8BAE2	C1297741
SCT	133615003	Krishna Valley cattle breed	L-8BAE3	C1269503
SCT	133616002	Lohani cattle breed	L-8BAE4	C1297742
SCT	133617006	Malvi cattle breed	L-8BAE5	C1297743
SCT	133618001	Mewati cattle breed	L-8BAE6	C1297744
SCT	133619009	Nagori cattle breed	L-8BAE7	C1297745
SCT	133620003	Nelore cattle breed	L-8BAE9	C0324079
SCT	133621004	Nimari cattle breed	L-8BAEA	C1297747
SCT	133622006	Ponwar cattle breed	L-8BAEB	C1297748
SCT	133623001	Rath cattle breed	L-8BAEC	C1297749
SCT	133624007	Rathi cattle breed	L-8BAED	C1297750
SCT	133625008	Red Sindhi cattle breed	L-8BAEE	C1269504
SCT	133626009	Rojhan cattle breed	L-8BAEF	C1297751
SCT	133627000	Sahiwal cattle breed	L-8BAF0	C1297752
SCT	133628005	Siri zebu cattle breed	L-8BAF1	C1297753
SCT	133629002	Tharparkar cattle breed	L-8BAF2	C1297754
SCT	133630007	Zanzibar Zebu cattle breed	L-8BAF3	C1297755
SCT	133631006	Arsi cattle breed	L-8BAF4	C1297756
SCT	133632004	Atpadi Mahal cattle breed	L-8BAF5	C1297757
SCT	133633009	Azaouak cattle breed	L-8BAF6	C1297758
SCT	133634003	Azerbaijan Zebu cattle breed	L-8BAF7	C1297759
SCT	133635002	Baggara cattle breed	L-8BAF8	C1297760
SCT	133636001	Bambawa cattle breed	L-8BAF9	C1297761
SCT	133637005	Bami cattle breed	L-8BAFA	C1297762
SCT	133638000	Banyo cattle breed	L-8BAFB	C1297763
SCT	133639008	Bargur cattle breed	L-8BAFC	C1297764
SCT	133640005	Bari cattle breed	L-8BAFD	C1297765
SCT	133641009	Bimal cattle breed	L-8BAFE	C1297766
SCT	133642002	Borneo Zebu cattle breed	L-8BAFF	C1297767
SCT	133643007	Butana cattle breed	L-8BB00	C1297768

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133644001	Chittagong Red cattle breed	L-8BB01	C1269505
SCT	133645000	Cutchi cattle breed	L-8BB02	C1297769
SCT	133646004	Dairy Zebu of Uberaba cattle breed	L-8BB03	C1269506
SCT	133647008	Dashtiari cattle breed	L-8BB04	C1297770
SCT	133648003	Diali cattle breed	L-8BB05	C1297771
SCT	133649006	Didinga cattle breed	L-8BB06	C1297772
SCT	133650006	Dongola cattle breed	L-8BB07	C1297773
SCT	133651005	Fellata cattle breed	L-8BB09	C1297774
SCT	133652003	Turkmen zebu cattle breed	L-8BB0A	C1269507
SCT	133653008	Abyssinian Highland Zebu cattle breed	L-8BB0B	C1269508
SCT	133654002	Abyssinian Shorthorned Zebu cattle breed	L-8BB0C	C1269509
SCT	133655001	Aceh cattle breed	L-8BB0E	C1297775
SCT	133656000	Achham cattle breed	L-8BB0F	C1297776
SCT	133657009	Garre cattle breed	L-8BB10	C1297777
SCT	133658004	Gasara cattle breed	L-8BB11	C1297778
SCT	133659007	Gobra cattle breed	L-8BB12	C1297779
SCT	133660002	Goomsur cattle breed	L-8BB13	C1297780
SCT	133661003	Gujamavu cattle breed	L-8BB14	C1297781
SCT	133662005	Leiqiong cattle breed	L-8BB15	C1297782
SCT	133663000	Hissar cattle breed	L-8BB16	C1297783
SCT	133664006	Ingessana cattle breed	L-8BB17	C1297784
SCT	133665007	Jamaica Brahman cattle breed	L-8BB18	C1276277
SCT	133666008	Jellicut cattle breed	L-8BB19	C1297785
SCT	133667004	Adamawa cattle breed	L-8BB1A	C1297786
SCT	133668009	Aden Zebu cattle breed	L-8BB1B	C1269510
SCT	133669001	Afghan cattle breed	L-8BB1C	C1297787
SCT	133670000	Alambadi cattle breed	L-8BB1D	C1297788
SCT	133671001	Umblachery cattle breed	L-8BB1E	C1297789
SCT	133672008	Venezuelan Zebu cattle breed	L-8BB1F	C1297790
SCT	133673003	Pantaneiro cattle breed	L-8BB20	C1297791
SCT	133674009	Jenubi cattle breed	L-8BB21	C1297792
SCT	133675005	Jiddu cattle breed	L-8BB22	C1297793
SCT	133676006	Jijjiga Zebu cattle breed	L-8BB23	C1297794
SCT	133677002	Kabota cattle breed	L-8BB24	C1297795
SCT	133678007	Kachcha Siri cattle breed	L-8BB25	C1297796
SCT	133679004	Kalakheri cattle breed	L-8BB26	C1297797
SCT	133680001	Kamdhino cattle breed	L-8BB27	C1297798
SCT	133681002	Kandahari cattle breed	L-8BB28	C1297799
SCT	133682009	Kaningan cattle breed	L-8BB29	C1297800

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133683004	Wakwa cattle breed	L-8BB2A	C1297801
SCT	133684005	White Fulani cattle breed	L-8BB2B	C1269511
SCT	133685006	Yemeni Zebu cattle breed	L-8BB2C	C1297802
SCT	133686007	Iranian Zebu cattle breed	L-8BB2D	C1297803
SCT	133687003	Khorsan cattle breed	L-8BB2E	C1297804
SCT	133688008	Polled Gir cattle breed	L-8BB2F	C1297805
SCT	133689000	Kappiliyan cattle breed	L-8BB30	C1297806
SCT	133690009	Karamajong cattle breed	L-8BB31	C1297807
SCT	133691008	Kenana cattle breed	L-8BB32	C1297808
SCT	133692001	Kenya Boran cattle breed	L-8BB33	C1269512
SCT	133693006	Kenya Zebu cattle breed	L-8BB34	C1269513
SCT	133694000	Khamala cattle breed	L-8BB35	C1297809
SCT	133695004	Khurasani zebu cattle breed	L-8BB36	C1297810
SCT	133696003	Kilara cattle breed	L-8BB37	C1297811
SCT	133697007	Kinniya cattle breed	L-8BB38	C1297812
SCT	133698002	Konari cattle breed	L-8BB39	C1297813
SCT	133699005	Guzerat cattle breed	L-8BB3A	C1297814
SCT	133700006	Tadzhik zebu cattle breed	L-8BB3B	C1297815
SCT	133701005	Deogir cattle breed	L-8BB3C	C1297816
SCT	133702003	Gayal cattle breed	L-8BB3D	C1297817
SCT	133703008	American bison X cattle breed	L-8BB3E	C1269514
SCT	133704002	Australian Braford X zebu cattle breed	L-8BB3F	C1269515
SCT	133705001	Krishnagari cattle breed	L-8BB40	C1297818
SCT	133706000	Kumauni cattle breed	L-8BB41	C1297819
SCT	133707009	Ladakhi cattle breed	L-8BB42	C1297820
SCT	133708004	Latuka cattle breed	L-8BB43	C1297821
SCT	133709007	Lugware cattle breed	L-8BB44	C1297822
SCT	133710002	Madagascar Zebu cattle breed	L-8BB45	C1297823
SCT	133711003	Madaripur cattle breed	L-8BB46	C1297824
SCT	133712005	Magal cattle breed	L-8BB47	C1297825
SCT	133713000	Malawi Zebu cattle breed	L-8BB48	C1297826
SCT	133714006	Malnad Gidda cattle breed	L-8BB49	C1297827
SCT	133715007	Australian Friesian Sahiwal X zebu cattle breed	L-8BB4A	C1269410
SCT	133716008	Braford X zebu cattle breed	L-8BB4B	C1269411
SCT	133717004	Brahmousin X zebu cattle breed	L-8BB4C	C1269412
SCT	133718009	Canchim X zebu cattle breed	L-8BB4D	C1269413
SCT	133719001	Charbray X zebu cattle breed	L-8BB4E	C1269414
SCT	133720007	Droughtmaster X zebu cattle breed	L-8BB4F	C1269415
SCT	133721006	Mampati cattle breed	L-8BB50	C1297828

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133722004	Manapari cattle breed	L-8BB51	C1297829
SCT	133723009	Maure cattle breed	L-8BB52	C1297830
SCT	133724003	Mazandarani cattle breed	L-8BB53	C1297831
SCT	133725002	Merauke cattle breed	L-8BB54	C1297832
SCT	133727005	Mhaswad cattle breed	L-8BB56	C1297834
SCT	133728000	Miniature Zebu cattle breed	L-8BB57	C1269416
SCT	133729008	Mongalla cattle breed	L-8BB58	C1297835
SCT	133730003	Morang cattle breed	L-8BB59	C1297836
SCT	133731004	Gelbray X zebu cattle breed	L-8BB5A	C1269417
SCT	133732006	Jamaica Black X zebu cattle breed	L-8BB5B	C1269418
SCT	133733001	Jamaica Hope X zebu cattle breed	L-8BB5C	C1269419
SCT	133734007	Jamaica Red X zebu cattle breed	L-8BB5D	C1269420
SCT	133735008	Karan Fries X zebu cattle breed	L-8BB5E	C1269421
SCT	133736009	Karan Swiss X zebu cattle breed	L-8BB5F	C1269422
SCT	133737000	Mozambique Angoni cattle breed	L-8BB60	C1269423
SCT	133738005	Mpwapwa cattle breed	L-8BB61	C1269424
SCT	133739002	Murle cattle breed	L-8BB62	C1297837
SCT	133740000	Nakali cattle breed	L-8BB63	C1297838
SCT	133741001	Nepalese Hill Zebu cattle breed	L-8BB64	C1269425
SCT	133742008	N'Gaoundere cattle breed	L-8BB65	C1297839
SCT	133743003	Nkedi cattle breed	L-8BB66	C1297840
SCT	133744009	North Bangladesh Gray cattle breed	L-8BB67	C1269426
SCT	133745005	North Somali Zebu cattle breed	L-8BB68	C1269427
SCT	133746006	Polled Guzerat cattle breed	L-8BB69	C1297841
SCT	133747002	Mandalong X zebu cattle breed	L-8BB6A	C1269428
SCT	133748007	Australian Milking Zebu X zebu cattle breed	L-8BB6B	C1269429
SCT	133749004	Red Brangus X zebu cattle breed	L-8BB6C	C1269430
SCT	133750004	Santa Cruz X zebu cattle breed	L-8BB6D	C1269431
SCT	133751000	Siboney X zebu cattle breed	L-8BB6E	C1269432
SCT	133752007	Bambara X zebu cattle breed	L-8BB6F	C1269433
SCT	133753002	Polled Nelore cattle breed	L-8BB70	C1297842
SCT	133754008	Prewakwa cattle breed	L-8BB71	C1297843
SCT	133755009	Pul-M'bor cattle breed	L-8BB72	C1297844
SCT	133756005	Punganur cattle breed	L-8BB73	C1297845
SCT	133757001	Ramgarhi cattle breed	L-8BB74	C1297846
SCT	133758006	Red Bororo cattle breed	L-8BB75	C1269434
SCT	133759003	Red Desert cattle breed	L-8BB76	C1269435
SCT	133760008	Red Kandhari cattle breed	L-8BB77	C1269436
SCT	133761007	Shakhansurri cattle breed	L-8BB78	C1297847
SCT	133762000	Sheko cattle breed	L-8BB79	C1297848

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133763005	Bambey X zebu cattle breed	L-8BB7A	C1269437
SCT	133764004	Batanes Black X zebu cattle breed	L-8BB7B	C1269438
SCT	133765003	Borgou X zebu cattle breed	L-8BB7C	C1269439
SCT	133766002	Brahorn X zebu cattle breed	L-8BB7D	C1269440
SCT	133767006	Bralers X zebu cattle breed	L-8BB7E	C1269441
SCT	133768001	Bra-Maine X zebu cattle breed	L-8BB7F	C1269442
SCT	133769009	Shendi cattle breed	L-8BB80	C1297849
SCT	133770005	Shuwa cattle breed	L-8BB81	C1297850
SCT	133771009	Sinhala cattle breed	L-8BB82	C1297851
SCT	133772002	Sistani cattle breed	L-8BB83	C1297852
SCT	133773007	Small East African Zebu cattle breed	L-8BB84	C1269443
SCT	133774001	Sokoto Gudali cattle breed	L-8BB85	C1297853
SCT	133775000	Somali cattle breed	L-8BB86	C1297854
SCT	133776004	Sonkheri cattle breed	L-8BB87	C1297855
SCT	133777008	Son Valley cattle breed	L-8BB88	C1269444
SCT	133778003	South China Zebu cattle breed	L-8BB89	C1269445
SCT	133779006	Bra-Swiss X zebu cattle breed	L-8BB8A	C1269446
SCT	133780009	Bravon X zebu cattle breed	L-8BB8B	C1269447
SCT	133781008	Brazilian Dairy Hybrid X zebu cattle breed	L-8BB8C	C1269448
SCT	133782001	Burmese X zebu cattle breed	L-8BB8D	C1269449
SCT	133783006	Bushuev X zebu cattle breed	L-8BB8E	C1269450
SCT	133784000	Caiua X zebu cattle breed	L-8BB8F	C1269451
SCT	133785004	South Malawi Zebu cattle breed	L-8BB90	C1297856
SCT	133786003	Sudanese Fulani cattle breed	L-8BB91	C1269452
SCT	133787007	Tabapua cattle breed	L-8BB92	C1297857
SCT	133788002	Tamankaduwa cattle breed	L-8BB93	C1297858
SCT	133789005	Tanzanian Zebu cattle breed	L-8BB94	C1297859
SCT	133790001	Tarai cattle breed	L-8BB95	C1297860
SCT	133791002	Thillari cattle breed	L-8BB96	C1297861
SCT	133792009	Toposa cattle breed	L-8BB97	C1297862
SCT	133793004	Toronke cattle breed	L-8BB98	C1297863
SCT	133794005	Toupouri cattle breed	L-8BB99	C1297864
SCT	133795006	Carazebu X zebu cattle breed	L-8BB9A	C1269453
SCT	133796007	Central Asian Zebu X zebu cattle breed	L-8BB9B	C1269454
SCT	133797003	Charford X zebu cattle breed	L-8BB9C	C1269455
SCT	133798008	Cuban Criollo X zebu cattle breed	L-8BB9D	C1269456
SCT	133799000	Cuban Zebu X zebu cattle breed	L-8BB9E	C1269457
SCT	133800001	Dishty X zebu cattle breed	L-8BB9F	C1269458
SCT	133801002	Djakore X zebu cattle breed	L-8BC00	C1269459

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133802009	Gambian N'Dama X zebu cattle breed	L-8BC01	C1269460
SCT	133803004	Ghana Sanga X zebu cattle breed	L-8BC03	C1269461
SCT	133804005	Girolando X zebu cattle breed	L-8BC04	C1269462
SCT	133805006	Guzerando X zebu cattle breed	L-8BC05	C1269463
SCT	133806007	Hatton X zebu cattle breed	L-8BC06	C1269464
SCT	133807003	Ibage X zebu cattle breed	L-8BC07	C1269465
SCT	133808008	Iraqi X zebu cattle breed	L-8BC08	C1269466
SCT	133809000	Jerdi X zebu cattle breed	L-8BC09	C1269467
SCT	133810005	Jersind X zebu cattle breed	L-8BC10	C1269468
SCT	133811009	Jotko X zebu cattle breed	L-8BC11	C1269469
SCT	133812002	Kanem X zebu cattle breed	L-8BC12	C1269470
SCT	133813007	Keteku X zebu cattle breed	L-8BC13	C1269471
SCT	133814001	Lavinia X zebu cattle breed	L-8BC14	C1269472
SCT	133815000	Local Indian Dairy X zebu cattle breed	L-8BC15	C1269473
SCT	133816004	Mantiqueira X zebu cattle breed	L-8BC16	C1269474
SCT	133817008	Ndagu X zebu cattle breed	L-8BC17	C1269475
SCT	133818003	Normanzu X zebu cattle breed	L-8BC18	C1269476
SCT	133819006	Nuba Mountain X zebu cattle breed	L-8BC19	C1269516
SCT	133820000	Pabna X zebu cattle breed	L-8BC20	C1269517
SCT	133821001	Mixed Perijanero X zebu cattle breed	L-8BC21	C1269518
SCT	133822008	Pitangueiras X zebu cattle breed	L-8BC22	C1269519
SCT	133823003	Quasah X zebu cattle breed	L-8BC23	C1269520
SCT	133824009	Rana X zebu cattle breed	L-8BC24	C1269521
SCT	133825005	Ranger X zebu cattle breed	L-8BC25	C1269522
SCT	133826006	Renitelo X zebu cattle breed	L-8BC26	C1269523
SCT	133827002	Riopardenze X zebu cattle breed	L-8BC27	C1297865
SCT	133828007	Rustaqi X zebu cattle breed	L-8BC28	C1297866
SCT	133829004	Sabre X zebu cattle breed	L-8BC29	C1297867
SCT	133830009	Sahford X zebu cattle breed	L-8BC30	C1297868
SCT	133831008	Schwyz-Zeboid X zebu cattle breed	L-8BC31	C1297869
SCT	133832001	Suia X zebu cattle breed	L-8BC32	C1297870
SCT	133833006	Suisbu X zebu cattle breed	L-8BC33	C1297871
SCT	133834000	Sunandini X zebu cattle breed	L-8BC34	C1297872
SCT	133835004	Taino X zebu cattle breed	L-8BC35	C1297873
SCT	133836003	Thibar X zebu cattle breed	L-8BC36	C1297874
SCT	133837007	Toubou X zebu cattle breed	L-8BC37	C1297875
SCT	133838002	Tropical X zebu cattle breed	L-8BC38	C1297876
SCT	133839005	TSSH-1 X zebu cattle breed	L-8BC39	C1297877
SCT	133840007	Victoria X zebu cattle breed	L-8BC40	C1297878

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	133841006	Wokalup X zebu cattle breed	L-8BC41	C1297879
SCT	133842004	Madura wild javan X zebu cattle breed	L-8BC42	C1297880
SCT	1809004	Rex cat breed	L-80A40	C0324505
SCT	2062007	Dachshund superbreed of dog	L-80770	C0324348
SCT	25327001	Dorset sheep superbreed	L-80320	C0324114
SCT	51692004	Devon rex cat breed	L-80A42	C0324507
SCT	56917006	Cornish rex cat breed	L-80A41	C0324506
SCT	396505009	Oregon rex cat breed	L-80A45	C1300782
SCT	36074003	Abyssinian cat	L-80A05	C0324484
SCT	69855002	American shorthair cat	L-80A06	C0324485
SCT	21726001	American wirehaired cat	L-80A07	C0324486
SCT	3653002	Balinese cat	L-80A08	C0324487
SCT	43219001	Birman cat	L-80A09	C0324488
SCT	16528000	Bombay cat	L-80A10	C0324489
SCT	70653001	British shorthaired cat	L-80A11	C0324490
SCT	89065000	Burmese cat	L-80A12	C0324491
SCT	13653002	Cestrum parqui	L-D9814	C0331192
SCT	43529009	Chartreux cat	L-80A13	C0324492
SCT	61753003	Colourpoint shorthaired cat	L-80A51	C0324511
SCT	73271003	Domestic leopard cat	L-80A19	C0324498
SCT	8419007	Domestic longhaired cat	L-80A20	C0324499
SCT	409914009	Domestic medium-haired cat	L-8880B	C1455846
SCT	15020009	Domestic shorthaired cat	L-80A52	C0324512
SCT	21637005	Egyptian mau cat	L-80A14	C0324493
SCT	26057009	Exotic shorthaired cat	L-80A53	C0324513
SCT	3354004	Havana brown cat	L-80A15	C0324494
SCT	26382003	Japanese bobtail cat	L-80A16	C0324495
SCT	10701001	Javanese cat	L-80A17	C0324496
SCT	27125003	Korat cat	L-80A18	C0324497
SCT	40547002	Longhaired manx	L-80A31	C0324502
SCT	81866001	Maine coon cat	L-80A21	C0324500
SCT	3995008	Manx	L-80A30	C0324501
SCT	63972001	Ocicat	L-80A32	C0324503
SCT	24967003	Oriental shorthaired cat	L-80A54	C0324514
SCT	68086001	Persian cat	L-80A33	C0324504
SCT	84797007	Russian blue cat	L-80A43	C0324508
SCT	73049001	Scottish fold cat	L-80A44	C0324509
SCT	132665002	Shorthaired cat	L-80A87	C1296918
SCT	65694005	Siamese cat	L-80A55	C0324515
SCT	10136006	Singapura cat	L-80A56	C0324516

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	4042003	Somali cat	L-80A57	C0324517
SCT	44855006	Tonkinese cat	L-80A58	C0324518
SCT	50441005	Turkish angora cat	L-80A59	C0324519
SCT	52946002	Affenpinscher	L-80705	C0324297
SCT	77213006	Afghan hound	L-80706	C0324298
SCT	3921008	Airedale terrier	L-80707	C0324299
SCT	84514002	Akita dog	L-80708	C0324300
SCT	53228008	Alaskan malamute	L-80709	C0324301
SCT	88779009	American foxhound	L-807A4	C0324369
SCT	11746005	Australian cattle dog	L-80711	C0324303
SCT	112491001	Australian terrier	L-80710	C0324302
SCT	47659007	Basenji	L-80712	C0324304
SCT	41320000	Basset hound	L-80713	C0324305
SCT	44696006	Beagle	L-80714	C0324306
SCT	1514007	Bedlington terrier	L-80715	C0324307
SCT	74536009	Belgian groenendael dog	L-80716	C0324308
SCT	76554006	Belgian laeken dog	L-80717	C0324309
SCT	37116003	Belgian malinois dog	L-80718	C0324310
SCT	85144002	Belgian sheepdog	L-80719	C0324311
SCT	27444002	Belgian tervuren dog	L-80720	C0324312
SCT	33458006	Bernese mountain dog	L-80721	C0324313
SCT	41538003	Bichons frise dog	L-80722	C0324314
SCT	81529001	Bloodhound	L-80723	C0324315
SCT	69529009	Border terrier	L-80724	C0324316
SCT	112492008	Borzoi dog	L-80725	C0324317
SCT	79295007	Boston terrier	L-80726	C0324318
SCT	66712005	Bouvier des Flandres	L-80727	C0324319
SCT	42250008	Boxer dog	L-80728	C0324320
SCT	10369004	Briard dog	L-80729	C0324321
SCT	23995009	Bull terrier	L-80730	C0324322
SCT	38184008	Bulldog	L-80735	C0324327
SCT	71175006	Bullmastiff	L-80736	C0324328
SCT	87111007	Cairn terrier	L-80737	C0324329
SCT	66495005	Cavalier King Charles spaniel	L-80738	C0324330
SCT	28751008	Chow Chow	L-80744	C0324335
SCT	19078005	Collie	L-80750	C0324336
SCT	73319009	Coonhound	L-80760	C0324341
SCT	5916008	Dalmatian dog	L-80777	C0324355
SCT	3347005	Dandie dinmont terrier	L-80778	C0324356
SCT	47075006	Doberman pinscher	L-80780	C0324358
SCT	56984005	Drever dog	L-80781	C0324359

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	59975009	English foxhound	L-807A5	C0324370
SCT	67088002	English toy spaniel	L-80782	C0324360
SCT	89450005	Eskimo dog	L-80790	C0324361
SCT	83504004	Finnish spitz dog	L-80793	C0324364
SCT	90101001	Foxhound	L-807B0	C0324371
SCT	59643008	French bulldog	L-807B1	C0324372
SCT	42252000	German shepherd dog	L-807B2	C0324373
SCT	32670005	Great Pyrenee dog	L-807B4	C0324375
SCT	27615007	Great dane dog	L-807B3	C0324374
SCT	112494009	Greyhound	L-807B5	C0324376
SCT	55058007	Griffon dog	L-807C0	C0324377
SCT	76724004	Harrier dog	L-807C3	C0324380
SCT	25097001	Hound	L-80702	C0324295
SCT	10842007	Ibizan hound	L-807C4	C0324381
SCT	75494002	Irish terrier	L-807C6	C0324383
SCT	52952001	Irish wolfhound	L-807C5	C0324382
SCT	30347000	Italian greyhound	L-807C7	C0324384
SCT	6103004	Jack Russel terrier	L-807C8	C0324385
SCT	53922000	Japanese chin dog	L-807C9	C0324387
SCT	23159000	Japanese spaniel	L-807D0	C0324387
SCT	84660008	Karelian bear dog	L-807D1	C0324388
SCT	81607005	Keeshond	L-807D2	C0324389
SCT	32591006	Kerry blue terrier	L-807D3	C0324390
SCT	46239008	Komondor dog	L-807D4	C0324391
SCT	84548001	Kuvasz dog	L-807D5	C0324392
SCT	78214003	Lakeland terrier	L-807D6	C0324393
SCT	36438004	Lhasa apso	L-807D7	C0324394
SCT	39348004	Maltese dog	L-807D8	C0324395
SCT	48524002	Mastiff dog	L-80803	C0324399
SCT	78246003	Mexican hairless dog	L-80804	C0324400
SCT	12131006	Miniature pinscher dog	L-80805	C0324401
SCT	52253003	Newfoundland dog	L-80806	C0324402
SCT	62790004	Norfolk terrier	L-80807	C0324403
SCT	76994004	Norwegian elkhound	L-80808	C0324404
SCT	26332008	Norwich terrier	L-80809	C0324405
SCT	87029004	Old English sheepdog	L-80810	C0324406
SCT	58116005	Otter hound	L-80811	C0324407
SCT	41263004	Papillon dog	L-80812	C0324408
SCT	67684001	Pekingese dog	L-80813	C0324409
SCT	47542005	Petit basset griffon vendeen dog	L-80814	C0324410
SCT	14876008	Pharaoh hound	L-80815	C0324411

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	40400008	Plott hound	L-80816	C0324412
SCT	73318001	Pointer	L-80820	C0324413
SCT	10040000	Pomeranian dog	L-80824	C0324417
SCT	63390008	Portuguese water dog	L-80834	C0324422
SCT	61286000	Pudelpointer	L-80835	C0324423
SCT	60252000	Pug dog	L-80836	C0324424
SCT	21039009	Puli dog	L-80837	C0324425
SCT	1974006	Retriever	L-80840	C0324426
SCT	74173000	Rhodesian ridgeback dog	L-80847	C0324433
SCT	14245006	Rottweiler dog	L-80848	C0324434
SCT	59528003	Saluki dog	L-80849	C0324435
SCT	69474004	Samoyed dog	L-80850	C0324436
SCT	21150005	Schipperke dog	L-80851	C0324437
SCT	54858000	Scottish deerhound	L-80779	C0324357
SCT	61405001	Scottish terrier	L-80864	C0324442
SCT	34752004	Sealyham terrier	L-80865	C0324443
SCT	37453003	Setter	L-80870	C0324444
SCT	50125003	Shetland sheepdog	L-80874	C0324448
SCT	31077009	Shih tzu dog	L-80875	C0324449
SCT	3674001	Siberian huskie	L-80876	C0324450
SCT	39882003	Silky terrier	L-80877	C0324451
SCT	24299002	Skye terrier	L-80878	C0324452
SCT	47699005	Soft-coated wheaten terrier	L-80879	C0324453
SCT	45625009	Spaniel	L-80880	C0324454
SCT	83236005	St. Bernard dog	L-80895	C0324469
SCT	9131007	Standard Manchester terrier	L-80801	C0324397
SCT	61320006	Tahltan bear dog	L-80896	C0324470
SCT	606003	Terrier	L-80703	C0324296
SCT	87219003	Tibetan spaniel	L-80897	C0324471
SCT	17663009	Tibetan terrier	L-80898	C0324472
SCT	13942005	Toy Manchester terrier	L-80802	C0324398
SCT	69249004	Weimaraner	L-80903	C0324476
SCT	49421002	Welsh terrier	L-80904	C0324477
SCT	40727008	West Highland white terrier	L-80913	C0324481
SCT	76351004	Whippet dog	L-80914	C0324482
SCT	33401005	Wirehaired pointing griffon dog	L-807C2	C0324379
SCT	82676003	Wolf	L-88120	C0325001
SCT	13284009	Yorkshire terrier	L-80915	C0324483
SCT	84923006	Aberdeen Angus cow breed	L-80105	C0324046
SCT	8989009	Ayrshire cow breed	L-80106	C0324047
SCT	409905004	Black Angus cow breed	L-80108	C1444147

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	62153005	Blonde d'Aquitaine cow breed	L-80112	C0324049
SCT	30384003	Brahma cow breed	L-80113	C0324050
SCT	44230005	Brown Swiss cow breed	L-80115	C0324052
SCT	21921002	Canadian cow breed	L-80116	C0324053
SCT	35229007	Chianina cow breed	L-80118	C0324055
SCT	83996001	Criollo cow breed	L-80119	C0324056
SCT	53031002	Dexter cow breed	L-80120	C0324057
SCT	66911005	Galloway cow breed	L-80130	C0324058
SCT	13544004	Belted Galloway cow breed	L-80131	C0324059
SCT	76497003	Gelbveih cow breed	L-80132	C0324060
SCT	67448000	German Fleck-Vieh cow breed	L-80133	C0324061
SCT	32938007	Gir cow breed	L-80134	C0324062
SCT	84839000	Guernsey cow breed	L-80135	C0324063
SCT	112485003	Gujarati cow breed	L-80136	C0324064
SCT	23629009	Hays converter cow breed	L-80137	C0324065
SCT	7843000	Horned Hereford cow breed	L-80141	C0324067
SCT	9277006	Polled Hereford cow breed	L-80142	C0324068
SCT	26105007	Holstein-Friesian cow breed	L-80143	C0324069
SCT	51937006	Jersey cow breed	L-80144	C0324070
SCT	48702000	Limousin cow breed	L-80145	C0324071
SCT	3216001	Lincoln red cow breed	L-80146	C0324072
SCT	66314009	Longhorn cow breed	L-80147	C0324073
SCT	21553004	Luing cow breed	L-80148	C0324074
SCT	45284002	Maine Anjou cow breed	L-80149	C0324075
SCT	65344003	Marchigiana cow breed	L-80150	C0324076
SCT	6112002	Meusse-Rhine-Ijssel cow breed	L-80151	C0324077
SCT	76604009	Nellore cow breed	L-80153	C0324079
SCT	81267004	Normandie cow breed	L-80154	C0324080
SCT	400003	Pinzgauer cow breed	L-80156	C0324082
SCT	88807001	Red Poll cow breed	L-80157	C0324083
SCT	90612002	Salers cow breed	L-80158	C0324084
SCT	83173002	Scottish Highland cow breed	L-80160	C0324086
SCT	80835003	Shorthorn cow breed	L-80170	C0324087
SCT	78541007	Milking Shorthorn cow breed	L-80171	C1297523
SCT	28483003	Simmental cow breed	L-80172	C0324089
SCT	50959000	Tarentaise cow breed	L-80173	C0324090
SCT	28744004	Black Welsh cow breed	L-80174	C0324091
SCT	944009	Brown Welsh cow breed	L-80175	C0324092
SCT	26525003	White Park cow breed	L-80176	C0324093
SCT	424705003	Bison bison X Simmental hybrid	L-801E8	C1828053
SCT	70431006	Alpine goat breed	L-80205	C0324094

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	5438004	French alpine goat breed	L-80206	C0324095
SCT	74745008	Rock alpine goat breed	L-80207	C0324096
SCT	64158000	Angora goat breed	L-80208	C0324097
SCT	9230001	Camarron goat breed	L-80209	C0324098
SCT	89708009	Chamoisee goat breed	L-80210	C0324099
SCT	55530007	La Mancha goat breed	L-80211	C0324100
SCT	16015002	Anglo nubian goat breed	L-80212	C0324101
SCT	684003	Pygmy goat breed	L-80213	C0324102
SCT	21208000	Saanen goat breed	L-80214	C0324103
SCT	28360002	Swiss alpine goat breed	L-80215	C0324104
SCT	30089001	Toggenburg goat breed	L-80216	C0324105
SCT	131608000	Australian goat breed	L-80218	C1296065
SCT	131609008	Arapawa Island goat breed	L-80219	C1296066
SCT	131610003	Maltese goat breed	L-8021A	C1296067
SCT	131611004	Provençale goat breed	L-8021B	C1321441
SCT	131612006	Negra Serrana goat breed	L-8021C	C1296068
SCT	131613001	Orobica goat breed	L-8021D	C1296069
SCT	131614007	Roya-Vesubie goat breed	L-8021E	C1296070
SCT	131615008	Retinta Extremena goat breed	L-8021F	C1296071
SCT	131616009	Appenzell goat breed	L-80220	C1296072
SCT	131617000	American Cashmere goat breed	L-80221	C1296073
SCT	131618005	Altai Mountain goat breed	L-80222	C1269141
SCT	131619002	Pyrenean goat breed	L-80223	C1269142
SCT	131620008	Bagot goat breed	L-80224	C1296074
SCT	131621007	Russian White goat breed	L-80225	C1269143
SCT	131622000	Moxotó goat breed	L-80226	C1321442
SCT	131623005	Myotonic goat breed	L-80227	C1269144
SCT	131624004	Nachi goat breed	L-80228	C1296075
SCT	131625003	Nigerian Dwarf goat breed	L-80229	C1269145
SCT	131626002	Sarda goat breed	L-8022A	C1296076
SCT	131627006	Serpentina goat breed	L-8022B	C1296077
SCT	131628001	Serrana goat breed	L-8022C	C1296078
SCT	131629009	Verata goat breed	L-8022D	C1296079
SCT	131630004	Verzasca goat breed	L-8022E	C1296080
SCT	131631000	Norwegian goat breed	L-80230	C1269146
SCT	131632007	Oberhasli goat breed	L-80231	C1296081
SCT	131633002	Peacock goat breed	L-80232	C1296082
SCT	131634008	Philippine goat breed	L-80233	C1296083
SCT	131635009	Loashan goat breed	L-80234	C1296084
SCT	131636005	San Clemente goat breed	L-80235	C1296085
SCT	131637001	Somali goat breed	L-80236	C1296086

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131638006	Spanish goat breed	L-80237	C1296087
SCT	131639003	Rove goat breed	L-80238	C1296088
SCT	131640001	SRD goat breed	L-80239	C1296089
SCT	131641002	Swedish Landrace goat breed	L-80240	C1269147
SCT	131642009	Thuringian goat breed	L-80241	C1269148
SCT	131643004	Uzbek Black goat breed	L-80242	C1269149
SCT	131644005	Zhongwei goat breed	L-80243	C1296090
SCT	131645006	Barbari goat breed	L-80244	C1296091
SCT	131646007	Poitou goat breed	L-80245	C1296092
SCT	131647003	Repartida goat breed	L-80246	C1296093
SCT	131648008	Booted goat breed	L-80247	C1269150
SCT	131649000	Corsican goat breed	L-80248	C1269151
SCT	131650000	Chapar goat breed	L-80249	C1296094
SCT	131651001	Canindé goat breed	L-80250	C1321443
SCT	131652008	Canary Island goat breed	L-80251	C1296095
SCT	131653003	Daera Din Panah goat breed	L-80252	C1296096
SCT	131654009	British Alpine goat breed	L-80253	C1269152
SCT	131655005	Bhuj goat breed	L-80254	C1296097
SCT	131656006	Boer goat breed	L-80255	C1296098
SCT	131657002	Benadir goat breed	L-80256	C1296099
SCT	131658007	Creole Antilles goat breed	L-80257	C1269153
SCT	131659004	Beetal goat breed	L-80258	C1296100
SCT	131660009	Golden Guernsey goat breed	L-80259	C1296101
SCT	131661008	Danish Landrace goat breed	L-80260	C1269154
SCT	131662001	Kaghani goat breed	L-80261	C1296102
SCT	131663006	Irish goat breed	L-80263	C1269155
SCT	131664000	Grisons Striped goat breed	L-80265	C1269156
SCT	131665004	Jining Gray goat breed	L-80266	C1269157
SCT	131666003	Finnish Landrace goat breed	L-80267	C1269158
SCT	131667007	Erzgebirg goat breed	L-80268	C1296103
SCT	131668002	Kamori goat breed	L-80269	C1296104
SCT	131669005	Don goat breed	L-80270	C1296105
SCT	131670006	Kiko goat breed	L-80271	C1296106
SCT	131671005	Kinder goat breed	L-80272	C1296107
SCT	131672003	Pygora goat breed	L-80273	C1296108
SCT	131673008	Wooden Leg goat breed	L-80274	C1269159
SCT	131674002	Alpine Chamoisee goat breed	L-80275	C1296109
SCT	131675001	Massif Central goat breed	L-80276	C1269160
SCT	131676000	Malagueña goat breed	L-80277	C1321444
SCT	131677009	Algarvia goat breed	L-80278	C1296110
SCT	131678004	British Saanen goat breed	L-80279	C1269161

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	131679007	British Toggenburg goat breed	L-80280	C1269162
SCT	131680005	Bündner goat breed	L-80281	C1321445
SCT	131681009	Blanca Andaluza goat breed	L-80282	C1296111
SCT	131682002	Blanca Celtiberica goat breed	L-80283	C1296112
SCT	131683007	Bravia goat breed	L-80284	C1296113
SCT	131684001	Black Grisonne goat breed	L-80285	C1269163
SCT	131685000	Chamois of the Alps goat breed	L-80286	C1296114
SCT	131686004	Charnequeria goat breed	L-80287	C1296115
SCT	131687008	Carpathe goat breed	L-80288	C1296116
SCT	131688003	Col Noir du Valais goat breed	L-80289	C1296117
SCT	131689006	Damani goat breed	L-80290	C1296118
SCT	131690002	Des Fosses (Communes de l'Ouest) goat breed	L-80291	C1296119
SCT	131691003	English goat breed	L-80292	C1296120
SCT	131692005	English Guernsey goat breed	L-80293	C1296121
SCT	131693000	German colored goat breed	L-80294	C1269164
SCT	131694006	Guadarrama goat breed	L-80295	C1296122
SCT	131695007	Garganica goat breed	L-80296	C1296123
SCT	131696008	Girgentana goat breed	L-80297	C1296124
SCT	131697004	Jonica goat breed	L-80298	C1296125
SCT	131698009	Murciana-Granadina goat breed	L-80299	C1296126
SCT	25660007	Barbados sheep breed	L-80306	C0324107
SCT	65187008	Black faced Highland sheep breed	L-80307	C0324108
SCT	50717006	Cheviot sheep breed	L-80308	C0324109
SCT	48697009	Clun Forest sheep breed	L-80309	C0324110
SCT	67515002	Corriedale sheep breed	L-80310	C0324111
SCT	67414001	Cotswold sheep breed	L-80311	C0324112
SCT	44835005	Debouillet sheep breed	L-80312	C0324113
SCT	86920006	Horn dorset sheep breed	L-80321	C0324115
SCT	72329005	Finnish landrace sheep breed	L-80322	C0324116
SCT	64591001	Karakul sheep breed	L-80323	C0324117
SCT	11967001	Kerry Hill sheep breed	L-80324	C0324118
SCT	6431001	Leicester sheep breed	L-80325	C0324119
SCT	65492002	Lincoln sheep breed	L-80326	C0324120
SCT	82440005	Hampshire Down sheep breed	L-80327	C0324121
SCT	73191001	American merino sheep breed	L-80331	C0324123
SCT	46392004	Delaine merino sheep breed	L-80332	C0324124
SCT	5164003	Montdale sheep breed	L-80333	C0324125
SCT	45690005	Mouflon sheep breed	L-80334	C0324126
SCT	59210004	Navajo sheep breed	L-80335	C0324127
SCT	112486002	No-tail sheep breed	L-80336	C0324128

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	87962009	North County cheviot sheep breed	L-80337	C0324129
SCT	53360003	Oxford Down sheep breed	L-80338	C0324130
SCT	13934009	Panama sheep breed	L-80339	C0324131
SCT	41706005	Perendale sheep breed	L-80340	C0324132
SCT	2124007	Rambouillet sheep breed	L-80341	C0324133
SCT	32145006	Romanov sheep breed	L-80342	C0324134
SCT	79603002	Romedale sheep breed	L-80343	C0324135
SCT	112487006	Romnelet sheep breed	L-80344	C0324136
SCT	3099004	Romney marsh sheep breed	L-80345	C0324137
SCT	4574003	Shropshire sheep breed	L-80346	C0324138
SCT	3566006	Southdown sheep breed	L-80347	C0324139
SCT	72648002	Suffolk sheep breed	L-80348	C0324140
SCT	89665001	Targhee sheep breed	L-80349	C0324141
SCT	39855006	Wiltshire horn sheep breed	L-80350	C0324142
SCT	45790002	American Albino horse breed	L-80405	C0324147
SCT	90050009	American Buckskin horse breed	L-80406	C0324148
SCT	26837006	American cream horse breed	L-80407	C0324149
SCT	54699009	American miniature horse breed	L-80408	C0324150
SCT	7623008	American paint horse breed	L-80409	C0324151
SCT	42724005	American saddlebred horse breed	L-80410	C0324152
SCT	26973000	American trotter horse breed	L-80411	C0324153
SCT	72394007	American tunis horse breed	L-80412	C0324154
SCT	80777007	Andalusian horse breed	L-80413	C0324155
SCT	55167009	Appaloosa horse breed	L-80414	C0324156
SCT	54098002	Arabian horse breed	L-80415	C0324157
SCT	22720009	Belgian horse breed	L-80416	C0324158
SCT	47842004	Canadian horse breed	L-80417	C0324159
SCT	41092008	Cleveland bay horse breed	L-80418	C0324160
SCT	1247002	Clydesdale horse breed	L-80419	C0324161
SCT	89648005	Fjord horse breed	L-80421	C0324162
SCT	6220006	Galiceno horse breed	L-80422	C0324163
SCT	112488001	Hackney horse breed	L-80423	C0324164
SCT	54447000	Haflinger horse breed	L-80424	C0324165
SCT	66168008	Hanoverian horse breed	L-80425	C0324166
SCT	25813002	Holsteiner horse breed	L-80426	C0324167
SCT	19356005	Hunter horse breed	L-80427	C0324168
SCT	70457009	Icelandic horse breed	L-80428	C0324169
SCT	41754002	Lipizzaner horse breed	L-80429	C0324170
SCT	12360007	Missouri fox trotting horse breed	L-80430	C0324171
SCT	21295007	Morgan horse breed	L-80431	C0324172
SCT	26699009	New Forest pony horse breed	L-80433	C0324173

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	39532001	Norman coach horse breed	L-80435	C0324174
SCT	41738000	Palomino horse breed	L-80436	C0324175
SCT	56086005	Paso Fino horse breed	L-80437	C0324176
SCT	1006005	Percheron horse breed	L-80438	C0324177
SCT	4960000	Peruvian Paso horse breed	L-80439	C0324178
SCT	58264006	Pinto horse breed	L-80440	C0324179
SCT	3997000	Pony horse breed	L-80450	C0324180
SCT	46408008	American pony horse breed	L-80451	C0324181
SCT	69067004	Shetland pony horse breed	L-80452	C0324182
SCT	396488006	Ariégeois pony horse breed	L-80453	C1321492
SCT	76467006	Quarter horse breed	L-80454	C0324183
SCT	13487004	Shire horse breed	L-80455	C0324184
SCT	76302002	Spanish mustang horse breed	L-80456	C0324185
SCT	34200004	Standardbred horse breed	L-80457	C0324186
SCT	53567001	Suffolk horse breed	L-80458	C0324187
SCT	51023000	Tennessee walking horse breed	L-80459	C0324188
SCT	1789009	Trakehner horse breed	L-80461	C0324190
SCT	1118004	Viking horse breed	L-80462	C0324191
SCT	8089006	Welsh walking horse breed	L-80463	C0324192
SCT	25369002	Westphalian horse breed	L-80464	C0324193
SCT	31633003	Yorkshire coach horse breed	L-80465	C0324194
SCT	425253007	Draft pony superbreed horse breed	L-80495	C1827769
SCT	425118005	American draft pony horse breed	L-804A0	C1827471
SCT	424111008	Pindos pony horse breed	L-804B0	C1828122
SCT	423926000	Skyros pony horse breed	L-804C0	C1827647
SCT	48394005	Beltsville pig breed	L-80505	C0324195
SCT	112489009	Berkshire pig breed	L-80510	C0324225
SCT	33551003	Kentucky red berkshire pig breed	L-80511	C0324199
SCT	74899005	Boar power pig breed	L-80520	C0324200
SCT	76364003	Boar power pig 27 pig breed	L-80521	C0324201
SCT	32297006	Boar power pig 48 pig breed	L-80522	C0324202
SCT	53431006	Boar power pig 59 pig breed	L-80523	C0324203
SCT	18212001	Boar power pig 72 pig breed	L-80524	C0324204
SCT	30720007	Boar power pig 84 pig breed	L-80525	C0324205
SCT	68512002	Boar power pig 141 pig breed	L-80526	C0324206
SCT	74970001	Boar power pig 161 pig breed	L-80527	C0324207
SCT	87061000	Boar power pig 282 pig breed	L-80528	C0324208
SCT	56084008	Boar power pig 292 pig breed	L-80529	C0324209
SCT	24319000	Boar power pig 414 pig breed	L-80530	C0324210
SCT	43500007	Boar power pig 454 pig breed	L-80531	C0324211
SCT	84315000	Boar power pig 474 pig breed	L-80532	C0324212

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	61036003	Boar power pig 545 pig breed	L-80533	C0324213
SCT	29223008	Boar power pig 565 pig breed	L-80534	C0324214
SCT	33212007	Boar power pig 616 pig breed	L-80535	C0324215
SCT	48470006	Boar power pig 656 pig breed	L-80536	C0324216
SCT	84081007	Boar power pig 747 pig breed	L-80537	C0324217
SCT	34595003	Boar power pig 828 pig breed	L-80538	C0324218
SCT	25856007	Boar power pig 929 pig breed	L-80539	C0324219
SCT	22506004	British lop pig breed	L-80540	C0324220
SCT	15961007	British saddleback pig breed	L-80541	C0324221
SCT	24840008	CPF pig breed	L-80550	C0324222
SCT	69461005	Chester white pig breed	L-80553	C0324225
SCT	29881002	Connor prairie pig breed	L-80554	C0324226
SCT	74921000	DK pig breed	L-80560	C0324227
SCT	41561001	DK pig 30 pig breed	L-80561	C0324228
SCT	36570001	DK pig 31 pig breed	L-80562	C0324229
SCT	6053007	DK pig 33 pig breed	L-80563	C0324230
SCT	8516002	DK pig 51 pig breed	L-80564	C0324231
SCT	61973002	DK pig 61 pig breed	L-80565	C0324232
SCT	112490000	DK pig 63 pig breed	L-80566	C0324233
SCT	11161001	DK pig 77 pig breed	L-80567	C0324234
SCT	3260001	Duroc pig breed	L-80568	C0324235
SCT	89928000	FHC pig breed	L-80570	C0324236
SCT	45635003	FHC elite pig 1 pig breed	L-80571	C0324237
SCT	59667000	FHC elite pig 2 pig breed	L-80572	C0324238
SCT	24111007	FHC elite pig 3 pig breed	L-80573	C0324239
SCT	47795006	FHC elite pig 4 pig breed	L-80574	C0324240
SCT	67720004	FHC elite pig 5 pig breed	L-80575	C0324241
SCT	49462008	FHC elite pig 6 pig breed	L-80576	C0324242
SCT	32683006	FHC elite pig 7 pig breed	L-80577	C0324243
SCT	73005003	FHC elite pig 8 pig breed	L-80578	C0324244
SCT	14063001	FHC elite pig 9 pig breed	L-80579	C0324245
SCT	90885005	Gloucester old spot pig breed	L-8057A	C0324246
SCT	20280002	Hampshire pig breed	L-80580	C0324247
SCT	19770007	Hereford pig breed	L-80581	C0324248
SCT	86694007	Hormel miniature pig breed	L-80582	C0324249
SCT	69602006	Kleen leen pig breed	L-80590	C0324250
SCT	36111002	Kleen leen black pig breed	L-80591	C0324251
SCT	84232003	Kleen leen red pig breed	L-80592	C0324252
SCT	57613003	Kleen leen white pig breed	L-80593	C0324253
SCT	30448006	Lacombe pig breed	L-80594	C0324254
SCT	80131009	Landrace pig breed	L-80600	C0324255

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	10261003	Belgium landrace pig breed	L-80601	C0324256
SCT	78994007	British landrace pig breed	L-80602	C0324257
SCT	84528008	Danish landrace pig breed	L-80603	C0324258
SCT	58311005	Dutch landrace pig breed	L-80604	C0324259
SCT	8970009	French landrace pig breed	L-80605	C0324260
SCT	8763002	German landrace pig breed	L-80606	C0324261
SCT	71923001	Italian landrace pig breed	L-80607	C0324262
SCT	42948007	Norwegian landrace pig breed	L-80608	C0324263
SCT	12407009	Swedish landrace pig breed	L-80609	C0324264
SCT	21021000	Large black pig breed	L-80610	C0324265
SCT	77236002	Large white pig breed	L-80611	C0324266
SCT	80084005	Lucie pig breed	L-80612	C0324267
SCT	60958006	Maryland pig breed	L-80620	C0324268
SCT	82909008	Middle white pig breed	L-80622	C0324270
SCT	61083001	Minnesota pig breed	L-80630	C0324271
SCT	74517004	Montana pig breed	L-80640	C0324275
SCT	9135003	OIC pig breed	L-80642	C0324277
SCT	5227002	Oxford sandy block pig breed	L-80643	C0324278
SCT	49240006	Palouse pig breed	L-80644	C0324279
SCT	75709004	Pic pig breed	L-80650	C0324280
SCT	17717005	Pic Cambourgh pig breed	L-80651	C0324281
SCT	86440008	Pic line pig 24 pig breed	L-80652	C0324282
SCT	29235007	Pic line pig 26 pig breed	L-80653	C0324283
SCT	20044005	Pietrain pig breed	L-80654	C0324284
SCT	79814001	Poland China pig breed	L-80655	C0324285
SCT	74568001	Red wattle pig breed	L-80656	C0324286
SCT	80979001	San Pierre pig breed	L-80657	C0324287
SCT	36187006	Spotted pig breed	L-80658	C0324288
SCT	30634003	Tamworth pig breed	L-80659	C0324289
SCT	54232006	Welsh pig breed	L-80660	C0324290
SCT	73648005	Wessex saddleback pig breed	L-80661	C0324291
SCT	85315007	Yorkshire pig breed	L-80662	C0324292
SCT	15443006	Yuca pig breed	L-80663	C0324293
SCT	12390000	American pit bull terrier dog breed	L-80731	C0324323
SCT	86593006	Colored bull terrier dog breed	L-80732	C0324324
SCT	83216009	Staffordshire bull terrier dog breed	L-80733	C0324325
SCT	42902003	White bull terrier dog breed	L-80734	C0324326
SCT	9761009	Chihuahua superbreed dog breed	L-80740	C0324331
SCT	36611001	Long coat chihuahua dog breed	L-80741	C0324332
SCT	15966002	Short coat chihuahua dog breed	L-80742	C0324333

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	57349006	Long and short coat chihuahua dog breed	L-80743	C0324334
SCT	75911001	Bearded collie dog breed	L-80751	C0324337
SCT	31377001	Rough collie dog breed	L-80752	C0324338
SCT	58341007	Rough and smooth dog breed	L-80753	C0324339
SCT	10544000	Smooth collie dog breed	L-80754	C0324340
SCT	63269002	American coonhound dog breed	L-80761	C0324342
SCT	45561005	Black and tan coonhound dog breed	L-80762	C0324343
SCT	55959002	Blue tick coonhound dog breed	L-80763	C0324344
SCT	31281003	English coonhound dog breed	L-80764	C0324345
SCT	25171009	Redbone coonhound dog breed	L-80765	C0324346
SCT	57120006	Treeing walker coonhound dog breed	L-80766	C0324347
SCT	57429001	Longhaired miniature dachshund dog breed	L-80771	C0324349
SCT	112493003	Smooth miniature dachshund dog breed	L-80772	C0324350
SCT	56243001	Wirehaired miniature dachshund dog breed	L-80773	C0324351
SCT	59492009	Longhaired standard dachshund dog breed	L-80774	C0324352
SCT	69862006	Smooth standard dachshund dog breed	L-80775	C0324353
SCT	36274006	Wirehaired standard dachshund dog breed	L-80776	C0324354
SCT	132369002	Dachshund, Miniature dog breed	L-8077A	C1296662
SCT	416885007	Standard dachshund dog breed	L-8077B	C1562201
SCT	31392000	American eskimo dog breed	L-80791	C0324362
SCT	91553005	Canadian eskimo dog breed	L-80792	C0324363
SCT	35802007	Fox terrier superbreed dog breed	L-807A0	C0324365
SCT	8351009	Smooth fox terrier dog breed	L-807A1	C0324366
SCT	41584008	Wire fox terrier dog breed	L-807A2	C0324367
SCT	26639007	Toy fox terrier dog breed	L-807A3	C0324368
SCT	5306005	Manchester terrier superbreed dog breed	L-80800	C0324396
SCT	1420005	German longhaired pointer dog breed	L-80821	C0324414
SCT	86767001	German shorthaired pointer dog breed	L-80822	C0324415
SCT	25264009	German wirehaired pointer dog breed	L-80823	C0324416
SCT	15171008	Poodle superbreed dog breed	L-80830	C0324418
SCT	25243005	Toy poodle dog breed	L-80831	C0324419
SCT	40121001	Miniature poodle dog breed	L-80832	C0324420
SCT	507002	Standard poodle dog breed	L-80833	C0324421

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	13248002	Chesapeake Bay retriever dog breed	L-80841	C0324427
SCT	38449002	Curly-coated retriever dog breed	L-80842	C0324428
SCT	9528004	Flat-coated retriever dog breed	L-80843	C0324429
SCT	58108001	Golden retriever dog breed	L-80844	C0324430
SCT	62137007	Labrador retriever dog breed	L-80845	C0324431
SCT	26229008	Nova Scotia duck tolling retriever dog breed	L-80846	C0324432
SCT	91429002	Schnauzer superbreed dog breed	L-80860	C0324438
SCT	300004	Miniature schnauzer dog breed	L-80861	C0324439
SCT	57947002	Giant schnauzer dog breed	L-80862	C0324440
SCT	69592005	Standard schnauzer dog breed	L-80863	C0324441
SCT	84367001	English setter dog breed	L-80871	C0324445
SCT	57849000	Gordon setter dog breed	L-80872	C0324446
SCT	11477006	Irish setter dog breed	L-80873	C0324447
SCT	31971008	American water spaniel dog breed	L-80881	C0324455
SCT	12091005	Brittany spaniel dog breed	L-80882	C0324456
SCT	67977006	Clumber spaniel dog breed	L-80883	C0324457
SCT	22697009	American cocker spaniel dog breed	L-80884	C0324458
SCT	82206008	Black cocker spaniel dog breed	L-80885	C0324459
SCT	30565000	A.S.C.O.B. cocker spaniel dog breed	L-80886	C0324460
SCT	58888001	Parti-color cocker spaniel dog breed	L-80887	C0324461
SCT	62228004	English Springer spaniel dog breed	L-80888	C0324462
SCT	27385008	Field spaniel dog breed	L-80889	C0324463
SCT	34870009	Irish water spaniel dog breed	L-80891	C0324465
SCT	80576000	Sussex spaniel dog breed	L-80892	C0324466
SCT	40898002	Welsh Springer spaniel dog breed	L-80893	C0324467
SCT	21418008	English cocker spaniel dog breed	L-80894	C0324468
SCT	52105008	Vizsla superbreed dog breed	L-80900	C0324473
SCT	90444005	Smooth haired vizsla dog breed	L-80901	C0324474
SCT	583000	Wirehaired vizsla dog breed	L-80902	C0324475
SCT	37024005	Welsh corgi superbreed dog breed	L-80910	C0324478
SCT	60517007	Cardigan Welsh corgi dog breed	L-80911	C0324479
SCT	46725009	Pembroke Welsh corgi dog breed	L-80912	C0324480
SCT	406725008	Alaskan Klee Kai dog breed	L-88106	C1318889
SCT	409926004	Anatolian shepherd dog breed	L-88107	C1444156
SCT	416840006	Boerboel dog breed	L-88108	C1562437
SCT	426571006	Victorian Bulldogge dog breed	L-8810A	C1960598
SCT	413488005	American bobtail cat breed	L-8880C	C1531503
SCT	417277001	Pixie-bob cat breed	L-8880D	C1563194
SCT	407402001	Warmblood horse breed	L-8A105	C1319938
SCT	406711007	Brabant horse breed	L-8A106	C1318886

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	125084002	Equus caballus gmelini horse breed	L-8A10B	C1265528
SCT	406714004	Gypsy Vanner horse breed	L-8A10C	C1320154
SCT	406715003	Murgese horse breed	L-8A10D	C1320155
SCT	427136006	Saddlebred horse superbreed horse breed	L-8A114	C1960600
SCT	406663005	Ukrainian steppe white pig breed	L-8B102	C1320232
SCT	125091004	Bos taurus indicus cow breed	L-8B943	C1136004
SCT	385474004	Bos taurus taurus subspecies domestic European cow breed	L-8B946	C1272763
SCT	409908002	Masai cow breed	L-8B948	C1444150
SCT	425181009	Bos taurus X Bison bison hybrid cow breed	L-8B949	C3164484
SCT	406660008	Galway sheep breed	L-8C339	C1318989
SCT	132901006	New Zealand rabbit breed	L-86B49	C0324547

CID 7481 Breed Registry

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20060822**
UID: **1.2.840.10008.6.1.530**

Table CID 7481. Breed Registry

Coding Scheme Designator	Code Value	Code Meaning
DCM	109200	America Kennel Club
DCM	109201	America's Pet Registry Inc.
DCM	109202	American Canine Association
DCM	109203	American Purebred Registry
DCM	109204	American Rare Breed Association
DCM	109205	Animal Registry Unlimited
DCM	109206	Animal Research Foundation
DCM	109207	Canadian Border Collie Association
DCM	109208	Canadian Kennel Club
DCM	109209	Canadian Livestock Records Association
DCM	109210	Canine Federation of Canada
DCM	109211	Continental Kennel Club
DCM	109212	Dog Registry of America
DCM	109213	Federation of International Canines
DCM	109214	International Progressive Dog Breeders' Alliance
DCM	109215	National Kennel Club
DCM	109216	North American Purebred Dog Registry
DCM	109217	United All Breed Registry
DCM	109218	United Kennel Club
DCM	109219	Universal Kennel Club International

Coding Scheme Designator	Code Value	Code Meaning
DCM	109220	Working Canine Association of Canada
DCM	109221	World Kennel Club
DCM	109222	World Wide Kennel Club

Note

The contents of this table were derived from the information available at http://www.canadasguidetodogs.com/breederinfo/breedregistries.htm.

CID 7482 DX Anatomy Imaged for Animals

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090717**
UID: **1.2.840.10008.6.1.814**

Table CID 7482. DX Anatomy Imaged for Animals

Coding Scheme Designator	Code Value	Code Meaning
Include CID 7483 “Common Anatomic Regions for Animals”		

CID 7483 Common Anatomic Regions for Animals

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.815**

Table CID 7483. Common Anatomic Regions for Animals

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Notes
SCT	113345001	Abdomen	T-D4000	C0000726	
SCT	42694008	All legs	T-D8030	C0230331	
SCT	62555009	Atlantal-axial joint	T-15317	C0224585	
SCT	20292002	Atlanto-occipital joint	T-15311	C0004169	
SCT	89837001	Bladder	T-74000	C0005682	
SCT	82474009	Calcaneal tubercle	T-12771	C0223921	See Note 1.
SCT	8205005	Carpus	T-D8600	C0043262	See Note 2.
SCT	122494005	Cervical spine	T-11501	C0728985	
SCT	297171002	Cervico-thoracic spine	T-D00F7	C0729373	
SCT	51185008	Chest	T-D3000	C0817096	
SCT	416550000	Chest and Abdomen	R-FAB55	C1442171	
SCT	18149002	Coccygeal vertrebrae	T-11B00	C0223616	See Note 3.
SCT	71854001	Colon	T-59300	C0009368	
SCT	82680008	Digit	T-D0310	C0582802	
UMLS	C3669027	Distal phalanx		C3669027	

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Notes
SCT	16953009	Elbow joint	T-15430	C0013770	
SCT	38266002	Entire body	T-D0010	C0229960	
SCT	32849002	Esophagus	T-56000	C0014876	
SCT	71341001	Femur	T-12710	C0015811	
SCT	13190002	Fetlock of forelimb	T-D8640	C0521445	
SCT	113351006	Fetlock of hindlimb	T-D9540	C0521446	
SCT	419176008	Forefoot	T-D04F2	C1630649	
SCT	55060009	Frontal sinus	T-22200	C0016734	
SCT	416804009	Hindfoot	T-D9713	C0230459	
SCT	24136001	Hip joint	T-15710	C0019558	
SCT	85050009	Humerus	T-12410	C0020164	
SCT	122496007	Lumbar spine	T-11503	C0024091	
SCT	297173004	Lumbo-sacral spine	T-D00F9	C0574025	
SCT	91609006	Mandible	T-11180	C0024687	
SCT	88176008	Mandibular dental arch	T-54170	C0227027	
SCT	442274007	Mandibular incisor teeth	T-540EE	C2711599	
SCT	39481002	Maxillary dental arch	T-54160	C0227026	
SCT	442100006	Maxillary incisor teeth	T-540ED	C2711204	
SCT	36455000	Metacarpus	T-12540	C0025526	
SCT	280711000	Metatarsus	T-12847	C0025590	
SCT	2095001	Nasal sinus	T-22000	C0030471	
SCT	30518006	Navicular of forefoot	T-12450	C0223724	See Note 4.
SCT	75772009	Navicular of hindfoot	T-12800	C0223947	See Note 4.
SCT	363654007	Orbital structure	T-D14AE	C0029180	
SCT	31329001	Pastern of forefoot	T-D8650	C0230368	
SCT	18525008	Pastern of hindfoot	T-D9550	C0230455	
SCT	64234005	Patella	T-12730	C0030647	
SCT	12921003	Pelvis	T-D6000	C0030797	
SCT	110535000	Radius and ulna	T-12403	C1267080	
SCT	54735007	Sacrum	T-11AD0	C0036037	
SCT	16982005	Shoulder	T-D2220	C0037004	
SCT	89546000	Skull	T-11100	C0037303	
SCT	116010006	Stiffle	T-15728	C1456798	
SCT	108371006	Tarsus	T-12761	C0039316	See Note 5.
SCT	122495006	Thoracic spine	T-11502	C0581269	
SCT	297172009	Thoraco-lumbar spine	T-D00F8	C0729374	
SCT	110536004	Tibia and fibula	T-12701	C0224692	
SCT	62834003	Upper gastro-intestinal tract	T-50110	C3203348	

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Notes
SCT	13648007	Urethra	T-75000	C0041967	
SCT	431938005	Urinary tract	T-7000C	C2316969	
SCT	53036007	Wing	T-D8040	C0043189	

Note

1. T-12771 is used in preference to (80144004, SCT, "Calcaneus").
2. T-D8600 is used in preference to carpal (wrist) joint.
3. T-11B00 is used in preference to (64688005, SCT, "coccyx") as used for humans, since the animal possess a tail.
4. T-12800 assumes correspondence between equine hindfoot and human navicular, and T-12450 the equine forefoot navicular and human scaphoid (distal sesamoid).
5. T-12761 is used for the hock joint.
6. In a prior version of this table, the code T-D8300 was used for T-15430. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 7484 DX View for Animals

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090717**
UID: **1.2.840.10008.6.1.816**

Table CID 7484. DX View for Animals

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Equivalent per Smallwood et al (see Note 1)	View Position (0018,5101) (see Note 2)
SCT	442604001	Caudodistal-cranioproximal oblique	R-40AC9	C2711875	CdDi-CrPrO	CDDI_CRPRO
DCM	123019	Caudal 10 degree distal-cranioproximal oblique			Cd10Di-CrPrO	CD10DI_CRPRO
SCT	399196006	Caudocranial	R-10244	C1302249	CdCr	CDCR
SCT	441672003	Dorso-ventral	R-40AAC	C2711888	DV	DV
SCT	442657000	Dorsolateral-palmaromedial oblique	R-40AE8	C2711164	DL-PaMO	DL_PAMO
SCT	442746003	Dorsal 35 degree lateral-palmaromedial oblique	R-40AFC	C2711306	D35L-PaMO	D35L_PAMO
SCT	442597009	Dorsal 45 degree lateral-palmaromedial oblique	R-40AC2	C2711375	D40L-PaMO	D40L_PAMO
SCT	442639001	Dorsal 60 degree lateral-palmaromedial oblique	R-40AE1	C2711552	D60L-PaMO	D60L_PAMO
SCT	442610001	Dorsolateral-plantaromedial oblique	R-40ACF	C2711357	DL-PlMO	DL_PLMO
SCT	442606004	Dorsal 35 degree lateral-plantaromedial oblique	R-40ACB	C2711526	D35L-PlMO	D35L_PLMO
SCT	442585008	Dorsal 40 degree lateral-plantaromedial oblique	R-40AB6	C2711113	D40L-PlMO	D40L_PLMO
SCT	442643002	Dorsal 45 degree lateral-plantaromedial oblique	R-40AE4	C2711847	D45L-PlMO	D45L_PLMO

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Equivalent per Smallwood et al (see Note 1)	View Position (0018,5101) (see Note 2)
SCT	442601009	Dorsal 60 degree lateral-plantaromedial oblique	R-40AC6	C2711458	D60L-PlMO	D60L_PLMO
SCT	442729001	Dorsomedial-palmarolateral	R-40AF2	C2711331	DM-PaLO	DM_PALO
SCT	442583001	Dorsal 35 degree medial-palmarolateral oblique	R-40AB5	C2711696	D35M-PaLO	D35M_PALO
SCT	442621005	Dorsal 40 degree medial-palmarolateral oblique	R-40AD2	C2711285	D40M-PaLO	D40M_PALO
SCT	442623008	Dorsal 45 degree medial-palmarolateral	R-40AD4	C2711915	D45M-PaLO	D45M_PALO
SCT	442602002	Dorsal 60 degree medial-palmarolateral oblique	R-40AC7	C2711324	D60M-PaLO	D60M_PALO
SCT	442611002	Dorsomedial-plantarolateral oblique	R-40AD0	C2711889	DM-PlLO	DM_PLLO
SCT	442608003	Dorsal 35 degree medial-plantarolateral oblique	R-40ACD	C2711459	D35M-PlLO	D35M_PLLO
SCT	442622003	Dorsal 40 degree medial-plantarolateral oblique	R-40AD3	C2711796	D40M-PlLO	D40M_PLLO
SCT	442600005	Dorsal 45 degree medial-plantarolateral oblique	R-40AC5	C2711927	D45M-PlLO	D45M_PLLO
SCT	442641000	Dorsal 60 degree medial-plantarolateral oblique	R-40AE3	C2711111	D60M-PlLO	D60M_PLLO
SCT	441505008	Dorsopalmar	R-40AA9	C2711365	DPa	DPA
SCT	399335002	Dorsoplantar	R-102C4	C1302328	DPl	DPL
SCT	442744000	Dorsoproximal-palmarodistal oblique	R-40AFA	C2711302	DPr-PaDiO	DPR_PADIO
SCT	442609006	Dorsal 65 degree proximal-palmarodistal oblique	R-40ACE	C2711982	D65Pr-PaDiO	D65PR_PADIO
SCT	442592003	Dorsoproximal-plantarodistal oblique	R-40ABD	C2711493	DPr-PlDiO	DPR_PLDIO
SCT	442624002	Dorsal 65 degree proximal-plantarodistal oblique	R-40AD5	C2711492	D65Pr-PlDiO	D65PR_PLDIO
SCT	442659002	Dorsorostral-ventrocaudal oblique	R-40AEA	C2711349	DR-VcdO	DR_VCDO
SCT	442745004	Dorsal 20 degree rostral-ventrocaudal oblique	R-40AFB	C2711857	D20R-VcdO	D20R_VCDO
SCT	442630002	Laterodorsoproximal-mediopalmarodistal oblique	R-40ADB	C2711603	LDPr-MpaDiO	LDPR_MPADIO
SCT	442582006	Lateral 45 deg dorsal 50 deg proximal-mediopalmarodistal oblique	R-40AB4	C2711607	L45D50Pr-MpaDiO	L45D50PR_MPADIO
SCT	442631003	Laterodorsoproximal-medioplantarodistal oblique	R-40ADC	C2711280	LDPr-MplDiO	LDPR_MPLDIO
SCT	442661006	Lateral 45 deg dorsal 50 deg proximal-medioplantarodistal obliq	R-40AEC	C2711341	L45D50Pr-MplDiO	L45D50PR_MPLDIO
SCT	399352003	Lateromedial	R-10228	C1302336	LM	LM
SCT	442638009	Left caudal-right rostral oblique	R-40AE0	C2711676	LeCd-RtRO	LECD_RTRO
SCT	442596000	Left 30 degree caudal-right rostral oblique	R-40AC1	C2711191	Le30Cd-RtRO	LE30CD_RTRO
SCT	442644008	Left dorsal-right ventral oblique	R-40AE5	C2711731	LeD-RtVO	LED_RTVO
SCT	442748002	Left 20 degree dorsal-right ventral oblique	R-40AFE	C2711090	Le20D-RtVO	LE20D_RTVO
SCT	442598004	Left 45 degree dorsal-right ventral oblique	R-40AC3	C2711566	Le45D-RtVO	LE45D_RTVO

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Equivalent per Smallwood et al (see Note 1)	View Position (0018,5101) (see Note 2)
SCT	442645009	Left rostral-right caudal oblique	R-40AE6	C2711712	LeR-RtCdO	LER_RTCDO
SCT	442632005	Left 20 degree rostral-right caudal oblique	R-40ADD	C2711611	Le20R-RtCdO	LE20R_RTCDO
SCT	442739007	Left ventral-right dorsal oblique	R-40AF5	C2711567	LeV-RtDO	LEV_RTDO
SCT	442636008	Left 20 degree ventral-right dorsal oblique	R-40ADE	C2711048	Le20V-RtDO	LE20V_RTDO
SCT	442599007	Left 45 degree ventral-right dorsal oblique	R-40AC4	C2711214	Le45V-RtDO	LE45V_RTDO
SCT	399198007	Left-right lateral	R-10232	C0442202	LeRtL	LERTL
SCT	399260004	Mediolateral	R-10224	C1302283	ML	ML
SCT	442742001	Palmaromedial-dorsolateral	R-40AF8	C2711713	PaM-DLO	PAM_DLO
SCT	442740009	Palmar 45 degree medial-dorsolateral	R-40AF6	C2711011	Pa45M-DLO	PA45M_DLO
SCT	442674000	Palmaroproximal-dorsodistal oblique	R-40AEE	C2711216	PaPr-DdiO	PAPR_DDIO
SCT	442591005	Palmar 75 degree proximal-dorsodistal oblique	R-40ABC	C2711901	Pa75Pr-DdiO	PA75PR_DDIO
SCT	442658005	Plantarolateral-dorsomedial oblique	R-40AE9	C2711876	PlL-DMO	PLL_DMO
SCT	442675004	Plantar 60 degree lateral-dorsomedial oblique	R-40AEF	C2711846	Pl60L-DMO	PL60L_DMO
SCT	442625001	Plantaroproximal-dorsodistal oblique	R-40AD6	C2711623	PlPr-DdiO	PLPR_DDIO
SCT	442603007	Plantar 75 degree proximal-dorsodistal oblique	R-40AC8	C2711019	Pl75Pr-DdiO	PL75PR_DDIO
SCT	442626000	Proximo-distal	R-40AD7	C2711034	PrDi	PRDI
SCT	442629007	Right caudal-left rostral oblique	R-40ADA	C2711940	RtCd-LeRO	RTCD_LERO
SCT	442605000	Right 30 degree caudal-left rostral oblique	R-40ACA	C2711100	Rt30Cd-LeRO	RT30CD_LERO
SCT	442607008	Right dorsal-left ventral oblique	R-40ACC	C2711018	RtD-LeVO	RTD_LEVO
SCT	442627009	Right 20 degree dorsal-left ventral oblique	R-40AD8	C2711553	Rt20D-LeVO	RT20D_LEVO
SCT	442660007	Right 45 degree dorsal-left ventral oblique	R-40AEB	C2711527	Rt45D-LeVO	RT45D_LEVO
SCT	442747007	Right rostral-left caudal oblique	R-40AFD	C2711062	RtR-LeCdO	RTR_LECDO
SCT	442743006	Right 20 degree rostral-left caudal oblique	R-40AF9	C2711101	Rt20R-LeCdO	RT20R_LECDO
SCT	442595001	Right ventral-left dorsal oblique	R-40AC0	C2711096	RtV-LeDO	RTV_LEDO
SCT	442612009	Right 20 degree ventral-left dorsal oblique	R-40AD1	C2711475	Rt20V-LeDO	RT20V_LEDO
SCT	442628004	Right 45 degree ventral-left dorsal oblique	R-40AD9	C2711108	Rt45V-LeDO	RT45V_LEDO
SCT	399173006	Right-left lateral	R-10236	C0442198	RtLeL	RTLEL
SCT	442690000	Rostrocaudal	R-40AF0	C2711917	RCd	RCD
SCT	442637004	Rostrodorsal-caudoventral oblique	R-40ADF	C2711827	RD-CdVO	RD_CDVO
SCT	442730006	Rostral 20 degree dorsal-caudoventral oblique	R-40AF3	C2711131	R20D-CdVO	R20D_CDVO
SCT	442586009	Rostroventral-caudodorsal	R-40AB7	C2711328	RV-CdDO	RV_CDDO
SCT	442588005	Rostral 30 degree ventral-caudodorsal	R-40AB9	C2711866	R30V-CdDO	R30V_CDDO
SCT	442590006	Ventral left-dorsal right oblique	R-40ABB	C2711811	VLe-DrtO	VLE_DRTO
SCT	442589002	Ventral 30 degree left-dorsal right oblique	R-40ABA	C2711892	V30Le-DrtO	V30LE_DRTO
SCT	442738004	Ventral right-dorsal left oblique	R-40AF4	C2711043	VRt-DleO	VRT_DLEO
SCT	442587000	Ventral 30 degree right-dorsal left oblique	R-40AB8	C2711044	V30Rt-DleO	V30RT_DLEO
SCT	442441009	Ventro-dorsal	R-40AB0	C2711041	VD	VD

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Equivalent per Smallwood et al (see Note 1)	View Position (0018,5101) (see Note 2)
SCT	442741008	Ventrorostral-dorsocaudal oblique	R-40AF7	C2711233	VR-DCdO	VR_DCDO
SCT	442721003	Ventral 20 degree rostral-dorsocaudal oblique	R-40AF1	C2711179	V20R-DCdO	V20R_DCDO

Note

1. The Smallwood et al equivalent may also be used as the Code Meaning (0008,0104) (i.e., as a synonym) in place of the full text described here, and as the value for View Name (0008,2127), if sent.
2. The Defined Terms for View Position are derived from the Smallwood et al equivalent by capitalizing and replacing hyphens with underscores.

CID 7486 Mixed Breeds

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080324**
UID: **1.2.840.10008.6.1.823**

Table CID 7486. Mixed Breeds

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	132653001	Mixed breed cat	L-80A74	C1269327
SCT	131607005	Mixed breed goat	L-80217	C1296064
SCT	132619000	Mixed breed dog	L-809DF	C1269316
SCT	406721004	Mixed breed horse	L-8A10F	C1320156
SCT	406722006	Mixed breed sheep	L-8C33A	C1320157
SCT	406723001	Mixed breed chicken	L-93791	C1320158
SCT	409906003	Mixed breed cattle	L-8B947	C1444148
SCT	417012009	Mixed breed pig	L-8B103	C1562822

CID 7490 Research Animal Source Registries

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.1063**

Table CID 7490. Research Animal Source Registries

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	126850	ILCR		

CID 7500 Neighbourhood Grey Tone Difference Based Features

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.1273**

Table CID 7500. Neighbourhood Grey Tone Difference Based Features

Coding Scheme Designator	Code Value	Code Meaning
IBSI	QCDE	Coarseness of NGTDM
IBSI	65HE	Contrast of NGTDM
IBSI	NQ30	Busyness of NGTDM
IBSI	HDEZ	Complexity of NGTDM
IBSI	1X9X	Strength of NGTDM

CID 7501 Neighbouring Grey Level Dependence Based Features

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190121**
UID: **1.2.840.10008.6.1.1274**

Table CID 7501. Neighbouring Grey Level Dependence Based Features

Coding Scheme Designator	Code Value	Code Meaning
IBSI	SODN	Low dependence emphasis
IBSI	IMOQ	High dependence emphasis
IBSI	TL9H	Low grey level count emphasis
IBSI	OAE7	High grey level count emphasis
IBSI	EQ3F	Low dependence low grey level emphasis
IBSI	JA6D	Low dependence high grey level emphasis
IBSI	NBZI	High dependence low grey level emphasis
IBSI	9QMG	High dependence high grey level emphasis
IBSI	FP8K	Grey level non-uniformity of NGLDM
IBSI	5SPA	Normalized grey level non-uniformity of NGLDM
IBSI	Z87G	Dependence count non-uniformity
IBSI	OKJI	Dependence count non-uniformity normalized
IBSI	6XV8	Dependence count percentage
IBSI	1PFV	Grey level variance of NGLDM
IBSI	DNX2	Dependence count variance
IBSI	FCBV	Dependence count entropy
IBSI	CAS9	Dependence count energy

CID 7600 Lymph Node Anatomic Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181110**
UID: **1.2.840.10008.6.1.1011**

Table CID 7600. Lymph Node Anatomic Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	8568009	abdominal lymph node	T-C4400	C0588058
SCT	25247006	anterior auricular lymph node	T-C4130	C0229713

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	5727003	anterior cervical lymph node	T-C4240	C0229734
SCT	5296000	anterior mediastinal lymph node	T-C4361	C0229758
SCT	303713004	anterior tibial lymph node	T-C4866	C0229861
SCT	35783009	aortic lymph node	T-C4480	C0229789
SCT	16051009	apical axillary lymph node	T-C4740	C0229842
SCT	46157003	appendicular lymph node	T-C4592	C0229805
SCT	68171009	axillary lymph node	T-C4710	C0729594
SCT	421624008	axillary vein lymph node	T-C471E	C0447170
SCT	143925009	buccinator lymph node	T-C4155	C0229720
SCT	371013005	cardiophrenic angle lymph node	T-C430A	C1299596
SCT	47985009	celiac lymph node	T-C4410	C0229766
SCT	283001	central axillary lymph node	T-C4730	C0229841
SCT	81105003	cervical lymph node	T-C4200	C0588054
SCT	8356004	colic lymph node	T-C4560	C0229800
SCT	280639005	common duct lymph node	T-C4446	C0229801
SCT	34775006	cubital lymph node	T-C4770	C0229846
SCT	280556009	cystic lymph node	T-C4445	C0229770
SCT	168360002	deep anterior cervical lymph node	T-C4019	C0229735
SCT	279145002	deep cervical lymph node	T-C4202	C0458298
SCT	65266007	deep inguinal lymph node	T-C4820	C0229850
SCT	75040000	deep intraparotid lymph node	T-C4143	C0229717
SCT	167864002	deep lateral cervical lymph node	T-C4018	C0229728
SCT	60996007	deep lymph node	T-C4002	C0229698
SCT	279142004	deep parotid lymph node	T-C4146	C0458295
SCT	35721009	deep popliteal lymph node	T-C4851	C0229857
SCT	167664004	delphian lymph node	T-C4263	C0229741
SCT	196751009	diaphragmatic lymph node	T-C4309	C0229762
SCT	60965003	epigastric lymph node	T-C4670	C0229829
SCT	28870006	epitrochlear lymph node	T-C4780	C0229847
SCT	11899006	esophageal lymph node	T-C4365	C0229760
SCT	65349008	external iliac lymph node	T-C4620	C0229815
SCT	421988007	external mammary lymph node	T-C471F	C0447171
SCT	363537007	extrapulmonary lymph node of lung	T-28812	C1285483
SCT	48918001	facial lymph node	T-C4150	C0229719
SCT	314736006	female genital lymph node	T-C463E	C1282339
SCT	31171007	fibular lymph node	T-C4863	C0229862
SCT	83380007	gastro-omental lymph node	T-C4458	C0229776
SCT	80867000	gluteal lymph node	T-C4631	C0229824
SCT	72381005	gut-associated lymph node	T-C4404	C0229765
SCT	18457007	hemolymph node	T-C3070	C0229690
SCT	61492009	hepatic lymph node	T-C4440	C0229769

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	127926002	highest mediastinal lymph node	T-C43A1	C1268042
SCT	53074004	hilar lymph node	T-C4320	C1305372
SCT	69255009	hypogastric lymph node	T-C4630	C0229823
SCT	281676003	ileocolic lymph node	T-C4563	C0229796
SCT	84219008	iliac lymph node	T-C4610	C0229807
SCT	155237005	inferior auricular lymph node	T-C421D	C0229714
SCT	40684008	inferior gluteal lymph node	T-C4632	C0229825
SCT	85380009	inferior inguinal lymph node	T-C4843	C0229855
SCT	113336002	inferior mesenteric lymph node	T-C4511	C0229793
SCT	280915003	inferior pancreatic lymph node	T-C447D	C0229787
SCT	281227003	inferior pancreaticoduodenal lymph node	T-C447F	C0229785
SCT	9659009	infraclavicular lymph node	T-C4280	C0229743
SCT	8928004	inguinal lymph node	T-C4810	C0729596
SCT	196821008	innominate lymph node	T-C4305	C0229763
SCT	64038003	intercostal lymph node	T-C4370	C0229761
SCT	279271008	interiliac lymph node	T-C4642	C0229821
SCT	127919002	interlobar lymph node of the lung	T-C4311	C1268034
SCT	64556009	intermediate common iliac lymph node	T-C4612	C0229809
SCT	50193000	intermediate external iliac lymph node	T-C4622	C0229817
SCT	420800007	interpectoral lymph node	T-C4753	C0447172
SCT	36251007	intestinal lymph node	T-C4500	C0229791
SCT	143824007	intraglandular parotid lymph node	T-C4147	C0229716
SCT	443808008	intramammary lymph node	T-C430B	C2733350
SCT	196662004	intrapulmonary lymph node	T-C4308	C0229749
SCT	58130000	jugular lymph node	T-C4230	C0229731
SCT	279609001	juxtaintestinal lymph node	T-C4423	C0229768
SCT	360993001	lacunar lymph node	T-C4602	C1283709
SCT	33770006	lateral axillary lymph node	T-C4720	C0229840
SCT	68915008	lateral cervical lymph node	T-C4210	C0229727
SCT	41145006	lateral common iliac lymph node	T-C4613	C0229810
SCT	40242007	lateral external iliac lymph node	T-C4623	C0229818
SCT	168159002	lateral jugular lymph node	T-C4238	C0229733
SCT	196587000	lateral pericardial lymph node	T-C4306	C0229748
SCT	167464007	lateral retropharyngeal lymph node	T-C4255	C0229739
SCT	278672000	lateral vesicular lymph node	T-C46AB	C0229835
SCT	127920008	lobar lymph node of the lung	T-C4312	C1268035
SCT	285429007	lower deep cervical lymph node	T-C421A	C0563315
SCT	245323006	lower jugular lymph node	T-C4237	C0447166
SCT	4942000	lower limb lymph node	T-C4800	C0729767

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	127932007	lower paratracheal (including azygous) lymph node	T-C43A7	C1268048
SCT	8334002	lumbar lymph node	T-C4490	C0229790
SCT	110550009	lung and tracheobronchial lymph nodes	T-28910	C1267244
SCT	59441001	lymph node	T-C4000	C0024204
SCT	127937001	lymph node of aortic arch	T-C43AC	C1268053
SCT	127938006	lymph node of aortopulmonary window	T-C43AD	C1268054
SCT	68878000	lymph node of epiploic foramen	T-C4442	C0229771
SCT	76878005	lymph node of greater curvature of stomach	T-C4456	C0229774
SCT	13482005	lymph node of head	T-C4100	C0229710
SCT	312501005	lymph node of head and neck	T-C4004	C0729853
SCT	279784003	lymph node of lesser curvature of stomach	T-C4452	C0229773
SCT	312503008	lymph node of limb	T-C4005	C0729855
SCT	279795009	lymph node of mesentery	T-C4401	C0229792
SCT	314730000	lymph node of stomach	T-C4414	C1282334
SCT	127941002	lymph node of the pulmonary ligament	T-C43B3	C1268057
SCT	47109002	lymph node of thorax	T-C4300	C0229745
SCT	312502003	lymph node of trunk	T-D200A	C0729854
SCT	279866008	lymph node ring of cardia of stomach	T-C4453	C0229775
SCT	155338003	mandibular lymph node	T-C4102	C0229724
SCT	279143009	mastoid lymph node	T-C4154	C0458296
SCT	34625003	medial common iliac lymph node	T-C4611	C0229808
SCT	42472007	medial external iliac lymph node	T-C4621	C0229816
SCT	23198005	medial lacunar lymph node	T-C4624	C0229819
SCT	167364008	median retropharyngeal lymph node	T-C4254	C0229738
SCT	62683002	mediastinal lymph node	T-C4360	C0588055
SCT	299993000	mesenteric artery lymph node	T-C4417	C0576734
SCT	279795009	mesenteric lymph node	T-C4401	C0229792
SCT	282031000	midcolic lymph node	T-C4565	C0229798
SCT	285427009	middle deep cervical lymph node	T-C4219	C0563313
SCT	245322001	middle jugular lymph node	T-C4236	C0447167
SCT	144026003	nasolabial lymph node	T-C4156	C0229721
SCT	36086000	obturator lymph node	T-C4626	C0229822
SCT	3916005	occipital lymph node	T-C4110	C0229711
SCT	77778009	pancreatic lymph node	T-C4474	C0229783
SCT	76659008	pancreaticoduodenal lymph node	T-C4475	C0229784
SCT	16050005	pancreaticosplenic lymph node	T-C4470	C0229781
SCT	127939003	para-aortic lymph node of the anterior mediastinum	T-C43AE	C1268055

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	127940001	paraesophageal lymph node below carina	T-C43B2	C1268056
SCT	368550005	paramammary lymph node	T-C4752	C0229845
SCT	3243006	parametrial lymph node	T-C4660	C0229828
SCT	21875007	pararectal lymph node	T-C46A5	C0229837
SCT	82365008	parasternal lymph node	T-C4350	C0229755
SCT	65690001	paratracheal lymph node	T-C4340	C0229754
SCT	16228004	paravaginal lymph node	T-C46A4	C0229836
SCT	1439000	paravesicular lymph node	T-C46A0	C0229832
SCT	10209003	parotid lymph node	T-C4140	C0229715
SCT	69691007	pectoral axillary lymph node	T-C4750	C0229843
SCT	54268001	pelvic lymph node	T-C4600	C0729595
SCT	245344006	perigastric lymph node	T-C4411	C0733937
SCT	245346008	peripancreatic lymph node	T-C447A	C0733938
SCT	47471008	popliteal lymph node	T-C4850	C0588057
SCT	245328002	postauricular lymph node	T-C4217	C0229712
SCT	30793004	posterior auricular lymph node	T-C4120	C0229712
SCT	25447008	posterior mediastinal lymph node	T-C4362	C0229759
SCT	303623000	posterior tibial lymph node	T-C4867	C0229860
SCT	245324000	posterior triangle cervical lymph node	T-C4216	C0447168
SCT	278571002	postvesicular lymph node	T-C46AA	C0229834
SCT	281765006	prececal lymph node	T-C4522	C0229803
SCT	48193007	prefemoral lymph node	T-C4822	C0229851
SCT	74203007	prelaryngeal lymph node	T-C4260	C0229740
SCT	196516004	prepericardial lymph node	T-C437C	C0229747
SCT	6413002	presymphysial lymph node	T-C4680	C0229830
SCT	168460001	pretracheal lymph node	T-C4244	C0229742
SCT	127930004	prevascular/retrotracheal lymph node	T-C43A5	C1268046
SCT	196446004	prevertebral lymph node	T-C4307	C0229746
SCT	11740004	prevesicular lymph node	T-C46A1	C0229833
SCT	279189002	promontory common iliac lymph node	T-C4641	C0229813
SCT	24889003	pyloric lymph node	T-C4460	C0229777
SCT	312500006	regional lymph node	T-C4003	C0729852
SCT	249708006	renal hilar lymph node	T-C4582	C0278453
SCT	281847004	retrocecal lymph node	T-C4523	C0229804
SCT	91394001	retroperitoneal lymph node	T-C4580	C0229802
SCT	25683005	retropharyngeal lymph node	T-C4250	C0229737
SCT	280402004	retropyloric lymph node	T-C4467	C0229780
SCT	127931000	retrotracheal lymph node (mediastinal)	T-C43A6	C1268047
SCT	79926007	sacral lymph node	T-C4650	C0229827
SCT	81132008	scalene lymph node	T-C4290	C0229744

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	127921007	segmental lymph node of the lung	T-C4313	C1268036
SCT	30024008	sigmoid lymph node	T-C4512	C0229794
SCT	280824006	splenic lymph node	T-C4473	C0229782
SCT	60227002	subaortic common iliac lymph node	T-C4614	C1305374
SCT	28330007	subcarinal lymph node	T-C4332	C0229753
SCT	421861001	subclavian lymph node	T-C4722	C0447173
SCT	113338001	subiliac lymph node	T-C4616	C0229814
SCT	59503006	submandibular lymph node	T-C4160	C0229722
SCT	144127009	submaxillary lymph node	T-C4157	C0229725
SCT	46055009	submental lymph node	T-C4170	C0229723
SCT	280314006	subpyloric lymph node	T-C4466	C0229779
SCT	12196003	subscapular axillary lymph node	T-C4760	C1735587
SCT	127922000	subsegmental lymph node of the lung	T-C4314	C1268037
SCT	168557005	superficial anterior cervical lymph node	T-C401A	C0229736
SCT	279144003	superficial cervical lymph node	T-C4201	C0458297
SCT	113340006	superficial inguinal lymph node	T-C4840	C0229852
SCT	68339009	superficial intraparotid lymph node	T-C4144	C0229718
SCT	167965000	superficial lateral cervical lymph node	T-C421E	C0229729
SCT	90606007	superficial lymph node	T-C4001	C0229697
SCT	279141006	superficial parotid lymph node	T-C4145	C0458294
SCT	12728001	superficial popliteal lymph node	T-C4852	C0229858
SCT	76290003	superior gluteal lymph node	T-C4633	C0229826
SCT	76704003	superior lateral inguinal lymph node	T-C4842	C0229854
SCT	52554005	superior medial inguinal lymph node	T-C4841	C0229853
SCT	127925003	superior mediastinal lymph node	T-C43A0	C1268041
SCT	49394004	superior mesenteric lymph node	T-C4420	C0229767
SCT	280999005	superior pancreatic lymph node	T-C447E	C0229788
SCT	281320004	superior pancreaticoduodenal lymph node	T-C4481	C0229786
SCT	68881005	superior rectal lymph node	T-C4513	C0229795
SCT	67941004	superior tracheobronchial lymph node	T-C4331	C0229752
SCT	76838003	supraclavicular lymph node	T-C4220	C0229730
SCT	62630005	supramammary lymph node	T-C4352	C0229756
SCT	280216006	suprapyloric lymph node	T-C4465	C0229778
SCT	80769008	tibial lymph node	T-C4860	C0229859
SCT	245341003	tracheobronchial lymph node	T-C4379	C0229751
SCT	89858007	tracheobronchial lymph node, located near carina	T-C4330	C0229751
SCT	285425001	upper deep cervical lymph node	T-C4218	C0545582
SCT	245321008	upper jugular lymph node	T-C4235	C0447165
SCT	44914007	upper limb lymph node	T-C4700	C0729769

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	127927006	upper paratracheal lymph node (mediastinal)	T-C43A2	C1268043
SCT	5394000	uterine paracervical lymph node	T-C4690	C0229831
SCT	360992006	vesicular lymph node	T-C4601	C1283708

CID 7601 Head and Neck Cancer Anatomic Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.1012**

Table CID 7601. Head and Neck Cancer Anatomic Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	47975008	base of tongue	T-53130	C0226958
SCT	16811007	buccal mucosa	T-51305	C1578559
SCT	36360002	floor of mouth	T-51200	C0026638
SCT	1307006	glottis	T-24440	C0017681
SCT	81502006	hypopharynx	T-55300	C0020629
SCT	4596009	larynx	T-24100	C0023078
SCT	2048000	lingual tonsil	T-C5140	C0229871
SCT	48477009	lip	T-52000	C0023759
SCT	288546009	lower alveolar ridge	T-D07CB	C0222755
SCT	15924003	maxillary sinus	T-22100	C0024957
SCT	279549004	nasal cavity	T-21301	C0027423
SCT	71836000	nasopharynx	T-23000	C0027442
SCT	74262004	oral cavity	T-51004	C0226896
SCT	17861009	oropharyngeal tonsil (waldeyer's ring)	T-C5000	C0459892
SCT	31389004	oropharynx	T-55200	C0521367
SCT	75573002	palatine tonsil	T-C5100	C0040421
SCT	26140008	palatine uvula	T-51130	C0042173
SCT	2095001	paranasal sinus	T-22000	C0030471
SCT	55940004	pharyngeal tonsil (adenoid)	T-C5300	C0001428
SCT	6217003	pyriform sinus	T-55320	C0227170
SCT	85816001	retromolar trigone	T-51600	C0226920
SCT	385294005	salivary gland	T-61007	C0036098
SCT	119255006	supraglottis	T-24454	C0225574
SCT	21974007	tongue	T-53000	C0040408
SCT	303337002	tonsil and adenoid	T-C5001	C0580788
SCT	21058000	tubal tonsil	T-C5330	C0229883
UMLS	C0221297	unknown primary neoplasia site		C0221297

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	26140008	uvula	T-51130	C0042173

CID 7701 Fiber Tracts In Brainstem

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150106**
UID: **1.2.840.10008.6.1.1013**

Table CID 7701. Fiber Tracts In Brainstem

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	11089000	superior cerebellar peduncle	T-A6620	C0152391
SCT	33723005	middle cerebellar peduncle	T-A6630	C0152392
SCT	67701001	inferior cerebellar peduncle	T-A6640	C0152393
SCT	360568007	corticospinal tract in brainstem	T-D07EA	C1283381
SCT	30114003	medial lemniscus	T-A5271	C0228420
SCT	86136007	lateral lemniscus	T-A5272	C0152375
SCT	28390009	medial longitudinal fasciculus	T-A5250	C0152373

Note

Organized as described in Wakana, Setsu, Hangyi Jiang, Lidia M. Nagae-Poetscher, Peter C. M. van Zijl, and Susumu Mori. "Fiber Tract-based Atlas of Human White Matter Anatomy." Radiology 230, no. 1 (January 1, 2004): 77-87. doi:10.1148/radiol.2301021640.

CID 7702 Projection and Thalamic Fibers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.1014**

Table CID 7702. Projection and Thalamic Fibers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
NEU	1319	corticobulbar tract		C1184617
NEU	1320	corticospinal tract		C0936236
SCT	85637007	internal capsule	T-A3700	C0152341
SCT	10517005	external capsule	T-A3800	C0228313
SCT	410726006	auditory radiation	T-D0829	C1455736
SCT	70105001	optic radiation	T-A2880	C0228277
NEU	1466	inferior optic radiation (Meyer's loop)		C3498430
NEU	3473	superior optic radiation (Baum's loop)		C4020527
NEU	1726	anterior thalamic radiation		C2338170
NEU	2081	superior thalamic radiation		C3498751
NEU	2082	inferior thalamic radiation		C2332665
NEU	2083	posterior thalamic radiation		C2336194

Note

1. SNOMED has codes for the corticobulbar and corticospinal tracts and thalamic radiations in specific regions (e.g., internal capsule), but not generic codes independent of their regional location, so they are not used.
2. (410726006, SCT, "auditory radiation") is also known as the acoustic raditaion, or geniculotemporal tract.
3. (70105001, SCT, "optic radiation") is also known as the geniculo-calcarine tract, geniculostriate pathway or posterior thalamic radiation.

CID 7703 Association Fibers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150106**
UID: **1.2.840.10008.6.1.1015**

Table CID 7703. Association Fibers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
NEU	2080	superior longitudinal fasciculus		C0228270
DCM	110703	superior longitudinal fasciculus I		
DCM	110704	superior longitudinal fasciculus II		
DCM	110705	superior longitudinal fasciculus III		
NEU	2063	arcuate fasciculus		C2329633
SCT	55233005	inferior longitudinal fasciculus	T-A2850	C0228273
SCT	13958008	superior fronto-occipital fasciculus	T-A2860	C0228274
SCT	35664009	inferior fronto-occipital fasciculus	T-A2861	C0228275
SCT	26230003	uncinate fasciculus	T-A2830	C0228271
SCT	80434005	vertical occipital fasciculus	T-A2870	C0228276
SCT	35664009	inferior fronto-occipital fasciculus	T-A2861	C0228275
SCT	13958008	superior fronto-occipital fasciculus	T-A2860	C0228274

Note

The SLF is distinguished from the AF (even though SNOMED and UMLS treat them as synonymous), per Makris N, et al. "Segmentation of Subcomponents within the Superior Longitudinal Fascicle in Humans: A Quantitative, In Vivo, DT-MRI Study." Cerebral Cortex 15, no. 6 (June 1, 2005): 854-69. doi:10.1093/cercor/bhh186. Hence the SNOMED concept for SLF/AF (T-A2820, 89202009, C0228270) is not used. NeuroNames does not describe the other subcomponents of the SLF than the AF, so DCM codes are assigned.

CID 7704 Limbic System Tracts

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150106**
UID: **1.2.840.10008.6.1.1016**

Table CID 7704. Limbic System Tracts

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	37035000	cingulum	T-A2840	C0228272
SCT	87463005	fornix	T-A2970	C0152334

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
NEU	286	stria terminalis		C0175243

CID 7705 Commissural Fibers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.1017**

Table CID 7705. Commissural Fibers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	62872008	anterior commissure	T-A2980	C0152335
SCT	88442005	corpus callosum	T-A2700	C0010090
SCT	70215001	genu of corpus callosum	T-A2730	C0152321
SCT	23347006	splenium of corpus callosum	T-A2710	C0152319
SCT	60105000	tapetum of corpus callosum	T-A2781	C1744614
SCT	42932006	forceps minor	T-A2760	C0152325
SCT	80049006	forceps major	T-A2750	C0809941
SCT	279336005	posterior commissure	T-A4904	C0152327
SCT	6866008	habenular commissure	T-A4950	C0152363

CID 7706 Cranial Nerves

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150106**
UID: **1.2.840.10008.6.1.1018**

Table CID 7706. Cranial Nerves

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	3960005	olfactory tract	T-A2920	C0162435
SCT	18234004	optic nerve	T-A8040	C0029130
SCT	56193007	oculomotor nerve	T-A8070	C0028864
SCT	39322007	trochlear nerve	T-A8110	C0041159
SCT	27612005	trigeminal nerve	T-A8150	C0040996
SCT	80622005	abducens nerve	T-A8130	C0000741
SCT	56052001	facial nerve	T-A8410	C0015462
SCT	8598002	vestibulocochlear nerve	T-A8500	C0001162
SCT	21161002	glossopharyngeal nerve	T-A8570	C0017679
SCT	88882009	vagus nerve	T-A8640	C0042276
SCT	15119000	accessory nerve	T-A8780	C0000905
SCT	37899009	hypoglossal nerve	T-A8820	C0020614

CID 7707 Spinal Cord Fibers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150106**
UID: **1.2.840.10008.6.1.1019**

Table CID 7707. Spinal Cord Fibers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	59752008	dorsal funiculus	T-A7081	C0228576
SCT	31701002	ventral funiculus	T-A7061	C0228570
SCT	14892003	lateral funiculus	T-A7091	C0228583

CID 7710 Tractography Anatomic Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150106**
UID: **1.2.840.10008.6.1.1020**

Table CID 7710. Tractography Anatomic Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 7701 “Fiber Tracts In Brainstem”				
Include CID 7702 “Projection and Thalamic Fibers”				
Include CID 7703 “Association Fibers”				
Include CID 7704 “Limbic System Tracts”				
Include CID 7705 “Commissural Fibers”				
Include CID 7706 “Cranial Nerves”				
Include CID 7707 “Spinal Cord Fibers”				
SCT	33060004	Cerebellar white matter	T-A6080	C0152381
SCT	68523003	Cerebral white matter	T-A2030	C0152295
SCT	27088001	Spinal cord white matter	T-A7070	C0458457
SCT	389080008	White matter of brain and spinal cord	T-A0095	C1300311
DCM	110706	Perilesional White Matter		
SCT	84782009	Peripheral nerve	T-A0500	C0031119
SCT	127954009	Skeletal muscle	T-D0684	C0242692
SCT	122448007	Cardiac muscle	T-1300D	C0027061
DCM	113681	Phantom		C0282611

CID 8101 Container Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080626**
UID: **1.2.840.10008.6.1.1043**

Table CID 8101. Container Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	434464009	Tissue cassette	A-0101E	C0183953
SCT	434708008	Tissue microarray cassette	A-01022	C2315967
SCT	434746001	Specimen vial	A-01024	C2316421
SCT	433466003	Microscope slide	A-0101B	C0026017
SCT	434711009	Specimen container	A-01023	C0183391
SCT	434533009	Electron microscopy grid	A-01021	C2316945
SCT	434822004	Specimen well	A-01025	C2316030

CID 8102 Container Component Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080626**
UID: **1.2.840.10008.6.1.1044**

Table CID 8102. Container Component Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 8101 “Container Types”				
SCT	433472003	Microscope slide cover slip	A-0101D	C0492717
SCT	430862008	Microscope slide mounting media	F-62219	C2316989
SCT	434473001	Specimen container lid	A-0101F	C2316420

CID 8103 Anatomic Pathology Specimen Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080626**
UID: **1.2.840.10008.6.1.1045**

Table CID 8103. Anatomic Pathology Specimen Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	38266002	Entire body	T-D0010	C0229960
SCT	309050000	Body substance sample	G-80A5	C0586522
SCT	309051001	Body fluid sample	G-80A6	C1292527
SCT	119376003	Tissue specimen	G-8300	C1292533
SCT	430861001	Gross specimen	G-843A	C2316367
SCT	430856003	Tissue section	G-8439	C2316368
SCT	430970004	Core sample of tissue block	G-843B	C2316369
SCT	431196006	Tissue spot	G-843C	C2316370
SCT	258661006	Slide	G-81EA	C0444330
SCT	258433009	Smear sample	G-803C	C0444086
SCT	430855004	Touch preparation cytologic material	T-1A404	C2316942

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	430346005	Liquid based cytologic material	T-1A403	C2315942
SCT	119295008	Aspirate	G-8003	C0370199
SCT	258562007	Genetic sample	G-81A0	C0444241
Include CID 8104 "Breast Tissue Specimen Types"				

CID 8104 Breast Tissue Specimen Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080626**
UID: **1.2.840.10008.6.1.1046**

Table CID 8104. Breast Tissue Specimen Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	309548003	breast duct sample	G-8346	C0587065
SCT	309059004	frozen section breast sample	G-8339	C0586532
SCT	309546004	lumpectomy breast sample	G-833D	C0587063
SCT	397199005	specimen from breast obtained by excision	G-8430	C1301275
SCT	122595009	specimen from breast obtained by total mastectomy	G-8311	C1292534
SCT	309547008	segmentectomy breast sample	G-833F	C0587064
SCT	309058007	breast tru-cut biopsy sample	G-832D	C0586531
SCT	122737001	specimen from breast obtained by core needle biopsy	G-8318	C1292540
SCT	122738006	specimen from breast, stereotactically guided core needle biopsy	G-8319	C1292541
SCT	122739003	specimen from breast by incisional biopsy of breast mass	G-831B	C1292543
SCT	373102004	specimen from breast obtained by image guided core biopsy	R-003AC	C1269973

CID 8109 Specimen Collection Procedure

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080626**
UID: **1.2.840.10008.6.1.1047**

Table CID 8109. Specimen Collection Procedure

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	14766002	Aspiration	P1-03130	C0349707
SCT	86273004	Biopsy	P1-03100	C0005558
SCT	65801008	Excision	P1-03000	C0728940
SCT	65801008	Resection	P1-03000	C0728940
SCT	53958007	Harvesting of tissue	P1-0D300	C0185110

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	128538000	Removal of device	P1-03021	C0752250
SCT	22778000	Venipuncture	P1-38200	C0600406
SCT	285570007	Taking of swab	P0-00593	C0563454
SCT	17636008	Specimen collection	P3-02000	C0200345
SCT	56757003	Scraping	P1-03154	C0184933

CID 8110 Specimen Sampling Procedure

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.1048**

Table CID 8110. Specimen Sampling Procedure

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	122459003	Dissection	P1-01003	C0012737
DCM	111726	Dissection with entire specimen submission		
DCM	111727	Dissection with representative sections submission		
SCT	434479002	Core sampling	P3-40011	C2316564
SCT	434472006	Block sectioning	P3-4000D	C2316371
SCT	433454009	Laser microdissection	P3-40004	C2316567
SCT	434474007	Block surface recut	P3-4000E	C2316372
SCT	434475008	Block step sectioning	P3-4000F	C2316876
SCT	430854000	Touch preparation (procedure)	P3-4500A	C2316781
SCT	448895004	Smear procedure	P1-0329D	C3163984

CID 8111 Specimen Preparation Procedure

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080626**
UID: **1.2.840.10008.6.1.1049**

Table CID 8111. Specimen Preparation Procedure

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	HL7 v3 ActClass equivalent
SCT	17636008	Specimen collection	P3-02000	C0200345	SPECCOLLECT
SCT	428995007	Specimen receiving	P3-05013	C1997702	CONTREG
SCT	433465004	Sampling of tissue specimen	P3-4000A	C2316400	PROC
SCT	127790008	Staining	P3-00003	C0487602	SPCTRT
SCT	9265001	Specimen processing	P3-05000	C0037793	SPCTRT
DCM	111729	Specimen storage			STORE

CID 8112 Specimen Stains

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1050**

Table CID 8112. Specimen Stains

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	406976001	acid fast stain	C-22860	C1318720
SCT	255792001	acid phosphatase stain	C-2280A	C0440036
SCT	255793006	Albert's stain	C-2280B	C0440037
SCT	4656000	alcian blue 8GX stain	C-22963	C0001933
SCT	47995002	alcohol soluble nigrosine stain	C-22932	C0303908
SCT	406981005	aldehyde fuchsin stain	C-2286D	C0491984
SCT	54432009	alizarin blue S stain	C-22961	C0303917
SCT	21951008	alizarin cyanine green stain	C-22959	C0303916
SCT	65580004	alizarin red S stain	C-22953	C0051165
SCT	27016007	alizarin yellow GG stain	C-22813	C0303861
SCT	28622002	alizarin yellow R stain	C-22814	C0619792
SCT	406971006	alkaline phosphatase stain	C-2285B	C1318717
SCT	406990003	aniline blue stain	C-2287E	C1321796
SCT	255794000	auramine stain	C-2280C	C0440038
SCT	85066006	azo black stain	C-22873	C0058437
SCT	76048000	azocarmine G (GX) stain	C-22929	C0303907
SCT	35609001	azophloxin stain	C-22842	C0073022
SCT	2159007	azorubin S stain	C-22831	C0002406
SCT	16836001	azure A stain	C-22945	C0052826
SCT	8926000	azure B stain	C-22946	C0052827
SCT	11069001	azure C stain	C-22944	C0052828
SCT	406982003	bauer's chromic acid leucofuchsin stain	C-2286E	C1318723
SCT	27844007	benzo fast scarlet stain	C-22872	C0303882
SCT	255795004	beta-glucuronidase stain	C-2280D	C0440039
SCT	76605005	biebrich scarlet stain	C-22866	C0303878
SCT	44488008	bismark brown R stain	C-22849	C0303872
SCT	85190005	bismark brown Y stain	C-22848	C0303871
SCT	1346008	blue shade eosin stain	C-22921	C0303904
SCT	41750006	brazilin stain	C-22965	C0054031
SCT	8342001	brilliant cresyl blue stain	C-22934	C0054052
SCT	86541009	brilliant crocein stain	C-22869	C0303880
SCT	8429000	brilliant orange stain	C-22865	C0303877
SCT	57753006	brilliant yellow stain	C-22857	C0058441
SCT	406955006	butyrate esterase stain	C-2283C	C1321545

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	406978000	carbol fuchsin stain	C-2286B	C0054697
SCT	73892005	carmine stain	C-22971	C0007250
SCT	432003	carminic acid stain	C-22972	C0054801
SCT	37575004	carmoisine A stain	C-22822	C0052799
SCT	38707008	celestine blue B stain	C-22936	C0055019
SCT	255796003	chloroacetate esterase stain	C-2280E	C0440040
SCT	406986000	chromic acid stain	C-2287B	C1321562
SCT	85981002	chromotrope 2R stain	C-22838	C0109683
SCT	10247008	chrysoidine R stain	C-22806	C0109694
SCT	16943008	chrysoidine Y stain	C-22805	C0055663
SCT	91606004	cochineal stain	C-22973	C0110382
SCT	406952009	colloidal iron stain	C-22837	C1318877
SCT	45106005	Congo red stain	C-22851	C0009742
SCT	406960005	cresyl echt violet stain	C-22847	C1318879
SCT	406959000	cresyl violet stain	C-22840	C0056484
SCT	68459007	crystal ponceau stain	C-22833	C0303867
SCT	89028002	curcumin stain	C-22966	C0010467
SCT	72572003	diamond black stain	C-22826	C0303866
SCT	11780008	durazol red stain	C-22871	C0303881
SCT	40076005	erie garnet stain	C-22852	C0303873
SCT	58631000	eriochrome blue black SE stain	C-22839	C0059526
SCT	7434003	erythrosin B stain	C-22924	C0014824
SCT	5043000	erythrosin Y stain	C-22923	C0303905
SCT	22931006	Evans blue stain	C-22854	C0015205
SCT	34700000	fast blue B salt stain	C-22883	C0303888
SCT	91295002	fast blue BB salt stain	C-22881	C0060085
SCT	64112001	fast blue RR salt stain	C-22878	C0303885
SCT	89148006	fast garnet GBC salt stain	C-22882	C0303887
SCT	24167004	fast green FCF stain	C-22886	C0060087
SCT	40718007	fast red B salt stain	C-22876	C0303883
SCT	47486002	fast red ITR stain	C-22877	C0303884
SCT	76633005	fast red TR salt stain	C-22875	C0950478
SCT	88660000	fast sulfon black F stain	C-22867	C0303879
SCT	72371006	fast violet B salt stain	C-22879	C0303886
SCT	76439002	fat red 7B stain	C-22859	C0117300
SCT	255797007	Feulgen reaction stain	C-2280F	C0440041
SCT	255798002	field's stain	C-22810	C0440042
SCT	255799005	Flagellar stain	C-22816	C0440043
SCT	35352008	fluorescent stain	C-22A00	C0303920
SCT	406980006	fouchet stain	C-2286C	C1318722
SCT	60920007	fuchsin acid stain	C-22902	C0252873

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	50062004	fuchsin basic stain	C-22889	C0073578
SCT	8836009	gallocyanine stain	C-22935	C0061013
SCT	373646006	giemsa stain	F-61968	C0017542
SCT	385484003	gram stain	C-22830	C0061856
SCT	406983008	hansel stain	C-2286F	C1318724
SCT	75956008	hematein stain	C-22967	C0062204
SCT	12710003	hematoxylin stain	C-22968	C0018964
SCT	255800009	immunofluorescent stain	C-22817	C0183489
SCT	406972004	India ink stain	C-2285C	C0123471
SCT	45475000	indigo carmine stain	C-22962	C0021219
SCT	11727009	indophenol from naphthol stain	C-22927	C0303906
SCT	47030008	insoluble berlin blue stain	C-22974	C0303918
SCT	68263003	janus green B stain	C-22804	C0064136
SCT	255801008	Jenner-Giemsa stain	C-22818	C0440044
SCT	29342009	kenacid blue R stain	C-22899	C0303892
SCT	35724001	lacmoid stain	C-22942	C0303910
SCT	255802001	Leishman stain	C-22819	C0440052
SCT	89139001	light green SF stain	C-22887	C0064970
SCT	6701008	lissamine fast red B stain	C-22841	C0303868
SCT	25079009	lissamine fast yellow stain	C-22843	C0303869
SCT	38543004	lissamine green B stain	C-22914	C0061890
SCT	111102009	lissamine rhodamine stain	C-22917	C0303900
SCT	406958008	luxol fast blue stain	C-2283F	C0065274
SCT	27120008	malachite green stain	C-22890	C0065555
SCT	406953004	Mallory bleach stain	C-2283A	C1318878
SCT	46139004	martius yellow stain	C-22802	C0303860
SCT	255803006	may-Grunwald giemsa stain	C-2281A	C0065757
SCT	24516006	meldola blue stain	C-22937	C0065912
SCT	54791001	metanil yellow stain	C-22811	C0066052
SCT	9010006	methyl blue stain	C-22907	C0303897
SCT	255804000	methyl green pyronin stain	C-2281B	C0440045
SCT	42248000	methyl orange stain	C-22809	C0066274
SCT	13744001	methyl red stain	C-22808	C0066279
SCT	387239001	methyl violet stain	F-61A76	C0017440
SCT	6725000	methylene blue stain	C-22947	C0025746
SCT	406961009	methylene violet stain	C-2284A	C0492805
SCT	31260003	methylene violet stain (Bernthsen)	C-22952	C0303911
SCT	406991004	modified trichrome stain	C-2287F	C1318726
SCT	406964001	mucicarmine stain	C-2284B	C0066912
SCT	255805004	myeloperoxidase stain	C-2281C	C0440053
SCT	16788000	naphthalene black 12B stain	C-22846	C0303870

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	14958002	naphthol green B stain	C-22801	C0303859
SCT	111101002	naphthol yellow S stain	C-22803	C0068424
SCT	406973009	naphthol-AS-D-chloracetate esterase stain	C-2285D	C1318718
SCT	67956008	neutral red stain	C-22928	C0027941
SCT	255806003	neutrophil alkaline phosphatase stain	C-2281D	C0440046
SCT	31714001	new fuchsin stain	C-22891	C0068661
SCT	406965000	night blue stain	C-2284C	C0068751
SCT	77073008	nile blue stain	C-22941	C0068765
SCT	86750008	nitrazine yellow stain	C-22823	C0068806
SCT	255807007	nonspecific esterase stain	C-2281E	C0440047
SCT	78869007	nuclear fast red stain	C-22955	C0303913
SCT	40808006	oil red O stain	C-22863	C0069388
SCT	54221006	orange G stain	C-22832	C0069591
SCT	25941002	orange II stain	C-22824	C0069592
SCT	406966004	orcein stain	C-2284D	C0069596
SCT	5442001	page blue 83 stain	C-22901	C0303893
SCT	2088005	page blue G-90 stain	C-22898	C0056270
SCT	48540004	patent blue V sodium salt stain	C-22885	C0116465
SCT	255808002	periodic acid Schiff stain	C-2281F	C0440048
SCT	333111009	permethrin stain	R-F748A	C1446695
SCT	406974003	peroxidase stain	C-2285E	C1318719
SCT	71957009	phloxin B stain	C-22922	C0031567
SCT	406967008	phosphotungstic acid-hematoxylin stain	C-2284E	C0491956
SCT	65730007	ponceau 3R stain	C-22829	C0071718
SCT	89856006	ponceau S stain	C-22868	C0071720
SCT	70520000	ponceau xylidine stain	C-22828	C0950345
SCT	89577003	pontamine sky blue 5BX stain	C-22855	C0303874
SCT	80305003	pontamine sky blue 6BX stain	C-22856	C0303875
SCT	406984002	potassium hydroxide stain	C-22870	C1318725
SCT	24900003	procion brilliant blue MRS stain	C-22956	C0303914
SCT	406993001	protargol S stain	C-2288A	C0492806
SCT	255809005	Prussian blue stain	C-22820	C0060234
SCT	406968003	quinacrine fluorescent stain	C-2284F	C1318715
SCT	406977005	rhodamine stain	C-2286A	C0600322
SCT	255810000	Romanowsky stain	C-2282A	C0440055
SCT	82411007	rose bengal stain	C-22925	C0035857
SCT	15529003	rosolic acid sodium salt stain	C-22908	C0303898
SCT	38271009	saffron stain	C-22964	C0162753
SCT	406988004	safranin stain	F-61DA5	C0073949

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	406985001	silver nitrate stain	C-2287A	C1321600
SCT	406951002	silver stain	C-22836	C1318876
SCT	51567006	sirius red F3B stain	C-22874	C0071047
SCT	43549000	solochrome azurine (BS) stain	C-22912	C0303899
SCT	11201005	solochrome black 6B stain	C-22821	C0303864
SCT	25091000	solochrome cyanine R stain	C-22909	C0074807
SCT	38902009	solochrome dark blue stain	C-22825	C0054495
SCT	64991008	soluble berlin blue stain	C-22975	C0303919
SCT	11645004	spirit soluble aniline blue stain	C-22906	C1260876
SCT	83600004	spirit soluble eosin stain	C-22920	C0303903
SCT	255811001	spore stain	C-2282B	C0440049
SCT	314900004	Sudan stain	C-2282D	C1282434
SCT	22968009	sunset yellow FCF stain	C-22827	C0060120
SCT	21592006	tartrazine stain	C-22844	C0039329
SCT	406975002	terminal deoxynucleotidyl transferase stain	C-2285F	C0687124
SCT	406995008	thioflavine S stain	C-2288D	C0952039
SCT	61068006	thioflavine T stain	C-22926	C0076466
SCT	406969006	thionin stain	C-22850	C0076494
SCT	12001002	thionine stain	C-22943	C0076494
SCT	84217005	titan yellow stain	C-22845	C0076731
SCT	406989007	trichrome stain	C-2287D	C0077066
SCT	35094004	tropaeolin O stain	C-22815	C0303863
SCT	53511009	tropaeolin OO stain	C-22812	C0077384
SCT	60441008	trypan blue stain	C-22853	C0041213
SCT	406957003	Van Gieson stain	C-2283E	C0491963
SCT	406992006	verhoeff's hematoxylin stain	C-22880	C1319311
SCT	20230008	vital new red stain	C-22858	C0303876
SCT	88625006	water soluble aniline blue stain	C-22904	C1321796
SCT	58755002	water soluble anthracene brown stain	C-22954	C0303912
SCT	12119009	water soluble nigrosine stain	C-22933	C0303909
SCT	60739006	waxoline blue stain	C-22957	C0303915
SCT	409549005	wayson stain	F-61E5A	C1443889
SCT	373682001	wright stain	F-619B7	C1261259
SCT	55831004	xylene cyanol FF stain	C-22888	C0303889
SCT	255813003	Ziehl-Neelsen stain	C-2282C	C0440051
SCT	29252006	acridine orange stain	C-22A08	C0001185
SCT	17693003	acriflavine stain	C-22A07	C0001187
SCT	84656005	atebrin FS stain	C-22A03	C0303922
SCT	73251007	auramine G stain	C-22A02	C0303921

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	81397005	auramine O stain	C-22A01	C0878260
SCT	49687009	coriphosphine stain	C-22A11	C0056341
SCT	85596006	fluorescein stain	C-22A05	C0060520
SCT	108880002	fluorexon stain	C-22AA1	C0060549
SCT	27671009	rhodamine B stain	C-22A04	C0073194
SCT	25351006	Fluorescein sodium stain	C-22A06	C0147866
SCT	36572009	Sudan black B stain	C-22864	C0075489
SCT	310805002	Sudan black stain	C-2282E	C0588374
SCT	10740006	Sudan blue stain	C-22958	C0075490
SCT	12030009	Sudan II stain	C-22807	C0075492
SCT	39777001	Sudan III stain	C-22861	C0075491
SCT	69133007	Sudan IV stain	C-22862	C0074127
SCT	76925007	alkali blue 5B (4B) stain	C-22903	C0303894
SCT	63929007	alkali blue 6B stain	C-22905	C0303895
SCT	34128002	chrome azurol S stain	C-22911	C0055614
SCT	17172002	dibromofluorescein stain	C-22918	C0303901
SCT	65445001	ethyl violet stain	C-22897	C0059784
SCT	22021002	methyl green stain	C-22896	C0025701
SCT	15896008	methyl violet 2B stain	C-22892	C0303890
SCT	14544006	methyl violet 6B stain	C-22894	C0303891
SCT	76001002	pyronine B stain	C-22916	C0072769
SCT	43106008	pyronine G stain	C-22915	C0034316
SCT	29522004	toluidine blue stain	C-22951	C0040380
SCT	82682000	victoria blue 4R stain	C-22895	C0078233
SCT	22749001	victoria blue B stain	C-22913	C0078234
SCT	36879007	water soluble eosin stain	C-22919	C0303902

CID 8113 Specimen Preparation Steps

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080626**
UID: **1.2.840.10008.6.1.1051**

Table CID 8113. Specimen Preparation Steps

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	433455005	Specimen microwave heating	P3-40005	C2317595
SCT	433457002	Specimen steam heating	P3-40009	C2316565
SCT	433456006	Protease digestion of tissue specimen	P3-40006	C2316566
SCT	433470006	Specimen dehydration	P3-4000B	C2317330
SCT	27872000	Specimen freezing	P3-05050	C0200367

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	433452008	Specimen clearing	P3-40003	C2316366

CID 8114 Specimen Fixatives

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190124**
UID: **1.2.840.10008.6.1.1052**

Table CID 8114. Specimen Fixatives

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	434162003	Neutral Buffered Formalin	C-2141C	C0492002
SCT	433474002	Bouin's fluid	F-62235	C0053963
SCT	431510009	Formalin	C-2141B	C0949307
SCT	433338005	Carnoy's fluid	F-62231	C2317379
SCT	434295000	Formol sublimate	F-62238	C0621539
SCT	433471005	Helly's fluid	F-62233	C2317380
SCT	430028007	Michel's medium	F-6220F	C1550080
SCT	433473008	Zenker's fluid	F-62234	C2317478
SCT	52836003	Paraformaldehyde	C-21403	C0070066
SCT	2869004	Acetic acid	C-21624	C0000983
SCT	259153006	Chloroform	C-20830	C0008238
SCT	430821002	Chromium trioxide	C-12916	C0055630
SCT	419442005	Ethanol	C-21047	C0001962
SCT	111095003	Formaldehyde	C-21402	C0016564
SCT	11496005	Mercuric chloride	C-13321	C0025417
SCT	259221006	Methanol	C-2102B	C0001963
SCT	13931001	Osmium tetroxide	C-15211	C0029385
SCT	24215009	Picric acid	C-21919	C0071044
SCT	19893005	Potassium dichromate	C-13518	C0032829

CID 8115 Specimen Embedding Media

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080626**
UID: **1.2.840.10008.6.1.1053**

Table CID 8115. Specimen Embedding Media

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	311731000	Paraffin wax	F-616D8	C0030415
SCT	433469005	Tissue freezing medium	F-62232	C2315537
SCT	61088005	Plastic	C-2A000	C0032167
SCT	10249006	Agar	C-84085	C0001771

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	65345002	Epoxy resin	C-2A400	C0014631
SCT	261712009	Acrylic resin	C-100EA	C0444831

CID 8120 WSI Referenced Image Purposes of Reference

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100824**
UID: **1.2.840.10008.6.1.897**

Table CID 8120. WSI Referenced Image Purposes of Reference

Coding Scheme Designator	Code Value	Code Meaning
DCM	121311	Localizer
DCM	121350	Same acquisition at lower resolution
DCM	121351	Same acquisition at higher resolution
DCM	121352	Same acquisition at different focal depth
DCM	121353	Same acquisition at different spectral band
DCM	121354	Imaged container label

CID 8121 Microscopy Lens Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100824**
UID: **1.2.840.10008.6.1.898**

Table CID 8121. Microscopy Lens Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	445621001	High power non-immersion lens	A-0011A	C2919938
SCT	445622008	Oil immersion lens	A-0011B	C2919939
SCT	445601002	Slide overview lens	A-00118	C2919940

CID 8122 Microscopy Illuminator and Sensor Color

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100824**
UID: **1.2.840.10008.6.1.899**

Table CID 8122. Microscopy Illuminator and Sensor Color

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	414298005	Full Spectrum	R-102C0	C1532530
SCT	414497003	Infrared	R-102BE	C1532326
SCT	371240000	Red	G-A11A	C1260956
SCT	371246006	Green	G-A11E	C0332583
SCT	405738005	Blue	G-A12F	C1260957

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	415770004	Ultraviolet	R-102BF	C1532472

CID 8123 Microscopy Illumination Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100824**
UID: **1.2.840.10008.6.1.900**

Table CID 8123. Microscopy Illumination Method

Coding Scheme Designator	Code Value	Code Meaning
DCM	111741	Transmission illumination
DCM	111742	Reflection illumination
DCM	111743	Epifluorescence illumination
DCM	111744	Brightfield illumination
DCM	111745	Darkfield illumination
DCM	111746	Oblique illumination
DCM	111747	Phase contrast illumination
DCM	111748	Differential interference contrast
DCM	111749	Total internal reflection fluorescence

CID 8124 Microscopy Filter

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100824**
UID: **1.2.840.10008.6.1.901**

Table CID 8124. Microscopy Filter

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	445465004	Green optical filter	A-010E2	C2919396
SCT	445279009	Red optical filter	A-010DF	C2919397
SCT	445084008	Blue optical filter	A-010DA	C2919751
SCT	445169002	Infrared optical filter	A-010DC	C2919637
SCT	445391002	Polarizing optical filter	A-010E1	C2919554
SCT	445278001	Violet optical filter	A-010DE	C2919567
SCT	445254006	Ultraviolet optical filter	A-010DD	C2919555
SCT	445316008	Dichroic beamsplitter	A-0010F	C2919671
SCT	445635004	Hoffman modulator	A-00121	C2919672
SCT	445624009	Darkfield stop	A-0011D	C2919815
SCT	445623003	Rheinberg filter	A-0011C	C2919816
SCT	445625005	Phase contrast plate	A-0011E	C2919530
SCT	445634000	Condenser annulus	A-00120	C2919531
SCT	445633006	Nomarski prism	A-0011F	C2919532

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	445663002	de Sénarmont compensator	A-00123	C2919789
DCM	111609	No filter		

CID 8125 Microscopy Illuminator Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100824**
UID: **1.2.840.10008.6.1.902**

Table CID 8125. Microscopy Illuminator Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	445679001	Tungsten halogen lamp	A-00125	C2919726
SCT	445685008	Mercury arc lamp	A-00127	C2919809
SCT	445671003	Xenon arc lamp	A-00124	C2919810
SCT	445683001	Light emitting diode	A-00126	C2919811
SCT	122456005	Laser	A-23000	C0023089

CID 8130 Staining Protocols

This Context Group is intended for use in the Scheduled Protocol Code Sequence (0040,0008) and the Performed Protocol Code Sequence (0040,0260) attributes for an automated slide stainer. When so used, an Item with value (127790008, SCT, "Staining") will also include a Protocol Context Sequence (0040,0440) using TID 8003 “Specimen Staining” to identify the specific stain substance.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20111028**
UID: **1.2.840.10008.6.1.944**

Table CID 8130. Staining Protocols

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	127790008	Staining	P3-00003	C0487602
SCT	104210008	Hematoxylin and eosin stain method	P3-50495	C0523207

CID 8131 Pathology Imaging Protocols

This Context Group is intended for use in the Scheduled Protocol Code Sequence (0040,0008) and the Performed Protocol Code Sequence (0040,0260).When so used, an Item with value (112703, DCM, "Whole Slide Imaging") may also include a Protocol Context Sequence (0040,0440) using TID 8010 “Slide Imaging Parameters”.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20120605**
UID: **1.2.840.10008.6.1.948**

Table CID 8131. Pathology Imaging Protocols

Coding Scheme Designator	Code Value	Code Meaning
DCM	112700	Peri-operative Photographic Imaging
DCM	112701	Gross Specimen Imaging
DCM	112702	Slide Microscopy
DCM	112703	Whole Slide Imaging
DCM	112704	WSI 20X RGB
DCM	112705	WSI 40X RGB

CID 8132 Magnification Selection

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20120605**
UID: **1.2.840.10008.6.1.949**

Table CID 8132. Magnification Selection

Coding Scheme Designator	Code Value	Code Meaning
DCM	112715	5X
DCM	112716	10X
DCM	112717	20X
DCM	112718	40X

CID 8133 Tissue Selection

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20120605**
UID: **1.2.840.10008.6.1.950**

Table CID 8133. Tissue Selection

Coding Scheme Designator	Code Value	Code Meaning
DCM	112719	Nominal empty tile suppression
DCM	112720	High threshold empty tile suppression
DCM	112721	No empty tile suppression

CID 8201 Surface Scan Acquisition Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20121129**
UID: **1.2.840.10008.6.1.953**

Table CID 8201. Surface Scan Acquisition Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	114201	Time of flight
DCM	114202	Interferometry
DCM	114203	Laser scanning
DCM	114204	Pattern projection

Coding Scheme Designator	Code Value	Code Meaning
DCM	114205	Shape from shading
DCM	114206	Shape from motion
DCM	114207	Confocal imaging
DCM	114208	Point Cloud Algorithmic

CID 8202 Surface Scan Mode Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20121129**
UID: **1.2.840.10008.6.1.954**

Table CID 8202. Surface Scan Mode Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	114209	Turntable Scan Method
DCM	114210	High resolution
DCM	114211	Fast mode
DCM	114216	Checkerboard

CID 8203 Surface Scan Registration Method Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20121129**
UID: **1.2.840.10008.6.1.956**

Table CID 8203. Surface Scan Registration Method Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	114213	Iterative Closest Point
DCM	125022	Fiducial Alignment
DCM	114215	Freehand

CID 8300 Visual Evaluation Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140331**
UID: **1.2.840.10008.6.1.980**

Table CID 8300. Visual Evaluation Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	109701	Overall image quality evaluation
DCM	109702	Grayscale resolution evaluation
DCM	109703	Luminance response evaluation
DCM	109704	Luminance uniformity evaluation
DCM	109705	Chromaticity evaluation
DCM	109706	Pixel faults evaluation
DCM	109707	Veiling glare evaluation

Coding Scheme Designator	Code Value	Code Meaning
DCM	109708	Geometrical image evaluation
DCM	109709	Angular viewing evaluation
DCM	109710	Clinical evaluation

CID 8301 Test Pattern Codes

Test patterns for display calibration jobs.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140331**
UID: **1.2.840.10008.6.1.981**

Table CID 8301. Test Pattern Codes

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
DCM	109801	TG18-QC Pattern	
DCM	109802	TG18-BR Pattern	
DCM	109803	TG18-PQC Pattern	
DCM	109804	TG18-CT Pattern	
DCM	109805	TG18-LN8-01 Pattern	
DCM	109806	TG18-LN8-02 Pattern	
DCM	109807	TG18-LN8-03 Pattern	
DCM	109808	TG18-LN8-04 Pattern	
DCM	109809	TG18-LN8-05 Pattern	
DCM	109810	TG18-LN8-06 Pattern	
DCM	109811	TG18-LN8-07 Pattern	
DCM	109812	TG18-LN8-08 Pattern	
DCM	109813	TG18-LN8-09 Pattern	
DCM	109814	TG18-LN8-10 Pattern	
DCM	109815	TG18-LN8-11 Pattern	
DCM	109816	TG18-LN8-12 Pattern	
DCM	109817	TG18-LN8-13 Pattern	
DCM	109818	TG18-LN8-14 Pattern	
DCM	109819	TG18-LN8-15 Pattern	
DCM	109820	TG18-LN8-16 Pattern	
DCM	109821	TG18-LN8-17 Pattern	
DCM	109822	TG18-LN8-18 Pattern	
DCM	109823	TG18-LN12-01 Pattern	
DCM	109824	TG18-LN12-02 Pattern	
DCM	109825	TG18-LN12-03 Pattern	
DCM	109826	TG18-LN12-04 Pattern	
DCM	109827	TG18-LN12-05 Pattern	
DCM	109828	TG18-LN12-06 Pattern	

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
DCM	109829	TG18-LN12-07 Pattern	
DCM	109830	TG18-LN12-08 Pattern	
DCM	109831	TG18-LN12-09 Pattern	
DCM	109832	TG18-LN12-10 Pattern	
DCM	109833	TG18-LN12-11 Pattern	
DCM	109834	TG18-LN12-12 Pattern	
DCM	109835	TG18-LN12-13 Pattern	
DCM	109836	TG18-LN12-14 Pattern	
DCM	109837	TG18-LN12-15 Pattern	
DCM	109838	TG18-LN12-16 Pattern	
DCM	109839	TG18-LN12-17 Pattern	
DCM	109840	TG18-LN12-18 Pattern	
DCM	109841	TG18-UN10 Pattern	
DCM	109842	TG18-UN80 Pattern	
DCM	109843	TG18-UNL10 Pattern	
DCM	109844	TG18-UNL80 Pattern	
DCM	109845	TG18-AD Pattern	
DCM	109846	TG18-MP Pattern	
DCM	109847	TG18-RH10 Pattern	
DCM	109848	TG18-RH50 Pattern	
DCM	109849	TG18-RH89 Pattern	
DCM	109850	TG18-RV10 Pattern	
DCM	109851	TG18-RV50 Pattern	
DCM	109852	TG18-RV89 Pattern	
DCM	109853	TG18-PX Pattern	
DCM	109854	TG18-CX Pattern	
DCM	109855	TG18-LPH10 Pattern	
DCM	109856	TG18-LPH50 Pattern	
DCM	109857	TG18-LPH89 Pattern	
DCM	109858	TG18-LPV10 Pattern	
DCM	109859	TG18-LPV50 Pattern	
DCM	109860	TG18-LPV89 Pattern	
DCM	109861	TG18-AFC Pattern	
DCM	109862	TG18-NS10 Pattern	
DCM	109863	TG18-NS50 Pattern	
DCM	109864	TG18-NS89 Pattern	
DCM	109865	TG18-GV Pattern	
DCM	109866	TG18-GVN Pattern	
DCM	109867	TG18-GQ Pattern	
DCM	109868	TG18-GQN Pattern	

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
DCM	109869	TG18-GQB Pattern	
DCM	109870	TG18-GA03 Pattern	
DCM	109871	TG18-GA05 Pattern	
DCM	109872	TG18-GA08 Pattern	
DCM	109873	TG18-GA10 Pattern	
DCM	109874	TG18-GA15 Pattern	
DCM	109875	TG18-GA20 Pattern	
DCM	109876	TG18-GA25 Pattern	
DCM	109877	TG18-GA30 Pattern	
DCM	109878	TG18-CH Image	
DCM	109879	TG18-KN Image	
DCM	109880	TG18-MM1 Image	
DCM	109881	TG18-MM2 Image	
DCM	109901	OIQ Pattern	
DCM	109902	ANG Pattern	
DCM	109903	GD Pattern	
DCM	109904	BN01 Pattern	
DCM	109905	BN02 Pattern	
DCM	109906	BN03 Pattern	
DCM	109907	BN04 Pattern	
DCM	109908	BN05 Pattern	
DCM	109909	BN06 Pattern	
DCM	109910	BN07 Pattern	
DCM	109911	BN08 Pattern	
DCM	109912	BN09 Pattern	
DCM	109913	BN10 Pattern	
DCM	109914	BN11 Pattern	
DCM	109915	BN12 Pattern	
DCM	109916	BN13 Pattern	
DCM	109917	BN14 Pattern	
DCM	109918	BN15 Pattern	
DCM	109919	BN16 Pattern	
DCM	109920	BN17 Pattern	
DCM	109921	BN18 Pattern	
DCM	109931	DIN Geometry Pattern	
DCM	109932	DIN Grayscale Pattern	
DCM	109933	DIN Resolution Pattern	
DCM	109941	White Pattern	
DCM	109943	SMPTE Pattern	

CID 8302 Measurement Pattern Codes

Test pattern images that define measurement points for display calibration jobs.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140331**
UID: **1.2.840.10008.6.1.982**

Table CID 8302. Measurement Pattern Codes

Coding Scheme Designator	Code Value	Code Meaning
DCM	109843	TG18-UNL10 Pattern
DCM	109844	TG18-UNL80 Pattern

CID 8303 Display Device Type

The type of image display device.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170417**
UID: **1.2.840.10008.6.1.983**

Table CID 8303. Display Device Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	109991	CRT Display
DCM	109992	Liquid Crystal Display
DCM	109993	Plasma Display
DCM	109994	OLED
DCM	109995	DLP Rear Projection System
DCM	109996	DLP Front Projection System
DCM	109997	CRT Rear Projection System
DCM	109998	CRT Front Projection System

CID 9000 Physical Quantity Descriptors

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190326**
UID: **1.2.840.10008.6.1.1010**

Table CID 9000. Physical Quantity Descriptors

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	246205007	Quantity	G-C1C6	C1265611
DCM	121401	Derivation		
SCT	370129005	Measurement Method	G-C036	C1299991
SCT	363698007	Finding Site	G-C0E3	C1285538
DCM	121071	Finding		
NCIt	C94970	Reference Region		C2986814

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	113241	Model fitting method		
DCM	113240	Source image diffusion b-value		
DCM	121050	Equivalent Meaning of Concept Name		

Note

The concept (246205007, SCT, "Quantity"), lacking a formal definition in SNOMED, is assumed in this usage to be synonymous with the concept defined for "quantity" in Joint Committee for Guides in Metrology (JCGM), *International Vocabulary of Metrology, Basic and General Concepts and Associated Terms* (http://www.bipm.org/utils/common/documents/jcgm/JCGM_200_2012.pdf); the definition is "property of a phenomenon, body, or substance, where the property has a magnitude that can be expressed as a number and a reference". That document further distinguishes a "physical quantity", "chemical quantity", and "biological quantity", though no such distinction is implied here, and "quantity" is assumed to be all inclusive.

CID 9231 Workitem Definition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160601**
UID: **1.2.840.10008.6.1.531**

Table CID 9231. Workitem Definition

Coding Scheme Designator	Code Value	Code Meaning
DCM	110001	Image Processing
DCM	110002	Quality Control
DCM	110003	Computer Aided Diagnosis
DCM	110004	Computer Aided Detection
DCM	110005	Interpretation
DCM	110006	Transcription
DCM	110007	Report Verification
DCM	128001	Add Addendum to Report
DCM	110008	Print
DCM	110009	No subsequent Workitems
DCM	110013	Media Import

CID 9232 Non-DICOM Output Types (Retired)

See PS3.16-2011.

CID 9233 Requested Report Types

This content group describes types of reports that may be requested as the output of a diagnostic imaging reporting task.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160601**
UID: **1.2.840.10008.6.1.1120**

Table CID 9233. Requested Report Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	121362	Preliminary Report
DCM	128005	Final Report

CID 9241 Radiotherapy General Workitem Definition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20151110**
UID: **1.2.840.10008.6.1.931**

Table CID 9241. Radiotherapy General Workitem Definition

Coding Scheme Designator	Code Value	Code Meaning
DCM	121701	RT Patient Setup
DCM	121722	RT Patient Position Adjustment
DCM	121723	RT Patient Position In-treatment-session Review
DCM	121724	RT Treatment Simulation with Internal Verification
DCM	121725	RT Treatment Simulation with External Verification
DCM	121726	RT Treatment with Internal Verification
DCM	121727	RT Treatment with External Verification
DCM	121728	RT Treatment QA with Internal Verification
DCM	121729	RT Treatment QA with External Verification
DCM	121730	RT Machine QA
DCM	121731	RT Treatment QA by RT Plan Dose Check
DCM	121732	RT Treatment QA by RT Plan Difference Check
DCM	121733	RT Treatment QA by RT Ion Plan Dose Check
DCM	121734	RT Treatment QA by RT Ion Plan Difference Check
DCM	121735	RT Brachy Treatment

CID 9242 Radiotherapy Acquisition Workitem Definition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110406**
UID: **1.2.840.10008.6.1.932**

Table CID 9242. Radiotherapy Acquisition Workitem Definition

Coding Scheme Designator	Code Value	Code Meaning
DCM	121702	RT Patient Position Acquisition, single plane MV
DCM	121703	RT Patient Position Acquisition, dual plane MV
DCM	121704	RT Patient Position Acquisition, single plane kV
DCM	121705	RT Patient Position Acquisition, dual plane kV
DCM	121706	RT Patient Position Acquisition, dual plane kV/MV
DCM	121707	RT Patient Position Acquisition, CT kV
DCM	121708	RT Patient Position Acquisition, CT MV

Coding Scheme Designator	Code Value	Code Meaning
DCM	121709	RT Patient Position Acquisition, Optical
DCM	121710	RT Patient Position Acquisition, Ultrasound
DCM	121711	RT Patient Position Acquisition, Spatial Fiducials

CID 9243 Radiotherapy Registration Workitem Definition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110406**
UID: **1.2.840.10008.6.1.933**

Table CID 9243. Radiotherapy Registration Workitem Definition

Coding Scheme Designator	Code Value	Code Meaning
DCM	121712	RT Patient Position Registration, single plane
DCM	121713	RT Patient Position Registration, dual plane
DCM	121714	RT Patient Position Registration, 3D CT general
DCM	121715	RT Patient Position Registration, 3D CT marker-based
DCM	121716	RT Patient Position Registration, 3D CT volume-based
DCM	121717	RT Patient Position Registration, 3D on 2D reference
DCM	121718	RT Patient Position Registration, 2D on 3D reference
DCM	121719	RT Patient Position Registration, Optical
DCM	121720	RT Patient Position Registration, Ultrasound
DCM	121721	RT Patient Position Registration, Spatial Fiducials

CID 9250 Scheduled Processing Parameter Concept Codes for RT Treatment

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170413**
UID: **1.2.840.10008.6.1.971**

Table CID 9250. Scheduled Processing Parameter Concept Codes for RT Treatment

Coding Scheme Designator	Code Value	Code Meaning
DCM	121740	Treatment Delivery Type

CID 9300 Procedure Discontinuation Reasons

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181115**
UID: **1.2.840.10008.6.1.533**

Table CID 9300. Procedure Discontinuation Reasons

Coding Scheme Designator	Code Value	Code Meaning
DCM	110526	Resource pre-empted
DCM	110527	Resource inadequate
DCM	110533	Workitem expired
DCM	110528	Discontinued Procedure Step rescheduled

Coding Scheme Designator	Code Value	Code Meaning
DCM	110529	Discontinued Procedure Step rescheduling recommended
DCM	110530	Workitem assignment rejected by assigned resource
Include CID 9301 “Modality PPS Discontinuation Reasons”		
Include CID 9302 “Media Import PPS Discontinuation Reasons”		
Include CID 60 “Imaging Agent Administration Adverse Events”		

CID 9301 Modality PPS Discontinuation Reasons

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140419**
UID: **1.2.840.10008.6.1.812**

Table CID 9301. Modality PPS Discontinuation Reasons

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	110500	Doctor canceled procedure		
DCM	110501	Equipment failure		
DCM	110502	Incorrect procedure ordered		
DCM	110503	Patient allergic to media/contrast		
DCM	110504	Patient died		
DCM	110505	Patient refused to continue procedure		
DCM	110506	Patient taken for treatment or surgery		
DCM	110507	Patient did not arrive		
DCM	110508	Patient pregnant		
DCM	110509	Change of procedure for correct charging		
DCM	110510	Duplicate order		
DCM	110511	Nursing unit cancel		
DCM	110512	Incorrect side ordered		
DCM	110513	Discontinued for unspecified reason		
DCM	110514	Incorrect worklist entry selected		
DCM	110515	Patient condition prevented continuing		
DCM	110516	Equipment change		
SCT	95384003	Injection Site Extravasation	D0-B0330	C0521500
SCT	292094009	Radiopharmaceutical Adverse Reaction	DF-10780	C0569412

CID 9302 Media Import PPS Discontinuation Reasons

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090616**
UID: **1.2.840.10008.6.1.813**

Table CID 9302. Media Import PPS Discontinuation Reasons

Coding Scheme Designator	Code Value	Code Meaning
DCM	110521	Objects incorrectly formatted
DCM	110522	Object Types not supported
DCM	110523	Object Set incomplete
DCM	110524	Media Failure
DCM	110501	Equipment failure
DCM	110510	Duplicate order
DCM	110513	Discontinued for unspecified reason
DCM	110514	Incorrect worklist entry selected

CID 9303 Interpretation Request Discontinuation Reasons

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20171122**
UID: **1.2.840.10008.6.1.1198**

Table CID 9303. Interpretation Request Discontinuation Reasons

Coding Scheme Designator	Code Value	Code Meaning		
DCM	110526	Resource pre-empted		
DCM	110500	Doctor canceled procedure		
DCM	110502	Incorrect procedure ordered		
DCM	110504	Patient died		
DCM	110509	Change of procedure for correct charging		
DCM	110510	Duplicate order		
DCM	110513	Discontinued for unspecified reason		
DCM	110530	Workitem assignment rejected by assigned resource		
DCM	110523	Object Set incomplete		
DCM	110531	Insufficient quality for interpretation		
DCM	110532	Interpretation requires specialist expertise		

CID 9401 IEC61217 Device Position Parameters

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130518**
UID: **1.2.840.10008.6.1.1023**

Table CID 9401. IEC61217 Device Position Parameters

Coding Scheme Designator	Code Value	Code Meaning
Include CID 9402 “IEC61217 Gantry Position Parameters”		
Include CID 9403 “IEC61217 Patient Support Position Parameters”		

CID 9402 IEC61217 Gantry Position Parameters

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20130518**
UID: **1.2.840.10008.6.1.1024**

Table CID 9402. IEC61217 Gantry Position Parameters

Coding Scheme Designator	Code Value	Code Meaning
DCM	126809	IEC61217 Gantry Continuous Roll Angle
DCM	126810	IEC61217 Gantry Continuous Pitch Angle
DCM	126811	IEC61217 Gantry Continuous Yaw Angle

CID 9403 IEC61217 Patient Support Position Parameters

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130518**
UID: **1.2.840.10008.6.1.1025**

Table CID 9403. IEC61217 Patient Support Position Parameters

Coding Scheme Designator	Code Value	Code Meaning
DCM	126801	IEC61217 Patient Support Continuous Angle
DCM	126802	IEC61217 Table Top Continuous Pitch Angle
DCM	126803	IEC61217 Table Top Continuous Roll Angle
DCM	126804	IEC61217 Table Top Eccentric Axis Distance
DCM	126805	IEC61217 Table Top Continuous Eccentric Angle
DCM	126806	IEC61217 Table Top Lateral Position
DCM	126807	IEC61217 Table Top Longitudinal Position
DCM	126808	IEC61217 Table Top Vertical Position

CID 9500 Dosimetric Objective Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1210**

Table CID 9500. Dosimetric Objective Types

Coding Scheme Designator	Code Value	Code Meaning
Include CID 9532 “No-Parameter Dosimetric Objectives”		
Include CID 9529 “Single Dose Dosimetric Objectives”		
Include CID 9530 “Percentage and Dose Dosimetric Objectives”		
Include CID 9531 “Volume and Dose Dosimetric Objectives”		
DCM	130074	Specified Conformity Index
DCM	130075	Specified Healthy Tissue Conformity Index
DCM	130076	Specified Conformation Number
DCM	130077	Specified Homogeneity Index

CID 9501 Prescription Anatomy Categories

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1211**

Table CID 9501. Prescription Anatomy Categories

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	91723000	Anatomical Structure	T-D000A	C1268086
DCM	130047	External Body Model		
SCT	260787004	Physical object	A-00004	C0085089
DCM	130046	Non-specific Volume		

CID 9502 RT Segment Annotation Categories

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1212**

Table CID 9502. RT Segment Annotation Categories

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	130041	RT Target		
DCM	130042	RT Dose Calculation Structure		
DCM	130043	RT Geometric Information		
DCM	130047	External Body Model		
DCM	130044	Fixation or Positioning Device		
DCM	130045	Brachytherapy Device		
SCT	260787004	Physical object	A-00004	C0085089
DCM	130046	Non-specific Volume		

CID 9503 Radiotherapy Therapeutic Role Categories

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1213**

Table CID 9503. Radiotherapy Therapeutic Role Categories

Coding Scheme Designator	Code Value	Code Meaning
DCM	130041	RT Target
DCM	130042	RT Dose Calculation Structure

CID 9504 RT Geometric Information

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1214**

Table CID 9504. RT Geometric Information

Coding Scheme Designator	Code Value	Code Meaning
DCM	130069	Patient Setup Point
DCM	130070	Room Laser Patient Setup Point
DCM	130071	Moveable Laser Patient Setup Point
DCM	130072	Reference Acquisition Point
DCM	130073	Isocentric Treatment Location Point

CID 9505 Fixation or Positioning Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1215**

Table CID 9505. Fixation or Positioning Devices

Coding Scheme Designator	Code Value	Code Meaning
Include CID 9513 “Fixation Devices”		
Include CID 9515 “RT Patient Support Devices”		

CID 9506 Brachytherapy Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1216**

Table CID 9506. Brachytherapy Devices

Coding Scheme Designator	Code Value	Code Meaning
DCM	130078	Brachytherapy source applicator
DCM	130079	Brachytherapy channel shield
DCM	130080	Brachytherapy channel

CID 9507 External Body Models

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1217**

Table CID 9507. External Body Models

Coding Scheme Designator	Code Value	Code Meaning
DCM	130067	Patient Anatomy Model
DCM	130068	Extended Patient Anatomy Model

CID 9508 Non-specific Volumes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1218**

Table CID 9508. Nonspecific Volumes

Coding Scheme Designator	Code Value	Code Meaning
DCM	130048	Unclassified Volume
DCM	130081	Unclassified Combination

CID 9509 Purpose of Reference For RT Physician Intent Input

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1219**

Table CID 9509. Purpose of Reference for RT Physician Intent Input

Coding Scheme Designator	Code Value	Code Meaning
DCM	130135	Historical RT Prescription
DCM	128181	Diagnostic Source Images
DCM	128182	Segmentation Result
DCM	128183	Registration Result
DCM	130136	RT Prescription Input Images
LN	30954-2	Relevant Diagnostic Tests and/or Laboratory Data

CID 9510 Purpose of Reference For RT Treatment Planning Input

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1220**

Table CID 9510. Purpose of Reference for RT Treatment Planning Input

Coding Scheme Designator	Code Value	Code Meaning
DCM	128181	Diagnostic Source Images
DCM	128182	Segmentation Result
DCM	128183	Registration Result
DCM	128186	RT Prescription Result
DCM	130137	RT Treatment Planning Input Images

CID 9511 General External Radiotherapy Procedure Techniques

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1221**

Table CID 9511. General External Radiotherapy Procedure Techniques

Coding Scheme Designator	Code Value	Code Meaning
DCM	130102	Static Beam
DCM	130103	Arc Beam
DCM	130104	Conformal Arc Beam
DCM	130105	Step and Shoot Beam

Coding Scheme Designator	Code Value	Code Meaning
DCM	130106	Sliding Window Beam
DCM	130107	VMAT

CID 9512 Tomotherapeutic Radiotherapy Procedure Techniques

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1222**

Table CID 9512. Tomotherapeutic Radiotherapy Procedure Techniques

Coding Scheme Designator	Code Value	Code Meaning
DCM	130108	Helical Beam
DCM	130109	Topographic Beam

CID 9513 Fixation Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181116**
UID: **1.2.840.10008.6.1.1223**

Table CID 9513. Fixation Devices

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	228745001	Bite block	A-01105	C0179321
DCM	130110	Headframe		
DCM	130111	Head Mask		
DCM	130112	Head and Neck Mask		
DCM	130113	Mold		
DCM	130114	Cast		
SCT	706683002	Headrest	R-FEEC3	C0181130
DCM	130116	Breast Board		
DCM	130117	Body Frame		
DCM	130118	Vacuum Mold		
DCM	130119	Whole Body Pod		
DCM	130120	Rectal Balloon		
DCM	130121	Vaginal Cylinder		

CID 9514 Anatomical Structures For Radiotherapy

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1224**

Table CID 9514. Anatomical Structures for Radiotherapy

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 4031 “Common Anatomic Regions”				
Include CID 7192 “Anatomical Structure Segmentation Property Types”				

CID 9515 RT Patient Support Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181116**
UID: **1.2.840.10008.6.1.1225**

Table CID 9515. RT Patient Support Devices

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	86407004	Table	A-17350	C0039224
SCT	706699008	Chair	R-FE814	C0179847

CID 9516 Radiotherapy Bolus Device Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1226**

Table CID 9516. Radiotherapy Bolus Device Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	228736002	Surface Bolus	A-010FB	C0454145

CID 9517 Radiotherapy Block Device Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1227**

Table CID 9517. Radiotherapy Block Device Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	228739009	Shielding Block	A-010FE	C0454148
DCM	130123	Aperture Block		

CID 9518 Radiotherapy Accessory No-slot Holder Device Types

Codes for Radiotherapy devices holding other accessories without using slots.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1228**

Table CID 9518. Radiotherapy Accessory No-Slot Holder Device Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	130124	Accessory Tray

CID 9519 Radiotherapy Accessory Slot Holder Device Types

Codes for Radiotherapy devices holding other accessories using slots.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1229**

Table CID 9519. Radiotherapy Accessory Slot Holder Device Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	130125	Radiotherapy Applicator

CID 9520 Segmented RT Accessory Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1230**

Table CID 9520. Segmented RT Accessory Devices

Coding Scheme Designator	Code Value	Code Meaning
Include CID 9513 “Fixation Devices”		
Include CID 9506 “Brachytherapy Devices”		
Include CID 9515 “RT Patient Support Devices”		
Include CID 9516 “Radiotherapy Bolus Device Types”		
Include CID 9517 “Radiotherapy Block Device Types”		
Include CID 9518 “Radiotherapy Accessory No-slot Holder Device Types”		
Include CID 9519 “Radiotherapy Accessory Slot Holder Device Types”		

CID 9521 Radiotherapy Treatment Energy Unit

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1231**

Table CID 9521. Radiotherapy Treatment Energy Unit

Coding Scheme Designator	Code Value	Code Meaning
UCUM	MV	Megavolt
UCUM	MeV	Megaelectronvolt
UCUM	kV	Kilovolt

CID 9522 Multi-source Radiotherapy Procedure Techniques

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20181112**
UID: **1.2.840.10008.6.1.1232**

Table CID 9522. Multi-Source Radiotherapy Procedure Techniques

Coding Scheme Designator	Code Value	Code Meaning
DCM	130138	Multiple Fixed Sources

CID 9523 Robotic Radiotherapy Procedure Techniques

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1233**

Table CID 9523. Robotic Radiotherapy Procedure Techniques

Coding Scheme Designator	Code Value	Code Meaning
DCM	130139	Synchronized Robotic Treatment
DCM	130140	Non-Synchronized Robotic Treatment

CID 9524 Radiotherapy Procedure Techniques

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1234**

Table CID 9524. Radiotherapy Procedure Techniques

Coding Scheme Designator	Code Value	Code Meaning
Include CID 9511 “General External Radiotherapy Procedure Techniques”		
Include CID 9512 “Tomotherapeutic Radiotherapy Procedure Techniques”		
Include CID 9522 “Multi-source Radiotherapy Procedure Techniques”		
Include CID 9523 “Robotic Radiotherapy Procedure Techniques”		

CID 9525 Radiation Therapy Particle

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1235**

Table CID 9525. Radiation Therapy Particle

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	290006006	Photon	F-61790	C0086805
SCT	46602004	Electron	C-10004	C0013852

CID 9526 Ion Therapy Particle

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20181122**
UID: **1.2.840.10008.6.1.1236**

Table CID 9526. Ion Therapy Particle

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	48006008	Electron	C-10001	C0022023
SCT	89177007	Proton	C-10005	C0033727
DCM	130141	^3^Helium nucleus		
DCM	130142	^4^Helium nucleus		
DCM	130143	^12^Carbon nucleus		
DCM	130144	^16^Oxygen nucleus		

CID 9527 Teletherapy Isotope

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1237**

Table CID 9527. Teletherapy Isotope

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	5405008	^60^Cobalt	C-144A6	C0303395

CID 9528 Brachytherapy Isotope

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1238**

Table CID 9528. Brachytherapy Isotope

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	55117002	^137^Cesium	C-142B2	C0303379
SCT	13237009	^131^Cesium	C-142A5	C0303373
SCT	48341001	^192^Iridium	C-151B2	C0303472
SCT	68630002	^125^Iodine	C-114A6	C0796396
SCT	9351000	^103^Palladium	C-160A3	C0303566
SCT	35978008	^252^Californium	C-124B4	C0303150
SCT	5405008	^60^Cobalt	C-144A6	C0303395
SCT	28243009	^226^Radium	C-136A5	C0303284
SCT	14691008	^90^Yttrium	C-162A7	C0303596
SCT	24301009	^198^Gold	C-146A9	C0303420
SCT	32505007	^32^Phosphorus	C-106A1	C0851287
SCT	51800004	^222^Radon	C-136B6	C0303292
SCT	14071002	^90^Strontium	C-158A7	C0303547
SCT	8227001	^106^Ruthenium	C-180A5	C0303733
SCT	41758004	^169^Ytterbium	C-181A3	C0303739

CID 9529 Single Dose Dosimetric Objectives

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1239**

Table CID 9529. Single Dose Dosimetric Objectives

Coding Scheme Designator	Code Value	Code Meaning
DCM	130001	Minimum Surface Radiation Dose
DCM	130002	Maximum Surface Radiation Dose
DCM	130003	Minimum Radiation Dose
DCM	130004	Maximum Radiation Dose
DCM	130005	Minimum Mean Radiation Dose
DCM	130006	Maximum Mean Radiation Dose
DCM	130007	Minimum Equivalent Uniform Dose
DCM	130008	Maximum Equivalent Uniform Dose
DCM	130009	Prescription Radiation Dose

CID 9530 Percentage and Dose Dosimetric Objectives

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1240**

Table CID 9530. Percentage and Dose Dosimetric Objectives

Coding Scheme Designator	Code Value	Code Meaning
DCM	130014	Minimum Percent Volume at Radiation Dose
DCM	130015	Maximum Percent Volume at Radiation Dose

CID 9531 Volume and Dose Dosimetric Objectives

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1241**

Table CID 9531. Volume and Dose Dosimetric Objectives

Coding Scheme Designator	Code Value	Code Meaning
DCM	130016	Minimum Absolute Volume at Radiation Dose
DCM	130017	Maximum Absolute Volume at Radiation Dose

CID 9532 No-Parameter Dosimetric Objectives

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1242**

Table CID 9532. No-Parameter Dosimetric Objectives

Coding Scheme Designator	Code Value	Code Meaning
DCM	130018	Minimize Meterset

CID 9533 Delivery Time Structure

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1243**

Table CID 9533. Delivery Time Structure

Coding Scheme Designator	Code Value	Code Meaning
DCM	130096	Single Fraction
DCM	130097	Standard Fractionation
DCM	130098	Hypo-fractionation
DCM	130099	Hyper-fractionation
DCM	130100	Continuous Temporary
DCM	130101	Continuous Permanent

CID 9534 Radiotherapy Targets

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1244**

Table CID 9534. Radiotherapy Targets

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	130049	CTV Nodal		
DCM	130050	CTV Primary		
SCT	228792002	CTV	R-429EB	C0454198
DCM	130051	GTV Nodal		
DCM	130052	GTV Primary		
SCT	228791009	GTV	R-429E0	C0475645
DCM	130053	PTV Nodal		
DCM	130054	PTV Primary		
SCT	228793007	PTV	R-429EC	C0454199
DCM	130056	ITV		
DCM	130059	Treated Volume		
SCT	228790005	Irradiated Volume	R-429DF	C0454197
DCM	130055	Entire Body Target Volume		
DCM	130063	Radiation Dose Normalization Point		
DCM	130064	Radiation Dose Reference Point		

CID 9535 Radiotherapy Dose Calculation Roles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1245**

Table CID 9535. Radiotherapy Dose Calculation Roles

Coding Scheme Designator	Code Value	Code Meaning
DCM	130057	Planning Organ At Risk Volume
DCM	130058	Avoidance Volume
DCM	130060	Organ At Risk
DCM	130061	Radiation Dose Shaping Volume
DCM	130062	Conformality Shell
DCM	130065	Dose Calculation Bounding Volume
DCM	130066	Radiation Interaction Volume

CID 9536 Radiotherapy Prescribing and Segmenting Person Roles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1246**

Table CID 9536. Radiotherapy Prescribing and Segmenting Person Roles

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	158965000	Medical Practitioner	J-0016E	C1306754
SCT	309343006	Physician	J-004E8	C0031831
SCT	159016003	Radiologic Technologist	J-00187	C0402007
DCM	128674	Lead Radiologic Technologist		
SCT	3430008	Radiation Therapist	J-06173	C0278604
SCT	159016003	Radiographer	J-00187	C0402007
SCT	405277009	Resident	J-005E6	C1320928
UMLS	C1441532	Consulting Physician		C1441532
UMLS	C2985483	Radiation Physicist		C2985483
UMLS	C1708969	Medical Physicist		C1708969

CID 9537 Effective Dose Calculation Method Categories

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1247**

Table CID 9537. Effective Dose Calculation Method Categories

Coding Scheme Designator	Code Value	Code Meaning
DCM	130126	Radiation transport-based methods
DCM	130127	Fractionation-based or temporally-based methods

CID 9538 Radiation Transport-based Effective Dose Method Modifiers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1248**

Table CID 9538. Radiation Transport-Based Effective Dose Method Modifiers

Coding Scheme Designator	Code Value	Code Meaning
DCM	130128	Local Effect Model
DCM	130129	Microdosimetric Kinetic Model

CID 9539 Fractionation-based Effective Dose Method Modifiers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20181112**
UID: **1.2.840.10008.6.1.1249**

Table CID 9539. Fractionation-Based Effective Dose Method Modifers

Coding Scheme Designator	Code Value	Code Meaning
DCM	130130	Equivalent 2-Gray Fractions Model
DCM	130131	Linear-Quadratic Model
DCM	130132	Linear-Quadratic Model with Time Factor
DCM	130133	Linear-Quadratic-Linear Model
DCM	130134	Linear-Quadratic Model for Low-Dose Rate Brachytherapy

CID 10000 Scope of Accumulation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20131010**
UID: **1.2.840.10008.6.1.534**

Table CID 10000. Scope of Accumulation

Coding Scheme Designator	Code Value	Code Meaning
DCM	113014	Study
DCM	113015	Series
DCM	113016	Performed Procedure Step
DCM	113970	Procedure Step To This Point
DCM	113852	Irradiation Event

CID 10001 UID Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20190327**
UID: **1.2.840.10008.6.1.535**

Table CID 10001. UID Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	110180	Study Instance UID
DCM	112002	Series Instance UID
DCM	121126	Performed Procedure Step SOP Instance UID
DCM	113769	Irradiation Event UID

CID 10002 Irradiation Event Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051101**
UID: **1.2.840.10008.6.1.536**

Table CID 10002. Irradiation Event Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	44491008	Fluoroscopy	P5-06000	C0016356
DCM	113611	Stationary Acquisition		
DCM	113612	Stepping Acquisition		
DCM	113613	Rotational Acquisition		

CID 10003 Equipment Plane Identification

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20081028**
UID: **1.2.840.10008.6.1.537**

Table CID 10003. Equipment Plane Identification

Coding Scheme Designator	Code Value	Code Meaning
DCM	113620	Plane A
DCM	113621	Plane B
DCM	113622	Single Plane
DCM	113890	All Planes

CID 10004 Fluoro Modes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051101**
UID: **1.2.840.10008.6.1.538**

Table CID 10004. Fluoro Modes

Coding Scheme Designator	Code Value	Code Meaning
DCM	113630	Continuous
DCM	113631	Pulsed

CID 10006 X-Ray Filter Materials

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.539**

Table CID 10006. X-Ray Filter Materials

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	105860002	Molybdenum or Molybdenum compound	C-150F9	C0303452
SCT	105830007	Aluminum or Aluminum compound	C-120F9	C0002369
SCT	105837005	Copper or Copper compound	C-127F9	C0303182
SCT	105877002	Rhodium or Rhodium compound	C-167F9	C0303636
SCT	429310004	Niobium or Niobium compound	C-1190E	C1998130
SCT	429591003	Europium or Europium compound	C-1190F	C1997243
SCT	105842002	Lead or Lead compound	C-132F9	C0439863
SCT	105866008	Tantalum or Tantalum compound	C-156F9	C0303513
SCT	105847008	Silver or Silver compound	C-137F9	C0037126
SCT	105849006	Tin or Tin compound	C-139F9	C0303330

CID 10007 X-Ray Filter Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20131010**
UID: **1.2.840.10008.6.1.540**

Table CID 10007. X-Ray Filter Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	113650	Strip filter
DCM	113651	Wedge filter
DCM	113652	Butterfly filter
DCM	113653	Flat filter
DCM	111609	No Filter

CID 10008 Dose Related Distance Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.541**

Table CID 10008. Dose Related Distance Measurements

Coding Scheme Designator	Code Value	Code Meaning
DCM	113748	Distance Source to Isocenter
DCM	113737	Distance Source to Reference Point
DCM	113750	Distance Source to Detector

Coding Scheme Designator	Code Value	Code Meaning
DCM	113751	Table Longitudinal Position
DCM	113752	Table Lateral Position
DCM	113753	Table Height Position
DCM	113792	Distance Source to Table Plane
DCM	113759	Table Longitudinal End Position
DCM	113760	Table Lateral End Position
DCM	113761	Table Height End Position
DCM	128766	Table X Position to Isocenter
DCM	128767	Table Y Position to Isocenter
DCM	128768	Table Z Position to Isocenter
DCM	128769	Table X End Position to Isocenter
DCM	128770	Table Y End Position to Isocenter
DCM	128771	Table Z End Position to Isocenter

CID 10009 Measured/Calculated

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051101**
UID: **1.2.840.10008.6.1.542**

Table CID 10009. Measured/Calculated

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	258104002	Measured	R-41D41	C0444706
SCT	258090004	Calculated	R-41D2D	C0444686
SCT	414135002	Estimated	R-10260	C0750572

CID 10010 Dose Measurement Devices

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20051101**
UID: **1.2.840.10008.6.1.543**

Table CID 10010. Dose Measurement Devices

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	15869005	Dosimeter	A-2C090	C0180488

CID 10011 Effective Dose Evaluation Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20071031**
UID: **1.2.840.10008.6.1.544**

Table CID 10011. Effective Dose Evaluation Method

Coding Scheme Designator	Code Value	Code Meaning
DCM	113800	DLP to E conversion via MC computation
DCM	113801	CTDIfreeair to E conversion via MC computation
DCM	113802	DLP to E conversion via measurement
DCM	113803	CTDIfreeair to E conversion via measurement

CID 10013 CT Acquisition Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.545**

Table CID 10013. CT Acquisition Type

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	113804	Sequenced Acquisition		
SCT	116152004	Spiral Acquisition	P5-08001	C0860888
DCM	113805	Constant Angle Acquisition		
DCM	113806	Stationary Acquisition		
DCM	113807	Free Acquisition		
SCT	702569007	Cone Beam Acquisition	R-FB8F1	C3839509

CID 10014 Contrast Imaging Technique

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20071031**
UID: **1.2.840.10008.6.1.546**

Table CID 10014. Contrast Imaging Technique

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	27483000	Diagnostic radiography with contrast media	P5-00100	C0542435
SCT	399331006	CT without contrast	P5-0808E	C1275400

CID 10015 CT Dose Reference Authorities

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20081027**
UID: **1.2.840.10008.6.1.547**

Table CID 10015. CT Dose Reference Authorities

Coding Scheme Designator	Code Value	Code Meaning
DCM	113808	ICRP Pub 60
DCM	113841	ICRP Pub 103

CID 10016 Anode Target Material

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.548**

Table CID 10016. Anode Target Material

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	105860002	Molybdenum or Molybdenum compound	C-150F9	C0303452
SCT	105877002	Rhodium or Rhodium compound	C-167F9	C0303636
SCT	105874009	Tungsten or Tungsten compound	C-164F9	C0041384

CID 10017 X-Ray Grid

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20070827**
UID: **1.2.840.10008.6.1.549**

Table CID 10017. X-Ray Grid

Coding Scheme Designator	Code Value	Code Meaning
DCM	111641	Fixed grid
DCM	111642	Focused grid
DCM	111643	Reciprocating grid
DCM	111644	Parallel grid
DCM	111645	Crossed grid
DCM	111646	No grid

CID 10020 Source of Projection X-Ray Dose Information

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20120406**
UID: **1.2.840.10008.6.1.1054**

Table CID 10020. Source of Projection X-Ray Dose Information

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	113856	Automated Data Collection		
DCM	113857	Manual Entry		
DCM	113858	MPPS Content		
SCT	15869005	Dosimeter	A-2C090	C0180488
DCM	113866	Copied From Image Attributes		
DCM	113867	Computed From Image Attributes		
DCM	113868	Derived From Human-Readable Reports		
DCM	113940	System Calculated		

CID 10021 Source of CT Dose Information

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20081028**
UID: **1.2.840.10008.6.1.1055**

Table CID 10021. Source of CT Dose Information

Coding Scheme Designator	Code Value	Code Meaning
DCM	113856	Automated Data Collection
DCM	113857	Manual Entry
DCM	113866	Copied From Image Attributes
DCM	113867	Computed From Image Attributes
DCM	113868	Derived From Human-Readable Reports

CID 10022 Label Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110816**
UID: **1.2.840.10008.6.1.935**

Table CID 10022. Label Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	113607	Series Number
DCM	113608	Acquisition Number
DCM	113609	Instance Number

CID 10023 Size Specific Dose Estimation Method for CT

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.947**

Table CID 10023. Size Specific Dose Estimation Method for CT

Coding Scheme Designator	Code Value	Code Meaning
DCM	113934	AAPM 204 Lateral Dimension
DCM	113935	AAPM 204 AP Dimension
DCM	113936	AAPM 204 Sum of Lateral and AP Dimension
DCM	113937	AAPM 204 Effective Diameter Estimated From Patient Age
DCM	113981	Water Equivalent Diameter Representative Value
DCM	113982	Water Equivalent Diameter Integrated Across Scan Range
DCM	113983	Water Equivalent Diameter From Raw Data
DCM	113984	Water Equivalent Diameter From Localizer

CID 10024 Water Equivalent Diameter Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20160314**
UID: **1.2.840.10008.6.1.1114**

Table CID 10024. Water Equivalent Diameter Method

Coding Scheme Designator	Code Value	Code Meaning
DCM	113987	AAPM 220

CID 10025 Radiation Dose Reference Points

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170416**
UID: **1.2.840.10008.6.1.1056**

Table CID 10025. Radiation Dose Reference Points

Coding Scheme Designator	Code Value	Code Meaning
DCM	113860	15cm from Isocenter toward Source
DCM	113861	30cm in Front of Image Input Surface
DCM	113862	1cm above Tabletop
DCM	113863	30cm above Tabletop
DCM	113864	15cm from Table Centerline
DCM	113865	Entrance exposure to a 4.2 cm breast thickness
DCM	113941	In Detector Plane
DCM	113964	At Surface of Patient

CID 10030 Detector Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20120406**
UID: **1.2.840.10008.6.1.959**

Table CID 10030. Detector Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	113948	Direct Detector
DCM	113949	Indirect Detector
DCM	113950	Storage Detector
DCM	113951	Film

CID 10031 CR/DR Mechanical Configuration

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20120406**
UID: **1.2.840.10008.6.1.960**

Table CID 10031. CR/DR Mechanical Configuration

Coding Scheme Designator	Code Value	Code Meaning
DCM	113953	Unmounted Detector

Coding Scheme Designator	Code Value	Code Meaning
DCM	113952	Table Mount
DCM	113954	Upright Stand Mount
DCM	113955	C-Arm Mount

CID 10032 Projection X-Ray Acquisition Device Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20120406**
UID: **1.2.840.10008.6.1.961**

Table CID 10032. Projection X-Ray Acquisition Device Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	113957	Fluoroscopy-Guided Projection Radiography System
DCM	113958	Integrated Projection Radiography System
DCM	113959	Cassette-based Projection Radiography System

CID 10033 CT Reconstruction Algorithm

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20130207**
UID: **1.2.840.10008.6.1.958**

Table CID 10033. CT Reconstruction Algorithm

Coding Scheme Designator	Code Value	Code Meaning
DCM	113962	Filtered Back Projection
DCM	113963	Iterative Reconstruction

Note

The values in this Context Group correspond to the Defined Terms for Reconstruction Algorithm (0018,9315) used in the CT Reconstruction Functional Group Macro in PS3.3.

CID 10034 Reason for Repeating Acquisition

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170418**
UID: **1.2.840.10008.6.1.1175**

Table CID 10034. Reason for Repeating Acquisition

Coding Scheme Designator	Code Value	Code Meaning
DCM	128553	Patient motion
DCM	128554	Suboptimal contrast timing

CID 10040 Radiopharmaceutical Organ Dose Reference Authority

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140419**
UID: **1.2.840.10008.6.1.972**

Table CID 10040. Radiopharmaceutical Organ Dose Reference Authority

Coding Scheme Designator	Code Value	Code Meaning
DCM	113520	MIRD Pamphlet 1
DCM	113521	ICRP Publication 53
DCM	113526	MIRDOSE
DCM	113527	OLINDA-EXM
DCM	113528	Package Insert
DCM	113529	Institutionally Approved Estimates
DCM	113530	Investigational New Drug
DCM	113522	ICRP Publication 80
DCM	113523	ICRP Publication 106

CID 10041 Source of Radioisotope Activity Information

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140419**
UID: **1.2.840.10008.6.1.973**

Table CID 10041. Source of Radioisotope Activity Information

Coding Scheme Designator	Code Value	Code Meaning
DCM	113541	Dose Calibrator
DCM	113542	Infusion System
DCM	113543	Radioisotope Generator

CID 10043 Intravenous Extravasation Symptoms

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140419**
UID: **1.2.840.10008.6.1.975**

Table CID 10043. Intravenous Extravasation Symptoms

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	95382004	Injection site abscess	D0-B0324	C0151464
SCT	95398006	Injection site anesthesia	D0-B0380	C0234944
SCT	95404001	Injection site atrophy	D0-B03A4	C0151512
SCT	95401009	Injection site bruising	D0-B0394	C0521508
SCT	95389008	Injection site burning	D0-B0342	C0521503
SCT	95396005	Injection site cyst	D0-B0364	C0151584
SCT	95393002	Injection site dermatitis	D0-B0354	C0521505
SCT	95376002	Injection site disorder	D0-B0300	C0521497
SCT	95392007	Injection site edema	D0-B0352	C0151605
SCT	95403007	Injection site fibrosis	D0-B03A2	C0151649
SCT	24389009	Injection site granuloma	M-44150	C0085654
SCT	95385002	Injection site hemorrhage	D0-B0334	C0151698

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	95378001	Injection site hypersensitivity	D0-B0311	C0151726
SCT	95402002	Injection site induration	D0-B03A0	C0521509
SCT	95381006	Injection site infection	D0-B0320	C0221714
SCT	95391000	Injection site inflammation	D0-B0350	C0151734
SCT	95379009	Injection site irritation	D0-B0312	C0521498
SCT	95387005	Injection site malabsorption	D0-B0339	C0521502
SCT	95395009	Injection site mass	D0-B0360	C0151775
SCT	95397001	Injection site necrosis	D0-B0370	C0151795
SCT	95390004	Injection site nerve damage	D0-B0346	C0521504
SCT	95388000	Injection site pain	D0-B0340	C0151828
SCT	95399003	Injection site paresthesia	D0-B0382	C0521506
SCT	95380007	Injection site pigmentation change	D0-B0314	C0521499
SCT	95377006	Injection site reaction	D0-B0310	C0151735
SCT	111017005	Injection site scar	M-78066	C1142162
SCT	95383009	Injection site sterile abscess	D0-B0326	C0234938
SCT	95386001	Injection site thrombosis	D0-B0338	C0521501
SCT	95400005	Injection site ulcer	D0-B0390	C0521507
SCT	95394008	Injection site urticaria	D0-B0356	C0392196
DCM	113568	Extravasation visible in image		

CID 10044 Radiosensitive Organs

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.976**

Table CID 10044. Radiosensitive Organs

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	23451007	Adrenal gland	T-B3000	C0001625
SCT	89837001	Bladder	T-74000	C0005682
SCT	12738006	Brain	T-A0100	C0006104
SCT	76752008	Breast	T-04000	C0006141
SCT	14016003	Bone Marrow	T-C1000	C0005953
SCT	425647002	Bone Surface	T-D0859	C1960754
SCT	71854001	Colon	T-59300	C0009368
SCT	32849002	Esophagus	T-56000	C0014876
SCT	78076003	Eye lenses	T-AA700	C0023317
SCT	28231008	Gallbladder	T-63000	C0016976
SCT	80891009	Heart	T-32000	C0018787
SCT	64033007	Kidney	T-71000	C0022646
SCT	10200004	Liver	T-62000	C0023884

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	39607008	Lung	T-28000	C0024109
SCT	59441001	Lymph node	T-C4000	C0024204
SCT	71616004	Muscle	T-13001	C0026845
SCT	113277000	Oral mucosa	T-51300	C0026639
SCT	15497006	Ovary	T-87000	C0029939
SCT	15776009	Pancreas	T-65000	C0030274
SCT	41216001	Prostate	T-92000	C0033572
SCT	385294005	Salivary Glands	T-61007	C0036098
SCT	39937001	Skin	T-01000	C1123023
SCT	30315005	Small intestine	T-58000	C0021852
SCT	78961009	Spleen	T-C3000	C0037993
SCT	69695003	Stomach	T-57000	C0038351
SCT	40689003	Testis	T-94000	C0039597
SCT	9875009	Thymus	T-C8000	C0040113
SCT	69748006	Thyroid	T-B6000	C0040132
SCT	35039007	Uterus	T-83000	C0042149

CID 10045 Radiopharmaceutical Patient State

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140419**
UID: **1.2.840.10008.6.1.977**

Table CID 10045. Radiopharmaceutical Patient State

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 3102 “Rest-Stress”				
SCT	39539005	Abnormal Renal Function	F-70102	C0151746
DCM	113560	Acute unilateral renal blockage		
DCM	113561	Low Thyroid Uptake		
DCM	113562	High Thyroid Uptake		
DCM	113563	Severely Jaundiced		

CID 10046 GFR Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140419**
UID: **1.2.840.10008.6.1.978**

Table CID 10046. GFR Measurements

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	33914-3	Glomerular Filtration Rate (MDRD)	C1316377
LN	48642-3	Glomerular Filtration Rate non-black (MDRD)	C1954228

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	48643-1	Glomerular Filtration Rate black (MDRD)	C1954230
LN	50044-7	Glomerular Filtration Rate female (MDRD)	C1976998
LN	50210-4	Glomerular Filtration Rate Cystatin-based formula	C1978041
LN	50384-7	Glomerular Filtration Rate Creatinine-based formula (Schwartz)	C1978244
LN	35591-7	Cockroft-Gault Formula estimation of GFR	C1507751
LN	62238-1	CKD-EPI Formula estimation of GFR	C2973160

CID 10047 GFR Measurement Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20140419**
UID: **1.2.840.10008.6.1.979**

Table CID 10047. GFR Measurement Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	113570	Cockroft-Gault Formula estimation of GFR
DCM	113571	CKD-EPI Formula estimation of GFR
DCM	113572	Glomerular Filtration Rate (MDRD)
DCM	113573	Glomerular Filtration Rate non-black (MDRD)
DCM	113574	Glomerular Filtration Rate black (MDRD)
DCM	113575	Glomerular Filtration Rate female (MDRD)
DCM	113576	Glomerular Filtration Rate Cystatin-based formula
DCM	113577	Glomerular Filtration Rate Creatinine-based formula (Schwartz)

CID 10050 Summary Radiation Exposure Quantities

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20150324**
UID: **1.2.840.10008.6.1.1028**

Table CID 10050. Summary Radiation Exposure Quantities

Coding Scheme Designator	Code Value	Code Meaning
DCM	111636	Entrance Exposure at RP
DCM	111637	Accumulated Average Glandular Dose (mammo)
DCM	113722	Dose Area Product Total
DCM	113726	Fluoro Dose Area Product Total
DCM	113727	Acquisition Dose Area Product Total
DCM	113730	Total Fluoro Time
DCM	113731	Total Number of Radiographic Frames
DCM	113507	Administered activity
DCM	113813	CT Dose Length Product Total
DCM	113830	Mean CTDIvol

Coding Scheme Designator	Code Value	Code Meaning
DCM	113839	Effective Dose

Instruction to Editor: No change to the following Context Groups

CID 10060 Organs for Radiation Dose Estimates

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1154**

Table CID 10060. Organs for Radiation Dose Estimates

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 10044 “Radiosensitive Organs”				
SCT	38266002	Entire body	T-D0010	C0229960
DCM	113681	Phantom		

CID 10061 Absorbed Radiation Dose Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1155**

Table CID 10061. Absorbed Radiation Dose Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	128531	Maximum Absorbed Radiation Dose
DCM	128532	Minimum Absorbed Radiation Dose
DCM	128533	Mean Absorbed Radiation Dose
DCM	128534	Mode Absorbed Radiation Dose
DCM	128539	Median Absorbed Radiation Dose

CID 10062 Equivalent Radiation Dose Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1156**

Table CID 10062. Equivalent Radiation Dose Types

Coding Scheme Designator	Code Value	Code Meaning
DCM	128535	Maximum Equivalent Radiation Dose
DCM	128536	Minimum Equivalent Radiation Dose
DCM	128537	Mean Equivalent Radiation Dose
DCM	128538	Mode Equivalent Radiation Dose
DCM	128540	Median Equivalent Radiation Dose

CID 10063 Radiation Dose Estimate Distribution Representation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1157**

Table CID 10063. Radiation Dose Estimate Distribution Representation

Coding Scheme Designator	Code Value	Code Meaning
DCM	128484	Isodose
DCM	128485	Skin Dose Map
DCM	128487	3D Dose Map
DCM	128488	Dose Gradient
DCM	128496	Dose Point Cloud
DCM	121342	Dose Image

CID 10064 Patient Model Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1158**

Table CID 10064. Patient Model Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	128418	Simple Object Model
DCM	128404	Anthropomorphic Model
DCM	128494	Patient Segmented Model

CID 10065 Radiation Transport Model Type

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1159**

Table CID 10065. Radiation Transport Model Type

Coding Scheme Designator	Code Value	Code Meaning
DCM	128421	Geometric Radiation Transport Model
DCM	128422	Voxelized Radiation Transport Model
DCM	128423	Mesh Radiation Transport Model
DCM	128424	NURBS Radiation Transport Model
DCM	128497	Measured Radiation Dose
DCM	128406	BREP Radiation Transport Model

CID 10066 Attenuator Category

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1160**

Table CID 10066. Attenuator Category

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	128459	Table		
DCM	128460	Table Core		
DCM	128461	Table Outer Liner		
DCM	128462	Table Pad		
SCT	65577000	X-Ray shield	A-2C152	C0183263
DCM	128431	Beam Block		
SCT	228739009	Shielding Block	A-010FE	C0454148
DCM	128492	Patient Support		
DCM	113771	X-Ray Filters		

CID 10067 Radiation Attenuator Materials

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1161**

Table CID 10067. Radiation Attenuator Materials

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 10006 “X-Ray Filter Materials”				
SCT	256501007	Carbon Fiber	F-61202	C0108411

CID 10068 Estimate Method Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1162**

Table CID 10068. Estimate Method Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
MSH	D009010	Monte Carlo Method		C0026507
DCM	128479	Tabular Data Algorithm		
DCM	128480	Analytical Algorithm		
DCM	128481	Empirical Algorithm		

CID 10069 Radiation Dose Estimation Parameter

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1163**

Table CID 10069. Radiation Dose Estimation Parameter

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	128405	Breast Thickness		
DCM	111634	Half Value Layer		
DCM	111046	Percent Fibroglandular Tissue		
DCM	128407	DgN		
DCM	128408	Patient AP Dimension		
DCM	128409	Patient Lateral Dimension		
DCM	128410	SSDE Conversion Factor		
DCM	128411	Backscatter		
DCM	113981	Water Equivalent Diameter Representative Value		
DCM	113982	Water Equivalent Diameter Integrated Across Scan Range		
DCM	113983	Water Equivalent Diameter From Raw Data		
DCM	113984	Water Equivalent Diameter From Localizer		
DCM	128433	Tissue Air Ratio		
DCM	128452	Correction Factor		
DCM	128453	Curve Fit Parameter		
DCM	128455	Homogeneity Factor		
DCM	128522	Normalization Factor		
DCM	128523	Offset Factor		
DCM	112031	Attenuation Coefficient		
DCM	128526	Tissue Fraction		
DCM	128527	Distance Correction		
NCIt	C70774	Unit Conversion Factor		C2349023
DCM	121206	Distance		

CID 10070 Radiation Dose Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170405**
UID: **1.2.840.10008.6.1.1164**

Table CID 10070. Radiation Dose Types

Coding Scheme Designator	Code Value	Code Meaning	Units
DCM	128513	Absorbed Dose	>DCID 10071 “Radiation Dose Units”
DCM	128512	Equivalent Dose	>DCID 10071 “Radiation Dose Units”

CID 10071 Radiation Dose Units

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180605**
UID: **1.2.840.10008.6.1.1206**

Table CID 10071. Radiation Dose Units

Coding Scheme Designator	Code Value	Code Meaning
UCUM	Gy	Gy
UCUM	Sv	Sv

CID 12001 Ultrasound Protocol Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20081027**
UID: **1.2.840.10008.6.1.550**

Table CID 12001. Ultrasound Protocol Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	40701008	Echocardiography	P5-B3000	C0013516
SCT	105376000	Transesophageal echocardiography	P5-B3002	C0206054
SCT	433236007	Transthoracic echocardiography	P5-B3012	C0430462
SCT	433232009	Epicardial echocardiography	P0-05F95	C0430465
SCT	252420009	Intravascular echocardiography	P5-B3005	C0430463
SCT	252421008	Intracardiac echocardiography	P5-B3006	C0430464
SCT	433233004	Exercise stress echocardiography	P5-B3050	C0430466
SCT	431852008	Pediatric echocardiography	P5-B300F	C2316452
SCT	429884006	Intraoperative echocardiography	P5-B300C	C2317581
SCT	433231002	Contrast echocardiography	P5-B3090	C0013518
SCT	433235006	Fetal echocardiography	P5-B8215	C0412564
Include CID 3261 “Stress Protocols”				

Note

In a prior version of this context group, Transthoracic echocardiography was assigned the code P5-B3003 and Epicardial echocardiography was assigned the code P5-B3004; these codes conflict with other SNOMED code assignments. In addition, the prior version used many codes that are not actually in SNOMED. Receiving applications should be aware of this change, and the possibility of misinterpretation of SOP Instances that may include the deprecated codes; see Annex J.

CID 12002 Ultrasound Protocol Stage Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20081027**
UID: **1.2.840.10008.6.1.551**

Table CID 12002. Ultrasound Protocol Stage Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 3207 “Stress Test Procedure Phases”				
Include CID 12102 “Temporal Periods Relating to Procedure or Therapy”				
SCT	18590009	Cardiac pacing	P2-35000	C0199640
SCT	128965002	Hand grip	P2-71306	C1293900

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	261039008	Valsalva maneuver	R-40928	C0042293

Note

A prior version of this context group used many codes that are not actually in SNOMED. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

CID 12003 OB-GYN Dates

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.552**

Table CID 12003. OB-GYN Dates

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11778-8	EDD	C0596000
LN	11779-6	EDD from LMP	C0596001
LN	11781-2	EDD from average ultrasound age	C0551898
LN	11780-4	EDD from ovulation date	C0551897
LN	11955-2	LMP	C0552072
LN	33066-2	Estimated LMP by EDD	C1315537
LN	11976-8	Ovulation date	C0552093
LN	33067-0	Conception Date	C1315538

CID 12004 Fetal Biometry Ratios

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.553**

Table CID 12004. Fetal Biometry Ratios

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11947-9	HC/AC	C0552064
LN	11871-1	FL/AC	C0551988
LN	11872-9	FL/BPD	C0551989
LN	11823-2	Cephalic Index	C0551940
LN	11873-7	FL/HC	C0551990

CID 12005 Fetal Biometry Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.554**

Table CID 12005. Fetal Biometry Measurements

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11979-2	Abdominal Circumference	C0552095
LN	11818-2	Anterior-Posterior Abdominal Diameter	C0551935
LN	11819-0	Anterior-Posterior Trunk Diameter	C0551936
LN	11820-8	Biparietal Diameter	C0551937
LN	11824-0	BPD area corrected	C0551941
LN	11860-4	Cisterna Magna	C0551977
LN	11963-6	Femur Length	C0552080
LN	11965-1	Foot length	C0552082
LN	11984-2	Head Circumference	C0552100
LN	11851-3	Occipital-Frontal Diameter	C0551968
LN	11988-3	Thoracic Circumference	C0552104
LN	33068-8	Thoracic Area	C1315539
LN	11862-0	Tranverse Abdominal Diameter	C0551979
LN	11863-8	Trans Cerebellar Diameter	C0551980
LN	11864-6	Transverse Thoracic Diameter	C0551981
LN	11853-9	Left Kidney thickness	C0551970
LN	11834-9	Left Kidney length	C0551951
LN	11825-7	Left Kidney width	C0551942
LN	11855-4	Right Kidney thickness	C0551972
LN	11836-4	Right Kidney length	C0551953
LN	11827-3	Right Kidney width	C0551944
LN	33191-8	APAD * TAD	C1315662

CID 12006 Fetal Long Bones Biometry Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.555**

Table CID 12006. Fetal Long Bones Biometry Measurements

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11966-9	Humerus length	C0552083
LN	11967-7	Radius length	C0552084
LN	11969-3	Ulna length	C0552086
LN	11968-5	Tibia length	C0552085
LN	11964-4	Fibula length	C0552081
LN	11962-8	Clavicle length	C0552079
LN	11963-6	Femur Length	C0552080

CID 12007 Fetal Cranium

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.556**

Table CID 12007. Fetal Cranium

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	12171-5	Lateral Ventricle width	C0552284
LN	11860-4	Cisterna Magna length	C0551977
LN	12146-7	Nuchal Fold thickness	C0552259
LN	33070-4	Inner Orbital Diameter	C1315541
LN	11629-3	Outer Orbital Diameter	C0551748
LN	11863-8	Trans Cerebellar Diameter	C0551980
LN	33069-6	Nuchal Translucency	C1315540
LN	33197-5	Anterior Horn Lateral ventricular width	C1315668
LN	33196-7	Posterior Horn Lateral ventricular width	C1315667
LN	12170-7	Width of Hemisphere	C0552283

CID 12008 OB-GYN Amniotic Sac

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.557**

Table CID 12008. OB-GYN Amniotic Sac

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	11624-4	First Quadrant Diameter		C0551743
LN	11626-9	Second Quadrant Diameter		C0551745
LN	11625-1	Third Quadrant Diameter		C0551744
LN	11623-6	Fourth Quadrant Diameter		C0551742
SCT	81827009	Diameter	M-02550	C1301886

CID 12009 Early Gestation Biometry Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.558**

Table CID 12009. Early Gestation Biometry Measurements

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11957-8	Crown Rump Length	C0552074
LN	11850-5	Gestational Sac Diameter	C0551967

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	33071-2	Spine Length	C1315542
LN	11816-6	Yolk Sac length	C0551933
LN	33069-6	Nuchal Translucency	C1315540

CID 12011 Ultrasound Pelvis and Uterus

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.559**

Table CID 12011. Ultrasound Pelvis and Uterus

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11961-0	Cervix Length	C0552078
LN	12145-9	Endometrium Thickness	C0552258

CID 12012 OB Equations and Tables

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.560**

Table CID 12012. OB Equations and Tables

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12013 “Gestational Age Equations and Tables”		
Include CID 12014 “OB Fetal Body Weight Equations and Tables”		
Include CID 12015 “Fetal Growth Equations and Tables”		
Include CID 12016 “Estimated Fetal Weight Percentile Equations and Tables”		

CID 12013 Gestational Age Equations and Tables

These terms define a functional relationship of the gestational age from a biometric measurement.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20061024**
UID: **1.2.840.10008.6.1.561**

Table CID 12013. Gestational Age Equations and Tables

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11885-1	Gestational Age by LMP	C0552002
LN	11884-4	Average Ultrasound Age	C0552001
LN	33072-0	AC, ASUM 2000	C1315543
LN	11889-3	AC, Campbell 1975	C0552006
LN	11892-7	AC, Hadlock 1984	C0552009
LN	33073-8	AC, Hansmann1985	C1315544

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	33537-2	AC, Jeanty 1982	C1316006
LN	11893-5	AC, Jeanty 1984	C0552010
LN	33074-6	AC, Lessoway 1998	C1315545
LN	33075-3	AC, Mertz 1988	C1315546
LN	33076-1	AC, Shinozuka 1996	C1315547
LN	33077-9	A-P Abdominal Diameter, Lessoway 1998	C1315548
LN	33078-7	AxT, Shinozuka 1996	C1315549
LN	33079-5	BPD, ASUM 1989	C1315550
LN	11900-8	BPD, Doubilet 1993	C0552017
LN	11902-4	BPD, Hadlock 1984	C0552019
LN	11903-2	BPD, Hansmann 1985	C0552020
LN	33538-0	BPD, Hansmann 1986	C1316007
LN	33539-8	BPD, Jeanty 1982	C1316008
LN	11905-7	BPD, Jeanty 1984	C0552022
LN	11906-5	BPD, Kurtz 1980	C0552023
LN	33080-3	BPD, Lessoway 1998	C1315551
LN	33081-1	BPD, Mertz 1988	C1315552
LN	33082-9	BPD, Osaka 1989	C1315553
LN	33083-7	BPD, Rempen 1991	C1315554
LN	11907-3	BPD, Sabbagha 1978	C0552024
LN	33084-5	BPD, Shinozuka 1996	C1315555
LN	33085-2	BPD, Tokyo 1986	C1315556
LN	11901-6	BPDa, Hadlock 1982	C0552018
LN	33086-0	BPD-oi, Chitty 1997	C1315557
LN	33087-8	BPD-oo, Chitty 1997	C1315558
LN	33088-6	Clavicle length, Yarkoni 1985	C1315559
LN	33089-4	CRL, ASUM 1991	C1315560
LN	33090-2	CRL, ASUM 2000	C1315561
LN	33091-0	CRL, Daya 1993	C1315562
LN	11910-7	CRL, Hadlock 1992	C0552027
LN	11911-5	CRL, Hansmann 1985	C0552028
LN	33540-6	CRL, Hansmann 1986	C1316009
LN	33092-8	CRL, Jeanty 1982	C1315563
LN	11917-2	CRL, Jeanty 1984	C0552034
LN	11913-1	CRL, Nelson 1981	C0552030
LN	33093-6	CRL, Osaka 1989	C1315564
LN	33094-4	CRL, Rempen 1991	C1315565
LN	11914-9	CRL, Robinson 1975	C0552031
LN	33095-1	CRL, Shinozuka 1996	C1315566
LN	33096-9	CRL, Tokyo 1986	C1315567
LN	33097-7	Fibula, Jeanty 1983	C1315568

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11918-0	Fibula, Merz 1987	C0552035
LN	33098-5	FL, Chitty 1997	C1315569
LN	11920-6	FL, Hadlock 1984	C0552037
LN	11921-4	FL, Hansmann 1985	C0552038
LN	33541-4	FL, Hansmann 1986	C1316010
LN	11922-2	FL, Hohler 1982	C0552039
LN	33099-3	FL, Jeanty 1982	C1315570
LN	11923-0	FL, Jeanty 1984	C0552040
LN	33100-9	FL, Lessoway 1998	C1315571
LN	11924-8	FL, Merz 1987	C0552042
LN	33542-2	FL, Merz 1988	C1316011
LN	33101-7	FL, Osaka 1989	C1315572
LN	33102-5	FL, Shinozuka 1996	C1315573
LN	33103-3	FL, Tokyo 1986	C1315574
LN	11926-3	Foot Length, Mercer 1987	C0552041
LN	33104-1	GS, Daya 1991	C1315575
LN	33105-8	GS, Hansmann 1979	C1315576
LN	33106-6	GS, Hansmann 1982	C1315577
LN	11928-9	GS, Hellman 1969	C0552045
LN	33107-4	GS, Nyberg 1992	C1315578
LN	11929-7	GS, Rempen 1991	C0552046
LN	33108-2	GS, Tokyo 1986	C1315579
LN	33109-0	HC, ASUM 2000	C1315580
LN	33110-8	HC measured, Chitty 1997	C1315581
LN	33111-6	HC derived, Chitty 1997	C1315582
LN	11932-1	HC, Hadlock 1984	C0552049
LN	33112-4	HC, Hansmann 1985	C1315583
LN	33543-0	HC, Hansmann 1986	C1316012
LN	33113-2	HC, Jeanty 1982	C1315584
LN	11934-7	HC, Jeanty 1984	C0552051
LN	33114-0	HC, Lessoway 1998	C1315585
LN	33115-7	HC Merz, 1988	C1315586
LN	33116-5	Humerus Length, ASUM 2000	C1315587
LN	11936-2	Humerus, Jeanty 1984	C0552053
LN	11937-0	Humerus, Merz 1987	C0552054
LN	33117-3	Humerus Length, Osaka 1989	C1315588
LN	33118-1	Length of Vertebra, Tokyo 1986	C1315589
LN	33119-9	OFD, ASUM 2000	C1315590
LN	33544-8	OFD, Hansmann 1985	C1316013
LN	33120-7	OFD, Hansmann 1986	C1315591
LN	33121-5	OFD, Lessoway 1998	C1315592

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	33122-3	IOD, Mayden 1982	C1315593
LN	33123-1	IOD, Trout 1994	C1315594
LN	33545-5	BD, Jeanty 1982	C1316014
LN	33124-9	OOD, Mayden, 1982	C1315595
LN	33125-6	OOD, Trout 1994	C1315596
LN	33126-4	Radius, Jeanty 1983	C1315597
LN	11939-6	Radius, Merz 1987	C0552056
LN	33127-2	Spine Length, Tokyo, 1989	C1315598
LN	11941-2	Tibia, Jeanty 1984	C0552058
LN	33128-0	TAD, Eriksen 1985	C1315599
LN	33129-8	TAD Hansmann, 1979	C1315600
LN	33130-6	TAD, Tokyo 1986	C1315601
LN	33131-4	ThC, Chitkara 1987	C1315602
LN	33132-2	TCD, Chitty 1994	C1315603
LN	33133-0	TCD, Goldstein 1987	C1315604
LN	33134-8	TCD, Hill 1990	C1315605
LN	33135-5	TCD, Nimrod 1986	C1315606
LN	33136-3	Transverse Thoracic Diameter, Hansmann 1985	C1315607
LN	33137-1	Transverse Thoracic Diameter, Lessoway 1998	C1315608
LN	33138-9	Fetal Trunk Cross-Sectional Area, Osaka 1989	C1315609
LN	11944-6	Ulna, Jeanty 1984	C0552061
LN	11945-3	Ulna, Merz 1987	C0552062

CID 12014 OB Fetal Body Weight Equations and Tables

These terms define a functional relationship to estimated fetal body mass from a biometric measurement.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.562**

Table CID 12014. OB Fetal Body Weight Equations and Tables

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11756-4	EFW by AC, Campbell 1975	C0551875
LN	11738-2	EFW by AC, BPD, Hadlock 1984	C0551857
LN	11734-1	EFW by AC, BPD, FL, Hadlock 1984	C0551853
LN	11735-8	EFW by AC, BPD, FL, Hadlock 1985	C0551854
LN	11732-5	EFW by AC, BPD, FL, HC, Hadlock 1985	C0551851
LN	11750-7	EFW by AC, FL, Hadlock 1984	C0551869
LN	11751-5	EFW by AC, FL, Hadlock 1985	C0551870

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11746-5	EFW by AC, FL, HC, Hadlock 1985	C0551865
LN	11754-9	EFW by AC, HC Hadlock 1984	C0551873
LN	33139-7	EFW by BPD, TTD, Hansmann 1986	C1315610
LN	11739-0	EFW by AC and BPD, Shepard 1982	C0551858
LN	33140-5	EFW by BPD, FTA, FL, Osaka 1990	C1315611
LN	33141-3	EFW1 by Shinozuka 1996	C1315612
LN	33142-1	EFW2 by Shinozuka 1996	C1315613
LN	33143-9	EFW3 by Shinozuka 1996	C1315614
LN	33144-7	EFW by BPD, APAD, TAD, FL, Tokyo 1987	C1315615

CID 12015 Fetal Growth Equations and Tables

These terms specify biometric growth parameter of a population distribution as a function of gestational age. The term may also specify the population's distribution, and so enable calculating a percentile rank or Z-score relative to the distribution.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.563**

Table CID 12015. Fetal Growth Equations and Tables

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	33145-4	AC by GA, ASUM 2000	C1315616
LN	33146-2	AC by GA, Hadlock 1984	C1315617
LN	33147-0	AC (measured) by GA, Chitty 1994	C1315618
LN	33546-3	AC (derived) by GA, Chitty 1994	C1316015
LN	33148-8	AC by GA, Merz 1988	C1315619
LN	33149-6	AC by GA, Shinozuka 1996	C1315620
LN	33150-4	AxT by GA, Shinozuka 1996	C1315621
LN	33151-2	BPD by GA, ASUM 2000	C1315622
LN	33198-3	BPD by GA, Hadlock 1984	C1315669
LN	33556-2	BPD outer-inner by GA, Chitty 1994	C1316025
LN	33152-0	BPD outer-outer by GA, Chitty 1994	C1315623
LN	33153-8	BPD by GA, Jeanty 1982	C1315624
LN	33154-6	BPD by GA, Merz 1988	C1315625
LN	33155-3	BPD by GA, Rempen 1991	C1315626
LN	33156-1	BPD by GA, Shinozuka 1996	C1315627
LN	33157-9	Cephalic Index by GA, Chitty 1994	C1315628
LN	33158-7	Cephalic Index by GA, Hadlock 1981	C1315629
LN	33159-5	CRL by GA ASUM 2000	C1315630
LN	33160-3	CRL by GA, Rempen1991	C1315631
LN	33161-1	CRL by GA, Shinozuka 1996	C1315632
LN	33162-9	EFW by GA, Hadlock 1991	C1315633

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	33163-7	EFW by GA, Hansmann 1986	C1315634
LN	33164-5	Fibula by GA, Jeanty 1983	C1315635
LN	33165-2	FL by GA, ASUM 2000	C1315636
LN	33166-0	FL by GA, Hadlock 1984	C1315637
LN	33167-8	FL by GA, Chitty 1994	C1315638
LN	33168-6	FL by GA, Jeanty 1982	C1315639
LN	33169-4	FL by GA, Merz 1988	C1315640
LN	33170-2	FL by GA, Shinozuka 1996	C1315641
LN	33171-0	GS by GA, Rempen 1991	C1315642
LN	33172-8	HC by GA, ASUM 2000	C1315643
LN	33173-6	HC by GA, Hadlock 1984	C1315644
LN	33174-4	HC derived by GA, Chitty 1994	C1315645
LN	33175-1	HC by GA, Jeanty 1982	C1315646
LN	33176-9	HC by GA, Merz 1988	C1315647
LN	33177-7	Humerus Length by GA, ASUM 2000	C1315648
LN	33178-5	OFD by GA, ASUM 2000	C1315649
LN	33179-3	OFD by GA, Chitty 1994	C1315650
LN	33180-1	Radius by GA, Jeanty 1983	C1315651
LN	33181-9	TCD by GA Goldstein 1987	C1315652
LN	33182-7	HC/AC by GA, Campbell 1977	C1315653

CID 12016 Estimated Fetal Weight Percentile Equations and Tables

These terms specify the population distribution for use in Z-score and percentile rank.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160525**
UID: **1.2.840.10008.6.1.564**

Table CID 12016. Estimated Fetal Weight Percentile Equations and Tables

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
DCM	128040	FWP by GA, Campbell, 1991	
DCM	128041	FWP by GA, Hadlock, 1991	
LN	33184-3	FWP by GA, Williams, 1982	C1315655
LN	33185-0	FWP by GA, Alexander, 1996	C1315656
LN	33186-8	Male Singleton BWP by GA, Arbuckle 1993	C1315657
LN	33187-6	Female Singleton BWP by GA, Arbuckle 1993	C1315658
LN	33199-1	Male Twins BWP by GA, Arbuckle 1993	C1315670
LN	33188-4	Female Twins BWP by GA, Arbuckle 1993	C1315659
LN	33189-2	FWP by GA, Brenner 1976	C1315660
LN	33190-0	FWP by GA, Hadlock 1985	C1315661

Note

LN:33183-5 was previously included in this context group with a Code Meaning of "FWP by GA, Hadlock 1991", but is described in LOINC as "Fetal body weight growth percentile estimated from gestational age by method of Campbell 1991 (US)". Devices receiving LN:33183-5 may need to consult the Code Meaning value to determine whether the sender meant Hadlock 1991 or Campbell 1991. New codes have been defined to replace LN:33183-5 to resolve the potential ambiguity.

CID 12017 Growth Distribution Rank

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.565**

Table CID 12017. Growth Distribution Rank

Coding Scheme Designator	Code Value	Code Meaning
DCM	125012	Growth Percentile Rank
DCM	125013	Growth Z-score

CID 12018 OB-GYN Summary

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.566**

Table CID 12018. OB-GYN Summary

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11878-6	Number of Fetuses by US	C0551995
LN	11886-9	Gestational Age by ovulation date	C0552003

CID 12019 OB-GYN Fetus Summary

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030130**
UID: **1.2.840.10008.6.1.567**

Table CID 12019. OB-GYN Fetus Summary

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	18185-9	Gestational Age	C1148461
LN	11888-5	Composite Ultrasound Age	C0552005
LN	11885-1	Gestational Age by LMP	C0552002
LN	11727-5	Estimated Weight	C0551846
LN	11767-1	EFW percentile rank	C0551886
LN	11948-7	Fetal Heart Rate	C0552065

CID 12020 Fetal Biometry Anatomic Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20141110**
UID: **1.2.840.10008.6.1.1005**

Table CID 12020. Fetal Biometry Anatomic Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	113345001	Abdomen	T-D4000	C0000726
SCT	113305005	Cerebellum	T-A6000	C0007765
SCT	54165005	Cisterna Magna	T-A1520	C0008841
SCT	71341001	Femur	T-12710	C0015811
SCT	56459004	Foot	T-D9700	C0016504
SCT	64033007	Kidney	T-71000	C0022646
SCT	89546000	Skull	T-11100	C0037303
SCT	51185008	Thorax	T-D3000	C0817096
SCT	22943007	Trunk	T-D2000	C0460005

CID 12021 Fetal Long Bone Anatomic Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.1006**

Table CID 12021. Fetal Long Bone Anatomic Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	51299004	Clavicle	T-12310	C0008913
SCT	71341001	Femur	T-12710	C0015811
SCT	87342007	Fibula	T-12750	C0016068
SCT	62413002	Radius	T-12420	C0034627
SCT	12611008	Tibia	T-12740	C0040184
SCT	23416004	Ulna	T-12430	C0041600

CID 12022 Fetal Cranium Anatomic Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.1007**

Table CID 12022. Fetal Cranium Anatomic Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	30399003	Anterior Horn Lateral Ventricle	T-A1700	C0152281
SCT	113305005	Cerebellum	T-A6000	C0007765
SCT	372073000	Cerebral hemisphere	T-A010F	C0228174
SCT	54165005	Cisterna magna	T-A1520	C0008841
SCT	66720007	Lateral Ventricle	T-A1650	C0152279

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	700032006	Occipital region of scalp	R-FB565	C3697080
SCT	363654007	Orbit	T-D14AE	C0029180
SCT	52943005	Posterior Horn Lateral Ventricle	T-A1710	C0152282

CID 12023 Pelvis and Uterus Anatomic Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20141110**
UID: **1.2.840.10008.6.1.1008**

Table CID 12023. Pelvis and Uterus Anatomic Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	71252005	Cervix	T-83200	C0007874
SCT	2739003	Endometrium	T-83400	C0014180
SCT	35039007	Uterus	T-83000	C0042149

CID 12030 Ultrasound Contrast/Bolus Agents

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160605**
UID: **1.2.840.10008.6.1.805**

Table CID 12030. Ultrasound Contrast/Bolus Agents

Coding Scheme Designator	Code Value	Code Meaning
DCM	125901	CARDIOsphere
NDC	11994-011-04	Definity
DCM	125902	Echovist
DCM	125903	Imagify
DCM	125904	Levovist
NDC	0407-2707-03	Optison
DCM	125905	Sonazoid
DCM	125906	SonoVue
DCM	125907	Targestar-B
DCM	125908	Targestar-P

Note

1. See Controlled Terminology descriptions in Annex D for manufacturer references.
2. The generic formulation is not used for Code Meaning (0008,0104) because for ultrasonic contrast agents the physical properties of the agent are more significant than chemical formula in determining its acoustic properties.

CID 12031 Protocol Interval Events

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20090409**
UID: **1.2.840.10008.6.1.806**

Table CID 12031. Protocol Interval Events

Coding Scheme Designator	Code Value	Code Meaning
DCM	125233	Start of drug dose administration
DCM	125234	Start of contrast agent administration
DCM	125235	Destruction of microbubbles
DCM	125236	Onset of exercise
DCM	125237	Cessation of exercise
DCM	125238	Onset of stimulation
DCM	125239	Cessation of stimulation

CID 12032 Transducer Scan Pattern

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090409**
UID: **1.2.840.10008.6.1.807**

Table CID 12032. Transducer Scan Pattern

Coding Scheme Designator	Code Value	Code Meaning
DCM	125240	Line scan pattern
DCM	125241	Plane scan pattern
DCM	125242	Volume scan pattern

CID 12033 Ultrasound Transducer Geometry

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090409**
UID: **1.2.840.10008.6.1.808**

Table CID 12033. Ultrasound Transducer Geometry

Coding Scheme Designator	Code Value	Code Meaning
DCM	125251	Non-imaging Doppler ultrasound transducer geometry
DCM	125252	Linear ultrasound transducer geometry
DCM	125253	Curved linear ultrasound transducer geometry
DCM	125254	Sector ultrasound transducer geometry
DCM	125255	Radial ultrasound transducer geometry
DCM	125256	Ring ultrasound transducer geometry

CID 12034 Ultrasound Transducer Beam Steering

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090409**
UID: **1.2.840.10008.6.1.809**

Table CID 12034. Ultrasound Transducer Beam Steering

Coding Scheme Designator	Code Value	Code Meaning
DCM	125257	Fixed beam direction
DCM	125258	Mechanical beam steering
DCM	125259	Phased beam steering

CID 12035 Ultrasound Transducer Application

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20090409**
UID: **1.2.840.10008.6.1.810**

Table CID 12035. Ultrasound Transducer Application

Coding Scheme Designator	Code Value	Code Meaning
DCM	125261	External Transducer
DCM	125262	Transesophageal Transducer
DCM	125263	Endovaginal Transducer
DCM	125264	Endorectal Transducer
DCM	125265	Intravascular Transducer

CID 12101 Vascular Summary

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.568**

Table CID 12101. Vascular Summary

Coding Scheme Designator	Code Value	Code Meaning
DCM	121106	Comment

CID 12102 Temporal Periods Relating to Procedure or Therapy

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.569**

Table CID 12102. Temporal Periods Relating to Procedure or Therapy

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	303110006	After Procedure	R-422A4	C0580203
SCT	307154001	During Procedure	R-40FBA	C0585033
SCT	307153007	Before Procedure	R-40FB9	C0585032

CID 12103 Vascular Ultrasound Anatomic Location

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**

UID: **1.2.840.10008.6.1.570**

Table CID 12103. Vascular Ultrasound Anatomic Location

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12104 “Extracranial Arteries”		
Include CID 12105 “Intracranial Cerebral Vessels”		
Include CID 12106 “Intracranial Cerebral Vessels (Unilateral)”		
Include CID 12107 “Upper Extremity Arteries”		
Include CID 12108 “Upper Extremity Veins”		
Include CID 12109 “Lower Extremity Arteries”		
Include CID 12110 “Lower Extremity Veins”		
Include CID 12111 “Abdominal Arteries (Lateral)”		
Include CID 12112 “Abdominal Arteries (Unilateral)”		
Include CID 12113 “Abdominal Veins (Lateral)”		
Include CID 12114 “Abdominal Veins (Unilateral)”		
Include CID 12115 “Renal Vessels”		

CID 12104 Extracranial Arteries

This context group specifies the anatomic location for vascular observations

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.571**

Table CID 12104. Extracranial Arteries

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	80272002	Carotid Bifurcation	T-45160	C0226088
SCT	21479005	Carotid Bulb	T-45170	C0007281
SCT	32062004	Common Carotid Artery	T-45100	C0162859
SCT	22286001	External Carotid Artery	T-45200	C0007275
SCT	86117002	Internal Carotid Artery	T-45300	C0007276
SCT	36765005	Subclavian Artery	T-46100	C0038530
SCT	85234005	Vertebral Artery	T-45700	C0042559

CID 12105 Intracranial Cerebral Vessels

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.572**

Table CID 12105. Intracranial Cerebral Vessels

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	60176003	Anterior Cerebral Artery	T-45540	C0149561

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	8012006	Anterior Communicating Artery	T-45530	C0149562
SCT	397418009	Anterior-Middle Cerebral Artery Bifurcation	G-0368	C1301412
SCT	397419001	Anterior-Posterior Cerebral Artery Bifurcation	G-0369	C1301413
SCT	54409005	Carotid Siphon	T-45308	C0226162
SCT	76117006	Central Retinal Artery	T-45430	C0035301
SCT	62869001	Central Retinal Vein	T-48286	C0035327
SCT	86117002	Internal Carotid Artery	T-45300	C0007276
SCT	415637004	Internal Carotid Artery C5 segment	R-102BB	C1532941
SCT	698348000	Internal Carotid Artery C6 segment	R-FAED1	C3697273
SCT	415646005	Terminal internal carotid artery	R-102BD	C1533000
SCT	17232002	Middle Cerebral Artery	T-45600	C0149566
SCT	414722000	Middle Cerebral Artery M1 Segment	R-1024F	C0923620
SCT	414723005	Middle Cerebral Artery M2 Segment	R-10251	C0923622
SCT	53549008	Ophthalmic Artery	T-45400	C0029078
SCT	70382005	Posterior Cerebral Artery	T-45900	C0149576
SCT	415144009	Posterior Cerebral Artery P1 Segment	R-10253	C0923795
SCT	415145005	Posterior Cerebral Artery P2 Segment	R-10255	C0923796
SCT	43119007	Posterior Communicating Artery	T-45320	C0149559

CID 12106 Intracranial Cerebral Vessels (Unilateral)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.573**

Table CID 12106. Intracranial Cerebral Vessels (Unilateral)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	59011009	Basilar Artery	T-45800	C0004811

CID 12107 Upper Extremity Arteries

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.574**

Table CID 12107. Upper Extremity Arteries

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	67937003	Axillary Artery	T-47100	C0004455
SCT	17137000	Brachial Artery	T-47160	C0006087

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	10119003	Deep Palmar Arch of Radial Artery	T-47340	C0226441
SCT	12691009	Innominate Artery	T-46010	C0006094
SCT	45631007	Radial Artery	T-47300	C0162857
SCT	36765005	Subclavian Artery	T-46100	C0038530
SCT	26818002	Superficial Palmar Arch	T-47240	C0226433
SCT	44984001	Ulnar Artery	T-47200	C0162858
SCT	40254007	Digital artery of hand	T-47260	C0226435

CID 12108 Upper Extremity Veins

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.575**

Table CID 12108. Upper Extremity Veins

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	68705008	Axillary vein	T-49110	C0004456
SCT	19715009	Basilic vein	T-49230	C0226801
SCT	20115005	Brachial vein	T-49350	C0226812
SCT	20699002	Cephalic vein	T-49240	C0226802
SCT	8887007	Innominate vein	T-48620	C0006095
SCT	12123001	Internal Jugular vein	T-48170	C0226550
SCT	49852007	Median Cubital vein	T-49250	C0226805
SCT	52359001	Radial vein	T-49340	C0226811
SCT	9454009	Subclavian vein	T-48330	C0038532
SCT	17623008	Ulnar vein	T-49330	C0226810
SCT	48345005	Superior Vena Cava	T-48610	C0042459
SCT	368481004	Deep Palmar Venous Arch	T-49218	C0226798
SCT	368479001	Superficial Palmar Venous Arch	T-49217	C0226796

CID 12109 Lower Extremity Arteries

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180605**
UID: **1.2.840.10008.6.1.576**

Table CID 12109. Lower Extremity Arteries

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	73634005	Common Iliac Artery	T-46710	C1261084
SCT	413896006	Common Iliac Artery Bifurcation	R-10258	C1531837
SCT	68053000	Anterior Tibial Artery	T-47700	C0085816

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	181347005	Common Femoral Artery	T-47402	C0447105
SCT	86547008	Dorsalis Pedis Artery	T-47740	C0226492
SCT	113269004	External Iliac Artery	T-46910	C0226398
SCT	90024005	Internal Iliac Artery	T-46740	C0226364
SCT	8821006	Peroneal Artery	T-47630	C0226476
SCT	83018002	Plantar Arterial Arch	T-47690	C0226482
SCT	43899006	Popliteal Artery	T-47500	C0032649
SCT	13363002	Posterior Tibial Artery	T-47600	C0086835
SCT	31677005	Profunda Femoris Artery	T-47440	C0226455
SCT	181349008	Superficial Femoral Artery	T-47403	C0447106

CID 12110 Lower Extremity Veins

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20180605**
UID: **1.2.840.10008.6.1.577**

Table CID 12110. Lower Extremity Veins

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	26703007	Anterior Tibial Vein	T-49630	C0226833
SCT	714754004	Lateral calf perforator	T-F6724	C4075130
SCT	397363009	Common Femoral Vein	G-035B	C1275667
SCT	46027005	Common Iliac Vein	T-48920	C0226758
SCT	63507001	External Iliac Vein	T-48930	C0226761
SCT	264481007	Gastrocnemius vein	T-4942D	C0450291
SCT	397437000	Giacomini vein	G-036F	C1301429
SCT	60734001	Great Saphenous Vein	T-49530	C0392907
SCT	414369008	Great Saphenous Vein of Thigh	R-10259	C1531999
SCT	414368000	Great Saphenous Vein of Calf	R-1025A	C1531998
SCT	26805005	Lesser Saphenous Vein	T-49550	C0226827
SCT	71758008	Peroneal Vein	T-49640	C0226836
SCT	56849005	Popliteal Vein	T-49650	C0032652
SCT	397435008	Posterior arch vein	G-036E	C1301427
SCT	4258007	Posterior Tibial Vein	T-49620	C0226832
SCT	23438002	Profunda Femoris Vein	T-49660	C0226841
SCT	128587003	Saphenofemoral Junction	T-D930A	C0447132
SCT	362072009	Saphenous vein	T-4940B	C0036186
SCT	397427005	Soleal vein	G-036B	C1301420
SCT	397364003	Superficial Femoral Vein	G-035A	C1301369
SCT	714759009	Thigh perforator	T-F6713	C4075125
SCT	40300007	Internal iliac vein	T-48940	C0226764

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	244415001	Saphenopopliteal junction	T-4941A	C0447131
SCT	128560002	Hunterian perforating vein	T-4942A	C1267526
SCT	128549006	Cockett's perforating vein	T-49426	C1267523
SCT	128548003	Boyd's perforating vein	T-49424	C1267522

CID 12111 Abdominal Arteries (Lateral)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.578**

Table CID 12111. Abdominal Arteries (Lateral)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	85383006	Accessory Renal Artery	T-46640	C0226335
SCT	23771002	Gastric Artery	T-46410	C0226299
SCT	12052000	Ovarian Artery	T-46980	C0226411
SCT	27175001	Testicular Artery	T-46970	C0226409
SCT	50536004	Umbilical Artery	T-F1810	C0041632
SCT	91079009	Uterine Artery	T-46820	C0226378

CID 12112 Abdominal Arteries (Unilateral)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.579**

Table CID 12112. Abdominal Arteries (Unilateral)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	15825003	Aorta	T-42000	C0003483
SCT	28205006	Infra-renal Aorta	T-42520	C0226025
SCT	1918003	Supra-renal Aorta	T-42510	C0226024
SCT	57850000	Celiac Axis	T-46400	C0007569
SCT	66559000	Common Hepatic Artery	T-46421	C0226300
SCT	73634005	Common Iliac Artery	T-46710	C1261084
SCT	37274004	Gastroduodenal Artery	T-46440	C0226311
SCT	33795007	Inferior Mesenteric Artery	T-46520	C0162860
SCT	34635009	Lumbar Artery	T-46960	C0226408
SCT	18112008	Proper Hepatic Artery	T-46422	C0226301
SCT	69421009	Right Branch of Hepatic Artery	T-46423	C0226302
SCT	21807003	Left Branch of Hepatic Artery	T-46427	C0226306
SCT	22083002	Splenic Artery	T-46460	C0037996
SCT	42258001	Superior Mesenteric Artery	T-46510	C0162861

CID 12113 Abdominal Veins (Lateral)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.580**

Table CID 12113. Abdominal Veins (Lateral)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	46027005	Common iliac vein	T-48920	C0226758
SCT	110568007	Gastric vein	T-48820	C0750610
SCT	397439002	Ileal vein	G-0370	C1301431
SCT	976004	Ovarian vein	T-48780	C0226720
SCT	31688004	Testicular Vein	T-48770	C0226718
SCT	397407009	First Lumbar Artery	G-035E	C1301402
SCT	397408004	Second Lumbar Artery	G-035F	C1301403
SCT	397409007	Third Lumbar Artery	G-0360	C1301404
SCT	397410002	Fourth Lumbar Artery	G-0361	C1301405
SCT	397411003	Fifth Lumbar Artery	G-0362	C1301406
SCT	397412005	Sixth Lumbar Artery	G-0363	C1301407

CID 12114 Abdominal Veins (Unilateral)

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.581**

Table CID 12114. Abdominal Veins (Unilateral)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	8993003	Hepatic Vein	T-48720	C0019155
SCT	397425002	Inferior Right Hepatic Vein	G-036D	C1301418
SCT	273202007	Left Hepatic Vein	T-48727	C0226708
SCT	273099000	Middle Hepatic Vein	T-48726	C0226707
SCT	272998002	Right Hepatic Vein	T-48725	C0226706
SCT	32764006	Portal Vein	T-48810	C0032718
SCT	70253006	Left Main Branch of Portal Vein	T-48814	C0933785
SCT	73931004	Right Main Branch of Portal Vein	T-48813	C0226730
SCT	32859001	Inferior Mesenteric Vein	T-48910	C0226754
SCT	64131007	Inferior Vena Cava	T-48710	C0042458
SCT	35819009	Splenic Vein	T-48890	C0038001
SCT	90771006	Superior Mesenteric Vein	T-48840	C0226742
SCT	397423009	Transjugular Intrahepatic Portosystemic Shunt	G-036C	C1301416
SCT	284639000	Umbilical Vein	T-48832	C0226734

CID 12115 Renal Vessels

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.582**

Table CID 12115. Renal Vessels

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	2841007	Renal Artery	T-46600	C0035065
SCT	397405001	Hilar Artery	G-035C	C1275669
SCT	120234003	Segmental Artery	T-46659	C1267338
SCT	274060004	Lobar Artery	T-4667C	C0226346
SCT	274231001	Arcuate Artery of the Kidney	T-4668A	C0226348
SCT	274143007	Interlobar Artery of Kidney	T-4667D	C0226347
SCT	85383006	Accessory Renal Artery	T-46640	C0226335
SCT	15763003	Perforating Artery of Kidney	T-46668	C0226344
SCT	56400007	Renal Vein	T-48740	C0035092

CID 12116 Vessel Segment Modifiers

This context group is the set of modifiers that specify the position along a vessel segment.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **~~20050110~~20190524**
UID: **1.2.840.10008.6.1.583**

Table CID 12116. Vessel Segment Modifiers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	46053002	Distal	G-A119	C0205108
~~SCT~~NCIt	~~103342007~~C25569	~~Mid-longitudinal~~Middle	~~G-A188~~	~~C0522490~~C0444598
SCT	397421006	Origin of vessel	G-036A	C1301415
SCT	40415009	Proximal	G-A118	C0205107
SCT	413996005	Dilated portion of segment	R-1025B	C1531687

CID 12117 Vessel Branch Modifiers

This context group is the set of modifiers to specify a particular vessel segment or branch.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **~~20160314~~20190524**
UID: **1.2.840.10008.6.1.584**

Table CID 12117. Vessel Branch Modifiers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	397406000	Collateral branch of vessel	G-035D	C1275670
SCT	261089000	Inferior	R-4094A	C0542339
SCT	49370004	Lateral	G-A104	C0205093
SCT	7771000	Left	G-A101	C0205091
SCT	63161005	Main	G-A332	C0205225
SCT	255561001	Medial	R-404D5	C0205098
NCIt	C25569	Middle		C0444598
SCT	24028007	Right	G-A100	C0205090
SCT	264217000	Superior	R-42191	C1282910

CID 12118 Measurement Orientation

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110125**
UID: **1.2.840.10008.6.1.926**

Table CID 12118. Measurement Orientation

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122675	Anterior-Posterior		
SCT	62824007	Transverse	G-A117	C0205106
SCT	38717003	Longitudinal	G-A143	C0205127

CID 12119 Vascular Ultrasound Property

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.585**

Table CID 12119. Vascular Ultrasound Property

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12120 “Blood Velocity Measurements by Ultrasound”		
Include CID 12121 “Vascular Indices and Ratios”		
Include CID 12122 “Other Vascular Properties”		

CID 12120 Blood Velocity Measurements by Ultrasound

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.586**

Table CID 12120. Blood Velocity Measurements by Ultrasound

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	11653-3	End Diastolic Velocity	C0551772
LN	11665-7	Minimum Diastolic Velocity	C0551784
LN	11726-7	Peak Systolic Velocity	C0551845
LN	20352-1	Time averaged mean velocity	C0803167
LN	11692-1	Time averaged peak velocity	C0551811

CID 12121 Vascular Indices and Ratios

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.587**

Table CID 12121. Vascular Indices and Ratios

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	20167-3	Acceleration Index		C0802982
SCT	408714007	Lumen Area Stenosis	R-101BA	C1443264
SCT	408715008	Lumen Diameter Stenosis	R-101BB	C1443265
LN	12008-9	Pulsatility Index		C0552113
LN	12023-8	Resistivity Index		C0552128
LN	12144-2	Systolic to Diastolic Velocity Ratio		C0552246
LN	33867-3	Velocity ratio		C1316330

Note

This Context Group formerly included SNOMED codes G-0371 and G-0372, which have been replaced by R-101BA and R-101BB, respectively. See Annex J.

CID 12122 Other Vascular Properties

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050110**
UID: **1.2.840.10008.6.1.588**

Table CID 12122. Other Vascular Properties

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	20168-1	Acceleration Time		C0802983
LN	20217-6	Deceleration Time		C0803032
SCT	397413000	Vessel lumen diameter	G-0364	C1301408
SCT	415815009	Vessel Intimal Diameter	R-1025C	C1532860
SCT	415814008	Vessel Intimal Cross-Sectional Area	R-1025D	C1532859
SCT	397414006	Vessel outside diameter	G-0365	C1301409
SCT	397415007	Vessel lumen cross-sectional area	G-0366	C1301410

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	33878-0	Volume flow		C1316341
SCT	413975003	Vessel depth from surface	R-1025E	C1531671
LN	20247-3	Peak Gradient		C0803062
LN	20256-4	Mean Gradient		C0803071
SCT	414599003	Length of Segment	R-1025F	C1532132

CID 12123 Carotid Ratios

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.589**

Table CID 12123. Carotid Ratios

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	33868-1	ICA/CCA velocity ratio	C1316331

CID 12124 Renal Ratios

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030327**
UID: **1.2.840.10008.6.1.590**

Table CID 12124. Renal Ratios

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	33869-9	Renal Artery/Aorta velocity ratio	C1316332

CID 12140 Pelvic Vasculature Anatomical Location

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040322**
UID: **1.2.840.10008.6.1.591**

Table CID 12140. Pelvic Vasculature Anatomical Location

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	50536004	Umbilical Artery	T-F1810	C0041632
SCT	13576009	Umbilical Vein	T-F1820	C0041637
SCT	12052000	Ovarian Artery	T-46980	C0226411
SCT	976004	Ovarian Vein	T-48780	C0226720
SCT	91079009	Uterine Artery	T-46820	C0226378
SCT	60028002	Uterine Vein	T-49010	C0226787
SCT	256779006	Vitelline Artery of Placenta	T-F1412	C0230979
SCT	256875007	Vitelline Vein of Placenta	T-F1413	C0230980
SCT	73634005	Common Iliac Artery	T-46710	C1261084

CID 12141 Fetal Vasculature Anatomical Location

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040322**
UID: **1.2.840.10008.6.1.592**

Table CID 12141. Fetal Vasculature Anatomical Location

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	15825003	Aorta	T-42000	C0003483
SCT	281130003	Descending Aorta	T-D0765	C0011666
SCT	17232002	Middle Cerebral Artery	T-45600	C0149566
SCT	122972007	Pulmonary Vein	T-48581	C0034090
SCT	81040000	Pulmonary Artery	T-44000	C0034052

CID 12200 Echocardiography Left Ventricle

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.593**

Table CID 12200. Echocardiography Left Ventricle

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12220 “Echocardiography Common Measurements”		
Include CID 12201 “Left Ventricle Linear”		
Include CID 12240 “Left Ventricle Area”		
Include CID 12202 “Left Ventricle Volume”		
Include CID 12222 “Orifice Flow Properties”		
Include CID 12203 “Left Ventricle Other”		
Include CID 12239 “Cardiac Output Properties”		

CID 12201 Left Ventricle Linear

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.594**

Table CID 12201. Left Ventricle Linear

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	29436-3	Left Ventricle Internal End Diastolic Dimension		C0944887
LN	29438-9	Left Ventricle Internal Systolic Dimension		C0944889
LN	18051-3	Left Ventricular Fractional Shortening		C0801100
LN	18154-5	Interventricular Septum Diastolic Thickness		C0801203
LN	18155-2	Interventricular Septum to Posterior Wall Thickness Ratio		C0801204

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	18054-7	Interventricular Septum % Thickening		C0801103
LN	18158-6	Interventricular Septum Systolic Thickness		C0801207
LN	18053-9	Left Ventricle Posterior Wall % Thickening		C0801102
LN	18077-8	Left Ventricle diastolic major axis		C0801126
LN	18076-0	Left Ventricle systolic major axis		C0801125
LN	18156-0	Left Ventricle Posterior Wall Systolic Thickness		C0801205
LN	18152-9	Left Ventricle Posterior Wall Diastolic Thickness		C0801201
SCT	399063007	Left Ventricle Semi-major Axis Diastolic Dimension	G-0377	C1302188
SCT	399309003	Left Ventricle Truncated Semi-major Axis Diastolic Dimension	G-0378	C1302315

CID 12202 Left Ventricle Volume

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.595**

Table CID 12202. Left Ventricle Volume

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	18026-5	Left Ventricular End Diastolic Volume	C0801075
LN	18148-7	Left Ventricular End Systolic Volume	C0801197
LN	18043-0	Left Ventricular Ejection Fraction by US	C0801092

CID 12203 Left Ventricle Other

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.596**

Table CID 12203. Left Ventricle Other

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	18087-7	Left Ventricle Mass		C0801136
LN	18071-1	Left Ventricular Isovolumic Relaxation Time		C0801120
SCT	399051002	Left Ventricular Isovolumic Contraction Time	G-037E	C1302184
SCT	399133000	Left Ventricular Peak Early Diastolic Tissue Velocity	G-037A	C1302218
SCT	399140004	Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave	G-037B	C1275825
SCT	399007006	LV Peak Diastolic Tissue Velocity During Atrial Systole	G-037C	C1275803
SCT	399167005	Left Ventricular Peak Systolic Tissue Velocity	G-037D	C1302235

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399266005	Left Ventricular Index of Myocardial Performance	G-037F	C1302287

CID 12204 Echocardiography Right Ventricle

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20080623**
UID: **1.2.840.10008.6.1.597**

Table CID 12204. Echocardiography Right Ventricle

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
Include CID 12222 “Orifice Flow Properties”				
SCT	429483009	RV Stroke Volume	F-04FD8	C1998360
SCT	428628004	RV Cardiac Output	F-04FA5	C1998060
SCT	427990004	RV Cardiac Index	F-04F84	C1998235
SCT	429619008	RV Stroke Index	F-04FE5	C1997465
LN	20304-2	Right Ventricular Internal Diastolic Dimension		C0803119
LN	20305-9	Right Ventricular Internal Systolic Dimension		C0803120
SCT	399154007	Right Ventricular Index of Myocardial Performance	G-0381	C1302228
SCT	399023006	Right Ventricular Peak Systolic Pressure	G-0380	C1302173
LN	18153-7	Right Ventricular Anterior Wall Diastolic Thickness		C0801202
LN	18157-8	Right Ventricular Anterior Wall Systolic Thickness		C0801206

CID 12205 Echocardiography Left Atrium

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.598**

Table CID 12205. Echocardiography Left Atrium

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
LN	29469-4	Left Atrium Antero-posterior Systolic Dimension		C0944917
LN	17985-3	Left Atrium to Aortic Root Ratio		C0801035
LN	29486-8	Left Atrial Appendage Peak Velocity		C0945756
LN	17977-0	Left Atrium Area A4C view		C0801027
SCT	399235004	Left Atrium Systolic Volume	G-0383	C1302269

CID 12206 Echocardiography Right Atrium

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.599**

Table CID 12206. Echocardiography Right Atrium

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”			
LN	18070-3	Right Atrium Systolic Pressure	C0801119
LN	17988-7	Right Atrium Area A4C view	C0801038

CID 12207 Echocardiography Mitral Valve

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.600**

Table CID 12207. Echocardiography Mitral Valve

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
Include CID 12222 “Orifice Flow Properties”				
Include CID 12239 “Cardiac Output Properties”				
LN	17978-8	Mitral Valve A-Wave Peak Velocity		C0801028
LN	18037-2	Mitral Valve E-Wave Peak Velocity		C0801086
LN	18038-0	Mitral Valve E to A Ratio		C0801087
SCT	399062002	Mitral Valve AT/DT Ratio	G-0386	C1275813
SCT	399354002	Mitral Valve E-Wave Deceleration Time	G-0384	C1302337
LN	18040-6	Mitral Valve E-F Slope by M-Mode		C0801089
LN	18036-4	Mitral Valve EPSS, E wave		C0801085
SCT	399229004	Mitral Valve A-Wave Duration	G-0385	C1302265
LN	18057-0	Mitral Valve Diastolic Peak Instantaneous Gradient		C0801106
SCT	399104001	Mitral Valve Closure to Opening Time	G-0387	C1302204
LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity		C0801084

Note

This Context Group includes measurements of the left ventricle only. For right ventricle measurements, see CID 12204 “Echocardiography Right Ventricle”.

CID 12208 Echocardiography Tricuspid Valve

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.601**

Table CID 12208. Echocardiography Tricuspid Valve

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
Include CID 12222 “Orifice Flow Properties”				
LN	18031-5	Tricuspid Valve E Wave Peak Velocity		C0801080
LN	18030-7	Tricuspid Valve A Wave Peak Velocity		C0801079
LN	18039-8	Tricuspid Valve E to A Ratio		C0801088
LN	20296-0	Time from Q wave to Tricuspid Valve Opens		C0803111
SCT	399282006	Tricuspid Valve Closure to Opening Time	G-0389	C1302297
LN	18034-9	Tricuspid Regurgitation dP/dt		C0801083

CID 12209 Echocardiography Pulmonic Valve

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.602**

Table CID 12209. Echocardiography Pulmonic Valve

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
Include CID 12222 “Orifice Flow Properties”				
LN	18096-8	Pulmonic Valve Area by continuity		C0801145
LN	18042-2	Pulmonic Valve Ejection Time		C0801091
SCT	399238002	Ratio of Pulmonic Valve Acceleration Time to Ejection Time	G-0388	C1275839
LN	20295-2	Time from Q wave to Pulmonic Valve Closes		C0803110

CID 12210 Echocardiography Pulmonary Artery

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.603**

Table CID 12210. Echocardiography Pulmonary Artery

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
LN	18020-8	Main Pulmonary Artery Diameter		C0801070
LN	18021-6	Right Pulmonary Artery Diameter		C0801071
LN	18019-0	Left Pulmonary Artery Diameter		C0801069
SCT	399048009	Main Pulmonary Artery Peak Velocity	G-038A	C1302183

CID 12211 Echocardiography Aortic Valve

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.604**

Table CID 12211. Echocardiography Aortic Valve

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
Include CID 12222 “Orifice Flow Properties”				
LN	17996-0	Aortic Valve Cusp Separation		C0801046
LN	18041-4	Aortic Valve Ejection Time		C0801090
SCT	399058008	Ratio of Aortic Valve Acceleration Time to Ejection Time	G-0382	C1275811

CID 12212 Echocardiography Aorta

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.605**

Table CID 12212. Echocardiography Aorta

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”			
LN	18015-8	Aortic Root Diameter	C0801065
LN	18011-7	Aortic Arch Diameter	C0801061
LN	18012-5	Ascending Aortic Diameter	C0801062
LN	18014-1	Aortic Isthmus Diameter	C0801064
LN	18013-3	Descending Aortic Diameter	C0801063
LN	17995-2	Thoracic Aorta Coarctation Systolic Peak Instantaneous Gradient	C0801045
LN	29460-3	Thoracic Aorta Coarctation Systolic Peak Velocity	C0944908

CID 12214 Echocardiography Pulmonary Veins

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.606**

Table CID 12214. Echocardiography Pulmonary Veins

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
LN	29450-4	Pulmonary Vein Systolic Peak Velocity		C0945752

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	29451-2	Pulmonary Vein Diastolic Peak Velocity		C0944900
LN	29452-0	Pulmonary Vein Systolic to Diastolic Ratio		C0944901
LN	29453-8	Pulmonary Vein Atrial Contraction Reversal Peak Velocity		C0944902
SCT	399070007	Pulmonary Vein A-Wave Duration	G-038B	C1302191
SCT	399039004	Pulmonary Vein D-Wave Velocity Time Integral	G-038D	C1302180
SCT	399267001	Pulmonary Vein S-Wave Velocity Time Integral	G-038C	C1302288

CID 12215 Echocardiography Vena Cavae

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.607**

Table CID 12215. Echocardiography Vena Cavae

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”			
LN	18006-7	Inferior Vena Cava Diameter	C0801056
LN	18050-5	Inferior Vena Cava % Collapse	C0801099

CID 12216 Echocardiography Hepatic Veins

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.608**

Table CID 12216. Echocardiography Hepatic Veins

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”			
LN	29471-0	Hepatic Vein Systolic Peak Velocity	C0944919
LN	29472-8	Hepatic Vein Diastolic Peak Velocity	C0944920
LN	29473-6	Hepatic Vein Systolic to Diastolic Ratio	C0944921
LN	29474-4	Hepatic Vein Atrial Contraction Reversal Peak Velocity	C0944922

CID 12217 Echocardiography Cardiac Shunt

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.609**

Table CID 12217. Echocardiography Cardiac Shunt

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”			
LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio	C0944910

CID 12218 Echocardiography Congenital

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.610**

Table CID 12218. Echocardiography Congenital

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12220 “Echocardiography Common Measurements”		
Include CID 12222 “Orifice Flow Properties”		
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”		

CID 12219 Pulmonary Vein Modifiers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.611**

Table CID 12219. Pulmonary Vein Modifiers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	255499006	Right Upper Segment	R-404A0	C0442064
SCT	255496004	Right Lower Segment	R-4049E	C0442067
SCT	255482005	Left Upper Segment	R-40491	C0442065
SCT	264068005	Left Lower Segment	R-4214B	C0442068

CID 12220 Echocardiography Common Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.612**

Table CID 12220. Echocardiography Common Measurements

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	8867-4	Heart rate	C0488794

CID 12221 Flow Direction

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.613**

Table CID 12221. Flow Direction

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	263677008	Antegrade Flow	R-42047	C0589502
SCT	312004007	Retrograde Flow	R-42E61	C0439784
SCT	397417004	Regurgitant Flow	G-0367	C1301411
SCT	66130006	Left to right cardiovascular shunt	F-32330	C0428870
SCT	79692001	Right to left cardiovascular shunt	F-32340	C0428871

Note

In a prior version of this Context Group, the code R-42E61 was specified for Regurgitant Flow. This has been corrected to be Retrograde Flow. Some applications might continue to send codeR-42E61 instead ofG-0367 for Regurgitant Flow.

CID 12222 Orifice Flow Properties

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.614**

Table CID 12222. Orifice Flow Properties

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	33878-0	Volume Flow		C1316341
LN	34141-2	Peak Instantaneous Flow Rate		C1316604
SCT	399367004	Cardiovascular Orifice Area	G-038E	C1302344
SCT	399027007	Cardiovascular Orifice Diameter	G-038F	C1302176
SCT	399301000	Regurgitant Fraction	G-0390	C1302309
LN	11653-3	End Diastolic Velocity		C0551772
LN	11726-7	Peak Systolic Velocity		C0551845
LN	20352-1	Time Averaged Mean Velocity		C0803167
LN	11692-1	Time Averaged Peak Velocity		C0551811
LN	20247-3	Peak Gradient		C0803062
LN	20256-4	Mean Gradient		C0803071
LN	20354-7	Velocity Time Integral		C0803169
LN	20280-4	Pressure Half-Time		C0803095
LN	20168-1	Acceleration Time		C0802983
LN	20217-6	Deceleration Time		C0803032
LN	20216-8	Deceleration Slope		C0803031
LN	12144-2	Systolic to Diastolic Velocity Ratio		C0552246
LN	59102-4	Flow Radius		C2923437
LN	59130-5	Alias velocity		C2923486
LN	20167-3	Acceleration Slope		C0802982
LN	59127-1	D-E Slope		C2923482
LN	59128-9	E-F Slope		C2923484
LN	59103-2	A-C Interval		C2923439

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	59104-0	Peak E wave/Peak A wave by US		C2923440
LN	59106-5	Stenosis Peak Gradient		C2923443
LN	59107-3	Stenosis Peak Velocity		C2923444
LN	59079-4	Peak Reversal Velocity during Atrial Contraction		C2923402
LN	59080-2	E-Wave Peak Velocity		C2923404
LN	59081-0	A-Wave Peak Velocity		C2923405
LN	59111-5	E Velocity to Annulus E Velocity Ratio		C2923452
LN	59115-6	Velocity of Flow Propagation		C2923460

Note

1. In a prior version of this Context Group, the code 11726-7 was specified for Peak Velocity. This has been corrected to be Peak Systolic Velocity. Some applications might continue to send code 11726-7 instead of 20351-3 for Peak Velocity.

2. In a prior version of this Context Group, the code 20352-1 was specified for Mean Velocity. This has been corrected to be Time Averaged Mean Velocity. Some applications might continue to send code 20352-1 instead of 11692-1 for Time Averaged Peak Velocity.

CID 12223 Echocardiography Stroke Volume Origin

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.615**

Table CID 12223. Echocardiography Stroke Volume Origin

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	87878005	Left Ventricle	T-32600	C0225897
SCT	13418002	Left Ventricle Outflow Tract	T-32650	C0225912
SCT	44627009	Right Ventricle Outflow Tract	T-32550	C0225892
SCT	91134007	Mitral Valve	T-35300	C0026264
SCT	15825003	Aorta	T-42000	C0003483

CID 12224 Ultrasound Image Modes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.616**

Table CID 12224. Ultrasound Image Modes

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399064001	2D mode	G-03A2	C1302189
SCT	261197005	Doppler Color Flow	R-409E2	C0475380
SCT	399155008	M mode	G-0394	C1302229
SCT	261199008	Doppler Pulsed	R-409E4	C0242846

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	261198000	Doppler Continuous Wave	R-409E3	C0444723
SCT	425704008	Power Doppler	P0-02241	C1960437
SCT	426865009	3D mode	P0-02242	C1960438
SCT	439858009	Tissue Doppler Imaging	P5-B0128	C2585212

CID 12226 Echocardiography Image View

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.617**

Table CID 12226. Echocardiography Image View

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399232001	Apical two chamber	G-A19B	C1302267
SCT	399214001	Apical four chamber	G-A19C	C1302256
SCT	399339008	Apical long axis	G-0395	C1302329
SCT	399139001	Parasternal long axis	G-0396	C1302222
SCT	443082005	Parasternal long axis view of the RV inflow tract	G-0577	C2733536
SCT	443083000	Parasternal long axis view of the RV outflow tract	G-0578	C2733537
SCT	399306005	Parasternal short axis	G-0397	C1302312
SCT	399239005	Parasternal short axis at the aortic valve level	G-0398	C1302271
SCT	399371001	Parasternal short axis at the level of the mitral chords	G-0399	C1302348
SCT	399036006	Parasternal short axis at the Mitral Valve level	G-039A	C1302178
SCT	399271003	Parasternal short axis at the Papillary Muscle level	G-039B	C1302289
SCT	398998003	Right Ventricular Inflow Tract View	G-039C	C1275800
SCT	399195005	Right Ventricular Outflow Tract View	G-039D	C1275831
SCT	399310008	Subcostal long axis	G-039E	C1302316
SCT	399200001	Subcostal short axis	G-039F	C1302251
SCT	399106004	Suprasternal long axis	G-03A0	C1302206
SCT	399145009	Suprasternal short axis	G-03A1	C1302224
SCT	443698002	Transesophageal short axis view	R-40B0E	C2733008
SCT	443100003	Subcostal view of cardiac outlets directed anteriorly	R-40AFF	C2732944
SCT	443160001	Subcostal short axis view at papillary muscle level	G-0579	C2732745
SCT	443499004	Subcostal short axis view at mitral valve level	G-057B	C2732947

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	443609003	Subcostal short axis view at aortic valve level	G-057E	C2733524
SCT	443500008	Subcostal short axis view at venous inflow level	G-057C	C2733525
SCT	443640005	Subcostal oblique coronal view	R-40B0A	C2733526
SCT	443162009	Suprasternal coronal view	R-40B00	C2733098
SCT	443163004	Suprasternal sagittal view	R-40B01	C2733099
SCT	443562002	Suprasternal long axis view of aortic arch	G-057D	C2732456

CID 12227 Echocardiography Measurement Method

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20161109**
UID: **1.2.840.10008.6.1.618**

Table CID 12227. Echocardiography Measurement Method

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12228 “Echocardiography Volume Methods”		
Include CID 12229 “Echocardiography Area Methods”		
Include CID 12230 “Gradient Methods”		
Include CID 12231 “Volume Flow Methods”		
Include CID 12232 “Myocardium Mass Methods”		
DCM	125316	Directly measured

CID 12228 Echocardiography Volume Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.619**

Table CID 12228. Echocardiography Volume Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	125204	Area-Length Biplane
DCM	125205	Area-Length Single Plane
DCM	125211	Biplane Ellipse
DCM	125226	Single Plane Ellipse
DCM	125206	Cube Method
DCM	125207	Method of Disks, Biplane
DCM	125208	Method of Disks, Single Plane
DCM	125209	Teichholz
DCM	125227	Modified Simpson
DCM	125228	Bullet Method

CID 12229 Echocardiography Area Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.620**

Table CID 12229. Echocardiography Area Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	125210	Area by Pressure Half-Time
DCM	125212	Continuity Equation
DCM	125213	Continuity Equation by Mean Velocity
DCM	125214	Continuity Equation by Peak Velocity
DCM	125215	Continuity Equation by Velocity Time Integral
DCM	125216	Proximal Isovelocity Surface Area
DCM	125220	Planimetry

CID 12230 Gradient Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.621**

Table CID 12230. Gradient Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	125217	Full Bernoulli
DCM	125218	Simplified Bernoulli

CID 12231 Volume Flow Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.622**

Table CID 12231. Volume Flow Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	125219	Doppler Volume Flow
DCM	125216	Proximal Isovelocity Surface Area

CID 12232 Myocardium Mass Methods

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.623**

Table CID 12232. Myocardium Mass Methods

Coding Scheme Designator	Code Value	Code Meaning
DCM	125221	Left Ventricle Mass by M-mode
DCM	125222	Left Ventricle Mass by Truncated Ellipse
DCM	125270	Left Ventricle Mass by Area Length
DCM	125271	Left Ventricle Mass by M-mode - adjusted by Height
DCM	125272	Left Ventricle Mass by Truncated Ellipse - adjusted by Height
DCM	125273	Left Ventricle Mass by Area Length - adjusted by Height

CID 12233 Cardiac Phase

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.624**

Table CID 12233. Cardiac Phase

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	111973004	Systole	F-32020	C0039155
SCT	90892000	Diastole	F-32010	C0012000
SCT	416190007	End Diastole	R-FAB5C	C1562146
SCT	416430001	End Systole	R-FAB5B	C1563001
SCT	444389002	Early Diastole	R-40B1B	C2732387
SCT	255236000	Peak Systolic	F-32021	C0442710
SCT	59972007	Atrial Systole	F-32030	C0520865
SCT	8997002	Ventricular Systole	F-32040	C0520866
SCT	444379001	Ventricular Isovolumic Contraction	R-40B12	C2732703
SCT	444371003	Ventricular Ejection	R-40B11	C2733340
SCT	444361000	Ventricular Isovolumic Relaxation	R-40B10	C2733323
SCT	444392003	Diastolic Rapid Inflow	R-40B1C	C2732785
SCT	444469002	Diastasis	R-40B21	C2733177

CID 12234 Respiration State

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.625**

Table CID 12234. Respiration State

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	14910006	Inspiration	F-20010	C0004048
SCT	58322009	Expiration	F-20020	C0231800

CID 12235 Mitral Valve Anatomic Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.626**

Table CID 12235. Mitral Valve Anatomic Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399093001	Medial Mitral Annulus	G-0391	C1302199
SCT	399086000	Lateral Mitral Annulus	G-0392	C1302198
SCT	65197004	Mitral Annulus	T-35310	C0225947

CID 12236 Echo Anatomic Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20110818**
UID: **1.2.840.10008.6.1.627**

Table CID 12236. Echo Anatomic Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12235 “Mitral Valve Anatomic Sites”				
Include CID 12223 “Echocardiography Stroke Volume Origin”				
Include CID 12241 “Tricuspid Valve Finding Sites”				
Include CID 12242 “Aortic Valve Finding Sites”				
Include CID 12243 “Left Ventricle Finding Sites”				
Include CID 12244 “Congenital Finding Sites”				
SCT	253678000	Thoracic Aortic Coarctation	D4-32030	C0345086
SCT	373945007	Pericardial effusion	D3-90008	C0031039

CID 12237 Echocardiography Anatomic Site Modifiers

Type: Extensible Version: 20030918

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.628**

Table CID 12237. Echocardiography Anatomic Site Modifiers

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12219 “Pulmonary Vein Modifiers”		

CID 12238 Wall Motion Scoring Schemes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20050321**
UID: **1.2.840.10008.6.1.629**

Table CID 12238. Wall Motion Scoring Schemes

Coding Scheme Designator	Code Value	Code Meaning
DCM	125223	4 Point Segment Finding Scale
DCM	125224	5 Point Segment Finding Scale
DCM	125225	5 Point Segment Finding Scale With Graded Hypokinesis

CID 12239 Cardiac Output Properties

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.630**

Table CID 12239. Cardiac Output Properties

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Equivalent LOINC Code Value
SCT	90096001	Stroke Volume	F-32120	C0038455	20562-5
SCT	82799009	Cardiac Output	F-32100	C0007165	8741-1
SCT	54993008	Cardiac Index	F-32110	C0428776	
SCT	277381004	Stroke Index	F-00078	C0456712	

CID 12240 Left Ventricle Area

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20030918**
UID: **1.2.840.10008.6.1.631**

Table CID 12240. Left Ventricle Area

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399030000	Left Ventricular Systolic Area	G-0374	C1275805
SCT	399109006	Left Ventricular Diastolic Area	G-0375	C1275819
SCT	399287000	Left Ventricular Fractional Area Change	G-0376	C1302301
SCT	399293008	Left Ventricle Epicardial Diastolic Area, psax pap view	G-0379	C1302305

CID 12241 Tricuspid Valve Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.632**

Table CID 12241. Tricuspid Valve Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	113259005	Tricuspid Annulus	T-35110	C0225926

CID 12242 Aortic Valve Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.633**

Table CID 12242. Aortic Valve Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	77583004	Aortic Valve Ring	T-35410	C0225957

CID 12243 Left Ventricle Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.634**

Table CID 12243. Left Ventricle Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	13418002	Left Ventricle Outflow Tract	T-32650	C0225912

CID 12244 Congenital Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20040614**
UID: **1.2.840.10008.6.1.635**

Table CID 12244. Congenital Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	30288003	Ventricular Septal Defect	D4-31150	C0018818
SCT	70142008	Atrial Septal Defect	D4-31220	C0018817

CID 12245 Cardiac Ultrasound Report Titles

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.826**

Table CID 12245. Cardiac Ultrasound Report Titles

Coding Scheme Designator	Code Value	Code Meaning
DCM	125195	Pediatric Cardiac Ultrasound Report
DCM	125196	Fetal Cardiac Ultrasound Report
DCM	125197	Adult Congenital Cardiac Ultrasound Report

CID 12246 Cardiac Ultrasound Indication for Study

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.827**

Table CID 12246. Cardiac Ultrasound Indication for Study

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	386661006	Fever	F-0A44A	C0015967
SCT	66857006	Hemoptysis	F-24210	C0019079
SCT	373112006	Murmur	R-00302	C1298804
SCT	13213009	Congenital heart disease	D4-31000	C0152021
SCT	29857009	Chest Pain	F-37000	C0008031
SCT	53741008	Coronary Artery Disease	D3-13040	C0010054
SCT	171224000	Heart disease risk factors	F-03C97	C0420044
SCT	267036007	Dyspnea	F-201B3	C0013404
SCT	102594003	Abnormal ECG	F-38002	C0522055
SCT	44808001	Arrhythmia	D3-30000	C0264886
SCT	194828000	Angina pectoris	D3-13012	C0002962
SCT	38341003	Hypertension	D3-02000	C0020538
SCT	80313002	Palpitations	F-37150	C0030252
SCT	6456007	Supraventricular tachycardia	D3-31290	C0039240
SCT	271594007	Syncope	D3-00006	C0039070
SCT	63467002	Left bundle branch block	D3-33120	C0023211
SCT	368009	Valvular heart disease	D3-10800	C0018824
SCT	413815006	Imaging guidance	P0-05DA0	C1531652

CID 12247 Pediatric, Fetal and Congenital Cardiac Surgical Interventions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.828**

Table CID 12247. Pediatric, Fetal and Congenital Cardiac Surgical Interventions

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	174826008	Arterial switch operation	P1-31919	C0397344
SCT	245544005	Implantation of baffle, atrial or interatrial	P1-31018	C2939161
SCT	112811009	Atrial septal defect repair	P1-31872	C0189965
SCT	30123000	Percutaneous prosthetic closure of atrial septal defect	P1-31846	C0456837
SCT	174836000	Repair of defect of the atrioventricular septum	P1-31037	C0397243
SCT	13662000	Blalock-Taussig shunt, pulmonary-subclavian artery anastomosis	P1-36957	C0397560
SCT	233224003	Central aortopulmonary shunt operation	P1-36956	C0397538

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	274022008	Repair of coarctation of aorta	P1-34001	C0558326
SCT	308696000	Coarctation of the Aorta Balloon Angioplasty	P5-39106	C0553938
SCT	443829004	Coarctation of the Aorta Angioplasty with Implant of Stent	P0-06135	C2732719
SCT	233134001	Damus-Stansel-Kaye operation	P1-31088	C0397356
SCT	233022006	Creation of conduit right atrium to pulmonary trunk	P1-31028	C0397204
SCT	427886002	Lateral-Caval Fontan procedure	P1-36993	C1997148
SCT	233230003	Hemi-Fontan operation	P1-3696A	C0600403
SCT	444178004	Left Glenn shunt procedure	P1-36997	C2732994
SCT	443989003	Left-sided bidirectional Glenn shunt procedure	P1-36994	C2732993
SCT	40250003	Mustard operation	P1-31917	C1306542
SCT	233139006	Norwood type operation	P1-31089	C0397362
SCT	233199008	Closure of ductus arteriosus with clip	P0-057E8	C0397497
SCT	441676000	Patent ductus arteriosus coil or device closure	P0-00E0B	C2711684
SCT	174900004	Partial anomalous pulmonary venous connection operation	P1-38803	C0397156
SCT	44777001	Rastelli operation	P1-31920	C0339891
SCT	444001009	Right Glenn shunt procedure	P1-36995	C2732324
SCT	444034006	Right-sided bidirectional Glenn shunt procedure	P1-36996	C2733094
SCT	429620002	Construction of LV to aorta tunnel w RV to PA valved conduit	P0-00C6B	C1996934
SCT	429616001	Radical aortopulmonary reconstruct w RV to PA valveless conduit	P1-30A31	C1997834
SCT	442123009	Sano procedure	P1-3180D	C2711052
SCT	174822005	Atrial inversion operation using atrial wall	P1-31003	C0339890
SCT	174830006	Repair of total anomalous pulmonary venous connection	P0-0530F	C0397150
SCT	47432005	Implantation of heart valve prosthesis or synthetic device	P1-32504	C0190100
SCT	37153009	Implantation of heart valve with tissue graft	P1-32502	C0190099
SCT	76025005	Correction of ventricular septal defect	P1-31876	C0189969
SCT	89814007	Ventricular septal defect device closure	P1-31850	C0397314

CID 12248 Cardiac Ultrasound Summary Codes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.829**

Table CID 12248. Cardiac Ultrasound Summary Codes

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	18546004	Congenital stenosis of aortic valve	D4-31810	C0152417
SCT	70142008	Atrial Septal Defect	D4-31220	C0018817
SCT	60234000	Aortic regurgitation	D3-29022	C0003504
SCT	60573004	Aortic stenosis	D3-29021	C0003507
SCT	287272002	Cardiomegaly	D3-10008	C0564976
SCT	7305005	Coarctation of the Aorta	D4-32014	C0003492
SCT	360481003	Common atrioventricular canal	D4-31303	C0221215
SCT	26146002	Complete transposition of great vessels	D4-31010	C0040761
SCT	3415004	Cyanosis	M-04100	C0010520
SCT	27637000	Dextrocardia	D4-31B16	C0011813
SCT	218728005	Interrupted Aortic Arch	D3-83001	C0152419
SCT	16567006	Mesocardia	D4-31B24	C0265865
SCT	75053002	Acute febrile mucocutaneous lymph node syndrome	D3-81660	C0026691
SCT	409712001	Mitral valve prolapse	D3-1081C	C0026267
SCT	48724000	Mitral regurgitation	D3-29012	C0026266
SCT	79619009	Mitral stenosis	D3-29011	C0026269
SCT	68237008	Partial anomalous pulmonary venous connection	D4-33622	C0158634
SCT	60732002	Atrial septal defect with endocardial cushion defect, partial	D4-31310	C0265814
SCT	56786000	Pulmonic valve stenosis	D3-29051	C0034089
SCT	58718002	Rheumatic Fever	D3-17100	C0035436
SCT	86299006	Tetralogy of Fallot	D4-31110	C0039685
SCT	30288003	Ventricular Septal Defect	D4-31150	C0018818
SCT	83799000	Corrected transposition of great vessels	D4-31040	C0344616
SCT	253590009	Pulmonary atresia with intact ventricular septum	D3-29082	C0344975
SCT	253591008	Pulmonary atresia with ventricular septal defect	D4-31611	C0344976
SCT	62067003	Hypoplastic left heart syndrome	D4-31A00	C0152101
SCT	443379009	Functional Single Ventricle	D4-31125	C2732741

CID 12249 Cardiac Ultrasound Fetal Summary Codes

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.830**

Table CID 12249. Cardiac Ultrasound Fetal Summary Codes

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12248 "Cardiac Ultrasound Summary Codes"				
SCT	443168008	Edema of fetal scalp	F-0518A	C2732384
SCT	443115002	Edema of fetal chest wall	F-8612F	C2733165

CID 12250 Cardiac Ultrasound Common Linear Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.831**

Table CID 12250. Cardiac Ultrasound Common Linear Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	410668003	Length	G-D7FE	C1444754
SCT	81827009	Diameter	M-02550	C1301886
SCT	131187009	Major Axis	G-A193	C1295723
SCT	131188004	Minor Axis	G-A194	C1295724
SCT	74551000	Circumference	M-02560	C0332520
SCT	131190003	Radius	G-A196	C1306504
LN	59089-3	ROI Thickness by US		C2923416
LN	59090-1	ROI Internal Dimension by US		C2923417

CID 12251 Cardiac Ultrasound Linear Valve Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.832**

Table CID 12251. Cardiac Ultrasound Linear Valve Measurements

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12250 "Cardiac Ultrasound Common Linear Measurements"			
LN	59091-9	D-E Excursion	C2923419
LN	59109-9	Leaflet Separation	C2923448
LN	59110-7	Leaflet Thickness	C2923450
LN	59122-2	C-E Distance	C2923472

CID 12252 Cardiac Ultrasound Cardiac Function

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.833**

Table CID 12252. Cardiac Ultrasound Cardiac Function

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	70822001	Cardiac ejection fraction	F-32070	C0232174
LN	59117-2	Mean Velocity of Circumferential Fiber Shortening (Mean VcFv)		C2923464
LN	59118-0	HR-Corrected Mean Velocity of Circumferential Fiber Shortening		C2923466
LN	59092-7	% Thickening		C2923420
LN	59132-1	Fractional Shortening		C2923490

CID 12253 Cardiac Ultrasound Area Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.834**

Table CID 12253. Cardiac Ultrasound Area Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	20226-7	Flow Area		C0803041
SCT	42798000	Area	G-A166	C0205146
LN	59123-0	Jet Area		C2923474

CID 12254 Cardiac Ultrasound Hemodynamic Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.835**

Table CID 12254. Cardiac Ultrasound Hemodynamic Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	122182	R-R interval		
DCM	109072	Tau		
DCM	109071	Indicator mean transit time		
LN	59082-8	Closure to Opening Time		C2923406
LN	59083-6	Isovolumic Relaxation Time		C2923408
LN	59084-4	Isovolumic Contraction Time		C2923409
LN	20222-6	Ejection Time		C0803037
LN	59085-1	Pre-Ejection Period		C2923411
LN	59119-8	Filling Time		C2923467
SCT	75367002	Blood Pressure	F-31000	C0005823
LN	59086-9	Heart Rate-Corrected Ejection Time		C2923412
LN	59087-7	Heart Rate-Corrected Pre-Ejection Period		C2923413

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	59105-7	A-Wave Duration		C2923441
LN	59088-5	Pre-Ejection Period/Ejection Time Ratio		C2923414
LN	59108-1	Envelope Duration		C2923446
LN	59121-4	Time to Peak by US		C2923470
LN	59120-6	dP/dt by US		C2923468

CID 12255 Cardiac Ultrasound Myocardium Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.836**

Table CID 12255. Cardiac Ultrasound Myocardium Measurements

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
DCM	122447	Wall Mass	
LN	59099-2	Myocardial Performance Index (Tei)	C2923433
LN	59094-3	Endocardial Area	C2923423
LN	59093-5	Epicardial Area	C2923421

CID 12257 Cardiac Ultrasound Left Ventricle

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.838**

Table CID 12257. Cardiac Ultrasound Left Ventricle

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
Include CID 12222 “Orifice Flow Properties”				
Include CID 12239 “Cardiac Output Properties”				
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”				
Include CID 12252 “Cardiac Ultrasound Cardiac Function”				
Include CID 12253 “Cardiac Ultrasound Area Measurements”				
Include CID 12254 “Cardiac Ultrasound Hemodynamic Measurements”				
Include CID 12255 “Cardiac Ultrasound Myocardium Measurements”				
SCT	118565006	Volume	G-D705	C0449468
LN	18155-2	Interventricular Septum to Posterior Wall Thickness Ratio		C0801204
SCT	399140004	Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave	G-037B	C1275825
LN	59097-6	Left Ventricle Meridional Wall Stress		C2923429
LN	59095-0	Time to Left Ventricle S Tissue Velocity		C2923425

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN	59096-8	Time to Left Ventricle E Tissue Velocity		C2923427
LN	59124-8	Tissue Velocity Time Integral (VTI) for the area under Left Ventricle E wave		C2923476
LN	59125-5	Tissue Velocity Time Integral (VTI) for the area under Left Ventricle A wave		C2923478
LN	59129-7	Left Ventricle E to A Tissue Velocity Ratio		C2923485
LN	59133-9	Peak Tissue Velocity		C2923492

CID 12258 Cardiac Ultrasound Right Ventricle

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.839**

Table CID 12258. Cardiac Ultrasound Right Ventricle

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
Include CID 12222 “Orifice Flow Properties”				
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”				
Include CID 12253 “Cardiac Ultrasound Area Measurements”				
Include CID 12254 “Cardiac Ultrasound Hemodynamic Measurements”				
Include CID 12255 “Cardiac Ultrasound Myocardium Measurements”				
SCT	118565006	Volume	G-D705	C0449468

CID 12259 Cardiac Ultrasound Ventricles Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.840**

Table CID 12259. Cardiac Ultrasound Ventricles Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12257 “Cardiac Ultrasound Left Ventricle”		
Include CID 12258 “Cardiac Ultrasound Right Ventricle”		

CID 12260 Cardiac Ultrasound Pulmonary Artery

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.841**

Table CID 12260. Cardiac Ultrasound Pulmonary Artery

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12220 “Echocardiography Common Measurements”		

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12222 “Orifice Flow Properties”		
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”		
Include CID 12253 “Cardiac Ultrasound Area Measurements”		
Include CID 12254 “Cardiac Ultrasound Hemodynamic Measurements”		

CID 12261 Cardiac Ultrasound Pulmonary Vein

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.842**

Table CID 12261. Cardiac Ultrasound Pulmonary Vein

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”			
Include CID 12222 “Orifice Flow Properties”			
Include CID 12254 “Cardiac Ultrasound Hemodynamic Measurements”			
Include CID 3612 “Blood Velocity Measurements”			
LN	59112-3	Pulmonary Vein A Duration Mitral Valve A Duration Ratio	C2923454
LN	59113-1	Pulmonary Vein A VTI to Mitral Valve VTI Ratio	C2923456
LN	59114-9	Pulm Vein A duration to MV A duration difference	C2923458

CID 12262 Cardiac Ultrasound Pulmonary Valve

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.843**

Table CID 12262. Cardiac Ultrasound Pulmonary Valve

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”			
Include CID 12222 “Orifice Flow Properties”			
Include CID 12239 “Cardiac Output Properties”			
Include CID 12251 “Cardiac Ultrasound Linear Valve Measurements”			
Include CID 12252 “Cardiac Ultrasound Cardiac Function”			
Include CID 12253 “Cardiac Ultrasound Area Measurements”			
Include CID 12254 “Cardiac Ultrasound Hemodynamic Measurements”			
LN	59101-6	Pulmonary Artery Pressure using Accel Time	C2923436
LN	20295-2	Time from Q wave to Pulmonic Valve Closes	C0803110
LN	59100-8	A-Wave Amplitude	C2923435

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	59126-3	B-C Slope	C2923480

CID 12263 Cardiac Ultrasound Venous Return Pulmonary Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.844**

Table CID 12263. Cardiac Ultrasound Venous Return Pulmonary Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12261 “Cardiac Ultrasound Pulmonary Vein”		
Include CID 12262 “Cardiac Ultrasound Pulmonary Valve”		

CID 12264 Cardiac Ultrasound Venous Return Systemic Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.845**

Table CID 12264. Cardiac Ultrasound Venous Return Systemic Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12220 “Echocardiography Common Measurements”		
Include CID 12222 “Orifice Flow Properties”		
Include CID 12239 “Cardiac Output Properties”		
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”		
Include CID 12252 “Cardiac Ultrasound Cardiac Function”		
Include CID 12253 “Cardiac Ultrasound Area Measurements”		
Include CID 12254 “Cardiac Ultrasound Hemodynamic Measurements”		
Include CID 3612 “Blood Velocity Measurements”		

CID 12265 Cardiac Ultrasound Atria and Atrial Septum Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.846**

Table CID 12265. Cardiac Ultrasound Atria and Atrial Septum Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
Include CID 12222 “Orifice Flow Properties”				
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”				
Include CID 12253 “Cardiac Ultrasound Area Measurements”				
Include CID 12255 “Cardiac Ultrasound Myocardium Measurements”				

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	118565006	Volume	G-D705	C0449468
LN	17985-3	Left Atrium to Aortic Root Ratio		C0801035
LN	59131-3	Left Atrium Volume to Right Atrium Volume Ratio		C2923488

CID 12266 Cardiac Ultrasound Mitral Valve

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.847**

Table CID 12266. Cardiac Ultrasound Mitral Valve

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”			
Include CID 12222 “Orifice Flow Properties”			
Include CID 12239 “Cardiac Output Properties”			
Include CID 12251 “Cardiac Ultrasound Linear Valve Measurements”			
Include CID 12252 “Cardiac Ultrasound Cardiac Function”			
Include CID 12253 “Cardiac Ultrasound Area Measurements”			
Include CID 12254 “Cardiac Ultrasound Hemodynamic Measurements”			
Include CID 3612 “Blood Velocity Measurements”			
LN	18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity	C0801084
LN	59098-4	Mitral Valve E-septal Separation	C2923431
LN	18036-4	Mitral Valve EPSS, E wave	C0801085

CID 12267 Cardiac Ultrasound Tricuspid Valve

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.848**

Table CID 12267. Cardiac Ultrasound Tricuspid Valve

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”				
Include CID 12222 “Orifice Flow Properties”				
Include CID 12239 “Cardiac Output Properties”				
Include CID 12251 “Cardiac Ultrasound Linear Valve Measurements”				
Include CID 12252 “Cardiac Ultrasound Cardiac Function”				
Include CID 12253 “Cardiac Ultrasound Area Measurements”				
Include CID 12254 “Cardiac Ultrasound Hemodynamic Measurements”				
Include CID 3612 “Blood Velocity Measurements”				

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	371847009	Tricuspid Diastolic Filling Period (DFPt)	R-003A9	C1299324
LN	20296-0	Time from Q wave to Tricuspid Valve Opens		C0803111

CID 12268 Cardiac Ultrasound Atrioventricular Valves Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.849**

Table CID 12268. Cardiac Ultrasound Atrioventricular Valves Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12266 “Cardiac Ultrasound Mitral Valve”		
Include CID 12267 “Cardiac Ultrasound Tricuspid Valve”		

CID 12269 Cardiac Ultrasound Interventricular Septum Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.850**

Table CID 12269. Cardiac Ultrasound Interventricular Septum Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12220 “Echocardiography Common Measurements”		
Include CID 12222 “Orifice Flow Properties”		
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”		
Include CID 12253 “Cardiac Ultrasound Area Measurements”		

CID 12270 Cardiac Ultrasound Aortic Valve

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.851**

Table CID 12270. Cardiac Ultrasound Aortic Valve

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”			
Include CID 12222 “Orifice Flow Properties”			
Include CID 12239 “Cardiac Output Properties”			
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”			
Include CID 12252 “Cardiac Ultrasound Cardiac Function”			
Include CID 12253 “Cardiac Ultrasound Area Measurements”			
Include CID 12254 “Cardiac Ultrasound Hemodynamic Measurements”			

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	17996-0	Aortic Valve Cusp Separation	C0801046

CID 12271 Cardiac Ultrasound Outflow Tracts Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.852**

Table CID 12271. Cardiac Ultrasound Outflow Tracts Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12257 “Cardiac Ultrasound Left Ventricle”		
Include CID 12258 “Cardiac Ultrasound Right Ventricle”		
Include CID 12262 “Cardiac Ultrasound Pulmonary Valve”		
Include CID 12270 “Cardiac Ultrasound Aortic Valve”		

CID 12272 Cardiac Ultrasound Semilunar Valves, Annulate and Sinuses Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.853**

Table CID 12272. Cardiac Ultrasound Semilunar Valves, Annulate and Sinuses Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12262 “Cardiac Ultrasound Pulmonary Valve”		
Include CID 12270 “Cardiac Ultrasound Aortic Valve”		

CID 12273 Cardiac Ultrasound Aortic Sinotubular Junction

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.854**

Table CID 12273. Cardiac Ultrasound Aortic Sinotubular Junction

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”			
Include CID 12222 “Orifice Flow Properties”			
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”			
LN	59116-4	Aortic Sinotubular Junction to Aortic Root Ratio	C2923462

CID 12274 Cardiac Ultrasound Aorta Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**

Version: **20100317**
UID: **1.2.840.10008.6.1.855**

Table CID 12274. Cardiac Ultrasound Aorta Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12220 “Echocardiography Common Measurements”		
Include CID 12222 “Orifice Flow Properties”		
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”		
Include CID 12270 “Cardiac Ultrasound Aortic Valve”		
Include CID 12273 “Cardiac Ultrasound Aortic Sinotubular Junction”		

CID 12275 Cardiac Ultrasound Coronary Arteries Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.856**

Table CID 12275. Cardiac Ultrasound Coronary Arteries Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12220 “Echocardiography Common Measurements”		
Include CID 12222 “Orifice Flow Properties”		
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”		

CID 12276 Cardiac Ultrasound Aorto Pulmonary Connections Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.857**

Table CID 12276. Cardiac Ultrasound Aorto Pulmonary Connections Measurements

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
Include CID 12220 “Echocardiography Common Measurements”			
Include CID 12222 “Orifice Flow Properties”			
Include CID 3612 “Blood Velocity Measurements”			
LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio	C0944910

CID 12277 Cardiac Ultrasound Pericardium and Pleura Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.858**

Table CID 12277. Cardiac Ultrasound Pericardium and Pleura Measurements

Coding Scheme Designator	Code Value	Code Meaning
Include CID 12250 “Cardiac Ultrasound Common Linear Measurements”		

CID 12279 Cardiac Ultrasound Fetal General Measurements

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.859**

Table CID 12279. Cardiac Ultrasound Fetal General Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 12004 “Fetal Biometry Ratios”				
LN	11988-3	Thoracic Circumference		C0552104
LN	33068-8	Thoracic Area		C1315539
LN	59073-7	Cardiac Circumference, transverse by US		C2923390
LN	59074-5	Cardiothoracic Circumference Ratio		C2923392
LN	59075-2	Cardiac Cross-sectional Area, transverse by US		C2923394
LN	59076-0	Cardiothoracic Area Ratio		C2923396
LN	11820-8	Biparietal Diameter		C0551937
LN	33069-6	Nuchal Translucency		C1315540
LN	11963-6	Femur Length		C0552080
LN	11979-2	Abdominal Circumference		C0552095
LN	11818-2	Anterior-Posterior Abdominal Diameter		C0551935
LN	11819-0	Anterior-Posterior Trunk Diameter		C0551936
LN	11824-0	BPD area corrected		C0551941
LN	11860-4	Cisterna Magna		C0551977
LN	11984-2	Head Circumference		C0552100
LN	11851-3	Occipital-Frontal Diameter		C0551968
LN	11862-0	Tranverse Abdominal Diameter		C0551979
LN	11863-8	Trans Cerebellar Diameter		C0551980
LN	11864-6	Transverse Thoracic Diameter		C0551981
LN	59077-8	Foramen Ovale Diameter/Aortic Root Diameter		C2923398
LN	59078-6	Left Ventricle/Right Ventricle Diameter Ratio		C2923400
SCT	249192005	Number of umbilical arteries	F-00AA0	C0426250

CID 12280 Cardiac Ultrasound Target Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.860**

Table CID 12280. Cardiac Ultrasound Target Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	263943000	Anterior Wall	R-4210B	C0442070

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	264159006	Posterior Wall	R-42175	C0442071
SCT	305437000	Cardiac valve annulus	T-3500E	C0583326
SCT	75397005	Preductal region of aortic arch	T-42340	C0226020
SCT	60835009	Postductal region of aortic arch	T-42350	C0226021
SCT	443501007	Vena Contracta	R-421AA	C2732913
SCT	443281009	Transverse Aortic Arch	T-42304	C2733296
SCT	41699000	Effusion	M-36700	C0013687
SCT	6530003	Cardiac Valve Leaflet	T-35002	C0225922
SCT	78480002	Right Pulmonary Artery	T-44200	C0226054
SCT	50408007	Left Pulmonary Artery	T-44400	C0226069
SCT	44627009	Right Ventricle Outflow Tract	T-32550	C0225892
SCT	13418002	Left Ventricle Outflow Tract	T-32650	C0225912
SCT	8629005	Right Superior Pulmonary Vein	T-48510	C0226671
SCT	113273001	Right Inferior Pulmonary Vein	T-48520	C0226676
SCT	43863001	Left Superior Pulmonary Vein	T-48530	C0226682
SCT	51249003	Left Inferior Pulmonary Vein	T-48540	C0226686
SCT	443714006	Pulmonary Vein Right Middle Segment	T-48505	C2732734
SCT	443705001	Pulmonary Vein Common Left Segment	T-F6859	C2732450
SCT	443591004	Pulmonary Vein Common Right Segment	T-F6858	C2733538
SCT	443208000	Pulmonary Vein confluence to Atrium Connection	M-2460C	C2733176

CID 12281 Cardiac Ultrasound Target Site Modifiers

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **~~20160405~~20190524**
UID: **1.2.840.10008.6.1.861**

Table CID 12281. Cardiac Ultrasound Target Site Modifiers

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	49370004	Lateral	G-A104	C0205093
SCT	255561001	Medial	R-404D5	C0205098
~~SCT~~NCIt	~~260528009~~C25569	Middle	~~R-4081A~~	~~C2939193~~C0444598
SCT	255549009	Anterior	R-404CC	C1704448
SCT	255551008	Posterior	R-404CE	C0205095
SCT	261089000	Inferior	R-4094A	C0542339
SCT	46053002	Distal	G-A119	C0205108
SCT	40415009	Proximal	G-A118	C0205107

CID 12282 Cardiac Ultrasound Venous Return Systemic Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.862**

Table CID 12282. Cardiac Ultrasound Venous Return Systemic Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	48345005	Superior Vena Cava	T-48610	C0042459
SCT	443444008	Right Superior Vena Cava	M-2460D	C2733597
SCT	9642004	Left Superior Vena Cava	T-48611	C0226694
SCT	64131007	Inferior Vena Cava	T-48710	C0042458
SCT	8993003	Hepatic Vein	T-48720	C0019155
SCT	443327008	Hemi-Fontan Pathway	T-D087E	C2732261
SCT	443789005	Glenn Pathway	T-D0884	C2732228
SCT	443298009	Fontan Pathway	T-D087C	C2732260
SCT	443326004	Fontan Inferior Vena Cava Pathway	T-D087D	C2733297
SCT	443724003	Fontan Fenestration	T-D0882	C2732467
SCT	443625008	Fontan Pulmonary Artery Connection	T-D0880	C2732967
SCT	443461006	Fontan Baffle Leak	DD-66228	C2733533
SCT	444177009	Mustard or Senning Superior Vena Cava Pathway	T-D0887	C2732998
SCT	444329004	Mustard or Senning Inferior Vena Cava Pathway	T-D0888	C2732999
SCT	443809000	Mustard or Senning Common Systemic Venous Pathway	T-D0885	C2732609

CID 12283 Cardiac Ultrasound Venous Return Pulmonary Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.863**

Table CID 12283. Cardiac Ultrasound Venous Return Pulmonary Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	122972007	Pulmonary Vein	T-48581	C0034090
SCT	430757002	Pulmonary Vein Great Vessel	T-4858F	C2317442
SCT	443445009	Cor Triatriatum Orifice	M-20103	C2733324
SCT	443297004	Pulmonary Vein to Atrium Connection	T-D087B	C2732968
SCT	443907004	Mustard or Senning Pulmonary Venous Pathway	T-D0886	C2732659

CID 12284 Cardiac Ultrasound Atria and Atrial Septum Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**

Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.864**

Table CID 12284. Cardiac Ultrasound Atria and Atrial Septum Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	73829009	Right Atrium	T-32200	C0225844
SCT	82471001	Left Atrium	T-32300	C0225860
SCT	253276007	Common Atrium	D4-31005	C0392482
SCT	33626005	Left Auricular Appendage	T-32310	C0225861
SCT	68300000	Right Auricular Appendage	T-32210	C0225845
SCT	58095006	Interatrial Septum Structure	T-32150	C0225836
SCT	70142008	Atrial Septal Defect	D4-31220	C0018817
SCT	84712000	Limbus of Fossa Ovalis	T-32156	C0225842
SCT	204317008	Patent Foramen Ovale	D4-31012	C0016522
SCT	443724003	Fontan Fenestration	T-D0882	C2732467
SCT	443461006	Fontan Baffle Leak	DD-66228	C2733533

CID 12285 Cardiac Ultrasound Atrioventricular Valves Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20160314**
UID: **1.2.840.10008.6.1.865**

Table CID 12285. Cardiac Ultrasound Atrioventricular Valves Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	91134007	Mitral Valve	T-35300	C0026264
SCT	46030003	Tricuspid Valve	T-35100	C0040960
SCT	312522004	Common non-mitral non-tricuspid Atrioventricular Valve Structure	T-35008	C0729875

CID 12286 Cardiac Ultrasound Interventricular Septum Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.866**

Table CID 12286. Cardiac Ultrasound Interventricular Septum Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	589001	Interventricular Septum	T-32410	C0225870
SCT	30288003	Ventricular Septal Defect	D4-31150	C0018818
SCT	443329006	Bulboventricular Foramen	M-20102	C2732784

CID 12287 Cardiac Ultrasound Ventricles Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.867**

Table CID 12287. Cardiac Ultrasound Ventricles Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	87878005	Left Ventricle	T-32600	C0225897
SCT	53085002	Right Ventricle	T-32500	C0225883
SCT	45503006	Common Ventricle	D4-31120	C0152424

CID 12288 Cardiac Ultrasound Outflow Tracts Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.868**

Table CID 12288. Cardiac Ultrasound Outflow Tracts Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	87878005	Left Ventricle	T-32600	C0225897
SCT	53085002	Right Ventricle	T-32500	C0225883
SCT	443260009	Rastelli Interventricular Tunnel	T-D0879	C2733139
SCT	443328003	Right Ventricle to Pulmonary Artery Conduit Anastomosis	T-D087F	C2733003
SCT	443696003	Left Ventricle to Pulmonary Artery Conduit Anastomosis	T-D0881	C2732878
SCT	34202007	Aortic Valve	T-35400	C0003501
SCT	39057004	Pulmonic Valve	T-35200	C0034086

CID 12289 Cardiac Ultrasound Semilunar Valves, Annulus and Sinuses Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.869**

Table CID 12289. Cardiac Ultrasound Semilunar Valves, Annulus and Sinuses Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	34202007	Aortic Valve	T-35400	C0003501
SCT	8128003	Root of Aorta	T-42110	C0549113
SCT	39057004	Pulmonic Valve	T-35200	C0034086
SCT	279317000	Truncal Valve Structure	T-35014	C0458377
SCT	443283007	Neoaortic Valve	T-D087A	C2733223

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	443726001	Neoaortic Root	T-D0883	C2733222

CID 12290 Cardiac Ultrasound Pulmonary Arteries Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.870**

Table CID 12290. Cardiac Ultrasound Pulmonary Arteries Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	45341000	Pulmonary Trunk	T-44100	C0034052
SCT	81040000	Pulmonary Artery	T-44000	C0034052
SCT	443096004	Aorta to Pulmonary Artery Connection	T-D0877	C2732457

CID 12291 Cardiac Ultrasound Aorta Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.871**

Table CID 12291. Cardiac Ultrasound Aorta Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	8128003	Root of Aorta	T-42110	C0549113
SCT	81128002	Structure Sinus of Valsalva	T-42200	C0037197
SCT	36371001	Left Sinus of Valsalva	T-42220	C0226017
SCT	89093001	Right Sinus of Valsalva	T-42210	C0226016
SCT	24865005	Non-coronary Sinus	T-42230	C0226018
SCT	443167003	Aortic Sinotubular Junction	T-42102	C2733424
SCT	54247002	Ascending Aorta	T-42100	C0003956
SCT	57034009	Aortic Arch	T-42300	C0003489
SCT	88593004	Aortic Isthmus	T-42310	C0226019
SCT	7305005	Coarctation of Aorta	D4-32014	C0003492
SCT	113262008	Thoracic Aorta	T-42070	C1522460
SCT	7832008	Abdominal Aorta	T-42500	C0003484
SCT	1918003	Supra Renal Aorta	T-42510	C0226024
SCT	28205006	Infra-Renal Aorta	T-42520	C0226025
SCT	12691009	Innominate Artery	T-46010	C0006094
SCT	65355003	Right Common Carotid Artery	T-45110	C0226086
SCT	29700009	Right Subclavian Artery	T-46110	C0226261
SCT	113263003	Left Common Carotid Artery	T-45120	C0226087
SCT	85235006	Left Subclavian Artery	T-46120	C0226262

CID 12292 Cardiac Ultrasound Coronary Arteries Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20170914**
UID: **1.2.840.10008.6.1.872**

Table CID 12292. Cardiac Ultrasound Coronary Arteries Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	3227004	Left Main Coronary Artery	T-43107	C0226031
SCT	57396003	Circumflex Coronary Artery	T-43120	C0226037
SCT	52433000	Proximal Circumflex Coronary Artery	T-43121	C0226038
SCT	91753007	Mid Circumflex Coronary Artery	T-43127	C0524433
SCT	6511003	Distal Circumflex Coronary Artery	T-43122	C0226039
SCT	59438005	Anterior Descending Branch of Left Coronary Artery	T-43110	C0226032
SCT	244251006	Septal Artery	T-43002	C0447058
SCT	13647002	Right Coronary Artery	T-43200	C1261316
SCT	443113009	Posterior Descending Coronary Artery	T-D0878	C2732720

CID 12293 Cardiac Ultrasound Aortopulmonary Connections Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.873**

Table CID 12293. Cardiac Ultrasound Aortopulmonary Connections Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	83330001	Patent Ductus Arteriosus	D4-32012	C0013274
SCT	443096004	Aorta to Pulmonary Artery Connection	T-D0877	C2732457
SCT	439470001	Arteriovenous Fistula	D1-50666	C0003855

CID 12294 Cardiac Ultrasound Pericardium and Pleura Finding Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20100317**
UID: **1.2.840.10008.6.1.874**

Table CID 12294. Cardiac Ultrasound Pericardium and Pleura Finding Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	76848001	Pericardium	T-39000	C0031050
SCT	3120008	Pleura	T-29000	C0032225
SCT	53727004	Left Pleura	T-29200	C0225784
SCT	44788007	Right Pleura	T-29100	C0225779

CID 12300 Core Echo Measurements

This codeset is populated mostly based on measurements identified in best practice articles published by the American Society of Echocardiography (ASE). The LOINC codes were introduced after fully modelling the underlying semantics of the measurement. The Units column contains the proper UCUM representation of the recommended units for the measured property.

Note

The Code Meaning shown here reflects the colloquial style by which the measurements were identified in the ASE articles and would likely be appropriate for displaying to users. However, implementers of clinical applications and databases will need to review the definitions of these measurements to correctly understand the full pre-coordinated semantics of the codes. Similarly, reuse of the codes based on the Code Meaning text without reviewing and confirming the applicability of the full semantics found in the code definitions is discouraged.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20161109**
UID: **1.2.840.10008.6.1.1149**

Table CID 12300. Core Echo Measurements

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
LN	79940-3	Aortic annulus diameter		C4070180	(cm, UCUM, "cm")
LN	79941-1	Aortic regurgitant flow		C4071396	(ml/s, UCUM, "ml/s")
LN	79942-9	Aortic regurgitant fraction		C4071395	(%, UCUM, "%")
LN	79943-7	Aortic regurgitant jet area/LVOT area %		C4069758	(%, UCUM, "%")
LN	79944-5	Aortic regurgitant jet width/LVOT width %		C4069757	(%, UCUM, "%")
LN	79945-2	Aortic regurgitation PISA radius		C4069756	(cm, UCUM, "cm")
LN	79946-0	Aortic regurgitation PISA velocity		C4069755	(cm/s, UCUM, "cm/s")
LN	79947-8	Aortic regurgitation pressure half-time		C4069754	(ms, UCUM, "ms")
LN	79948-6	Aortic regurgitation vena contracta width		C4069753	(cm, UCUM, "cm")
LN	79949-4	Aortic regurgitation Vmax		C4069752	(cm/s, UCUM, "cm/s")
LN	79950-2	Aortic regurgitation volume (Continuity VTI)		C4070676	(ml, UCUM, "ml")
LN	79951-0	Aortic regurgitation volume (PISA)		C4070675	(ml, UCUM, "ml")
LN	79952-8	Aortic regurgitation VTI		C4070674	(cm, UCUM, "cm")
LN	79953-6	Aortic root diameter		C4070673	(cm, UCUM, "cm")
LN	79954-4	Aortic root diameter / BSA		C4069751	(cm/m2, UCUM, "cm/m2")
LN	79955-1	Aortic sinotubular junction dimension		C4069750	(cm, UCUM, "cm")
LN	79956-9	Aortic valve area (Continuity Vmax)		C4069749	(cm2, UCUM, "cm2")
LN	79957-7	Aortic valve area (Continuity Vmax) / BSA		C4069748	(cm2/m2, UCUM, "cm2/m2")
LN	79958-5	Aortic valve area (Continuity VTI)		C4069747	(cm2, UCUM, "cm2")
LN	79959-3	Aortic valve area (Continuity VTI) / BSA		C4069746	(cm2/m2, UCUM, "cm2/m2")

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
LN	79960-1	Aortic valve effective regurgitant orifice area		C4069745	(cm2, UCUM, "cm2")
LN	79961-9	Aortic valve mean blood velocity		C4069744	(cm/s, UCUM, "cm/s")
LN	79962-7	Aortic valve mean gradient		C4050483	(mm[Hg], UCUM, "mmHg")
LN	79963-5	Aortic valve peak instantaneous gradient		C4050482	(mm[Hg], UCUM, "mmHg")
LN	79964-3	Aortic valve Vmax		C4069743	(cm/s, UCUM, "cm/s")
LN	79965-0	Aortic valve VTI		C4069742	(cm, UCUM, "cm")
LN	79966-8	Ascending Aorta Dimension		C4069741	(cm, UCUM, "cm")
LN	79967-6	Inferior vena cava diameter		C4069740	(cm, UCUM, "cm")
LN	79968-4	Interventricular septum diastolic dimension MM		C4069739	(cm, UCUM, "cm")
LN	79969-2	Interventricular septum diastolic dimension 2D		C4069738	(cm, UCUM, "cm")
LN	79970-0	Interventricular septum systolic dimension MM		C4069737	(cm, UCUM, "cm")
LN	79971-8	Interventricular septum systolic dimension 2D		C4069736	(cm, UCUM, "cm")
LN	79972-6	Interventricular septum time to peak displacement		C4069735	(ms, UCUM, "ms")
LN	79973-4	Left atrial end systolic area 2C		C4069734	(cm2, UCUM, "cm2")
LN	79974-2	Left atrial end systolic area 4C		C4069733	(cm2, UCUM, "cm2")
LN	79975-9	Left atrial end systolic diameter (AP) 2D		C4069732	(cm, UCUM, "cm")
LN	79976-7	Left atrial end systolic diameter (AP) 2D / BSA		C4069731	(cm/m2, UCUM, "cm/m2")
LN	79977-5	Left atrial end systolic diameter (AP) MM		C4069730	(cm, UCUM, "cm")
LN	79978-3	Left atrial end systolic diameter (AP) MM / BSA		C4069729	(cm/m2, UCUM, "cm/m2")
LN	79979-1	Left atrial end systolic length 2C		C4069728	(cm, UCUM, "cm")
LN	79980-9	Left atrial end systolic length 4C		C4069727	(cm, UCUM, "cm")
LN	79981-7	Left atrial end systolic volume biplane (area-length)		C4069726	(ml, UCUM, "ml")
LN	79982-5	Left atrial end systolic volume biplane (area-length) / BSA		C4069725	(ml/m2, UCUM, "ml/m2")
LN	79983-3	Left atrial end systolic volume biplane (MOD)		C4069724	(ml, UCUM, "ml")
LN	79984-1	Left atrial end systolic volume biplane (MOD) / BSA		C4069723	(ml/m2, UCUM, "ml/m2")
LN	79985-8	Left atrial end systolic volume single plane 2C (MOD)		C4069722	(ml, UCUM, "ml")
LN	79986-6	Left atrial end systolic volume single plane 4C (MOD)		C4069721	(ml, UCUM, "ml")

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
LN	79987-4	Left pulmonary artery diameter		C4069720	(cm, UCUM, "cm")
LN	79988-2	Left venticular posterior wall time to peak displacement		C4069719	(ms, UCUM, "ms")
LN	79989-0	Left ventricular pre-ejection period		C4050481	(ms, UCUM, "ms")
LN	77891-0	Left ventricular ejection fraction (Teichholz) 2D		C4036567	(%, UCUM, "%")
LN	18049-7	Left ventricular ejection fraction (Teichholz) MM		C0801098	(%, UCUM, "%")
LN	79990-8	Left ventricular ejection fraction 3D		C4069718	(%, UCUM, "%")
LN	79991-6	Left ventricular ejection fraction biplane (MOD)		C4069717	(%, UCUM, "%")
LN	79992-4	Left ventricular ejection fraction single plane 2C (MOD)		C4069716	(%, UCUM, "%")
LN	79993-2	Left ventricular ejection fraction single plane 4C (MOD)		C4069715	(%, UCUM, "%")
LN	79994-0	Left ventricular end diastolic length 4C		C4069714	(cm, UCUM, "cm")
LN	79995-7	Left ventricular end diastolic volume (3D)		C4069713	(ml, UCUM, "ml")
LN	79996-5	Left ventricular end diastolic volume biplane (MOD)		C4069712	(ml, UCUM, "ml")
LN	79997-3	Left ventricular end diastolic volume biplane (MOD) / BSA		C4069711	(ml/m2, UCUM, "ml/m2")
LN	79998-1	Left ventricular end diastolic volume single plane 2C (MOD)		C4069710	(ml, UCUM, "ml")
LN	79999-9	Left ventricular end diastolic volume single plane 4C (MOD)		C4069700	(ml, UCUM, "ml")
LN	80000-3	Left ventricular end systolic volume (3D)		C4069699	(ml, UCUM, "ml")
LN	80001-1	Left ventricular end systolic volume biplane (MOD)		C4069698	(ml, UCUM, "ml")
LN	80002-9	Left ventricular end systolic volume biplane (MOD) / BSA		C4069697	(ml/m2, UCUM, "ml/m2")
LN	80003-7	Left ventricular end systolic volume single plane 2C (MOD)		C4069696	(ml, UCUM, "ml")
LN	80004-5	Left ventricular end systolic volume single plane 4C (MOD)		C4069695	(ml, UCUM, "ml")
LN	80005-2	Left ventricular endocardial area SAX PM level		C4069694	(cm2, UCUM, "cm2")
LN	80006-0	Left ventricular epicardial area SAX PM level		C4069693	(cm2, UCUM, "cm2")
LN	29434-8	Left ventricular fractional shortening (of minor axis) (2D)		C0945750	(%, UCUM, "%")
LN	29435-5	Left ventricular fractional shortening (of minor axis) (MM)		C0944886	(%, UCUM, "%")

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
LN	80007-8	Left ventricular internal diastolic dimension - 2D		C4069692	(cm, UCUM, "cm")
LN	80008-6	Left ventricular internal diastolic dimension - MM		C4069691	(cm, UCUM, "cm")
LN	80009-4	Left ventricular internal diastolic dimension / BSA		C4069690	(cm/m2, UCUM, "cm/m2")
LN	80010-2	Left ventricular internal diastolic dimension / BSA		C4069689	(cm/m2, UCUM, "cm/m2")
LN	80011-0	Left ventricular internal systolic dimension - 2D		C4069688	(cm, UCUM, "cm")
LN	80012-8	Left ventricular internal systolic dimension - MM		C4069687	(cm, UCUM, "cm")
LN	80013-6	Left ventricular internal systolic dimension / BSA		C4069686	(cm/m2, UCUM, "cm/m2")
LN	80014-4	Left ventricular internal systolic dimension / BSA		C4069685	(cm/m2, UCUM, "cm/m2")
LN	18071-1	Left ventricular isovolumic relaxation time by Doppler		C0801120	(ms, UCUM, "ms")
LN	80015-1	Left ventricular isovolumic relaxation time by TDI		C4069684	(ms, UCUM, "ms")
LN	80016-9	Left ventricular mass (area-length)		C4069683	(g, UCUM, "g")
LN	80017-7	Left ventricular mass (area-length) / BSA		C4069682	(g/m2, UCUM, "g/m2")
LN	80018-5	Left ventricular mass (area-length) / height^^2.7		C4069681	(g/m2.7, UCUM, "g/m2.7")
LN	80019-3	Left ventricular mass (dimension method) 2D		C4069680	(g, UCUM, "g")
LN	80020-1	Left ventricular mass (dimension method) 2D / BSA		C4069679	(g/m2, UCUM, "g/m2")
LN	80021-9	Left ventricular mass (dimension method) 2D / height^^2.7		C4069678	(g/m2.7, UCUM, "g/m2.7")
LN	80022-7	Left ventricular mass (dimension method) MM		C4266236	(g, UCUM, "g")
LN	80023-5	Left ventricular mass (dimension method) MM / BSA		C4069671	(g/m2, UCUM, "g/m2")
LN	80024-3	Left ventricular mass (dimension method) MM / height^^2.7		C4069670	(g/m2.7, UCUM, "g/m2.7")
LN	80025-0	Left ventricular mass (truncated ellipse)		C4069669	(g, UCUM, "g")
LN	80026-8	Left ventricular mass (truncated ellipse) / BSA		C4069668	(g/m2, UCUM, "g/m2")
LN	80027-6	Left ventricular mass (truncated ellipse) / height^^2.7		C4069667	(g/m2.7, UCUM, "g/m2.7")
LN	80028-4	Left ventricular outflow tract dimension (2D)		C4069666	(cm, UCUM, "cm")
LN	80029-2	Left ventricular outflow tract Vmax		C4069665	(cm/s, UCUM, "cm/s")

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
LN	80030-0	Left ventricular outflow tract VTI		C4069664	(cm, UCUM, "cm")
LN	80031-8	Left ventricular posterior wall diastolic thickness		C4069663	(cm, UCUM, "cm")
LN	80032-6	Left ventricular posterior wall diastolic thickness		C4069662	(cm, UCUM, "cm")
LN	80033-4	Left ventricular posterior wall systolic thickness		C4069661	(cm, UCUM, "cm")
LN	80034-2	Left ventricular posterior wall systolic thickness		C4069660	(cm, UCUM, "cm")
LN	80035-9	Left ventricular stroke volume 3D		C4069659	(ml, UCUM, "ml")
LN	80036-7	LV basal anterior time to S Vmax (Ts-basal anterior)		C4069658	(ms, UCUM, "ms")
LN	80037-5	LV basal anteroseptal time to S Vmax (TS-basal anteroseptal)		C4069657	(ms, UCUM, "ms")
LN	80038-3	LV basal inferior time to S Vmax (Ts-basal inferior)		C4069656	(ms, UCUM, "ms")
LN	80039-1	LV basal lateral time to S Vmax (Ts-basal lateral)		C4069655	(ms, UCUM, "ms")
LN	80040-9	LV basal posterior time to S Vmax (Ts-basal posterior)		C4069654	(ms, UCUM, "ms")
LN	80041-7	LV basal septal time to S Vmax (Ts-basal septal)		C4069653	(ms, UCUM, "ms")
LN	80042-5	LV mid anterior time to S Vmax (Ts-mid anterior)		C4069652	(ms, UCUM, "ms")
LN	80043-3	LV mid anteroseptal time to S Vmax (Ts-mid anteroseptal)		C4069651	(ms, UCUM, "ms")
LN	80044-1	LV mid inferior time to S Vmax (Ts-mid inferior)		C4069650	(ms, UCUM, "ms")
LN	80045-8	LV mid lateral time to S Vmax (Ts-mid lateral)		C4069649	(ms, UCUM, "ms")
LN	80046-6	LV mid posterior time to S Vmax (Ts-mid posterior)		C4069648	(ms, UCUM, "ms")
LN	80047-4	LV mid septal time to S Vmax (Ts-mid septal)		C4069647	(ms, UCUM, "ms")
LN	80048-2	LV Ts-SD (Dyssynchrony Index)		C4069646	(ms, UCUM, "ms")
LN	80049-0	Main pulmonary artery diameter		C4069645	(cm, UCUM, "cm")
LN		Main pulmonary artery Vmax			(cm/s, UCUM, "cm/s")
LN	80050-8	Mitral annulus diastolic diameter - A2C		C4069644	(cm, UCUM, "cm")
LN	80051-6	Mitral annulus diastolic diameter - A4C		C4069643	(cm, UCUM, "cm")
LN	80052-4	Mitral annulus diastolic diameter - PLAX		C4069642	(cm, UCUM, "cm")
LN	80053-2	Mitral annulus VTI		C4069641	(cm, UCUM, "cm")
LN	80054-0	Mitral lateral e-prime Vmax		C4069640	(cm/s, UCUM, "cm/s")

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
LN	80057-3	Mitral regurgitant flow (PISA)		C4069637	(ml/s, UCUM, "ml/s")
LN	80055-7	Mitral regurgitant fraction (Continuity VTI)		C4069639	(%, UCUM, "%")
LN	80056-5	Mitral regurgitant fraction (PISA)		C4069638	(%, UCUM, "%")
LN	80058-1	Mitral regurgitation peak gradient		C4069636	(mm[Hg], UCUM, "mmHg")
LN	80059-9	Mitral regurgitation PISA radius		C4069635	(cm, UCUM, "cm")
LN	80060-7	Mitral regurgitation PISA velocity		C4069634	(cm/s, UCUM, "cm/s")
LN	80061-5	Mitral regurgitation vena contracta width		C4069633	(cm, UCUM, "cm")
LN	80062-3	Mitral regurgitation Vmax		C4069632	(cm/s, UCUM, "cm/s")
LN	80063-1	Mitral regurgitation volume (Continuity VTI)		C4069631	(ml, UCUM, "ml")
LN	80064-9	Mitral regurgitation volume (PISA)		C4069630	(ml, UCUM, "ml")
LN	79911-4	Mitral septal e-prime Vmax		C4069780	(cm/s, UCUM, "cm/s")
LN	80067-2	Mitral valve area (PISA)		C4069709	(cm2, UCUM, "cm2")
LN	80068-0	Mitral valve area (Planimetry)		C4069708	(cm2, UCUM, "cm2")
LN	80069-8	Mitral valve area (Pressure Half-Time)		C4069707	(cm2, UCUM, "cm2")
LN	80065-6	Mitral valve A-wave duration		C4069629	(ms, UCUM, "ms")
LN	80066-4	Mitral valve A-wave Vmax		C4069628	(cm/s, UCUM, "cm/s")
LN	78191-4	Mitral valve deceleration time		C4071233	(ms, UCUM, "ms")
LN	80071-4	Mitral valve effective regurgitant orifice area (PISA)		C4069627	(cm2, UCUM, "cm2")
LN	18038-0	Mitral valve E-to-A ratio		C0801087	(1, UCUM, "no units")
LN	80070-6	Mitral valve E-wave Vmax		C4069706	(cm/s, UCUM, "cm/s")
LN	80072-2	Mitral valve flow propagation velocity (Vp)		C4069626	(cm/s, UCUM, "cm/s")
LN	80073-0	Mitral valve mean gradient		C4069625	(mm[Hg], UCUM, "mmHg")
LN	80074-8	Mitral valve peak instantaneous gradient		C4069624	(mm[Hg], UCUM, "mmHg")
LN	79912-2	Mitral valve pressure half-time		C4069779	(ms, UCUM, "ms")
LN	79913-0	Mitral valve Vmax		C4069778	(cm/s, UCUM, "cm/s")
LN	79914-8	Mitral valve VTI		C4069777	(cm, UCUM, "cm")
LN	78184-9	Pulmonary vein A-wave duration		C4071240	(ms, UCUM, "ms")
LN	79915-5	Pulmonary vein A-wave Vmax		C4069776	(cm/s, UCUM, "cm/s")
LN	79916-3	Pulmonary vein D-wave Vmax		C4069775	(cm/s, UCUM, "cm/s")
LN	79917-1	Pulmonary vein S-wave Vmax		C4069774	(cm/s, UCUM, "cm/s")
LN	79909-8	Pulmonic annulus diameter		C4069782	(cm, UCUM, "cm")
LN	79934-6	Pulmonic regurgitation end diastolic peak gradient		C4071399	(mm[Hg], UCUM, "mmHg")

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
LN	79918-9	Pulmonic regurgitation end diastolic velocity		C4069773	(cm/s, UCUM, "cm/s")
LN	79919-7	Pulmonic regurgitation Vmax		C4069772	(cm/s, UCUM, "cm/s")
LN	79928-8	Pulmonic valve acceleration time		C4069763	(ms, UCUM, "ms")
LN	18042-2	Pulmonic valve ejection time		C0801091	(ms, UCUM, "ms")
LN	79935-3	Pulmonic valve peak gradient		C4071398	(mm[Hg], UCUM, "mmHg")
LN	79920-5	Pulmonic valve Vmax		C4069771	(cm/s, UCUM, "cm/s")
LN	79910-6	Pulmonic valve VTI		C4069781	(cm, UCUM, "cm")
LN	80075-5	Right atrial end systolic area 4C		C4069623	(cm2, UCUM, "cm2")
LN	80076-3	Right atrial major axis dimension 4C		C4069622	(cm, UCUM, "cm")
LN	80077-1	Right atrial minor axis dimension 4C		C4069621	(cm, UCUM, "cm")
LN	80078-9	Right atrial minor axis dimension 4C / BSA		C4069620	(cm/m2, UCUM, "cm/m2")
LN	80079-7	Right pulmonary artery diameter		C4069619	(cm, UCUM, "cm")
LN	80080-5	Right ventricular basal dimension 4C		C4069618	(cm, UCUM, "cm")
LN	79929-6	Right ventricular ejection time		C4069762	(ms, UCUM, "ms")
LN	80081-3	Right ventricular end diastolic area 4C		C4069617	(cm2, UCUM, "cm2")
LN	80082-1	Right ventricular end systolic area 4C		C4069616	(cm2, UCUM, "cm2")
LN	79936-1	Right ventricular fractional area change		C4071397	(%, UCUM, "%")
LN	80083-9	Right ventricular free wall thickness 2D		C4069615	(cm, UCUM, "cm")
LN	80084-7	Right ventricular free wall thickness MM		C4069614	(cm, UCUM, "cm")
LN	80085-4	Right ventricular mid-cavity dimension 4C		C4069613	(cm, UCUM, "cm")
LN	80086-2	Right ventricular myocardial performance index		C4069612	(1, UCUM, "no units")
LN	80087-0	Right ventricular outflow tract diameter at pulmonic valve (RVOT-Distal)		C4069611	(cm, UCUM, "cm")
LN	80088-8	Right ventricular outflow tract diameter at subvalvular level (RVOT-Proximal)		C4069610	(cm, UCUM, "cm")
LN	80089-6	Right ventricular outflow tract VTI		C4069609	(cm, UCUM, "cm")
LN	80090-4	Right ventricular pre-ejection period		C4069608	(ms, UCUM, "ms")
LN	77903-3	Tricuspid Annular Plane Systolic Excursion (TAPSE)		C4036560	(cm, UCUM, "cm")
LN	80091-2	Tricuspid annulus diameter		C4069607	(cm, UCUM, "cm")
LN	79937-9	Tricuspid regurgitation peak gradient		C4070183	(mm[Hg], UCUM, "mmHg")
LN	79932-0	Tricuspid regurgitation PISA radius		C4069759	(cm, UCUM, "cm")

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
LN	79933-8	Tricuspid regurgitation vena contracta width		C4071400	(cm, UCUM, "cm")
LN	79921-3	Tricuspid regurgitation Vmax		C4069770	(cm/s, UCUM, "cm/s")
LN	79922-1	Tricuspid valve a-prime Vmax		C4069769	(cm/s, UCUM, "cm/s")
LN	79923-9	Tricuspid valve A-wave Vmax		C4069768	(cm/s, UCUM, "cm/s")
LN	79930-4	Tricuspid valve closure to opening time		C4069761	(ms, UCUM, "ms")
LN	79931-2	Tricuspid valve deceleration time		C4069760	(ms, UCUM, "ms")
LN	18175-0	Tricuspid valve diastolic VTI		C0801224	(cm, UCUM, "cm")
LN	79924-7	Tricuspid valve e-prime Vmax		C4069767	(cm/s, UCUM, "cm/s")
LN	79925-4	Tricuspid valve E-wave Vmax		C4069766	(cm/s, UCUM, "cm/s")
LN	79938-7	Tricuspid valve mean gradient		C4070182	(mm[Hg], UCUM, "mmHg")
LN	79939-5	Tricuspid valve peak gradient		C4070181	(mm[Hg], UCUM, "mmHg")
LN	18032-3	Tricuspid valve pressure half-time		C0801081	(ms, UCUM, "ms")
LN	79926-2	Tricuspid valve s-prime Vmax		C4069765	(cm/s, UCUM, "cm/s")
LN	79927-0	Tricuspid valve Vmax		C4069764	(cm/s, UCUM, "cm/s")

CID 12301 Measurement Selection Reasons

The codes in this Context Group describe the reason that a value was selected as the preferred value. E.g. (121411, DCM, "Most Recent Value Chosen") means that the value was selected as preferred because the value was the most recent value.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20161109**
UID: **1.2.840.10008.6.1.1142**

Table CID 12301. Measurement Selection Reasons

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	56851009	Maximum	G-A437	C0205289
SCT	255605001	Minimum	R-404FB	C0547040
DCM	121410	User chosen value		
DCM	121411	Most recent value chosen		
DCM	121412	Mean value chosen		

CID 12302 Echo Finding Observation Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20161109**
UID: **1.2.840.10008.6.1.1143**

Table CID 12302. Echo Finding Observation Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	125311	Structure of the Finding Site		
DCM	125312	Behavior of the Finding Site		
SCT	44324008	Hemodynamic Measurements	PA-50030	C0204901

CID 12303 Echo Measurement Types

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20161109**
UID: **1.2.840.10008.6.1.1144**

Table CID 12303. Echo Measurement Types

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	125313	Indexed		
SCT	118586006	Ratio	G-D750	C0456603
DCM	125314	Fractional Change		
DCM	125315	Calculated		
DCM	113857	Manual Entry		
DCM	125316	Directly measured		

CID 12304 Echo Measured Properties

The Units column contains the proper UCUM representation of the recommended units for the measured property

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20161109**
UID: **1.2.840.10008.6.1.1145**

Table CID 12304. Echo Measured Properties

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
LN	20168-1	Acceleration Time		C0802983	(ms, UCUM, "ms")
LN	59130-5	Alias Velocity		C2923486	(m/s, UCUM, "m/s")
SCT	1483009	Angle	G-A160	C0205143	(deg, UCUM, "deg"
SCT	42798000	Area	G-A166	C0205146	(cm2, UCUM, "cm2")
SCT	75367002	Blood Pressure	F-31000	C0005823	(mm[Hg], UCUM, "mmHg")
SCT	70822001	Cardiac Ejection Fraction	F-32070	C0232174	(%, UCUM, "%")
LN	20217-6	Deceleration Time		C0803032	(ms, UCUM, "ms")
SCT	81827009	Diameter	M-02550	C1301886	(cm, UCUM, "cm")
LN	59120-6	dP/dt by US		C2923468	(mm[Hg]/s, UCUM, "mmHg/s")
SCT	385673002	Interval	G-D217	C1272706	(ms, UCUM, "ms")
DCM	125325	Dyssynchrony Index			(ms, UCUM, "ms")

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units
DCM	125326	Effective Orifice Area			(cm2, UCUM, "cm2")
LN	59093-5	Epicardial Area		C2923421	(cm2, UCUM, "cm2")
DCM	125327	Excursion Distance			(cm, UCUM, "cm")
LN	59132-1	Fractional Shortening		C2923490	(%, UCUM, "%")
SCT	410668003	Length	G-D7FE	C1444754	(cm, UCUM, "cm")
SCT	118538004	Mass	G-D701	C1306372	(g, UCUM, "g")
DCM	125328	Maximum Orifice Area			(cm2, UCUM, "cm2")
SCT	6797001	Mean Blood Pressure	F-31150	C0428886	(mm[Hg], UCUM, "mmHg")
LN	20256-4	Mean Gradient [Pressure] by Doppler		C0803071	(mm[Hg], UCUM, "mmHg")
LN	20352-1	Mean Blood Velocity		C0803167	(m/s, UCUM, "m/s")
SCT	131188004	Minor Axis	G-A194	C1295724	(cm, UCUM, "cm")
LN	59099-2	Myocardial Performance Index (Tei)		C2923433	(1, UCUM, "no units")
LN	20247-3	Peak Gradient [Pressure]		C0803062	(mm[Hg], UCUM, "mmHg")
LN	34141-2	Peak Instantaneous Flow Rate		C1316604	(ml/s, UCUM, "ml/s")
DCM	125329	Peak Blood Pressure			(mm[Hg], UCUM, "mmHg")
LN	11726-7	Peak Blood Velocity		C0551845	(m/s, UCUM, "m/s")
DCM	125330	Peak Tissue Velocity			(cm/s, UCUM, "cm/s")
DCM	125331	PISA Radius			(cm, UCUM, "cm")
LN	20280-4	Pressure Half Time		C0803095	(ms, UCUM, "ms")
SCT	399301000	Regurgitant Fraction	G-0390	C1302309	(%, UCUM, "%")
DCM	125332	Regurgitation Jet Area			(cm2, UCUM, "cm2")
DCM	125333	Regurgitation Jet Width			(cm, UCUM, "cm")
LN	59090-1	Internal Dimension		C2923417	(cm, UCUM, "cm")
LN	59089-3	Thickness		C2923416	(cm, UCUM, "cm")
SCT	90096001	Stroke Volume	F-32120	C0038455	(ml, UCUM, "ml")
SCT	251271006	Vascular Resistance	F-02692	C0429119	(dyn.s/cm5, UCUM, "dyn.s/cm5")
LN	20354-7	Velocity Time Integral		C0803169	(cm, UCUM, "cm")
DCM	125334	Vena Contracta Width			(cm, UCUM, "cm")
SCT	118565006	Volume	G-D705	C0449468	(ml, UCUM, "ml")
LN	33878-0	Volume Flow Rate		C1316341	(ml/s, UCUM, "ml/s")

CID 12305 Basic Echo Anatomic Sites

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20161109**
UID: **1.2.840.10008.6.1.1146**

Table CID 12305. Basic Echo Anatomic Sites

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	8128003	Aortic Root	T-42110	C0549113
SCT	443167003	Aortic Sinotubular Junction	T-42102	C2733424
SCT	34202007	Aortic Valve	T-35400	C0003501
SCT	77583004	Aortic Valve Ring	T-35410	C0225957
SCT	54247002	Ascending Aorta	T-42100	C0003956
SCT	64131007	Inferior vena cava	T-48710	C0042458
SCT	589001	Interventricular septum	T-32410	C0225870
SCT	399086000	Lateral Mitral Annulus	G-0392	C1302198
SCT	82471001	Left Atrium	T-32300	C0225860
SCT	50408007	Left Pulmonary Artery	T-44400	C0226069
SCT	87878005	Left Ventricle	T-32600	C0225897
SCT	264850008	Left ventricle basal anterior segment	T-32619	C0555926
SCT	396654005	Left ventricle basal anterolateral segment	R-1007A	C1300911
SCT	396482007	Left ventricle basal anteroseptal segment	R-10075	C1300766
SCT	264846001	Left ventricle basal inferior segment	T-32615	C0555929
SCT	396652009	Left ventricle basal inferolateral segment	R-10079	C1300909
SCT	396646008	Left ventricle basal inferoseptal segment	R-10076	C1300903
SCT	264848000	Left ventricle mid anterior segment	T-32617	C0555925
SCT	396656007	Left ventricle mid anterolateral segment	R-1007C	C1300913
SCT	396647004	Left ventricle mid anteroseptal segment	R-10077	C1300904
SCT	264847005	Left ventricle mid inferior segment	T-32616	C0555924
SCT	396655006	Left ventricle mid inferolateral segment	R-1007B	C1300912
SCT	396649001	Left ventricle mid inferoseptal segment	R-10078	C1300906
SCT	49848007	Left Ventricle Myocardium	T-32620	C0225899
SCT	13418002	Left Ventricle Outflow Tract	T-32650	C0225912
SCT	399093001	Medial Mitral Annulus	G-0391	C1302199
SCT	65197004	Mitral Annulus	T-35310	C0225947
SCT	91134007	Mitral Valve	T-35300	C0026264
SCT	81040000	Pulmonary Artery	T-44000	C0034052
SCT	430757002	Pulmonary Vein	T-4858F	C2317442
SCT	90318009	Pulmonic Ring	T-35210	C0225935
SCT	39057004	Pulmonic Valve	T-35200	C0034086
SCT	73829009	Right Atrium	T-32200	C0225844
SCT	78480002	Right Pulmonary Artery	T-44200	C0226054

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	53085002	Right Ventricle	T-32500	C0225883
DCM	125319	Right Ventricle Anterior Wall		
SCT	277634007	Right Ventricle Midventricular Segment	T-32503	C0456872
SCT	44627009	Right Ventricle Outflow Tract	T-32550	C0225892
DCM	125317	Right Ventricle Outflow Tract, Distal		
DCM	125318	Right Ventricle Outflow Tract, Proximal		
SCT	277635008	Right Ventricle Basal Segment	T-32504	C0456873
SCT	113259005	Tricuspid Annulus	T-35110	C0225926
SCT	46030003	Tricuspid Valve	T-35100	C0040960
SCT	45341000	Trunk of pulmonary artery	T-44100	C0034052

CID 12306 Echo Flow Directions

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Version: **20161109**
UID: **1.2.840.10008.6.1.1147**

Table CID 12306. Echo Flow Directions

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	263677008	Antegrade Direction	R-42047	C0589502
SCT	312004007	Retrograde Direction	R-42E61	C0439784

CID 12307 Cardiac Phases and Time Points

The following codes are intended for use in a post-coordinated context. For example, the E-wave refers to the period of diastolic rapid inflow as experienced at the post-coordinated finding site, such as the mitral valve or the tricuspid valve.

The table is organized in time sequence based on the start of the coded period.

As indicated in Annex G, the e-prime period used for tissue velocity measurements is synonymous with the E-wave period used for blood velocity measurements.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Extensible**
Version: **20161109**
UID: **1.2.840.10008.6.1.1148**

Table CID 12307. Cardiac Phases and Time Points

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	125320	Electromechanical Delay		
DCM	125321	Pre-ejection Period		
SCT	111973004	Systole	F-32020	C0039155
SCT	444379001	Ventricular Isovolumic Contraction	R-40B12	C2732703
SCT	444371003	Ventricular Ejection (S-wave)	R-40B11	C2733340

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	416430001	End Systole	R-FAB5B	C1563001
SCT	90892000	Diastole	F-32010	C0012000
SCT	444361000	Ventricular Isovolumic Relaxation	R-40B10	C2733323
DCM	125322	Atrial Diastolic Filling (D-wave)		
SCT	444392003	Diastolic Rapid Inflow (E-wave)	R-40B1C	C2732785
SCT	444469002	Diastasis	R-40B21	C2733177
SCT	59972007	Atrial Systole (A-wave)	F-32030	C0520865
DCM	125323	AR-wave		
SCT	255254001	End Diastole	F-32011	C0442709
DCM	125324	Full Cardiac Cycle		

C Acquisition Context Module, Protocol and Workflow Context Templates (Normative)

This Annex specifies the content of Templates for Acquisition, Protocol and Workflow Context required by DICOM IODs.

Templates for Acquisition, Protocol and Workflow Context

TID 3401 ECG Acquisition Context

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 3401. ECG Acquisition Context

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	DT (10:11345, MDC, "Lead System")	1	U		BCID 3263 “Electrode Placement Values”
2	CODE	DT (109054, DCM, "Patient State")	1	U		BCID 3262 “ECG Patient State Values”
3	NUMERIC	DT (109055, DCM, "Protocol Stage")	1	U		UNITS = EV ({stage}, UCUM, "stage")
4	CODE	DT (109056, DCM, "Stress Protocol")	1	U		BCID 3261 “Stress Protocols”
5	NUMERIC	DCID 3690 “ECG Control Variables Numeric”	1-n	U		
6	TEXT	DCID 3691 “ECG Control Variables Text”	1-n	U		

TID 3403 Catheterization Acquisition Context

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 3403. Catheterization Acquisition Context

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	EV (129085009, SCT, "Catheterization Procedure Phase")	1	U		BCID 3250 “Catheterization Procedure Phase”
2	CODE	EV (109058, DCM, "Contrast Phase")	1	U		BCID 3600 “Relative Times”
3	CODE	EV (109059, DCM, "Physiological challenges")	1	U		BCID 3271 “Hemodynamic Physiological Challenges”
4	NUMERIC	EV (109060, DCM, "Procedure Step Number")	1	U		UNITS = EV ({step}, UCUM, "step")
5	TEXT	EV (121124, DCM, "Procedure Action ID")	1	U		

Note

See TID 3100 “Procedure Action” in Annex A for description of Procedure Action ID used in Row 5.

TID 3450 Cardiac Electrophysiology Acquisition Context

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 3450. Cardiac Electrophysiology Acquisition Context

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	EV (109061, DCM, "EP Procedure Phase")	1	U		BCID 3254 “Electrophysiology Procedure Phase”
2	NUM	EV (109060, DCM, "Procedure Step Number")	1	U		UNITS = EV ({step}, UCUM, "step")
3	TEXT	EV (109063, DCM, "Pulse train definition")	1	U		

TID 3460 Projection Radiography Acquisition Context

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 3460. Projection Radiography Acquisition Context

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	DT (364644000, SCT, "Functional observable")	1-n	U		BCID 91 “Functional Condition Present During Acquisition”
2	CODE	DT (364062005, SCT, "Respiration Observable")	1	U		BCID 3823 “Respiratory Status”
3	CODE	DT (276334009, SCT, "Joint position")	1	U		BCID 92 “Joint Position During Acquisition”
4	CODE	DT (109132, DCM, "Joint positioning method")	1	U		BCID 93 “Joint Positioning Method”
5	CODE	DT (109133, DCM, "Physical force")	1-n	U		BCID 94 “Physical Force Applied During Acquisition”

TID 3470 NM/PET Acquisition Context

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 3470. NM/PET Acquisition Context

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	DT (109054, DCM, "Patient State")	1	M		DCID 3101 “Cardiac Procedural State Values”
2	INCLUDE	BTID 3471 “PET Covariates Acquisition Context”	1	U		

TID 3471 PET Covariates Acquisition Context

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 3471. PET Covariates Acquisition Context

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	NUMERIC	(14749-6, LN, "Glucose")	1	U		UNITS = EV (mmol/l, UCUM, "mmol/l")
2	DATE	(127857, DCM, "Glucose Measurement Date")	1	MC	IFF Row 1 is present and does not contain Observation DateTime (0040,A032)	
3	TIME	(127858, DCM, "Glucose Measurement Time")	1	MC	IFF Row 1 is present and does not contain Observation DateTime (0040,A032)	

Content Item Descriptions

Row 2	Glucose Measurement Date	In an earlier edition of the Standard, an incorrect DCM code was used for this concept, which was already assigned as (109081, DCM, "Prospective gating").
Row 3	Glucose Measurement Time	In an earlier edition of the Standard, an incorrect DCM code was used for this concept, which was already assigned as (109082, DCM, "Retrospective gating").

TID 8001 Specimen Preparation

This Template describes a single specimen preparation step.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 8001. Specimen Preparation

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	TEXT	EV (121041, DCM, "Specimen Identifier")	1	M		
2	TEXT	EV (111724, DCM, "Issuer of Specimen Identifier")	1	U		
3	CODE	EV (111701, DCM, "Processing type")	1	M		DCID 8111 “Specimen Preparation Procedure”
4	DATETIME	DT (111702, DCM, "DateTime of processing")	1	U		
5	TEXT	DT (111703, DCM, "Processing step description")	1	U		
6	CODE	DT (111703, DCM, "Processing step description")	1	U		DCID 8113 “Specimen Preparation Steps”
7	CODE	DT (17636008, SCT, "Specimen Collection")	1	MC	IFF Row 3 Processing Type value is (17636008, SCT, "Specimen Collection")	BCID 8109 “Specimen Collection Procedure”
8	INCLUDE	DTID 8002 “Specimen Sampling”	1	MC	IFF Row 3 Processing Type value is (433465004, SCT, "Specimen Sampling")	

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9	INCLUDE	DTID 8003 “Specimen Staining”	1	MC	IFF Row 3 Processing type value is (127790008, SCT, "Staining")	
10	CODE	DT (430864009, SCT, "Tissue Fixative")	1	U		BCID 8114 “Specimen Fixatives”
11	CODE	DT (430863003, SCT, "Embedding medium")	1	U		BCID 8115 “Specimen Embedding Media”

Content Item Descriptions

Row 1	For sampling steps (which create a child specimen from a parent), the ID is that of the child specimen. For other preparation steps, the ID of a specimen does not change during the processing.
Row 2	The issuer shall be formatted in accordance with the HL7v2 Hierarchic Designator Data Type. That format is [*Namespace ID*]^[*Universal ID*^ *Universal ID Type*], where *Namespace ID*identifies an entity within the local namespace or domain, *Universal ID*is a universal or unique identifier for an entity, and *Universal ID Type*specifies the standard format of the Universal ID (see HL7 v2 Section 2.A.33).

TID 8002 Specimen Sampling

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 8002. Specimen Sampling

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	DT (111704, DCM, "Sampling Method")	1	M		BCID 8110 “Specimen Sampling Procedure”
2	TEXT	DT (111705, DCM, "Parent Specimen Identifier")	1	M		
3	TEXT	DT (111706, DCM, "Issuer of Parent Specimen Identifier")	1	U		
4	CODE	DT (111707, DCM, "Parent specimen type")	1	M		BCID 8103 “Anatomic Pathology Specimen Types”
5	TEXT	DT (111708, DCM, "Position Frame of Reference")	1	U		
6	TEXT	DT (111709, DCM, "Location of sampling site")	1	U		
7	NUMERIC	DT (111710, DCM, "Location of sampling site X offset")	1	U		
8	NUMERIC	DT (111711, DCM, "Location of sampling site Y offset")	1	U		
9	NUMERIC	DT (111712, DCM, "Location of sampling site Z offset")	1	U		
10	IMAGE	DT (111709, DCM, "Location of sampling site")	1	U		

Content Item Descriptions

Row 3	The Issuer of Specimen Identifier shall be formatted in accordance with the HL7 v2 Hierarchic Designator data type (see HL7 v2.6 Section 2.A.33), i.e., [*Namespace ID*]^[*Universal ID^Universal ID Type*]
Row 5	Description of coordinate system and origin reference point on parent specimen or parent specimen container used for localizing the sampling site
Rows 7-9	The X, Y and Z locations are used as needed to describe the sampling site; not all may be needed. E.g., resection from 10 cm along the colon may be described as only a Y dimension location.
Row 10	Reference to image of parent specimen localizing the sampling site; may include referenced Presentation State object

TID 8003 Specimen Staining

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 8003. Specimen Staining

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	DT (424361007, SCT, "Using substance")	1-n	MC	IF Row 2 not present	DCID 8112 “Specimen Stains”
2	TEXT	DT (424361007, SCT, "Using substance")	1	MC	IF Row 1 not present	

TID 8004 Specimen Localization

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 8004. Specimen Localization

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	TEXT	DT (111708, DCM, "Position Frame of Reference")	1	U		
2	TEXT	DT (111718, DCM, "Location of Specimen")	1	U		
3	NUMERIC	DT (111719, DCM, "Location of Specimen X offset")	1	U		
4	NUMERIC	DT (111720, DCM, "Location of Specimen Y offset")	1	U		
5	NUMERIC	DT (111721, DCM, "Location of Specimen Z offset")	1	U		
6	IMAGE	DT (111718, DCM, "Location of Specimen")	1	U		
7	COMPOSITE	DT (111718, DCM, "Location of Specimen")	1	U		Presentation State SOP Instance reference
8	TEXT	DT (111723, DCM, "Visual Marking of Specimen")	1	U		

Content Item Descriptions

Row 1	Description of coordinate system and origin reference point used for localizing the Specimen. The value "CURRENT IMAGE " identifies the frame of reference as the pixel space of the Image SOP Instance in which this Content Item occurs.

Row 2	Description of specimen location, either in absolute terms or relative to the Position Frame Reference of Row 1
Rows 3-5	Location of specimen (nominal center) relative to the Position Frame Reference of Row 1. The Content Items include the units of measurement (e.g., mm). If Row 1 value is "CURRENT IMAGE ", measurement shall be from the top left hand corner of the Pixel Data of the SOP Instance, using units of ({pixel}, UCUM, "Pixels").
Row 6	Reference to image of container localizing the specimen; may include referenced Presentation State object
Row 7	Reference to Presentation State object for this SOP Instance, with annotations localizing the specimen
Row 8	Description of visual distinguishing identifiers, e.g., ink, or a particular shape of the specimen

TID 8010 Slide Imaging Parameters

This Template describes protocol parameters for a Slide Imaging Procedure Step. As an extensible Template, additional items may be included using other concept names from standard or private coding schemes.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 8010. Slide Imaging Parameters

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	CODE	EV (112706, DCM, "Illumination Method")	1-n	U		DCID 8123 “Microscopy Illumination Method”
2	NUMERIC	EV (112707, DCM, "Number of focal planes")	1	UC	XOR Row 3	UNITS = EV ({planes}, UCUM, "planes")
3	CODE	EV (112707, DCM, "Number of focal planes")	1	UC	XOR Row 2	DT (112714, DCM, "Multiple planes")
4	NUMERIC	EV (112708, DCM, "Focal plane Z offset")	1-n	U		UNITS = EV (um, UCUM, "um")
5	CODE	EV (112709, DCM, "Magnification selection")	1	U		DCID 8132 “Magnification Selection”
6	NUMERIC	EV (112710, DCM, "Illumination wavelength")	1-n	U		UNITS = EV (nm, UCUM, "nm")
7	CODE	EV (112711, DCM, "Illumination spectral band")	1-n	U		DCID 8122 “Microscopy Illuminator and Sensor Color”
8	CODE	EV (112712, DCM, "Optical filter type")	1-n	U		DCID 8124 “Microscopy Filter”
9	CODE	EV (112713, DCM, "Tissue selection method")	1	U		DCID 8133 “Tissue Selection”

TID 8200 Radiology Reading Task Parameters

This Template describes parameters for a radiology reading task.

Note

Specialty to Read is nested inside Modality to Read in order to facilitate C-FIND matching against both Modality and Specialty.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 8200. Radiology Reading Task Parameters

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CODE	EV (128002, DCM, "Modality to Read")	1	U		DCID 29 “Acquisition Modality”
2	>	CODE	EV (128003, DCM, "Reader Specialty")	1	U		DCID 7449 “Reader Specialty”
3		CODE	EV (128004, DCM, "Modality to Read")	1-n	U		DCID 9233 “Requested Report Types”

TID 15100 Contrast Agent/Pre-Medication Protocol Context

This Template specifies medications to be administered prior to a diagnostic imaging protocol, imaging contrast agents to be used in the protocol, and/or bolus agents to be used in the protocol. Each medication or agent may be modified by a specified route of administration. The top level Content Items of this Template may appear in any order in the Protocol Context Sequence, hence the order in this Template is not significant. There may be significance in the order in which the Content Items are included in the Protocol Context Sequence, e.g., the requested order in which pre-medications are to be administered.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 15100. Contrast Agent/Pre-Medication Protocol Context

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CODE	EV (123011, DCM, "Contrast/Bolus Agent")	1-n	U		BCID 12 “Radiographic Contrast Agent”
2	>	CODE	EV (410675002, SCT, "Route of Administration")	1	U		BCID 11 “Route of Administration”
3		CODE	EV (123012, DCM, "Pre-Medication")	1-n	U		
4	>	CODE	EV (410675002, SCT, "Route of Administration")	1	U		BCID 11 “Route of Administration”

TID 15101 NM/PET Protocol Context

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 15101. NM/PET Protocol Context

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CODE	EV (417881006, SCT, "Radiopharmaceutical agent")	1	M		BCID 25 “Radiopharmaceuticals” BCID 4021 “PET Radiopharmaceutical”
2	>	CODE	EV (89457008, SCT, "Radionuclide)	1	U		BCID 18 “Isotopes in Radiopharmaceuticals” BCID 4020 “PET Radionuclide”

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	UIDREF	EV (113503, DCM, "Radiopharmaceutical Administration Event UID")	1	U		
4	>	DATETIME	EV (123003, DCM, "Radiopharmaceutical Start DateTime")	1	U		
5	>	DATETIME	EV (123004, DCM, "Radiopharmaceutical Stop DateTime")	1	U		
6	>	NUMERIC	EV (123005, DCM, "Radiopharmaceutical Volume")	1	U		UNITS = DT (cm3, UCUM, "cm3")
7	>	NUMERIC	EV (123006, DCM, "Radionuclide Total Dose")	1	U		UNITS = DT (Bq, UCUM, "Bq")
8	>	NUMERIC	EV (123007, DCM, "Radiopharmaceutical Specific Activity")	1	U		UNITS = DT (Bq/mol, UCUM, "Bq/mol")
9	>	CODE	EV (410675002, SCT, "Route of Administration")	1	U		BCID 11 “Route of Administration”
10	>	NUMERIC	EV (123009, DCM, "Radionuclide Syringe Counts")	1	U		UNITS = DT ({counts}/s, UCUM "counts/s")
11	>	NUMERIC	EV (123010, DCM, "Radionuclide Residual Syringe Counts")	1	U		UNITS = DT ({counts}/s, UCUM "counts/s")
12		NUMERIC	EV (14749-6, LN, "Glucose")	1	U		UNITS = EV (mmol/l, UCUM, "mmol/l")
13	>	DATE	EV (127857, DCM, "Glucose Measurement Date")	1	MC	IFF Row 12 is present and does not contain Observation DateTime (0040,A032)	
14	>	TIME	EV (127858, DCM, "Glucose Measurement Time")	1	MC	IFF Row 12 is present and does not contain Observation DateTime (0040,A032)	

Content Item Descriptions

Row 13	Glucose Measurement Date	In an earlier edition of the Standard, an incorrect DCM code was used for this concept, which was already assigned as (109081, DCM, "Prospective gating").
Row 14	Glucose Measurement Time	In an earlier edition of the Standard, an incorrect DCM code was used for this concept, which was already assigned as (109082, DCM, "Retrospective gating").

TID 15200 JJ1017 Protocol Context

This Template defines protocol context concepts to support the requirements of Japanese Guideline JJ1017. This is expected to be used with Scheduled or Performed Protocol Codes from Coding Scheme JJ1017-16M defined in Guideline JJ1017.

Type: **Extensible**
Order: **Significant**
Root: **No**

Table TID 15200. JJ1017 Protocol Context

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CODE	EV (123016, DCM, "Imaging Conditions")	1	M		Baseline terms from Coding Scheme JJ1017-16S of JJ1017 version 3.0

TID 15300 RT Prescription Annotation

The concepts in this TID are topics of advice or information provided by the prescribing physician for planning, preparation and delivery of treatment for a prescription.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 15300. RT Prescription Annotation

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	TEXT	EV (130022, DCM, "Radiation Characteristics Note")	1	U			
2	TEXT	EV (130023, DCM, "Beam Shaping Note")	1	U			
3	TEXT	EV (130024, DCM, "Treatment Planning Note")	1	U			
4	TEXT	EV (130025, DCM, "Special Procedure Note")	1	U			
5	TEXT	EV (130026, DCM, "Patient Positioning Note")	1	U			
6	TEXT	EV (130028, DCM, "Patient Setup Note")	1	U			
7	TEXT	EV (130029, DCM, "Previous Treatment Note")	1	U			
8	TEXT	EV (130030, DCM, "Planning Imaging Note")	1	U			
9	TEXT	EV (130031, DCM, "Delivery Verification Note")	1	U			
10	TEXT	EV (130032, DCM, "Simulation Note")	1	U			
11	CODE	DT (130033, DCM, "Radiation Therapy Particle")	1-n	U			BCID 9525 “Radiation Therapy Particle”
12	CODE	DT (130037, DCM, "Ion Therapy Particle")	1-n	U			BCID 9526 “Ion Therapy Particle”
13	CODE	DT (130038, DCM, "Brachytherapy Isotope")	1-n	U			BCID 9528 “Brachytherapy Isotope”
14	CODE	DT (130040, DCM, "Teletherapy Isotope")	1-n	U			BCID 9527 “Teletherapy Isotope”
15	NUMERIC	DT (130034, DCM, "RT Beam Energy")	1-n	U			UNITS=DCID 9521 “Radiotherapy Treatment Energy Unit”

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
16	CODE	DT (130035, DCM, "Patient Positioning Procedure Note")	1-n	U			BCID 9242 “Radiotherapy Acquisition Workitem Definition”
17	TEXT	EV (130036, DCM, "QA Process Note")	1	U			
18	TEXT	EV (130027, DCM, "4D Radiation Treatment Note")	1	U			
19	TEXT	EV (130039, DCM, "Adaptive Radiation Therapy Note")	1	U			

Content Item Descriptions

Rows 11, 12, 13, 14	The source of radiation to be used for this RT treatment. More than one source indicates that the RT treatment may use any combination for treatment. There is no defined relationship between the entries in Row 11, 12, 13, 14 and entries in the Rows 15 and 16.
Row 15	Including several energies indicates that they may be used in any combination.
Row 16	The codes identify procedures supporting the patient positioning process prior to RT treatment. Including several procedures indicates that they may be used in any combination.

TID 15301 RT Segment Characteristics

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 15301. RT Segment Characteristics

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		NUMERIC	EV (130082, DCM, "Relative Mass Density")	1	U		Units = EV (ratio, UCUM, "ratio")
2		NUMERIC	EV (130083, DCM, "Relative Electron Density")	1	U		Units = EV (ratio, UCUM, "ratio")
3		NUMERIC	EV (130084, DCM, "Effective Z")	1	U		Units = EV (1, UCUM, "no units")
4		NUMERIC	EV (130085, DCM, "Effective Z per A")	1	U		Units = EV (/u, UCUM, "/u")
5		NUMERIC	EV (130086, DCM, "Relative Linear Stopping Power")	1	U		Units = EV (ratio, UCUM, "ratio")
6	>	NUMERIC	EV (130087, DCM, "Reference Energy")	1	M		Units = EV (MeV, UCUM, "Megaelectronvolt")
7		NUMERIC	EV (130088, DCM, "Linear Cell Kill Factor")	1	U		Units = EV (ratio, UCUM, "ratio")
8		NUMERIC	EV (130089, DCM, "Quadratic Cell Kill Factor")	1	U		Units = EV (ratio, UCUM, "ratio")
9		NUMERIC	EV (130090, DCM, "High Dose Fraction Linear Cell Kill Factor")	1	U		Units = EV (ratio, UCUM, "ratio")
10		NUMERIC	EV (130091, DCM, "Half-time for Tissue Repair ")	1	U		Units = EV (s, UCUM, "second")

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
11		NUMERIC	EV (130092, DCM, "High Dose Fraction Transition Dose")	1	U		Units = EV (Gy, UCUM, "Gray")
12		NUMERIC	EV (130093, DCM, "Atomic Number")	1-n	U		Units = EV (1, UCUM, "no units")
13	>	NUMERIC	EV (130094, DCM, "Elemental Composition Atomic Mass Fraction")	1	M		Units = EV (ratio, UCUM, "ratio")
14		NUMERIC	EV (130095, DCM, "alpha gEUD value")	1	U		Units = EV (ratio, UCUM, "ratio")

Content Item Descriptions

Rows 12, 13	The value of (130094, DCM, "Elemental Composition Atomic Mass Fraction") annotates the fractional weight of the elements identified by the (130093, DCM, "Atomic Number") with respect to the total mass of the segment. The allowed value is in the range of [0, 1].

TID 15400 Real-World Quantity Definition

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 15400. Real-World Quantity Definition

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CODE	~~EV~~DT (246205007, SCT, "Quantity")	1	M		BCID 7180 “Abstract Multi-dimensional Image Model Component Semantics”
2		CODE	BCID 9000 “Physical Quantity Descriptors”	1-n	U		

Content Item Descriptions

Row 1	This row uses a concept name that specifies the quantified characteristic. It is not required that (246205007, SCT, "Quantity") be used if there is a reason to use a similar concept.
Row 2	May be concept modifiers, such as (370129005, SCT, "Measurement Method").

TID 15401 Real-World Quantity Definition for X-Ray Attenuation Properties

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID 15401. Real-World Quantity Definition for X-Ray Attenuation Properties

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		INCLUDE	DTID 15400 “Real-World Quantity Definition”	1	M		
2		NUMERIC	EV (DCM, 130087, "Reference Energy")	1	MC	IF TID 15400 Row 1 Quantity value is (130086, DCM, "Relative Linear Stopping Power")	UNITS = EV ("MeV", UCUM, "Megaelectronvolt")

D DICOM Controlled Terminology Definitions (Normative)

This Annex specifies the meanings of codes defined in DICOM, either explicitly or by reference to another part of DICOM or an external reference document or standard.

The contents of this table are available in OWL format at ftp://medical.nema.org/medical/dicom/resources/ontology/dcm/dcm.owl and in Bioportal.

Table D-1. DICOM Controlled Terminology Definitions (Coding Scheme Designator "DCM" Coding Scheme Version "01")

Code Value	Code Meaning	Definition	Notes
AR	Autorefraction	An acquisition device, process or method that measures autorefraction.	
ARCHIVE	Archive	A device, process or method that stores images and other objects for a prolonged period of time.	
AS	*Angioscopy*	*An acquisition device, process or method that records images during angioscopy.*	*Retired*
ASMT	Content Assessment Result	A device, process or method that produces assessments of the content of other instances, e.g. for quality or suitability.	
AU	Audio	An acquisition device, process or method that records audio.	
BDUS	Ultrasound Bone Densitometry	An acquisition device, process or method that performs ultrasound bone densitometry.	
BI	Biomagnetic imaging	An acquisition device, process or method that performs biomagnetic imaging.	
BMD	Bone Mineral Densitometry	An acquisition device, process or method that performs bone mineral densitometry by X-Ray, including dual-energy X-Ray absorptiometry (DXA) and morphometric X-Ray absorptiometry (MXA).	
CAD	Computer Assisted Detection/Diagnosis	An image processing device, process or method that performs computer assisted detection or diagnosis.	
CAPTURE	Image Capture	An acquisition device, process or method that performs image capture, includes video capture.	
CD	*Color flow Doppler*	*An acquisition device, process or method that performs color flow Doppler.*	*Retired* *Replaced by (US, DCM, "Ultrasound")*
CF	*Cinefluorography*	*An acquisition device, process or method that performs cinefluorography.*	*Retired* *Replaced by (RF, DCM, "Radiofluoroscopy")*
COMP	Computation Server	A device, process or method that performs computation as a service; includes radiotherapy planning.	
CP	*Culposcopy*	*An acquisition device, process or method that records images during culposcopy.*	*Retired*
CR	Computed Radiography	An acquisition device, process or method that performs computed radiography.	

Code Value	Code Meaning	Definition	Notes
CS	*Cystoscopy*	*An acquisition device, process or method that records images during cystoscopy.*	*Retired*
CT	Computed Tomography	An acquisition device, process or method that performs computed tomography.	
CTPROTOCOL	CT Protocol	A device, process or method that produces CT device acquisition protocols.	
DD	*Duplex Doppler*	*An acquisition device, process or method that performs duplex Doppler.*	*Retired* *Replaced by (US, DCM, "Ultrasound")*
DF	*Digital fluoroscopy*	*An acquisition device, process or method that performs digital fluoroscopy.*	*Retired* *Replaced by (RF, DCM, "Radiofluoroscopy")*
DG	Diaphanography	An acquisition device, process or method that performs diaphanography.	
DM	*Digital microscopy*	*An acquisition device, process or method that performs digital microscopy.*	*Retired*
DOC	Document	A device, process or method that produces documents. i.e., representations of documents as images, whether by scanning or other means.	
DOCD	Document Digitizer Equipment	A device, process or method that digitizes hardcopy documents and imports them.	
DS	*Digital Subtraction Angiography*	*An acquisition device, process or method that performs digital subtraction angiography.*	*Retired* *Replaced by (XA, DCM, "X-Ray Angiography")*
DSS	Department System Scheduler	A department-based information system (for instance, Radiology or Laboratory) that provides functions related to the management of orders received from external systems or through the department system's user interface. This definition matches that of the DSS/OF Actor in the IHE Scheduled Workflow (SWF) Profile.	
DX	Digital Radiography	An acquisition device, process or method that performs digital radiography.	
EC	*Echocardiography*	*An acquisition device, process or method that performs echocardiography.*	*Retired* *Replaced by (US, DCM, "Ultrasound")*
ECG	Electrocardiography	An acquisition device, process or method that performs electrocardiography.	
EPS	Cardiac Electrophysiology	An acquisition device, process or method that performs cardiac electrophysiology.	
ES	Endoscopy	An acquisition device, process or method that records images during endoscopy.	
F	Female	Female sex.	
FA	*Fluorescein angiography*	*An acquisition device, process or method that performs fluorescein angiography.*	*Retired* *Replaced by (OP, DCM, "Ophthalmic photography")*
FC	Female changed to Male	Female sex changed to Male sex.	

Code Value	Code Meaning	Definition	Notes
FID	Spatial Fiducials	A device, process or method that identifies features or landmarks used to establish spatial correlation between objects or frames of reference.	
FILMD	Film Digitizer	A device, process or method that performs film digitization.	
FP	Female Pseudohermaphrodite	Female Pseudohermaphrodite.	
FS	*Fundoscopy*	*An acquisition device, process or method that records images during fundoscopy.*	*Retired*
GM	General Microscopy	An acquisition device, process or method that performs general microscopy.	
H	Hermaphrodite	Hermaphrodite.	
HC	Hard Copy	A device, process or method that creates images to be printed as hard copy.	
HD	Hemodynamic Waveform	An acquisition device, process or method that records hemodynamic waveforms.	
IO	Intra-oral Radiography	An acquisition device, process or method that performs intra-oral radiography.	
IOL	Intraocular Lens Calculation	A device, process or method that encodes calculations for an intraocular lens.	
IVOCT	Intravascular Optical Coherence Tomography	An acquisition device, process or method that performs intravascular optical coherence tomography	
IVUS	Intravascular Ultrasound	An acquisition device, process or method that performs intravascular ultrasound.	
KER	Keratometry	An acquisition device, process or method that performs keratometry.	
KO	Key Object Selection	A device, process or method that creates Key Object Selection objects.	
LEN	Lensometry	An acquisition device, process or method that performs lensometry.	
LOG	Procedure Logging	A device, process or method that performs procedure Logging; includes cath lab logging.	
LP	*Laparoscopy*	*An acquisition device, process or method that records images during laparoscopy.*	*Retired*
LS	Laser surface scan	An acquisition device, process or method that performs laser surface scanning.	
M	Male	Male sex.	
M3D	3D Manufacturing Modeling System	A device, process or method that produces data (models) for use in 3D manufacturing.	
MA	*Magnetic resonance angiography*	*An acquisition device, process or method that performs magnetic resonance angiography.*	*Retired* *Replaced by (MR, DCM, "Magnetic resonance")*
MC	Male changed to Female	Male sex changed to Female sex.	
MCD	Media Creation Device	A device, process or method that creates DICOM PS3.10 interchange media. E.g., a CD creator that is managed by the Media Creation Management Service Class.	
MEDIM	Portable Media Importer Equipment	A device, process or method that retrieves and imports objects from Interchange Media.	

Code Value	Code Meaning	Definition	Notes
MG	Mammography	An acquisition device, process or method that performs mammography.	
MP	Male Pseudohermaphrodite	Male Pseudohermaphrodite.	
MR	Magnetic Resonance	An acquisition device, process or method that performs magnetic resonance imaging.	
MS	*Magnetic resonance spectroscopy*	*An acquisition device, process or method that performs magnetic resonance spectroscopy.*	*Retired* *Replaced by (MR, DCM, "Magnetic resonance")*
NEARLINE	Nearline	Instances need to be retrieved from relatively slow media such as optical disk or tape.	
NM	Nuclear Medicine	An acquisition device, process or method that performs nuclear medicine imaging.	
OAM	Ophthalmic Axial Measurements	An acquisition device, process or method that measures the axial length of the eye.	
OCT	Optical Coherence Tomography	An acquisition device, process or method that uses an interferometric, non-invasive optical tomographic technique to image 2D slices and 3D volumes of tissue using visible and near visible frequencies.	
OFFLINE	Offline	Instances need to be retrieved by manual intervention.	
ONLINE	Online	Instances are immediately available.	
OP	Ophthalmic photography	An acquisition device, process or method that performs ophthalmic photography.	
OPM	Ophthalmic Mapping	An acquisition device, process or method that measures corneal topography, corneal or retinal thickness, and other similar parameters that are typically displayed as maps.	
OPR	Ophthalmic Refraction	An acquisition device, process or method that measures the refractive characteristics of the eye.	
OPT	Ophthalmic Tomography	An acquisition device, process or method that performs tomography of the eye that is based on light and optical principles. Tomography based on other principles, such as ultrasound, is excluded.	
OPTBSV	Ophthalmic Tomography B-scan Volume Analysis	An acquisition device, process or method that performs B-scan volume analysis of tomography images of the eye based on light and optical principles. Tomography based on other principles, such as ultrasound, is excluded.	
OPTENF	Ophthalmic Tomography En Face	An acquisition device, process or method that creates en face tomography images of the eye based on light and optical principles. Tomography based on other principles, such as ultrasound, is excluded.	
OPV	Ophthalmic Visual Field	An acquisition device, process or method that measures visual fields and perform visual perimetry.	
OSS	Optical Surface Scanner	An acquisition device, process or method that performs optical surface scanning.	
OT	Other Modality	Other Modality device.	
PLAN	Plan	A device, process or method that produces treatment plans, e.g. delivery instructions for RT.	

Code Value	Code Meaning	Definition	Notes
PR	Presentation State	A device, process or method that creates Presentation State objects.	
PRINT	Hard Copy Print Server	Hard Copy Print Server; includes printers with embedded DICOM print server.	
PT	Positron emission tomography	An acquisition device, process or method that performs positron emission tomography (PET).	
PX	Panoramic X-Ray	An acquisition device, process or method that performs panoramic X-Rays.	
REG	Registration	An image processing device, process or method that creates Registration objects.	
RESP	Respiratory Waveform	A device, process or method that produces waveforms of electrical signals from the patient's respiratory system.	
RF	Radiofluoroscopy	An acquisition device, process or method that performs radiofluoroscopy.	
RG	Radiographic imaging	An acquisition device, process or method that performs radiographic imaging (conventional film/screen).	
RT	Radiation Therapy Device	A device, process or method that delivers radiation therapy; includes linear accelerator, proton therapy.	
RTDOSE	Radiotherapy Dose	A device, process or method that records radiotherapy dose.	
RTIMAGE	Radiotherapy Image	An acquisition device, process or method that performs radiotherapy imaging; includes portal imaging.	
RTPLAN	Radiotherapy Plan	A device, process or method that produces radiotherapy plans.	
RTRECORD	Radiotherapy Treatment Record	A device, process or method that records radiotherapy treatment records.	
RTSTRUCT	Radiotherapy Structure Set	A device, process or method that produces Radiotherapy Structure Sets.	
RWV	Real World Value Map	A device, process or method that produces mappings between image pixel values and some real-world values.	
SEG	Segmentation	An image processing device, process or method that performs segmentation.	
SM	Slide Microscopy	An acquisition device, process or method that performs slide microscopy.	
SMR	Stereometric Relationship	A device, process or method that records relationships between stereometric image pairs.	
SR	Structured Report Document	A device, process or method that creates Structured Report documents.	
SRF	Subjective Refraction	An acquisition device, process or method that records subjective refraction.	
ST	*Single-photon emission computed tomography*	*An acquisition device, process or method that performs single-photon emission computed tomography (SPECT).*	*Retired* *Replaced by (NM, DCM, "Nuclear Medicine")*
STAIN	Automated Slide Stainer	A device, process or method that applies, in an automated manner, a stain, or reagent, to microscopy slides in preparation for imaging.	
TG	Thermography	An acquisition device, process or method that performs thermography.	

Code Value	Code Meaning	Definition	Notes
U	Unknown Sex	Unknown Sex.	
UNAVAILABLE	Unavailable	Instances cannot be retrieved.	
US	Ultrasound	An acquisition device, process or method that performs ultrasound.	
VA	Visual Acuity	An acquisition device, process or method that measures visual acuity.	
VF	*Videofluorography*	*An acquisition device, process or method that measures videofluorography.*	*Retired* *Replaced by (RF, DCM, "Radiofluoroscopy")*
VIDD	Video Tape Digitizer Equipment	A device, process or method that digitizes video tape and imports it.	
WSD	Workstation	A networked computer equipped with a display and software for performing specific types of work, generally intended to be operated by a single user.	
XA	X-Ray Angiography	An acquisition device, process or method that performs X-Ray angiography.	
XC	External-camera Photography	An acquisition device, process or method that performs photography with an external camera.	
109001	Digital timecode (NOS)	A signal transmitted for the purpose of interchange of the current time, not specific to any source or methodology.	
109002	ECG-based gating signal, processed	A signal that is generated for each detection of a heart beat.	
109003	IRIG-B timecode	A signal transmitted by the Inter-Range Instrumentation Group for the purpose of synchronizing time clocks.	
109004	X-Ray Fluoroscopy On Signal	A signal that indicates that X-Ray source has been activated for fluoroscopy use.	
109005	X-Ray On Trigger	A signal that indicated that the X-Ray source has been activated for image recording.	
109006	Differential signal	An electrical signal derived from two electrodes.	
109007	His bundle electrogram	An electrophysiological recording from the HIS nerve bundle.	
109008	Monopole signal	An electrical signal from one electrode relative to an indifferent potential.	
109009	Pacing (electrical) stimulus, voltage	The voltage stimulus during cardiac pacing.	
109010	Radio frequency ablation, power	The power injected during RF ablation procedure.	
109011	Voltage measurement by basket catheter	Electrophysiological signals acquired using a multi-splined catheter each equipped with multiple electrodes.	
109012	Voltage measurement by mapping catheter	Electrophysiological signals acquired using a steerable catheter.	
109013	Voltage measurement	A voltage measurement not otherwise specified.	
109014	35% of thermal CO	A signal point that is 35% of the peak thermal cardiac output signal.	
109015	70% of thermal CO	A signal point that is 70% of the peak thermal cardiac output signal.	

Code Value	Code Meaning	Definition	Notes
109016	A wave peak pressure	The peak pressure of each heart beat in the atrium caused by the atrial contraction.	
109017	A wave pressure, average	The average of several A wave pressure measurements.	
109018	Beat detected (accepted)	An identified cardiac beat used in the determination of a measurement.	
109019	Beat detected (rejected)	An identified cardiac beat not used in the determination of a measurement.	
109020	*Diastolic pressure, average*	*The average of several diastolic pressure measurements*	*Retired. Replaced by (314453003, SCT, "Average diastolic blood pressure")*
109021	*Diastolic pressure nadir*	*The lowest pressure value excluding any undershoot artifact.*	*Retired. Replaced by (314451001, SCT, "Minimum diastolic blood pressure")*
109022	*End diastole*	*The moment at the end of the diastolic phase of the cardiac cycle.*	*Retired. Replaced by (416190007, SCT, "End diastole")*
109023	End of expiration	The moment at the end of respiratory expiration.	
109024	End of inspiration	The moment at the end of respiratory inspiration.	
109025	Max dp/dt	The maximum positive rate of change of pressure.	
109026	Max neg dp/dt	The maximum negative rate of change of pressure.	
109027	*Mean blood pressure*	*The average blood pressure value, generally over 2 or more seconds*	*Retired. Replaced by (6797001, SCT, "Mean blood pressure")*
109028	Peak of thermal cardiac output bolus	The peak change in blood temperature during a thermal cardiac output measurement.	
109029	Start of expiration	The moment respiratory expiration begins.	
109030	Start of inspiration	The moment of respiratory inspiration begins.	
109031	Start of thermal cardiac output bolus	The first discernible blood temperature change following the injectate during a thermal cardiac output measurement.	
109032	*Systolic pressure, average*	*The average of several systolic blood pressure measurements.*	*Retired. Replaced by (314440001, SCT, "Average systolic blood pressure")*
109033	*Systolic peak pressure*	*The highest systolic blood pressure value excluding any overshoot artifact*	*Retired. Replaced by (314439003, SCT, "Maximum systolic blood pressure")*
109034	V wave peak pressure	The peak pressure of each heart beat in the atrium caused by the filling of the atrium.	
109035	V wave pressure, average	The average of several V wave pressure measurements.	
109036	Valve close	The moment at which a heart valve closes.	
109037	Valve open	The moment at which a heart valve opens.	
109038	Ablation off	The moment when RF ablation current is turned off.	
109039	Ablation on	The moment when RF ablation current is turned on.	
109040	HIS bundle wave	The moment in the cardiac cycle when the HIS bundle nerves depolarize.	
109041	P wave	The surface electrocardiogram of the atrial contraction.	

Code Value	Code Meaning	Definition	Notes
109042	Q wave	The first negative deflection of the electrocardiogram cause by ventricular depolarization.	
109043	R wave	The first positive deflection the electrocardiogram cause by ventricular depolarization.	
109044	S wave	The first negative deflection after the R wave.	
109045	Start of atrial contraction	The beginning of the atrial contraction.	
109046	Start of atrial contraction (subsequent)	The beginning of the second atrial contraction of two consecutive beats.	
109047	Stimulation at rate 1 interval	The stimulation interval during cardiac stimulation first used in a pacing train.	
109048	Stimulation at rate 2 interval	The stimulation interval different from the first stimulation interval used in a pacing train.	
109049	Stimulation at rate 3 interval	A stimulation interval different from and subsequent to the second interval in a pacing train.	
109050	Stimulation at rate 4 interval	Describes a stimulation interval different from and subsequent to the third interval in a pacing train.	
109051	T wave	The electrocardiogram deflection caused by ventricular repolarization.	
109052	V wave	The peak pressure of each heart beat monitored in the atrium caused by the filling of the atrium.	
109053	V wave of next beat	The second V wave measurement of two consecutive beats.	
109054	Patient State	A description of the physiological condition of the patient.	
109055	Protocol Stage	The exercise level during a progressive cardiac stress test.	
109056	Stress Protocol	A series of physiological challenges designed to progressively increase the work of the heart.	
109057	*Catheterization Procedure Phase*	*A subpart of a cardiac catheterization procedure*	*Retired. Replaced by (129085009, SCT, "Catheterization Procedure Phase")*
109058	Contrast Phase	The subpart of a cardiac catheterization procedure in which a radio-opaque contrast medium is injected into the patient.	
109059	Physiological challenges	Physical changes administered to a patient in order to elicit an physiological response.	
109060	Procedure Step Number	Enumeration of a subpart of a catheterization procedure.	
109061	EP Procedure Phase	A subpart of en electrophysiological procedure.	
109063	Pulse train definition	A means of defining a series of cardiac stimulation pulses.	
109070	*End of systole*		*Retired. Replaced by (416430001, SCT, "End systole")*
109071	Indicator mean transit time	Time for a median particle to travel from point of injection to point of detection.	
109072	Tau	The time constant of isovolumic pressure fall.	
109073	V max myocardial	Maximum velocity of myocardial contractility.	

Code Value	Code Meaning	Definition	Notes
109080	Real time acquisition	Total time for the acquisition is shorter than cardiac cycle, no gating is applied; see Cardiac Synchronization Technique (0018,9037).	
109081	Prospective gating	Certain thresholds have been set for a gating window that defines the acceptance of measurement data during the acquisition; see Cardiac Synchronization Technique (0018,9037).	
109082	Retrospective gating	Certain thresholds have been set for a gating window that defines the acceptance of measurement data after the acquisition; see Cardiac Synchronization Technique (0018,9037).	
109083	Paced	There is a constant RR interval, which makes thresholding not required; see Cardiac Synchronization Technique (0018,9037). E.g., Pacemaker.	
109091	*Cardiac Stress State*	*Imaging after injection of tracer during increased cardiac workload or increased myocardial blood flow, achieved by either exercise or pharmacologic means.*	*Retired. Replaced by (432655005, SCT, "Cardiac stress state").*
109092	Reinjection State	Imaging after injection of additional tracer under resting conditions.	
109093	Redistribution State	Imaging after allowing a moderate amount of time for tracer to move from its initial sites of uptake. Example: For Thallium imaging this would correspond to imaging 2-6 hours after injection.	
109094	Delayed Redistribution State	Imaging after allowing an extended amount of time for tracer to move from its initial sites of uptake. Example: For Thallium imaging this would correspond to imaging more than 6 hours after injection.	
109095	*Peak stress state*	*Peak Cardiac stress state*	*Retired. Replaced by (434161005, SCT, "Peak stress state")*
109096	*Recovery state*	*Recovery from cardiac stress*	*Retired. Replaced by (432554001, SCT, "Cardiac stress Recovery state")*
109101	Acquisition Equipment	Equipment that originally acquired the data stored within composite instances. E.g., a CT, MR or Ultrasound modality.	
109102	Processing Equipment	Equipment that has processed composite instances to create new composite instances. E.g., a 3D Workstation.	
109103	Modifying Equipment	Equipment that has modified existing composite instances (without creating new composite instances). E.g., a QA Station or Archive.	
109104	De-identifying Equipment	Equipment that has modified an existing composite instance to remove patient identifying information.	
109105	Frame Extracting Equipment	Equipment that has processed composite instances to create new composite instances by extracting selected frames from the original instance.	

Code Value	Code Meaning	Definition	Notes
109106	Enhanced Multi-frame Conversion Equipment	Equipment that has processed composite instances to create new composite instances by converting classic single frame images to enhanced multi-frame image, or vice versa and updating other instances to maintain referential integrity.	
109110	Voice	The sound of a human's speech, recorded during a procedure.	May include the patient's voice, or the voice of staff present in the room, or an operator's voice (whether for the purpose of recording a narrative accompanying a procedure or not).
109111	Operator's narrative	The voice of a device operator, recorded during a procedure.	
109112	Ambient room environment	The ambient sound recorded during a procedure, which may or may not include voice and other types of sound.	
109113	Doppler audio	The Doppler waveform recorded as an audible signal.	
109114	Phonocardiogram	The sound of the human heart beating.	Such as might be recorded from an electronic stethoscope.
109115	Physiological audio signal	Any sound made by the human body.	May include the sound of the heart, but also sound from other organs, such as bowel sounds or bruits from vessels, or sounds of respiration. Not intended to include voice.
109116	Arterial Pulse Waveform	A digitized signal from the patient arterial system collected through pulse oximetry or other means.	
109117	Respiration Waveform	A digitized signal from the patient respiratory system representing respiration.	
109120	On admission to unit	The occasion on which a procedure was performed on admission to a specialist unit. E.g., intensive care.	
109121	On discharge	The occasion on which a procedure was performed on discharge from hospital as an in-patient.	
109122	On discharge from unit	The occasion on which a procedure was performed on discharge from a specialist unit. E.g., intensive care.	
109123	Pre-intervention	The occasion on which a procedure was performed immediately prior to non-surgical intervention. E.g, percutaneous angioplasty, biopsy.	
109124	Post-intervention	The occasion on which a procedure was performed immediately after to non-surgical intervention. E.g, percutaneous angioplasty, biopsy.	
109125	At last appointment	The occasion on which a procedure was performed at the most recent outpatient visit.	
109132	Joint position method	The active or passive joint positioning during acquisition.	
109133	Physical force	A physical force applied during acquisition.	
109134	Prior to voiding	Prior to voiding urine from the bladder.	
109135	Post voiding	Post voiding urine from the bladder.	
109136	Neutral musculoskeletal position	Neutral musculoskeletal position.	
109137	During voiding	During voiding urine from the bladder.	

Code Value	Code Meaning	Definition	Notes
109200	America Kennel Club	America Kennel Club.	
109201	America's Pet Registry Inc.	America's Pet Registry Inc.	
109202	American Canine Association	American Canine Association.	
109203	American Purebred Registry	American Purebred Registry.	
109204	American Rare Breed Association	American Rare Breed Association.	
109205	Animal Registry Unlimited	Animal Registry Unlimited.	
109206	Animal Research Foundation	Animal Research Foundation.	
109207	Canadian Border Collie Association	Canadian Border Collie Association.	
109208	Canadian Kennel Club	Canadian Kennel Club.	
109209	Canadian Livestock Records Association	Canadian Livestock Records Association.	
109210	Canine Federation of Canada	Canine Federation of Canada.	
109211	Continental Kennel Club	Continental Kennel Club.	
109212	Dog Registry of America	Dog Registry of America.	
109213	Federation of International Canines	Federation of International Canines.	
109214	International Progressive Dog Breeders' Alliance	International Progressive Dog Breeders' Alliance.	
109215	National Kennel Club	National Kennel Club.	
109216	North American Purebred Dog Registry	North American Purebred Dog Registry.	
109217	United All Breed Registry	United All Breed Registry.	
109218	United Kennel Club	United Kennel Club.	
109219	Universal Kennel Club International	Universal Kennel Club International.	
109220	Working Canine Association of Canada	Working Canine Association of Canada.	
109221	World Kennel Club	World Kennel Club.	
109222	World Wide Kennel Club	World Wide Kennel Club.	
109701	Overall image quality evaluation	Evaluation of overall image quality as described in section 7.3.2 of [IEC 62563-1].	
109702	Grayscale resolution evaluation	Visual verification of sufficient grayscale resolution based on 8 and 10-bit markers as described in section 7.3.3 of [IEC 62563-1].	
109703	Luminance response evaluation	Visual evaluation of luminance response using the TG18-CT test pattern as described in section 7.3.4 of [IEC 62563-1].	
109704	Luminance uniformity evaluation	Visual detection of luminance non-uniformities as described in section 7.3.5 of [IEC 62563-1].	
109705	Chromaticity evaluation	Visual verification of color uniformity as described in section 7.3.6 of [IEC 62563-1].	
109706	Pixel faults evaluation	Visual detection of defective pixels on dark (TG18-UN80) and bright (TG18-UN10) images as described in section 7.3.7 of [IEC 62563-1].	

Code Value	Code Meaning	Definition	Notes
109707	Veiling glare evaluation	Visual evaluation of veiling glare by looking at low contrast objects on 2 test patterns as described in section 7.3.8 of [IEC 62563-1].	
109708	Geometrical image evaluation	Visual evaluation of geometry, phase/clock correction and clipping as described in section 7.3.9 of [IEC 62563-1].	
109709	Angular viewing evaluation	Visual evaluation of viewing angle as described in section 7.3.10 of [IEC 62563-1].	
109710	Clinical evaluation	Visual evaluation of the appearance of clinical images as described in section 7.3.11 of [IEC 62563-1].	
109801	TG18-QC Pattern	AAPM TG18-QC Pattern used for evaluation of resolution, luminance, distortion, artifacts. See [AAPM OR 03].	
109802	TG18-BR Pattern	AAPM TG18-BR Pattern used for the evaluation of the display of low-contrast, fine-detail image structures See [AAPM OR 03].	
109803	TG18-PQC Pattern	AAPM TG18-PQC Pattern used for evaluation of resolution, luminance, contrast transfer for prints. See [AAPM OR 03].	
109804	TG18-CT Pattern	AAPM TG18-CT Pattern used for evaluation of luminance response. See [AAPM OR 03].	
109805	TG18-LN8-01 Pattern	The 1st image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109806	TG18-LN8-02 Pattern	The 2nd image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109807	TG18-LN8-03 Pattern	The 3rd image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109808	TG18-LN8-04 Pattern	The 4th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109809	TG18-LN8-05 Pattern	The 5th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109810	TG18-LN8-06 Pattern	The 6th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109811	TG18-LN8-07 Pattern	The 7th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	

Code Value	Code Meaning	Definition	Notes
109812	TG18-LN8-08 Pattern	The 8th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109813	TG18-LN8-09 Pattern	The 9th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109814	TG18-LN8-10 Pattern	The 10th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration series. See [AAPM OR 03].	
109815	TG18-LN8-11 Pattern	The 11th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109816	TG18-LN8-12 Pattern	The 12th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109817	TG18-LN8-13 Pattern	The 13th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109818	TG18-LN8-14 Pattern	The 14th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109819	TG18-LN8-15 Pattern	The 15th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109820	TG18-LN8-16 Pattern	The 16th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109821	TG18-LN8-17 Pattern	The 17th image in the AAPM TG18-LN8 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109822	TG18-LN8-18 Pattern	The 18th image in the AAPM TG18-LN8- set used for DICOM grayscale calibration. See [AAPM OR 03].	
109823	TG18-LN12-01 Pattern	The 1st image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109824	TG18-LN12-02 Pattern	The 2 nd image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	

Code Value	Code Meaning	Definition	Notes
109825	TG18-LN12-03 Pattern	The 3rd image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109826	TG18-LN12-04 Pattern	The 4th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109827	TG18-LN12-05 Pattern	The 5th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109828	TG18-LN12-06 Pattern	The 6th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109829	TG18-LN12-07 Pattern	The 7th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109830	TG18-LN12-08 Pattern	The 8th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109831	TG18-LN12-09 Pattern	The 9th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109832	TG18-LN12-10 Pattern	The 10th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109833	TG18-LN12-11 Pattern	The 11th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109834	TG18-LN12-12 Pattern	The 12th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109835	TG18-LN12-13 Pattern	The 13th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109836	TG18-LN12-14 Pattern	The 14th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109837	TG18-LN12-15 Pattern	The 15th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	

Code Value	Code Meaning	Definition	Notes
109838	TG18-LN12-16 Pattern	The 16th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109839	TG18-LN12-17 Pattern	The 17th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109840	TG18-LN12-18 Pattern	The 18th image in the AAPM TG18-LN12 set used for DICOM grayscale calibration. See [AAPM OR 03].	
109841	TG18-UN10 Pattern	The AAPM TG18-UN10 Pattern used for evaluation of luminance and color uniformity, and angular response. See [AAPM OR 03].	
109842	TG18-UN80 Pattern	The AAPM TG18-UN80 Pattern used for evaluation of luminance and color uniformity, and angular response. See [AAPM OR 03].	
109843	TG18-UNL10 Pattern	The AAPM TG18-UNL10 Pattern is the AAPM TG-18 UN10 Pattern with added defining lines. See [AAPM OR 03].	
109844	TG18-UNL80 Pattern	The AAPM TG18-UNL80 Pattern is the AAPM TG-18 UN80 Pattern with added defining lines. See [AAPM OR 03].	
109845	TG18-AD Pattern	The AAPM TG18-AD Pattern used for visual evaluation of the reflection of ambient light from the display. See [AAPM OR 03].	
109846	TG18-MP Pattern	The AAPM TG18-MP Pattern used for evaluation of Luminance response (bit-depth resolution). See [AAPM OR 03].	
109847	TG18-RH10 Pattern	The AAPM TG18-RH10 Pattern used for LSF-line spectra function-(1k and 2k) evaluation by 5 horizontal lines at 10% luminance level. See [AAPM OR 03].	
109848	TG18-RH50 Pattern	The AAPM TG18-RH50 Pattern used for LSF-line spectra function-(1k and 2k) evaluation by 5 horizontal lines at 50% luminance level. See [AAPM OR 03].	
109849	TG18-RH89 Pattern	The AAPM TG18-RH89 Pattern used for LSF-line spectra function-(1k and 2k) evaluation by 5 horizontal lines at 89% luminance level. See [AAPM OR 03].	

Code Value	Code Meaning	Definition	Notes
109850	TG18-RV10 Pattern	The AAPM TG18-RV10 Pattern used for LSF-line spectra function-(1k and 2k) evaluation by 5 vertical lines at 10% luminance level. See [AAPM OR 03].	
109851	TG18-RV50 Pattern	The AAPM TG18-RV50 Pattern used for LSF-line spectra function-(1k and 2k) evaluation by 5 vertical lines at 50% luminance level. See [AAPM OR 03].	
109852	TG18-RV89 Pattern	The AAPM TG18-RV89 Pattern used for LSF-line spectra function-(1k and 2k) evaluation by 5 vertical lines at 89% luminance level. See [AAPM OR 03].	
109853	TG18-PX Pattern	The AAPM TG18-PX Pattern used for the assessment of display resolution. See [AAPM OR 03].	
109854	TG18-CX Pattern	The AAPM TG18-CX Pattern used to assess display resolution and resolution uniformity. See [AAPM OR 03].	
109855	TG18-LPH10 Pattern	The AAPM TG18-LPH10 Pattern used to assess display resolution. This pattern has horizontal bars consisting of alternating single-pixel-wide lines across the faceplate of display. The lines have a 12% positive contrast against 10% background level of the maximum pixel value. See [AAPM OR 03].	
109856	TG18-LPH50 Pattern	The AAPM TG18-LPH50 Pattern used to assess display resolution. This pattern has horizontal bars consisting of alternating single-pixel-wide lines across the faceplate of display. The lines have a 50% positive contrast against 10% background level of the maximum pixel value. See [AAPM OR 03].	
109857	TG18-LPH89 Pattern	The AAPM TG18-LPH89 Pattern used to assess display resolution. This pattern has horizontal bars consisting of alternating single-pixel-wide lines across the faceplate of display. The lines have a 12% positive contrast against 89% background level of the maximum pixel value. See [AAPM OR 03].	
109858	TG18-LPV10 Pattern	The AAPM TG18-LPV10 Pattern used to assess display resolution. This pattern has vertical bars consisting of alternating single-pixel-wide lines across the faceplate of display. The lines have a 12% positive contrast against 10% background level of the maximum pixel value. See [AAPM OR 03].	

Code Value	Code Meaning	Definition	Notes
109859	TG18-LPV50 Pattern	The AAPM TG18-LPV50 Pattern used to assess display resolution. This pattern has vertical bars consisting of alternating single-pixel-wide lines across the faceplate of display. The lines have a 12% positive contrast against 50% background level of the maximum pixel value. See [AAPM OR 03].	
109860	TG18-LPV89 Pattern	The AAPM TG18-LPV89 Pattern used to assess display resolution. This pattern has vertical bars consisting of alternating single-pixel-wide lines across the faceplate of display. The lines have a 12% positive contrast against 89% background level of the maximum pixel value. See [AAPM OR 03].	
109861	TG18-AFC Pattern	The AAPM TG18-AFC Pattern used to assess display noise. See [AAPM OR 03]	
109862	TG18-NS10 Pattern	The AAPM TG18-NS10 Pattern is AAPM TG18-RV10/RH10 with only difference being the absence of the single line at the center of the measurement area. See [AAPM OR 03].	
109863	TG18-NS50 Pattern	The AAPM TG18-NS50 Pattern is AAPM TG18-RV50/RH50 with only difference being the absence of the single line at the center of the measurement area. See [AAPM OR 03].	
109864	TG18-NS89 Pattern	The AAPM TG18-NS89 Pattern is AAPM TG18-RV89/RH89 with only difference being the absence of the single line at the center of the measurement area. See [AAPM OR 03].	
109865	TG18-GV Pattern	The TG18-GV Pattern used to assess display veiling. See [AAPM OR 03].	
109866	TG18-GVN Pattern	The TG18-GVN Pattern used to assess display veiling. This pattern is identical to AAPM TG18-GV Pattern except that the large-diameter white circle is replaced with a black circle, creating a completely black pattern except for the presence of low-contrast targets. See [AAPM OR 03].	
109867	TG18-GQ Pattern	The TG18-GQ Pattern used for quantitative assessment of veiling glare. This pattern is identical to TG18-GV except that is lacks the central low-contrast objects. See [AAPM OR 03].	
109868	TG18-GQN Pattern	TG18-GQN Pattern used for the quantitative assessment of veiling glare. This pattern is identical to AAPM TG18-GQ Pattern except that the large-diameter white circle is replaced with a black circle, creating a completely black pattern except for the presence of low-contrast targets. See [AAPM OR 03].	

Code Value	Code Meaning	Definition	Notes
109869	TG18-GQB Pattern	The TG18-GQB Pattern used for the quantitative assessment of veiling glare. This pattern is identical to AAPM TG18-GQ Pattern except eliminating the central black circle. See [AAPM OR 03].	
109870	TG18-GA03 Pattern	The TG18-GA03 Pattern used for quantitative assessment of veiling glare. This pattern is identical to TG18-GQ except that the radius of the central black circle is varied as r = 3. See [AAPM OR 03].	
109871	TG18-GA05 Pattern	The TG18-GA05 Pattern This pattern is identical to TG18-GQ except that the radius of the central black circle is varied as r = 5. See [AAPM OR 03].	
109872	TG18-GA08 Pattern	The TG18-GA08 Pattern used for quantitative assessment of veiling glare. This pattern is identical to TG18-GQ except that the radius of the central black circle is varied as r = 8. See [AAPM OR 03].	
109873	TG18-GA10 Pattern	The TG18-GA10 Pattern used for quantitative assessment of veiling glare. This pattern is identical to TG18-GQ except that the radius of the central black circle is varied as r = 10. See [AAPM OR 03].	
109874	TG18-GA15 Pattern	The TG18-GA15 Pattern used for quantitative assessment of veiling glare. This pattern is identical to TG18-GQ except that the radius of the central black circle is varied as r = 15.	
109875	TG18-GA20 Pattern	The TG18-GA20 Pattern used for quantitative assessment of veiling glare. This pattern is identical to TG18-GQ except that the radius of the central black circle is varied as r = 20. See [AAPM OR 03].	
109876	TG18-GA25 Pattern	The TG18-GA25 Pattern used for quantitative assessment of veiling glare. This pattern is identical to TG18-GQ except that the radius of the central black circle is varied as r = 25. See [AAPM OR 03].	
109877	TG18-GA30 Pattern	The TG18-GA30 Pattern used for quantitative assessment of veiling glare. This pattern is identical to TG18-GQ except that the radius of the central black circle is varied as r = 30. See [AAPM OR 03].	
109878	TG18-CH Image	The AAPM TG18-CH Image is a reference anatomical PA chest image. See [AAPM OR 03].	

Code Value	Code Meaning	Definition	Notes
109879	TG18-KN Image	The AAPM TG18-KN Image is a reference anatomical knee image. See [AAPM OR 03].	
109880	TG18-MM1 Image	The AAPM TG18-MM1 Image is a reference anatomical mammogram image. See [AAPM OR 03].	
109881	TG18-MM2 Image	The AAPM TG18-MM2 Image is a reference anatomical mammogram image. See [AAPM OR 03].	
109901	OIQ Pattern	The IEC OIQ Pattern is used as an alternative to the TG18-QC Pattern. See [IEC 62563-1].	
109902	ANG Pattern	The IEC ANG Pattern used for angular viewing evaluation. See [IEC 62563-1].	
109903	GD Pattern	The IEC GD Pattern used for geometrical image evaluation. See [IEC 62563-1].	
109904	BN01 Pattern	The IEC BN01 Pattern is used as an alternative to the TG18-LN-01 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109905	BN02 Pattern	The IEC BN02 Pattern is used as an alternative to the TG18-LN-02 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109906	BN03 Pattern	The IEC BN03 Pattern is used as an alternative to the TG18-LN-03 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109907	BN04 Pattern	The IEC BN04 Pattern is used as an alternative to the TG18-LN-04 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109908	BN05 Pattern	The IEC BN05 Pattern is used as an alternative to the TG18-LN-05 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109909	BN06 Pattern	The IEC BN06 Pattern is used as an alternative to the TG18-LN-06 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	

Code Value	Code Meaning	Definition	Notes
109910	BN07 Pattern	The IEC BN07 Pattern is used as an alternative to the TG18-LN-07 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109911	BN08 Pattern	The IEC BN08 Pattern is used as an alternative to the TG18-LN-08 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109912	BN09 Pattern	The IEC BN09 Pattern is used as an alternative to the TG18-LN-09 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109913	BN10 Pattern	The IEC BN10 Pattern is used as an alternative to the TG18-LN-10 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109914	BN11 Pattern	The IEC BN11 Pattern is used as an alternative to the TG18-LN-11 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109915	BN12 Pattern	The IEC BN12 Pattern is used as an alternative to the TG18-LN-12 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109916	BN13 Pattern	The IEC BN13 Pattern is used as an alternative to the TG18-LN-13 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109917	BN14 Pattern	The IEC BN14 Pattern is used as an alternative to the TG18-LN-14 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109918	BN15 Pattern	The IEC BN15 Pattern is used as an alternative to the TG18-LN-15 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109919	BN16 Pattern	The IEC BN16 Pattern is used as an alternative to the TG18-LN-16 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109920	BN17 Pattern	The IEC BN17 Pattern is used as an alternative to the TG18-LN-17 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	

Code Value	Code Meaning	Definition	Notes
109921	BN18 Pattern	The IEC BN18 Pattern is used as an alternative to the TG18-LN-18 Pattern, to avoid the use of a cone or baffle with LCDs. See [IEC 62563-1].	
109931	DIN Grayscale Pattern	Test image "Bild 2" for the gray-scale reproduction of imaging devices. See [DIN 6868-57].	
109932	DIN Geometry Pattern	Test image "Bild 3" for the geometrical imaging properties of imaging devices. See [DIN 6868-57].	
109933	DIN Resolution Pattern	Test image "Bild 5" for displaying the spatial and contrast resolution as well as the line structure of imaging devices. See [DIN 6868-57].	
109941	White Pattern	An alternative to AAPM TG18-UN80, specified at 100% of maximum pixel value.	
109943	SMPTE Pattern	A standard display test pattern. See [SMPTE RP133]. A pattern is available at http://www.dclunie.com/images/smpte.512.512.8.gif.	
109991	CRT Display	A Display Device that displays images on a Cathode Ray Tube.	
109992	Liquid Crystal Display	A Display Device that displays images on a Liquid Crystal Display.	
109993	Plasma Display	A Display Device that displays images on a Plasma Display.	
109994	OLED	A Display Device that displays images on an Organic Light Emitting Diode based display.	
109995	DLP Rear Projection System	A Display Device that projects images on a surface from behind using a Digital Light Processing Projector.	
109996	DLP Front Projection System	A Display Device that projects images on a surface from in front using a Digital Light Processing Projector.	
109997	CRT Rear Projection System	A Display Device that projects images on a surface from behind using a Cathode Ray Tube.	
109998	CRT Front Projection System	A Display Device that projects images on a surface from in front using a Cathode Ray Tube.	
109999	Other Projection System	A Display Device that projects images on a surface from an unspecified direction using an unspecified means.	
110001	Image Processing	Image processing work item.	
110002	Quality Control	Quality control work item.	
110003	Computer Aided Diagnosis	Computer aided diagnosis work item.	
110004	Computer Aided Detection	Computer aided detection work item.	
110005	Interpretation	The work item task is to prepare a report that contains the interpretation of an imaging study.	
110006	Transcription	Transcription work item.	

Code Value	Code Meaning	Definition	Notes
110007	Report Verification	Report verification work item.	
110008	Print	Print work item.	
110009	No subsequent Workitems	There will be no more work items scheduled.	
110010	Film	Film type of output.	
110011	Dictation	Dictation type of output.	
110012	Transcription	Transcription type of output.	
110013	Media Import	The procedure to read DICOM instances from DICOM interchange media, coerce identifying attributes into the local namespace if necessary, and make the instances available.	
110020	Sheet Film Digitized	Digitization of Sheet Film.	
110021	Cine Film Digitized	Digitization of Cine Film.	
110022	Video Tape Digitized	Digitization of Video Tape.	
110023	Paper Digitized	Digitization of pages of a paper document (Units may be specified as Pages, Documents).	
110024	CD Imported	Importation of CD.	
110025	DVD Imported	Importation of DVD.	
110026	MOD Imported	Importation of MOD.	
110027	Studies Imported	Importation of DICOM Studies.	
110028	Instances Imported	Importation of DICOM Composite Instances.	
110030	USB Disk Emulation	A device that connects using the USB hard drive interface. These may be USB-Sticks, portable hard drives, and other technologies.	
110031	Email	Email and email attachments used as a media for data transport.	
110032	CD	CD-R, CD-ROM, and CD-RW media used for data transport.	
110033	DVD	DVD, DVD-RAM, and other DVD formatted media used for data transport.	
110034	Compact Flash	Media that comply with the Compact Flash standard.	
110035	Multi-media Card	Media that comply with the Multi-media Card standard.	
110036	Secure Digital Card	Media that comply with the Secure Digital Card standard.	
110037	URI	URI Identifier for network or other resource, see RFC3968.	
110038	Paper Document	Any paper or similar document.	
110100	Application Activity	Audit event: Application Activity has taken place.	
110101	Audit Log Used	Audit event: Audit Log has been used.	
110102	Begin Transferring DICOM Instances	Audit event: Storage of DICOM Instances has begun.	
110103	DICOM Instances Accessed	Audit event: DICOM Instances have been created, read, updated, or deleted -audit event.	
110104	DICOM Instances Transferred	Audit event: Storage of DICOM Instances has been completed.	
110105	DICOM Study Deleted	Audit event: Entire Study has been deleted.	
110106	Export	Audit event: Data has been exported out of the system.	

Code Value	Code Meaning	Definition	Notes
110107	Import	Audit event: Data has been imported into the system.	
110108	Network Entry	Audit event: System has joined or left network.	
110109	Order Record	Audit event: Order has been created, read, updated or deleted.	
110110	Patient Record	Audit event: Patient Record has been created, read, updated, or deleted.	
110111	Procedure Record	Audit event: Procedure Record has been created, read, updated, or deleted.	
110112	Query	Audit event: Query has been made.	
110113	Security Alert	Audit event: Security Alert has been raised.	
110114	User Authentication	Audit event: User Authentication has been attempted.	
110119	Station AE Title	Application Entity Title of a device.	
110120	Application Start	Audit event: Application Entity has started.	
110121	Application Stop	Audit event: Application Entity has stopped.	
110122	Login	Audit event: User login has been attempted.	
110123	Logout	Audit event: User logout has been attempted.	
110124	Attach	Audit event: Node has been attached.	
110125	Detach	Audit event: Node has been detached.	
110126	Node Authentication	Audit event: Node Authentication has been attempted.	
110127	Emergency Override Started	Audit event: Emergency Override has started.	
110128	Network Configuration	Audit event: Network configuration has been changed.	
110129	Security Configuration	Audit event: Security configuration has been changed.	
110130	Hardware Configuration	Audit event: Hardware configuration has been changed.	
110131	Software Configuration	Audit event: Software configuration has been changed.	
110132	Use of Restricted Function	Audit event: A use of a restricted function has been attempted.	
110133	Audit Recording Stopped	Audit event: Audit recording has been stopped.	
110134	Audit Recording Started	Audit event: Audit recording has been started.	
110135	Object Security Attributes Changed	Audit event: Security attributes of an object have been changed.	
110136	Security Roles Changed	Audit event: Security roles have been changed.	
110137	User security Attributes Changed	Audit event: Security attributes of a user have been changed.	
110138	Emergency Override Stopped	Audit event: Emergency Override has Stopped.	
110139	Remote Service Operation Started	Audit event: Remote Service Operation has Begun.	
110140	Remote Service Operation Stopped	Audit event: Remote Service Operation has Stopped.	
110141	Local Service Operation Started	Audit event: Local Service Operation has Begun.	
110142	Local Service Operation Stopped	Audit event: Local Service Operation Stopped.	
110143	Authentication Decision	Audit event: An authentication decision has been made.	
110144	Authorization Decision	Audit event: An authorization decision has been made.	
110145	Session start	Audit event: A persistent session has started.	
110146	Session stop	Audit event: A persistent session has stopped.	
110147	Access Control Decision	Audit event: An access control decision has been made.	

Code Value	Code Meaning	Definition	Notes
110150	Application	Audit participant role ID of software application.	
110151	Application Launcher	Audit participant role ID of software application launcher, i.e., the entity that started or stopped an application.	
110152	Destination Role ID	Audit participant role ID of the receiver of data.	
110153	Source Role ID	Audit participant role ID of the sender of data.	
110154	Destination Media	Audit participant role ID of media receiving data during an export.	
110155	Source Media	Audit participant role ID of media providing data during an import.	
110180	Study Instance UID	ParticipantObjectID type: Study Instance UID.	
110181	SOP Class UID	ParticipantObjectID type: SOP Class UID.	
110182	Node ID	ID of a node that is a participant object of an audit message.	
110190	Issuer of Identifier	System, organization, agency, or department that has assigned an instance identifier (such as placer or filler number, patient or provider identifier, etc.).	
110500	Doctor canceled procedure	Procedure order canceled by requesting physician or other authorized physician.	
110501	Equipment failure	Equipment failure prevented completion of procedure.	
110502	Incorrect procedure ordered	Procedure discontinued due to incorrect procedure being ordered.	
110503	Patient allergic to media/contrast	Procedure discontinued due to patient allergy to media/contrast (reported or reaction).	
110504	Patient died	Procedure discontinued due to death of Patient.	
110505	Patient refused to continue procedure	Procedure discontinued due to patient refusal to continue procedure.	
110506	Patient taken for treatment or surgery	Procedure discontinued due to patient being taken for treatment or surgery.	
110507	Patient did not arrive	Patient did not arrive for procedure.	
110508	Patient pregnant	Procedure discontinued due to patient pregnancy (reported or determined).	
110509	Change of procedure for correct charging	Procedure discontinued to restart with new procedure code for correct charging.	
110510	Duplicate order	Procedure discontinued due to duplicate orders received for same procedure.	
110511	Nursing unit cancel	Procedure order canceled by nursing unit.	
110512	Incorrect side ordered	Procedure discontinued due to incorrect side (laterality) being ordered.	
110513	Discontinued for unspecified reason	Procedure discontinued for unspecified reason.	
110514	Incorrect worklist entry selected	Procedure discontinued due to incorrect patient or procedure step selected from modality worklist.	
110515	Patient condition prevented continuing	Patient condition prevented continuation of procedure.	
110516	Equipment change	Procedure step is discontinued to change to other equipment or modality.	
110518	Patient Movement	A movement of the patient affecting test quality.	

Code Value	Code Meaning	Definition	Notes
110519	Operator Error	An error of the operator affecting test quality.	
110521	Objects incorrectly formatted	One or more of the objects is malformed.	
110522	Object Types not supported	Receiving System is unable to accept the object type.	
110523	Object Set incomplete	One or more objects associated with the object set is missing.	
110524	Media Failure	The contents of the Media could not be accessed properly.	
110526	Resource pre-empted	Procedure discontinued due to necessary equipment, staff or other resource becoming (temporarily) unavailable to the procedure.	
110527	Resource inadequate	Procedure discontinued due to necessary equipment, staff or other resource being inadequate to complete the procedure.	
110528	Discontinued Procedure Step rescheduled	A new Procedure Step has been scheduled to replace the Discontinued Procedure Step.	
110529	Discontinued Procedure Step rescheduling recommended	It is recommended that a new Procedure Step be scheduled to replace the Discontinued Procedure Step.	
110530	Workitem assignment rejected by assigned resource	The resource to which a workitem has been assigned has rejected the assignment.	
110531	Insufficient quality for interpretation	Reporting not possible due to lack of quality of the images provided.	
110532	Interpretation requires specialist expertise	The nature of the clinical problem means that reporting of the study requires a subject matter expert.	
110533	Workitem expired	The expiration date/time of the workitem has been exceeded.	
110700	Ventral Diencephalon	Ventral structures of the diencephalon that cannot readily be distinguished on MR imaging, including the hypothalamus, mammillary body, subthalamic nuclei, substantia nigra, red nucleus, lateral geniculate nucleus, medial geniculate nucleus, zona incerta, cerebral peduncle, lenticular fasciculus, medial lemniscus, and optic tract. See http://neuromorphometrics.org:8080/Seg/html/segmentation/ventral%20diencephalon.html and http://www.cma.mgh.harvard.edu/manuals/segmentation/.	
110701	White Matter T1 Hypointensity	Area(s) of reduced intensity on T1 weighted images relative to the surrounding white matter. These may be indicative of age-related or neurodegenerative white matter lesions, and may be co-located with areas of white matter T2 hyperintensity, but the concept is specifically confined to the MR appearance on T1 weighted images.	
110702	White Matter T2 Hyperintensity	Area(s) of increased intensity on T2 weighted images relative to the surrounding white matter. These may be indicative of age-related or neurodegenerative white matter lesions, and may be co-located with areas of white matter T1 hypointensity, but the concept is specifically confined to the MR appearance on T2 weighted images.	

Code Value	Code Meaning	Definition	Notes
110703	superior longitudinal fasciculus I	The dorsal component of the SLF originating from the medial and dorsal parietal cortex and ending in the dorsal and medial part of the frontal lobe. See Makris N, et al. "Segmentation of Subcomponents within the Superior Longitudinal Fascicle in Humans: A Quantitative, In Vivo, DT-MRI Study." Cerebral Cortex 15, no. 6 (June 1, 2005): 854-69. doi:10.1093/cercor/bhh186.	
110704	superior longitudinal fasciculus II	The major component of the SLF, derived from the caudal-inferior parietal region corresponding to the angular gyrus in the human and terminating within the dorsolateral frontal region. See Makris N, et al. "Segmentation of Subcomponents within the Superior Longitudinal Fascicle in Humans: A Quantitative, In Vivo, DT-MRI Study." Cerebral Cortex 15, no. 6 (June 1, 2005): 854-69. doi:10.1093/cercor/bhh186.	
110705	superior longitudinal fasciculus III	The ventral component of the SLF, originating from the supramarginal gyrus and terminating predominantly in the ventral premotor and prefrontal areas. See Makris N, et al. "Segmentation of Subcomponents within the Superior Longitudinal Fascicle in Humans: A Quantitative, In Vivo, DT-MRI Study." Cerebral Cortex 15, no. 6 (June 1, 2005): 854-69. doi:10.1093/cercor/bhh186.	
110706	Perilesional White Matter	White matter that surrounds a lesion of interest. E.g., to identify the otherwise unclassified white matetr that surrounds a tumor to be surgically resected.	
110800	Spin Tagging Perfusion MR Signal Intensity	Signal intensity of a Spin tagging Perfusion MR image. Spin tagging is a technique for the measurement of blood perfusion, based on magnetically labeled arterial blood water as an endogenous tracer.	
110801	Contrast Agent Angio MR Signal Intensity	Signal intensity of a Contrast Agent Angio MR image.	
110802	Time Of Flight Angio MR Signal Intensity	Signal intensity of a Time-of-flight (TOF) MR image. Time-of-flight (TOF) is based on the phenomenon of flow-related enhancement of spins entering into an imaging slice. As a result of being unsaturated, these spins give more signal that surrounding stationary spins.	
110803	Proton Density Weighted MR Signal Intensity	Signal intensity of a Proton Density Weighted MR image. All MR images have intensity proportional to proton density. Images with very little T1 or T2 weighting are called 'PD-weighted'.	
110804	T1 Weighted MR Signal Intensity	Signal intensity of T1 Weighted MR image. A T1 Weighted MR image is created typically by using short TE and TR times.	
110805	T2 Weighted MR Signal Intensity	Signal intensity of a T2 Weighted MR image. T2 Weighted image contrast state is approached by imaging with a TR long compared to tissue T1 (to reduce T1 contribution to image contrast) and a TE between the longest and shortest tissue T2s of interest.	

Code Value	Code Meaning	Definition	Notes
110806	T2* Weighted MR Signal Intensity	Signal intensity of a T2* Weighted MR image. The T2* phenomenon results from molecular interactions (spin spin relaxation) and local magnetic field non-uniformities, which cause the protons to precess at slightly different frequencies.	
110807	Field Map MR Signal Intensity	Signal intensity of a Field Map MR image. A Field Map MR image provides a direct measure of the B_0 inhomogeneity at each point in the image.	
110808	Fractional Anisotropy	Coefficient reflecting the fractional anisotropy of the tissues, derived from a diffusion weighted MR image. Fractional anisotropy is proportional to the square root of the variance of the Eigen values divided by the square root of the sum of the squares of the Eigen values.	Basser PJ, Pierpaoli C. Microstructural and physiological features of tissues elucidated by quantitative-diffusion-tensor MRI. J Magn Reson B. 1996 Jun;111(3):209-19. http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.162.2222&rep=rep1&type=pdf
110809	Relative Anisotropy	Coefficient reflecting the relative anisotropy of the tissues, derived from a diffusion weighted MR image.	Basser PJ, Pierpaoli C. Microstructural and physiological features of tissues elucidated by quantitative-diffusion-tensor MRI. J Magn Reson B. 1996 Jun;111(3):209-19. http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.162.2222&rep=rep1&type=pdf
110810	Volumetric Diffusion Dxx Component	Dxx Component of the diffusion tensor, quantifying the molecular mobility along the X axis.	
110811	Volumetric Diffusion Dxy Component	Dxy Component of the diffusion tensor, quantifying the correlation of molecular displacements in the X and Y directions.	
110812	Volumetric Diffusion Dxz Component	Dxz Component of the diffusion tensor, quantifying the correlation of molecular displacements in the X and Z directions.	
110813	Volumetric Diffusion Dyy Component	Dyy Component of the diffusion tensor, quantifying the molecular mobility along the Y axis.	
110814	Volumetric Diffusion Dyz Component	Dyz Component of the diffusion tensor, quantifying the correlation of molecular displacements in the Y and Z directions.	
110815	Volumetric Diffusion Dzz Component	Dzz Component of the diffusion tensor, quantifying the molecular mobility along the Z axis.	
110816	T1 Weighted Dynamic Contrast Enhanced MR Signal Intensity	Signal intensity of a T1 Weighted Dynamic Contrast Enhanced MR image. A T1 Weighted Dynamic Contrast Enhanced MR image reflects the dynamics of diffusion of the exogenous contrast media from the blood pool into the extra vascular extracellular space (EES) of the brain at a rate determined by the blood flow to the tissue, the permeability of the Brain Blood Barrier (BBB), and the surface area of the perfusing vessels.	

Code Value	Code Meaning	Definition	Notes
110817	T2 Weighted Dynamic Contrast Enhanced MR Signal Intensity	Signal intensity of a T2 Weighted Dynamic Contrast Enhanced MR image. A T2 Weighted Dynamic Contrast Enhanced MR image reflects the T2 of tissue decrease as the Gd contrast agent bolus passes through the brain.	
110818	T2* Weighted Dynamic Contrast Enhanced MR Signal Intensity	Signal intensity of a T2* Weighted Dynamic Contrast Enhanced MR image. A T2* Weighted Dynamic Contrast Enhanced MR image reflects the T2* of tissue decrease as the Gd contrast agent bolus passes through the brain.	
110819	Blood Oxygenation Level	Signal intensity of a Blood Oxygenation Level image. BOLD imaging is sensitive to blood oxygenation (but also to cerebral blood flow and volume). This modality is essentially used for detecting brain activation (functional MR).	
110820	Nuclear Medicine Projection Activity	Accumulated decay event counts in a nuclear medicine projection image.	
110821	Nuclear Medicine Tomographic Activity	Accumulated decay event counts in a Nuclear Medicine Tomographic image (including PET).	
110822	Spatial Displacement X Component	Spatial Displacement along axis X of a non linear deformable spatial registration image. The X axis is defined in reference to the patient's orientation, and is increasing to the left hand side of the patient.	
110823	Spatial Displacement Y Component	Spatial Displacement along axis Y of a non linear deformable spatial registration image. The Y axis is defined in reference to the patient's orientation, and is increasing to the posterior side of the patient.	
110824	Spatial Displacement Z Component	Spatial Displacement along axis Z of a Non linear deformable spatial registration image. The Z axis is defined in reference to the patient's orientation, and is increasing toward the head of the patient.	
110825	Hemodynamic Resistance	Measured resistance to the flow of blood. E.g., through the vasculature or through a heart value.	
110826	Indexed Hemodynamic Resistance	Measured resistance to the flow of blood. E.g., through the vasculature or through a heart value, normalized to a particular indexed scale.	
110827	Tissue Velocity	Velocity of tissue based on Doppler measurements.	
110828	Flow Velocity	Velocity of blood flow based on Doppler measurements.	
110829	Flow Variance	Statistical variance of blood velocity relative to mean.	
110830	Elasticity	Scalar value related to the elastic properties of the tissue.	
110831	Perfusion	Scalar value related to the volume of blood perfusing into tissue.	
110832	Speed of sound	Speed of sound in tissue.	
110833	Ultrasound Attenuation	Reduction in strength of ultrasound signal as the wave.	
110834	RGB R Component	Red component of a true color image (RGB).	
110835	RGB G Component	Green component of a true color image (RGB).	
110836	RGB B Component	Blue component of a true color image (RGB).	
110837	YBR FULL Y Component	Y (Luminance) component of a YBR FULL image, as defined in JPEG 2000.	
110838	YBR FULL CB Component	CB (Blue chrominance) component of a YBR FULL image, as defined in JPEG 2000.	

Code Value	Code Meaning	Definition	Notes
110839	YBR FULL CR Component	CR (Red chrominance) component of a YBR FULL image, as defined in JPEG 2000.	
110840	YBR PARTIAL Y Component	Y (Luminance) component of a YBR PARTIAL image, as defined in JPEG 2000.	
110841	YBR PARTIAL CB Component	CB (Blue chrominance) component of a YBR PARTIAL image, as defined in JPEG 2000.	
110842	YBR PARTIAL CR Component	CR (Red chrominance) component of a YBR PARTIAL image, as defined in JPEG 2000.	
110843	YBR ICT Y Component	Y (Luminance) component of a YBR ICT image (Irreversible Color Transform), as defined in JPEG 2000.	
110844	YBR ICT CB Component	CB (Blue chrominance) component of a YBR ICT image (Irreversible Color Transform), as defined in JPEG 2000.	
110845	YBR ICT CR Component	CR (Red chrominance) component of a YBR ICT image (Irreversible Color Transform), as defined in JPEG 2000.	
110846	YBR RCT Y Component	Y (Luminance) component of a YBR RCT image (Reversible Color Transform), as defined in JPEG 2000.	
110847	YBR RCT CB Component	CB (Blue chrominance) component of a YBR RCT image (Reversible Color Transform), as defined in JPEG 2000.	
110848	YBR RCT CR Component	CR (Red chrominance) component of a YBR RCT image (Reversible Color Transform), as defined in JPEG 2000.	
110849	Echogenicity	The ability of a material to create an ultrasound return echo.	
110850	X-Ray Attenuation	Decrease in the number of photons in an X-Ray beam due to interactions with the atoms of a material substance. Attenuation is due primarily to two processes, absorption and scattering.	
110851	*X-Ray Attenuation Coefficient*	*Coefficient that describes the fraction of a beam of X-Rays or gamma rays that is absorbed or scattered per unit thickness of the absorber. This value basically accounts for the number of atoms in a cubic cm volume of material and the probability of a photon being scattered or absorbed from the nucleus or an electron of one of these atoms.*	*Retired. Replaced by (112031, DCM, "Attenuation Coefficient").*
110852	MR signal intensity	Signal intensity of an MR image, not otherwise specified.	
110853	Binary Segmentation	Binary value denoting that the segmented property is present.	
110854	Fractional Probabilistic Segmentation	Probability, defined as a percentage, that the segmented property occupies the spatial area defined by the voxel.	
110855	Fractional Occupancy Segmentation	Percentage of the voxel area occupied by the segmented property.	
110856	Linear Displacement	Spatial dimension, denoting a linear displacement.	
110857	Photon Energy	Dimension denoting the energy (frequency or wavelength) of photons.	
110858	Time	Dimension used to sequence events, to compare the duration of events and the intervals between events.	
110859	Angle	Spatial dimension, denoting an angle.	
110860	Left-Right Axis	A spatial dimension axis running along a line between the patient's left and right side.	

Code Value	Code Meaning	Definition	Notes
110861	Head-Foot Axis	A spatial dimension axis running along a line between the patient's head and foot.	
110862	Anterior-Posterior Axis	A spatial dimension axis running along a line between the patient's anterior and posterior sides.	
110863	Apex-Base Axis	A spatial dimension axis running along a line between the apex and base of an organ, object, or chamber.	
110864	Anterior-Inferior Axis	A spatial dimension axis running along a line between the anterior and inferior sides of an organ, object, or chamber.	
110865	Septum-Wall Axis	A spatial dimension axis running along a line between the septum and wall of a chamber.	
110866	Right To Left	Orientation of a spatial dimension where increasing values run from the right to the left side of the patient.	
110867	Left To Right	Orientation of a spatial dimension where increasing values run from the left to the right side of the patient.	
110868	Head To Foot	Orientation of a spatial dimension where increasing values run from the head to the foot of the patient.	
110869	Foot To Head	Orientation of a spatial dimension where increasing values run from the foot to the head of the patient.	
110870	Anterior To Posterior	Orientation of a spatial dimension where increasing values run from the anterior to the posterior side of the patient.	
110871	Posterior To Anterior	Orientation of a spatial dimension where increasing values run from the posterior to the anterior side of the patient.	
110872	Apex To Base	Orientation of a spatial dimension where increasing values run from the apex to the base.	
110873	Base To Apex	Orientation of a spatial dimension where increasing values run from the base to the apex.	
110874	Anterior To Inferior	Orientation of a spatial dimension where increasing values run from the anterior to the inferior.	
110875	Inferior To Anterior	Orientation of a spatial dimension where increasing values run from the inferior to the anterior.	
110876	Septum To Wall	Orientation of a spatial dimension where increasing values run from the septum of a chamber to the opposite wall.	
110877	Wall To Septum	Orientation of a spatial dimension where increasing values run from the opposite wall to the septum of a chamber.	
110901	Image Position (Patient) X	The x coordinate of the upper left hand corner (center of the first voxel transmitted) of the image, with respect to the patient-based coordinate system.	
110902	Image Position (Patient) Y	The y coordinate of the upper left hand corner (center of the first voxel transmitted) of the image, with respect to the patient-based coordinate system.	
110903	Image Position (Patient) Z	The z coordinate of the upper left hand corner (center of the first voxel transmitted) of the image, with respect to the patient-based coordinate system.	

Code Value	Code Meaning	Definition	Notes
110904	Image Orientation (Patient) Row X	The x value of the first row direction cosine with respect to the patient, with respect to the patient-based coordinate system.	
110905	Image Orientation (Patient) Row Y	The y value of the first row direction cosine with respect to the patient, with respect to the patient-based coordinate system.	
110906	Image Orientation (Patient) Row Z	The z value of the first row direction cosine with respect to the patient, with respect to the patient-based coordinate system.	
110907	Image Orientation (Patient) Column X	The x value of the first column direction cosine with respect to the patient, with respect to the patient-based coordinate system.	
110908	Image Orientation (Patient) Column Y	The y value of the first column direction cosine with respect to the patient, with respect to the patient-based coordinate system.	
110909	Image Orientation (Patient) Column Z	The z value of the first column direction cosine with respect to the patient, with respect to the patient-based coordinate system.	
110910	Pixel Data Rows	Number of rows in the pixel data of the image.	
110911	Pixel Data Columns	Number of columns in the pixel data of the image.	
111000	Algorithm Family	The family of algorithm(s) that best describes the software algorithm used.	
111001	Algorithm Name	The name assigned by a manufacturer to a specific software algorithm.	
111002	Algorithm Parameters	The input parameters used by a manufacturer to configure the behavior of a specific software algorithm.	
111003	Algorithm Version	The software version identifier assigned by a manufacturer to a specific software algorithm.	
111004	Analysis Performed	The type of correlation applied to detection results. E.g., temporal, spatial.	
111005	Assessment Category	Assignment of intermediate or overall interpretation results to a general category.	
111006	*Breast composition*	*Assessment of annotating tissues in breast; generally including fatty, mixed or dense*	*Retired. Replaced by (129715009, SCT, "Breast composition").*
111007	Breast Outline including Pectoral Muscle Tissue	Purpose of reference for an SCOORD Content Item that is an outline of the breast that includes the pectoral muscle tissue	Purpose of Reference for Content Item of value type COMPOSITE or SCOORD
111008	Calcification Distribution	The type of distribution associated with detected calcifications.	
111009	Calcification Type	Identification of the morphology of detected calcifications.	
111010	Center	Purpose of reference for an SCOORD Content Item that identifies the central point of a finding or feature	Purpose of Reference for Content Item of value type COMPOSITE or SCOORD
111011	Certainty of Feature	The likelihood that the feature analyzed is in fact the type of feature identified.	
111012	Certainty of Finding	The likelihood that the finding detected is in fact the type of finding identified.	

Code Value	Code Meaning	Definition	Notes
111013	Certainty of Impression	The certainty that a device places on an impression, where 0 equals no certainty and 100 equals certainty.	
111014	Clockface or region	A location identifier based on clockface numbering or anatomic subregion.	
111015	Composite Feature	An item that is an inferred correlation relating two or more individual findings or features.	
111016	Composite type	The inferred relationship between the findings or features making up a composite feature.	
111017	CAD Processing and Findings Summary	General assessment of whether or not CAD processing was successful, and whether any findings resulted.	
111018	Content Date	The date the data creation started.	
111019	Content Time	The time the data creation started.	
111020	Depth	A location identifier based on a feature's inferred distance from the surface of the associated anatomy.	
111021	Description of Change	A textual description of the change that occurred over time in a qualitative characteristic of a feature.	
111022	Detection Performed	The type of finding sought after by a specific algorithm applied to one image.	
111023	Differential Diagnosis/Impression	A general change that occurred within an imaged area between a prior imaging procedure and the current imaging procedure.	
111024	Failed Analyses	A group of analysis algorithms that were attempted, but failed.	
111025	Failed Detections	A group of detection algorithms that were attempted, but failed.	
111026	Horizontal Pixel Spacing	For projection radiography, the horizontal physical distance measured at the front plane of an Image Receptor housing between the center of each pixel (spacing between the centers of adjacent columns). For tomographic images, the horizontal physical distance in the patient between the center of each pixel.	
111027	Image Laterality	Laterality of (possibly paired) body part contained in an image.	
111028	Image Library	A container that references all image data used as evidence to produce a report.	
111029	Image Quality Rating	A numeric value in the range 0 to 100, inclusive, where 0 is worst quality and 100 is best quality.	
111030	Image Region	Purpose of reference for an SCOORD Content Item that identifies a specific region of interest within an image	Purpose of Reference for Content Item of value type COMPOSITE or SCOORD
111031	Image View	The projection of the anatomic region of interest on an image receptor.	
111032	Image View Modifier	Modifier for Image View.	
111033	Impression Description	Free-form text describing the overall or an individual impression.	
111034	Individual Impression/Recommendation	A container for a group of related results from interpretation of one or more images and associated clinical information.	

Code Value	Code Meaning	Definition	Notes
111035	Lesion Density	The X-Ray attenuation of a lesion relative to the expected attenuation of an equal volume of fibroglandular breast tissue.	
111036	Mammography CAD Report	A structured report containing the results of computer-aided detection or diagnosis applied to breast imaging and associated clinical information.	
111037	Margins	The characteristic of the boundary, edges or border of a detected lesion.	
111038	Number of calcifications	The quantity of calcifications detected within an identified group or cluster.	
111039	Object type	A non-lesion object identified within one or more images.	
111040	Original Source	Purpose of reference for a COMPOSITE Content Item that identifies it as the original source of evidence for another Content Item in the report	Purpose of Reference for Content Item of value type COMPOSITE or SCOORD
111041	Outline	Purpose of reference for an SCOORD Content Item that identifies the outline or bounding region of a finding or feature	Purpose of Reference for Content Item of value type COMPOSITE or SCOORD
111042	Pathology	The inferred type of disease associated with an identified feature.	
111043	Patient Orientation Column	The patient orientation relative to the image plane, specified by a value that designates the anatomical direction of the positive column axis (top to bottom).	
111044	Patient Orientation Row	The patient orientation relative to the image plane, specified by a value that designates the anatomical direction of the positive row axis (left to right).	
111045	Pectoral Muscle Outline	Purpose of reference for an SCOORD Content Item that is an outline of the pectoral muscle tissue only	Purpose of Reference for Content Item of value type COMPOSITE or SCOORD
111046	Percent Fibroglandular Tissue	Percent of breast area that is mammographically dense, excluding pectoralis muscle.	
111047	Probability of cancer	The likelihood that an identified finding or feature is cancerous.	
111048	Quadrant location	A location identifier based on the division of an area into four regions.	
111049	Qualitative Difference	A qualitative characteristic of a feature that has changed over time.	
111050	Quality Assessment	The effect of the quality of an image on its usability.	
111051	Quality Control Standard	The quality control standard used to make a quality assessment.	
111052	Quality Finding	A specific quality related deficiency detected within an image.	
111053	Recommended Follow-up	Recommended type of follow-up to an imaging procedure, based on interpreted results.	
111054	Recommended Follow-up Date	Recommended follow-up date to an imaging procedure, based on interpreted results.	
111055	Recommended Follow-up Interval	Recommended follow-up interval to an imaging procedure, based on interpreted results.	

Code Value	Code Meaning	Definition	Notes
111056	Rendering Intent	The recommendation of the producer of a Content Item regarding presentation of the Content Item by recipients of the report.	
111057	Scope of Feature	An indication of how widespread the detection of a feature is within the analyzed image data.	
111058	Selected Region Description	A textual description of the contents of a selected region identified within an image.	
111059	Single Image Finding	An item that was detected on one image.	
111060	Study Date	Date on which the acquisition of the study information was started.	
111061	Study Time	Time at which the acquisition of the study information was started.	
111062	Successful Analyses	A group of analysis algorithms that were attempted and completed successfully.	
111063	Successful Detections	A group of detection algorithms that were attempted and completed successfully.	
111064	Summary of Detections	An overall indication of whether the CAD detection algorithms applied were completed successfully.	
111065	Summary of Analyses	An overall indication of whether the CAD analysis algorithms applied were completed successfully.	
111066	Vertical Pixel Spacing	For projection radiography, the vertical physical distance measured at the front plane of an Image Receptor housing between the center of each pixel (spacing between the centers of adjacent rows). For tomographic images, the vertical physical distance in the patient between the center of each pixel.	
111069	Crosstable	A radiographic projection that has been with the patient lying on a table with the X-Ray source on one side of the table and the detector on the other. E.g., may describe a cross-table cervical spine, chest or pelvis X-Ray image.	
111071	CAD Operating Point	One of a number of discrete points on the Receiver-Operator Characteristics (ROC) curve that reflects the expected sensitivity and specificity of a CAD algorithm, where zero indicates the highest specificity, lowest sensitivity operating point. The value should not exceed the Maximum CAD Operating Point.	
111072	Maximum CAD Operating Point	The maximum value of CAD Operating Point for the specific CAD algorithm used.	
111081	CAD Operating Point Description	The intended interpretation of a CAD Operating Point.	
111086	False Markers per Image	The number of false CAD markers per image. Correlates to inverse of Image Specificity.	
111087	False Markers per Case	The number of false markers per collection of images that are CAD processed as a group. Correlates to inverse of Case Specificity.	
111088	Case Sensitivity	The percentage of cancers that should be detected by a CAD algorithm where CAD marks the cancers in at least one view.	
111089	Lesion Sensitivity	The percentage of cancers that should be detected by a CAD algorithm where CAD marks the cancers in each view.	

Code Value	Code Meaning	Definition	Notes
111090	Case Specificity	The percentage of cases (collections of images CAD processed as a group) without cancer that have no CAD findings whatsoever. Correlates to inverse of False Markers per Case.	
111091	Image Specificity	The percentage of images without cancer that have no CAD findings whatsoever. Correlates to inverse of False Markers per Image.	
111092	Recommended CAD Operating Point	The CAD operating point that is recommended for initial display by the creator of the structured report.	
111093	CAD Operating Point Table	A list of CAD operating points including their corresponding characteristics.	
111099	Selected region	A specific area of interest noted within an image.	
111100	Breast geometry	The surface shape of all or a portion of breast related anatomy.	
111101	Image Quality	Image quality incorporates the following clinical image evaluation parameters: assessment of positioning, compression, artifacts, exposure, contrast, sharpness, and labeling.	
111102	Non-lesion	A finding or feature that is identified as a non-anatomic foreign object.	
111103	*Density*	*A space-occupying lesion identified in a single image or projection*	*Retired. Replaced by (129793001, SCT, "Mammography breast density").*
111104	*Individual Calcification*	*A single identified calcification*	*Retired. Replaced by (129770007, SCT, "Individual Calcification").*
111105	*Calcification Cluster*	*Multiple calcifications identified as occupying a small area of tissue (less than 2 cc)*	*Retired. Replaced by (129769006, SCT, "Calcification Cluster").*
111111	Cooper's ligament changes	Straightening or thickening of Cooper's ligaments.	
111112	Mass in the skin	An abnormality noted at imaging within the dermis of the breast.	
111113	Mass on the skin	An abnormality noted at imaging on the epidermis of the breast.	
111120	Post Procedure Mammograms for Marker Placement	An assessment category to indicate that images have been acquired to assess marker placement following a breast interventional procedure.	
111121	Follow-up post biopsy as directed by clinician	An indication that the patient should seek post procedural follow-up directives from a clinical health care provider.	
111122	Known biopsy proven malignancy - take appropriate action	A recommendation on a patient with known cancer to take steps appropriate to the diagnosis.	
111123	Marker placement	Positioning of a radiopaque marker.	
111124	Personal history of breast cancer with mastectomy	Patient has previous diagnosis of breast cancer resulting in mastectomy.	
111125	Known biopsy proven malignancy	Patient has had biopsy containing proven malignancy.	
111126	Image detected mass	Patient has a finding of mass reported on a prior imaging exam.	

Code Value	Code Meaning	Definition	Notes
111127	Targeted	A breast imaging procedure performed on a specific area of the breast.	
111128	Survey	A breast imaging procedure performed on the entire breast.	
111129	Clustered microcysts	A cluster of tiny anechoic foci each smaller than 2-3 mm in diameter with thin (less than 0.5 mm) intervening septations and no discrete solid components.	
111130	Complicated cyst	A fluid filled mass most commonly characterized by homogeneous low-level internal echoes on ultrasound.	
111135	Additional projections	Views not inclusive of MLO and CC (BI-RADS®).	
111136	Spot magnification view(s)	A spot or coned down compression of the breast providing a reduction in the thickness and a magnification of the localized area of interest and improved separation of breast tissue.	
111137	*Ultrasound*		*Retired. Replaced by (16310003, SCT, "Diagnostic ultrasonography").*
111138	Old films for comparison	Obtain previous mammography studies to compare to present study.	
111139	*Ductography*	*A medical procedure used for the sampling of mammary duct tissue*	*Retired. Replaced by (18102001, SCT, "Mammary ductogram").*
111140	Normal interval follow-up	Follow up study at 12 months for women ≥ 40 years of age having a prior negative study and no mitigating risk factors for breast cancer.	
111141	Any decision to biopsy should be based on clinical assessment	Any decision to perform tissue acquisition should be based on clinical assessment.	
111142	Follow-up at short interval (1-11 months)	Follow-up at short interval (1-11 months).	
111143	Biopsy should be considered	Tissue acquisition should be considered.	
111144	Needle localization and biopsy	Breast tissue acquisition following the identification of an area of concern with the placement of a needle or needle-wire assembly.	
111145	Histology using core biopsy	Pathologic analysis of breast tissue and lesions using core tissue samples.	
111146	Suggestive of malignancy - take appropriate action	Lesions that do not have the characteristic morphologies of breast cancer but have a definite probability of being malignant. There is a sufficient concern to urge a biopsy.	
111147	Cytologic analysis	Cellular analysis of specimen.	
111148	Biopsy should be strongly considered	Tissue acquisition should be strongly considered.	
111149	Highly suggestive of malignancy - take appropriate action	Lesions have a high probability of being cancer, which require additional action.	
111150	Presentation Required: Rendering device is expected to present	The producer of a report intends for a recipient of the report to present or display the associated Content Item.	
111151	Presentation Optional: Rendering device may present	The producer of a report considers the presentation or display of the associated Content Item by a recipient to be optional.	

Code Value	Code Meaning	Definition	Notes
111152	Not for Presentation: Rendering device expected not to present	The producer of a report intends for a recipient of the report NOT to present or display the associated Content Item.	
111153	Target content items are related temporally	The associated Content Items are identified as being the same finding or feature at different points in time.	
111154	Target content items are related spatially	The associated Content Items are identified as being the same finding or feature on different projections taken at the same point in time.	
111155	Target content items are related contra-laterally	The associated Content Items are identified as being related side-to-side.	
111156	Feature detected on the only image	There is one image in the interpreted data.	
111157	Feature detected on only one of the images	There is more than one image of the same modality in the interpreted data.	
111158	Feature detected on multiple images	There is more than one image of the same modality in the interpreted data.	
111159	Feature detected on images from multiple modalities	The interpreted data contains images from multiple modalities.	
111168	*Scar tissue*	*The fibrous tissue replacing normal tissues destroyed by disease or injury*	*Retired. Replaced by (12402003, SCT, "Scar tissue").*
111170	*J Wire*	*A medical appliance used for localization of non palpable breast lesions to insure that the proper area is removed in a surgical biopsy*	*Retired. Replaced by (129463006, SCT, "J Wire").*
111171	*Pacemaker*	*A medical appliance used for regulating cardiac rhythms*	*Retired. Replaced by (118378005, SCT, "Cardiac Pacemaker").*
111172	*Paddle*	*A compression device used for obtaining mammographic images*	*Retired. Replaced by (129460009, SCT, "Compression paddle").*
111173	*Collimator*	*A device used for restricting an X-Ray beam*	*Retired. Replaced by (228761004, SCT, "Collimator").*
111174	*ID Plate*	*An area designated on a radiographic film for facility and patient ID information*	*Retired. Replaced by (129467007, SCT, "ID Plate").*
111175	Other Marker	Site specific markers.	
111176	Unspecified	The value of the concept is not specified	This term may not be used in Context Group Extensions; see Section 7.2.3
111177	View and Laterality Marker is missing	Image quality deficiency according to MQSA.	
111178	View and Laterality Marker does not have both view and laterality	Image quality deficiency according to MQCM.	
111179	View and Laterality Marker does not have approved codes	Image quality deficiency according to MQCM.	
111180	View and Laterality Marker is not near the axilla	Image quality deficiency according to MQCM.	
111181	View and Laterality Marker overlaps breast tissue	Image quality deficiency according to MQCM.	

Code Value	Code Meaning	Definition	Notes
111182	View and Laterality Marker is partially obscured	Image quality deficiency according to MQCM.	
111183	View and Laterality Marker is incorrect	Image quality deficiency.	
111184	View and Laterality Marker is off image	Image quality deficiency.	
111185	Flash is not near edge of film	Image quality deficiency according to MQCM.	
111186	Flash is illegible, does not fit, or is lopsided	Image quality deficiency according to MQSA.	
111187	Flash doesn't include patient name and additional patient id	Image quality deficiency according to MQCM.	
111188	Flash doesn't include date of examination	Image quality deficiency according to MQCM.	
111189	Flash doesn't include facility name and location	Image quality deficiency according to MQSA.	
111190	Flash doesn't include technologist identification	Image quality deficiency according to MQCM.	
111191	Flash doesn't include cassette/screen/detector identification	Image quality deficiency according to MQCM.	
111192	Flash doesn't include mammography unit identification	Image quality deficiency according to MQCM.	
111193	Date sticker is missing	Image quality deficiency according to MQCM.	
111194	Technical factors missing	Image quality deficiency according to MQCM.	
111195	Collimation too close to breast	Image quality deficiency according to MQCM.	
111196	Inadequate compression	Image quality deficiency according to MQCM.	
111197	MLO Insufficient pectoral muscle	Image quality deficiency according to MQCM.	
111198	MLO No fat is visualized posterior to fibroglandular tissues	Image quality deficiency according to MQCM.	
111199	MLO Poor separation of deep and superficial breast tissues	Image quality deficiency according to MQCM.	
111200	MLO Evidence of motion blur	Image quality deficiency according to MQCM.	
111201	MLO Inframammary fold is not open	Image quality deficiency according to MQCM.	
111202	CC Not all medial tissue visualized	Image quality deficiency according to MQCM.	
111203	CC Nipple not centered on image	Image quality deficiency according to MQCM.	
111204	CC Posterior nipple line does not measure within 1 cm of MLO	Image quality deficiency according to MQCM.	
111205	Nipple not in profile	Image quality deficiency.	
111206	Insufficient implant displacement incorrect	Image quality deficiency according to MQCM.	
111207	Image artifact(s)	Signals that do not faithfully reproduce actual anatomic structures because of distortion or of addition or deletion of information.	

Code Value	Code Meaning	Definition	Notes
111208	Grid artifact(s)	Feature(s) arising from the acquisition unit's anti-scatter grid mechanism. For two-dimensional systems, such features include those of mechanically damaged or incorrectly positioned grids. For moving or Bucky grids, artifacts may result from intentional grid motion that is inadequate in duration or velocity uniformity.	
111209	Positioning	Inadequate arrangement of the anatomy of interest with respect to the X-Ray field and image detector sensitive area. Examples: 1) positioning is "cutoff" when the projection of anatomy of interest falls outside the sensitive area of the detector; 2) "cone cut", in which the X-Ray field does not adequately cover the anatomy of interest; 3) detector's sensitive surface is too small to cover the projection of the anatomy of interest; 4) improper angular orientation or "rotation" of anatomy of interest with respect to the X-Ray source, or detector; 5) projection of other anatomy or clothing over the anatomy of interest in the image.	
111210	Motion blur	Unacceptable image blur resulting from motion of the anatomy of interest during exposure or the inadequately compensated motion of X-Ray source with respect to the image detector during exposure.	
111211	Under exposed	Inadequate number of quanta reached the detector during exposure. Reasons for under exposed images include low kVp, low mAs product, excess Source Image Distance. Under exposed images have inadequate signal and higher noise in the areas of interest.	
111212	Over exposed	An excess number of quanta reached the detector during exposure. Reasons for over exposed images include high kVp, high mAs product, short Source Image Distance. Over exposed images have high signal and lower noise in the areas of interest. Over exposed area may demonstrate lack of contrast from over saturation of the detector.	
111213	No image	No evidence of a patient exposure.	
111214	Detector artifact(s)	Superposed features or flaws of the detector.	
111215	Artifact(s) other than grid or detector artifact	Features or discontinuities arising from causes other than the anti-scatter grid and image detector.	
111216	Mechanical failure	Failure of the device to operate according to mechanical design specifications.	
111217	Electrical failure	Failure of a device to operate according to electrical design specifications.	
111218	Software failure	Attributable to software used in generation or handling of image.	
111219	Inappropriate image processing	Images processed inappropriately, not following appropriate protocol.	
111220	Other failure	Failure that is not mechanical or electrical or otherwise described.	
111221	Unknown failure	Unidentified or unknown cause of failure.	
111222	Succeeded	The attempted process was completely successful.	
111223	Partially Succeeded	The attempted process succeeded in some ways, but failed in others.	

Code Value	Code Meaning	Definition	Notes
111224	Failed	The attempted process completely failed.	
111225	Not Attempted	No process was performed.	
111233	Individual Impression / Recommendation Analysis	Analysis of a related group of findings or features detected during image data inspection, to produce a summary impression and/or recommendation.	
111234	Overall Impression / Recommendation Analysis	Analysis of all groups of findings or features, to produce a single impression and/or recommendation.	
111235	Unusable - Quality renders image unusable	The usability of an image for diagnostic interpretation or CAD, based on a quality control standard.	
111236	Usable - Does not meet the quality control standard	The usability of an image for diagnostic interpretation or CAD, based on a quality control standard.	
111237	Usable - Meets the quality control standard	The usability of an image for diagnostic interpretation or CAD, based on a quality control standard.	
111238	Mammography Quality Control Manual 1999, ACR	An image quality control standard specified by the American College of Radiology.	
111239	Title 21 CFR Section 900, Subpart B	An image quality control standard in the US Code of Federal Regulations.	
111240	Institutionally defined quality control standard	An image quality control standard specified or adopted by the institution responsible for the document.	
111241	All algorithms succeeded; without findings	No findings resulted upon successful completion of all attempted computer-aided detection and/or analysis.	
111242	All algorithms succeeded; with findings	One or more findings resulted upon successful completion of all attempted computer-aided detection and/or analysis.	
111243	Not all algorithms succeeded; without findings	No findings resulted from the attempted computer-aided detection and/or analysis, but one or more failures occurred in the process.	
111244	Not all algorithms succeeded; with findings	One or more findings resulted from the attempted computer-aided detection and/or analysis, but one or more failures occurred in the process.	
111245	No algorithms succeeded; without findings	All of the attempted computer-aided detection and/or analysis failed, so there could be no findings.	
111248	*Adenolipoma*	*A benign tumor having glandular characteristics but composed of fat, with the presence of normal mammary ducts*	*Retired. Replaced by (22024005, SCT, "Adenolipoma").*
111249	*Ductal hyperplasia*		*Retired. Replaced by (67617000, SCT, "Ductal hyperplasia, Usual").*
111250	*Adenomyoepithelioma*	*Neoplasms composed of myoepithelial cells*	*Retired. Replaced by (128765009, SCT, "Adenomyoepithelioma").*
111251	Normal axillary node	Axillary node that is normal in appearance with no associated pathology.	
111252	Axillary node with calcifications	Axillary node containing calcifications.	
111253	Axillary node hyperplasia	Excessive proliferation of normal tissue arrangement of the axillary node.	

Code Value	Code Meaning	Definition	Notes
111254	*Asynchronous involution*		*Retired. Replaced by (130963002, SCT, "Asynchronous involution of breast").*
111255	Benign cyst with blood	Cyst with benign morphology containing blood.	
111256	Benign Calcifications	Calcifications having typically benign morphology. They are not of intermediate or high probability of concern for malignancy.	
111257	*Intracystic papilloma*	*Growing within a cystic adenoma, filling the cavity with a mass of branching epithelial processes*	*Retired. Replaced by (47488001, SCT, "Intracystic papilloma").*
111258	Ductal adenoma	Adenoma located in mammary duct, present as discrete sclerotic nodules, solitary or multiple.	
111259	Diabetic fibrous mastopathy	The occurrence of fibrous tumor-forming stromal proliferation in patients with diabetes mellitus.	
111260	*Extra abdominal desmoid*	*A deep seated firm tumor frequently occurring on the chest consisting of collagenous tissue that infiltrates surround muscle; frequently recurs but does not metastasize*	*Retired. Replaced by (47284001, SCT, "Extra abdominal desmoid").*
111262	*Epidermal inclusion cyst*	*A cyst formed of a mass of epithelial cells, as a result of trauma has been pushed beneath the epidermis. The cyst is lined with squamous epithelium and contains concentric layers or keratin*	*Retired. Replaced by (419670003, SCT, "Epidermal inclusion cyst").*
111263	Fibroadenomatoid hyperplasia	Excessive proliferation of fibroadenoma tissue.	
111264	Fibroadenolipoma	A lipoma with an abundant stroma of fibrous tissue.	
111265	*Foreign body (reaction)*		*Retired. Replaced by (37058002, SCT, "Foreign body (reaction) ").*
111269	*Galactocele*	*Retention cyst caused by occlusion of a lactiferous duct*	*Retired. Replaced by (42385006, SCT, "Galactocele").*
111271	*Hemangioma - nonparenchymal, subcutaneous*	*A congenital anomaly that leads to a proliferation of blood vessels leading to a mass that resembles a neoplasm, not located in parenchymal areas but subcutaneous*	*Retired. Replaced by (93473009, SCT, "Hemangioma of subcutaneous tissue").*
111273	*Hyperplasia, usual*		*Retired. Replaced by (76197007, SCT, "Hyperplasia, usual").*
111277	Juvenile papillomatosis	A form of fibrocystic disease in young woman with florid and sclerosing adenosis that microscopically may suggest carcinoma.	
111278	*Lactating adenoma*	*Enlarging masses during lactation. A circumscribed benign tumor composed primarily of glandular structures with scanty stroma, with prominent secretory changes in the duct*	*Retired. Replaced by (128651002, SCT, "Lactating adenoma").*
111279	Lactational change	Changes related to the process of lactation.	
111281	Large duct papilloma	A papilloma pertaining to large mammary duct.	
111283	*Myofibroblastoma*	*Solitary or multiple tumors of muscles and fibrous tissues, or tumors composed of myofibroblasts*	*Retired. Replaced by (128738002, SCT, "Myofibroblastoma").*

Code Value	Code Meaning	Definition	Notes
111284	Microglandular adenosis	Irregular clusters of small tubules are present in adipose or fibrous tissue, resembling tubular carcinoma but lacking stromal fibroblastic proliferation.	
111285	Multiple Intraductal Papillomas	Papilloma typically involving an aggregate of adjacent ducts in the periphery of the breast, likely representing involvement of several foci of one or two duct systems.	
111286	No abnormality	No abnormality.	
111287	Normal breast tissue	Normal breast tissue.	
111288	*Neurofibromatosis*	*Condition in which there are tumors of various sizes on peripheral nerves. They may be neuromas or fibromas*	*Retired. Replaced by (81669005, SCT, "Neurofibromatosis").*
111290	Oil cyst (fat necrosis cyst)	A cyst resulting from the loss of the epithelial lining of a sebaceous dermoid or lacteal cyst.	
111291	Post reduction mammoplasty	Breast tissue with characteristics of a benign nature, following breast reduction surgery.	
111292	Pseudoangiomatous stromal hyperplasia	A benign stromal lesion composed of intermixed stromal and epithelial elements. The lobular and duct structures of the breast parenchyma are separated by an increased amount of stroma, non specific proliferative epithelial changes include hyperplasia of duct and lobular epithelium often with accentuation of myoepithelial cells and aprocine metaplasia with or without cyst formation.	
111293	*Radial scar*	*An nonencapsulated stellate lesion consisting of a fibroelastic core and radiating bands of fibrous connective tissue containing lobules manifesting adenosis and ducts with papillary or diffuse intraductal hyperplasia*	*Retired. Replaced by (133855003, SCT, "Radial scar").*
111294	*Sclerosing adenosis*	*Prominent interductal fibrosis of the terminal ductules*	*Retired. Replaced by (50916005, SCT, "Sclerosing adenosis").*
111296	Silicone granuloma	Nodular inflammatory lesions due to the presence of silicone in the breast tissue.	
111297	Nipple Characteristic	The morphologic status of the nipple.	
111298	Virginal hyperplasia	Spontaneous excessive proliferation of breast tissue, usually found in younger women.	
111299	Peripheral duct papillomas	Papilloma(s) pertaining the peripheral ducts.	
111300	Axillary node with lymphoma	Axillary node with lymphoid tissue neoplasm.	
111301	Axillary nodal metastases	Metastatic disease to the axillary node.	
111302	*Angiosarcoma*	*A malignant neoplasm occurring most often in breast and skin, believed to originate from endothelial cells of blood vessels, microscopically composed of closely packed round or spindle shaped cells, some of which line small spaces resembling vascular clefts*	*Retired. Replaced by (39000009, SCT, "Angiosarcoma").*
111303	Blood vessel (vascular) invasion	Histological changes to the vascular system related to an invasive process.	
111304	Carcinoma in children	Carcinoma of the breast found in patients less than 20 years of age.	
111305	Carcinoma in ectopic breast	A carcinoma found in supernumerary breasts and aberrant breast tissue.	

Code Value	Code Meaning	Definition	Notes
111306	Carcinoma with endocrine differentiation	A carcinoma that synthesizes substances, including hormones, not considered to be normal products of the breast.	
111307	Basal cell carcinoma of nipple	A basal cell carcinoma that arises in the nipple of the breast.	
111308	*Carcinoma with metaplasia*		*Retired. Replaced by (22694002, SCT, "Carcinoma with metaplasia").*
111309	Cartilaginous and osseous change	Tissue changes to bones and cartilage.	
111310	Carcinoma in pregnancy and lactation	Carcinoma of the breast presenting during pregnancy or lactation.	
111311	*Carcinosarcoma*	*A malignant neoplasm that contains elements of carcinoma and sarcoma, so extensively intermixed as to indicate neoplasia of epithelial and mesenchymal tissue*	*Retired. Replaced by (63264007, SCT, "Carcinosarcoma").*
111312	Intraductal comedocarcinoma with necrosis	Comedocarcinoma of a duct with areas of necrotic tissue.	
111313	Intraductal carcinoma, low grade	A non-invasive carcinoma restricted to the glandular lumen characterized by less aggressive malignant cytologic features and behavior.	
111314	*Intraductal carcinoma micro-papillary*		*Retired. Replaced by (128696009, SCT, "Intraductal carcinoma micro-papillary").*
111315	Intracystic papillary carcinoma	A malignant neoplasm characterized by the formation of numerous, irregular, finger-like projections of fibrous stroma that is covered with a surface layer of neoplastic epithelial cells found in a cyst.	
111316	Invasive and in-situ carcinoma	Carcinoma with both characteristics of localized and spreading disease.	
111317	*Invasive lobular carcinoma*		*Retired. Replaced by (89740008, SCT, "Invasive lobular carcinoma").*
111318	Leukemic infiltration	Mammary infiltrates as a secondary manifestation in patients with established leukemia.	
111320	Lympathic vessel invasion	Histological changes to the lymphatic system related to an invasive process.	
111321	*Lymphoma*	*A heterogeneous group of neoplasms arising in the reticuloendoethelial and lymphatic systems*	*Retired. Replaced by (21964009, SCT, "Lymphoma").*
111322	Occult carcinoma presenting with axillary lymph node metastases	A small carcinoma, either asymptomatic or giving rise to metastases without symptoms due to the primary carcinoma presenting with metastatic disease in the axillary lymph nodes.	
111323	Metastatic cancer to the breast	A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a non-mammary malignant neoplasm.	
111324	Metastatic cancer to the breast from the colon	A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the colon.	

Code Value	Code Meaning	Definition	Notes
111325	Metastatic cancer to the breast from the lung	A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the lung.	
111326	Metastatic melanoma to the breast	A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a melanoma.	
111327	Metastatic cancer to the breast from the ovary	A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the ovary.	
111328	Metastatic sarcoma to the breast	A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a sarcoma.	
111329	Multifocal intraductal carcinoma	Multiple foci of non-invasive carcinoma restricted to the glandular lumen.	
111330	Metastatic disease to axillary node	A malignant lesion in an axillary node arising from a non-axillary neoplasm.	
111331	*Malignant fibrous histiocytoma*		*Retired. Replaced by (34360000, SCT, "Malignant fibrous histiocytoma").*
111332	Multifocal invasive ductal carcinoma	Multiple sites of ductal carcinoma.	
111333	Metastasis to an intramammary lymph node	A malignant lesion in a intramammary lymph node arising from a non-intramammary lymph node neoplasm.	
111334	Malignant melanoma of nipple	A malignant melanoma of the skin that arises in the nipple of the breast.	
111335	*Neoplasm of the mammary skin*		*Retired. Replaced by (126510002, SCT, "Neoplasm of the mammary skin").*
111336	*Papillary carcinoma in-situ*		*Retired. Replaced by (10376009, SCT, "Papillary carcinoma in-situ").*
111338	Recurrent malignancy	Recurrent malignancy.	
111340	Squamous cell carcinoma of the nipple	Squamous cell carcinoma to the terminal portion of the alveolar.	
111341	Intraductal carcinoma, high grade	A non-invasive carcinoma restricted to the glandular lumen characterized by more aggressive malignant cytologic features and behavior.	
111342	*Invasive cribriform carcinoma*		*Retired. Replaced by (30156004, SCT, "Invasive cribriform carcinoma").*
111343	Angular margins	An indication that some or all of the margin of a lesion has sharp corners, often forming acute angles.	
111344	Fine pleomorphic calcification	Calcifications that vary in sizes and shapes and are usually smaller than0.5 mm in diameter.	
111345	Macrocalcifications	Coarse calcifications that are 0.5 mm or greater in size.	
111346	Calcifications within a mass	An indicator that calcifications are imbedded within a mass.	
111347	Calcifications outside of a mass	An indicator that calcifications are imaged outside of a mass finding.	
111350	Breast background echotexture	Tissue composition of the breast noted on sonography.	

Code Value	Code Meaning	Definition	Notes
111351	Homogeneous fat echotexture	Fat lobules and uniformly echogenic bands of supporting structures comprise the bulk of breast tissue.	
111352	Homogeneous fibroglandular echotexture	A uniformly echogenic layer of fibroglandular tissue is seen beneath a thin layer of subcutaneous fat.	
111353	Heterogeneous echotexture	The breast texture is characterized by multiple small areas of increased and decreased echogenicity.	
111354	Orientation	Referential relationship of the finding to the imaging device as noted on sonography.	
111355	Parallel	The long axis of a lesion parallels the skin line ("wider-than-tall" or in a horizontal orientation).	
111356	Not parallel	The anterior-posterior or vertical dimension is greater than the transverse or horizontal dimension.	
111357	Lesion boundary	The lesion boundary describes the transition zone between the mass and the surrounding tissue.	
111358	Abrupt interface	The sharp demarcation between the lesion and surrounding tissue can be imperceptible or a distinct well-defined echogenic rim of any thickness.	
111359	Echogenic halo	There is no sharp demarcation between the mass and the surrounding tissue, which is bridged by an echogenic transition zone.	
111360	Echo pattern	An imaging characteristic of resonance noted during sonography.	
111361	Anechoic	Without internal echoes.	
111362	Hyperechoic	Having increased echogenicity relative to fat or equal to fibroglandular tissue.	
111363	Complex	Mass contains both anechoic and echogenic components.	
111364	Hypoechoic	Defined relative to fat; masses are characterized by low-level echoes throughout. E.g., appearance of a complicated cyst or fibroadenoma.	
111365	Isoechoic	Having the same echogenicity as fat (a complicated cyst or fibroadenoma may be isoechoic or hypoechoic).	
111366	Posterior acoustic features	The attenuation characteristics of a mass with respect to its acoustic transmission.	
111367	No posterior acoustic features	No posterior shadowing or enhancement.	
111368	Posterior enhancement	Increased posterior echoes.	
111369	Posterior shadowing	Decreased posterior echoes; edge shadows are excluded.	
111370	Combined posterior enhancement and shadowing	More than one pattern of posterior attenuation, both shadowing and enhancement.	
111371	Identifiable effect on surrounding tissues	Sonographic appearance of adjacent structures relative to a mass finding.	
111372	Vascularity	Characterization of vascularization in region of interest.	
111373	Vascularity not present	Vascularity not evident, such as on ultrasound.	
111374	Vascularity not assessed	Vascularity not evaluated.	
111375	Vascularity present in lesion	Vascularity on imaging is seen within a lesion.	
111376	Vascularity present immediately adjacent to lesion	Vascularity on imaging is seen immediately adjacent to a lesion.	

Code Value	Code Meaning	Definition	Notes
111377	Diffusely increased vascularity in surrounding tissue	Vascularity on imaging is considered diffusely elevated within the surrounding breast tissue.	
111380	Correlation to other Findings	Relationship of the new anomaly to other clinical or imaging anomalies.	
111381	Correlates to physical exam findings	An indication that the current imaging finding relates to a finding from a clinical breast exam.	
111382	Correlates to mammography findings	An indication that the current imaging finding relates to a finding from a mammography exam.	
111383	Correlates to MRI findings	An indication that the current imaging finding relates to a finding from a breast MRI exam.	
111384	Correlates to ultrasound findings	An indication that the current imaging finding relates to a finding from a breast ultrasound exam.	
111385	Correlates to other imaging findings	An indication that the current imaging finding relates to a finding from an imaging exam.	
111386	No correlation to other imaging findings	An indication that the current imaging finding has no relation to findings from any other imaging exam.	
111387	No correlation to clinical findings	An indication that the current imaging finding has no relation to any other clinical findings.	
111388	Malignancy Type	Classification of the cancer as invasive, DCIS, or other.	
111389	Invasive breast carcinoma	A malignancy that has spread beyond an area of focus.	
111390	Other malignancy type	A breast cancer with malignant pathology findings that are not classified as invasive or in situ.	
111391	Menstrual Cycle Phase	A specific timeframe during menses.	
111392	1st week	In the first week of the menstrual cycle phase, that is, one week following menses.	
111393	2nd week	In the second week of the menstrual cycle phase, that is, two weeks following menses.	
111394	3rd week	In the third week of the menstrual cycle phase, that is, three weeks following menses.	
111395	Estimated Timeframe	An estimated period of time.	
111396	< 3 months ago	An event occurred less than 3 months ago.	
111397	4 months to 1 year ago	An event occurred between 4 months and 1 year ago.	
111398	> 1 year ago	An event occurred longer than 1 year ago.	
111399	Timeframe uncertain	The timing of an event is not recalled.	
111400	Breast Imaging Report	Report title for the diagnostic report for one or more breast imaging or intervention procedures.	
111401	Reason for procedure	Concept name for the description of why a procedure has been performed.	
111402	Clinical Finding	A finding during clinical examination (i.e., history and physical examination) such as pain, palpable mass or discharge.	
111403	Baseline screening mammogram	First screening mammogram taken for patient that is used as a comparison baseline for further examinations.	
111404	First mammogram ever	First mammogram taken for a patient without regard to whether it was for screening or a diagnostic procedure.	
111405	Implant type	Concept name for the material of which a breast prosthetic device is constructed.	

Code Value	Code Meaning	Definition	Notes
111406	Number of similar findings	A numeric count of findings classified as similar in nature.	
111407	Implant finding	Concept name for the status of a breast prosthetic device as noted by imaging.	
111408	Film Screen Mammography	Mammogram using traditional X-Ray film.	
111409	Digital Mammography	Mammogram using a digital image acquisition system.	
111410	Surgical consult	Referred for evaluation by a surgeon.	
111411	Mammography CAD	Computer aided detection and/or computer aided diagnosis for mammography.	
111412	Narrative Summary	Concept name for a text-based section of a report.	
111413	Overall Assessment	A title for a report section that summarizes all interpretation results for a report with one overriding assessment. E.g., benign or negative.	
111414	Supplementary Data	Concept name for a collection of supporting evidence for a report.	
111415	Additional evaluation requested from prior study	Prior study indicates that additional imaging be performed to further evaluate a suspicious or questionable anatomic region.	
111416	Follow-up at short interval from prior study	The prior study recommended a follow-up breast imaging exam in 1 to 11 months (generally in 6 months).	
111417	History of breast augmentation, asymptomatic	Prior breast augmentation (breast enlargement) and is not presenting with any symptoms.	
111418	Review of an outside study	Review or second opinion made on an image performed outside of the facility.	
111419	Additional evaluation requested from abnormal screening exam	Additional breast imaging performed at the time of the patient's screening mammogram.	
111420	History of benign breast biopsy	Patient has had previous benign breast biopsies.	
111421	Personal history of breast cancer with breast conservation therapy	Patient has had a prior surgery such as a lumpectomy or quadrantectomy to remove malignant breast tissue, but breast tissue remains.	
111423	Physical Examination Results	The results of a physical examination performed on the patient, possibly including the results of inspection, palpation, auscultation, or percussion.	
111424	Comparison to previous findings	The result of assessing the current imaging exam in comparison to previous imaging exams.	
111425	Intraluminal filling defect	An abnormality observed during ductography where the ductal system within the breast fills in an abnormal pattern. Ductography is an imaging exam in which a radio opaque contrast media is introduced into the ductal system of the breast through the nipple and images of the ductal system are obtained.	
111426	Multiple filling defect	During ductography an observation of more than one filling abnormality within the breast ductal system.	
111427	Abrupt duct termination	An abnormality observed during ductography where the ductal system within the breast terminates in an unusual fashion.	
111428	Extravasation	Abnormal flowage of contrast media within the breast noted on ductography.	
111429	Duct narrowing	An abnormality observed during ductography where the ductal system within the breast appears narrow.	

Code Value	Code Meaning	Definition	Notes
111430	Cyst fill	During ductography an observation of the contrast media filling a cyst within the breast.	
111431	Instrument Approach	The area and line within the anatomy through which a needle or instrument passes during an interventional procedure.	
111432	Inferolateral to superomedial	The line within the anatomy from the lower outer to the upper inner aspect. E.g., through which a needle or instrument passes in an interventional procedure.	
111433	Inferomedial to superolateral	The line within the anatomy from the lower inner to the upper outer aspect. E.g., through which a needle or instrument passes in an interventional procedure.	
111434	Superolateral to inferomedial	The line within the anatomy from the upper outer to the lower inner aspect. E.g., through which a needle or instrument passes in an interventional procedure.	
111435	Superomedial to inferolateral	The line within the anatomy from the upper inner to the lower outer aspect. E.g., through which a needle or instrument passes in an interventional procedure.	
111436	Number of passes	The number of times a biopsy instrument is passed through an area of interest.	
111437	Number of specimens	The number of biopsy specimens obtained from an interventional procedure.	
111438	Needle in target	An indicator of whether or not a biopsy or localizing needle in an interventional procedure is seen to be in the area of interest.	
111439	Number of needles around target	The number of localizing needles placed around the area of interest in an interventional procedure.	
111440	Incision made	An indicator of whether or not an incision was made in the anatomy during an interventional procedure.	
111441	*Microclip placed*	*An indicator of whether or not a radio opaque microclip was placed in the anatomy during an interventional procedure.*	*Retired. Replaced by (111123, DCM, "Marker placement")*
111442	Confirmation of target	An indicator of the degree of success of an interventional procedure.	
111443	Target completely contained in the specimen	An indicator that during an interventional procedure the area of interest was fully excised and is noted in the resultant biopsy specimen.	
111444	Target partially obtained in the specimen	An indicator that during an interventional procedure the area of interest was partially excised and is noted in the resultant biopsy specimen.	
111445	Target not in the specimen	An indicator that following an interventional procedure the area of interest is not seen in the resultant biopsy specimen.	
111446	Calcifications seen in the core	An indicator that following an interventional procedure the targeted calcifications are noted in the resultant biopsy specimen.	
111447	Lesion completely removed	An indicator that during an interventional procedure the area of interest was fully excised and is noted in the resultant biopsy specimen.	
111448	Lesion partially removed	An indicator that during an interventional procedure the area of interest was partially excised and is noted in the resultant biopsy specimen.	

Code Value	Code Meaning	Definition	Notes
111449	Fluid obtained	An indicator that during an interventional procedure fluid was successfully aspirated.	
111450	Light brown color	Color that is a light shade of brown.	
111451	Dark red color	Color that is a dark shade of red.	
111452	Dark brown color	Color that is a dark shade of brown.	
111453	Bright red color	Color that is a bright shade of red.	
111454	Blood tinged color	Color that is tinged with the color of blood.	
111455	Occult blood test result	An indicator of whether or not the fluid obtained during an interventional procedure contains red blood cells.	
111456	Action on fluid	An indicator of whether or not fluid during an interventional procedure was sent for cytological analysis or simply discarded.	
111457	Sent for analysis	An indicator that fluid obtained during an interventional procedure was sent to a laboratory for analysis.	
111458	Discarded	An indicator that fluid obtained during an interventional procedure was discarded.	
111459	Mass with calcifications	A radiopaque density noted during diagnostic imaging that has associated calcific densities.	
111460	Complex cyst	A fluid-filled sac with greater than normal characteristics.	
111461	Intracystic lesion	A tumor within a cyst.	
111462	Solid mass	A tumor or lesion.	
111463	Supplementary Data for Intervention	Supporting evidence for interpretation results of an interventional procedure.	
111464	Procedure Modifier	A descriptor that further qualifies or characterizes a type of procedure.	
111465	Needle Gauge	Needle size (diameter) characterization. E.g., of a biopsy needle.	
111466	Severity of Complication	An indicator of the gravity of a problem experienced by a patient, related to a procedure that was performed.	
111467	Needle Length	Distance from the hub or bushing to the tip of the needle.	
111468	Pathology Results	The collection of observations and findings from pathologic analysis.	
111469	Sampling DateTime	The date and time that the sample was collected from the patient.	
111470	Uninvolved	Indicates that the margin of the biopsy specimen was not involved with the tumor.	
111471	Involved	Indicates that the margin of the biopsy specimen was involved with the tumor.	
111472	Nipple involved	Indicates whether the nipple was involved in an interventional procedure or pathologic analysis.	
111473	Number of nodes removed	Indicates the number of lymph nodes removed.	
111474	Number of nodes positive	Indicates the number of lymph nodes removed that contain cancer cells.	
111475	Estrogen receptor	The result of a test for the presence of a protein that binds with estrogen.	
111476	Progesterone receptor	The result of a test for the presence of a protein that binds with progesterone.	

Code Value	Code Meaning	Definition	Notes
111477	S Phase	Indicates the percentage of cells in S phase. Cell division is defined by phases; the S phase is the stage during which DNA replicates.	
111478	Non-bloody discharge (from nipple)	The visible emission of non-bloody fluid from the nipple.	
111479	Difficult physical/clinical examination	The inability to discern normal versus abnormal breast tissue during palpation.	
111480	Cancer elsewhere	An indication that a patient has or had a malignant occurrence in an area of the body other than the breast.	
111481	Saline implant	A salt water filled prosthetic device implanted in the breast.	
111482	Polyurethane implant	A polymer based (plastic) prosthetic device implanted in the breast.	
111483	Percutaneous silicone injection	The introduction of polymeric organic silicon based material through the skin, as for breast augmentation or reconstruction.	
111484	Combination implant	A prosthetic device that contains more than one material implanted in the breast.	
111485	Pre-pectoral implant	A breast implant placed in front of the pectoralis major muscle.	
111486	Retro-pectoral implant	A breast implant placed behind the pectoralis major muscle.	
111487	Mammographic (crosshair)	Using X-Ray technique and a superimposed set of crossed lines for detection or placement.	
111488	Mammographic (grid)	Using X-Ray technique and a superimposed aperture for detection or placement.	
111489	Palpation guided	Using physical touch for detection or placement.	
111490	Vacuum assisted	The performance of a biopsy procedure using a vacuum device attached to the biopsy needle.	
111491	Abnormal discharge	Unusual or unexpected emission of fluid.	
111492	No complications	Having experienced no adverse medical conditions related to or resulting from an interventional procedure.	
111494	Stage 0	TNM grouping of tumor stage, from AJCC, where primary tumor is Tis, regional lymph node is N0, and distant metastasis is M0.	
111495	Stage I	TNM grouping of tumor stage, from AJCC, where primary tumor is T1, regional lymph node is N0, and distant metastasis is M0.	
111496	Stage IIA	TNM grouping of tumor stage, from AJCC, where primary tumor is T0 or T1, with regional lymph node N1 and distant metastasis is M0, or T2 with N0 and M0.	
111497	Stage IIB	TNM grouping of tumor stage, from AJCC, where primary tumor is T2, with regional lymph node N1 and distant metastasis is M0, or T3 with N0 and M0.	
111498	Stage IIIA	TNM grouping of tumor stage, from AJCC, where primary tumor is T0, T1 or T2, with regional lymph node N2 and distant metastasis is M0, or T3 with N1 or N2 and M0.	
111499	Stage IIIB	TNM grouping of tumor stage, from AJCC, where primary tumor is T4, regional lymph node is N0, N1 or N2, and distant metastasis is M0.	

Code Value	Code Meaning	Definition	Notes
111500	Stage IIIC	TNM grouping of tumor stage, from AJCC, where primary tumor is any T value, regional lymph node is N3, and distant metastasis is M0.	
111501	Stage IV	TNM grouping of tumor stage, from AJCC, where primary tumor is any T value, regional lymph node is any N value, and distant metastasis is M1.	
111502	Bloom-Richardson Grade	Histologic tumor grade (sometimes called Scarff-Bloom-Richardson grade) is based on the arrangement of the cells in relation to each other -- whether they form tubules, how closely they resemble normal breast cells (nuclear grade) and how many of the cancer cells are in the process of dividing (mitotic count).	
111503	Normal implants	Breast prosthetic devices are intact, not leaking, and are in a normal shape and form.	
111504	Asymmetric implants	Breast prosthetic devices are not symmetric, equal, corresponding in form, or are in one breast (unilateral).	
111505	Calcified implant	Fibrous or calcific contracture of the tissue capsule that forms around a breast prosthetic device.	
111506	Distorted implant	Breast prosthetic device is twisted out of normal shape or form.	
111507	Silicone-laden lymph nodes	Silicone from breast prosthetic device found in lymphatic tissue.	
111508	Free silicone	Silicone found in breast tissue outside of the prosthetic capsule or implant membrane.	
111509	Herniated implant	Protrusion of part of the structure normally encapsulating the content of the breast prosthetic device.	
111510	Explantation	Evidence of removal of a breast prosthetic device.	
111511	Relevant Patient Information for Breast Imaging	Historical patient health information of interest to the breast health clinician.	
111512	*Medication History*	*Information regarding usage by the patient of certain medications, such as hormones.*	*Retired. Replaced by (10160-0, LN, "History Of Medication Use")*
111513	Relevant Previous Procedures	Interventional or non-interventional procedures previously performed on the patient, such as breast biopsies.	
111514	*Relevant Indicated Problems*	*Abnormal conditions experienced by the patient that serve as the reason for performing a procedure, such as a breast exam.*	*Retired. Replaced by (11450-4, LN, "Problem List")*
111515	Relevant Risk Factors	Personal, familial, and other health factors that may indicate an increase in the patient's chances of developing a health condition or disease, such as breast cancer.	
111516	Medication Type	A classification of a medicinal substance, such as hormonal contraceptive or antibiotic.	
111517	Relevant Patient Information	Historical patient health information for general purpose use.	
111518	Age when first menstrual period occurred	The age of the patient at the first occurrence of menses.	
111519	Age at First Full Term Pregnancy	The age of the patient at the time of her first full term pregnancy.	
111520	Age at Menopause	The age of the patient at the cessation of menses.	

Code Value	Code Meaning	Definition	Notes
111521	Age when hysterectomy performed	The age of the patient at the time her uterus was removed.	
111522	Age when left ovary removed	The age of the patient at the time she had her left ovary removed.	
111523	Age when right ovary removed	The age of the patient at the time she had her right ovary removed.	
111524	Age Started	The age of a patient on the first occurrence of an event, such as the first use of a medication.	
111525	Age Ended	The age of a patient on the last occurrence of an event, such as the last use of a medication.	
111526	DateTime Started	The date and time of the first occurrence of an event, such as the first use of a medication.	
111527	DateTime Ended	The date and time of the last occurrence of an event, such as the last use of a medication.	
111528	Ongoing	An indicator of whether an event is still in progress, such as the use of a medication or substance, or environmental exposure.	
111529	Brand Name	Product name of a device or substance, such as medication, to identify it as the product of a single firm or manufacturer.	
111530	Risk Factor modifier	A descriptor that further qualifies or characterizes a risk factor.	
111531	Previous Procedure	A prior non-interventional exam or interventional procedure performed on a patient.	
111532	*Pregnancy Status*	*Describes the pregnancy state of a referenced subject.*	*Retired. Replaced by (364320009, SCT, "Pregnancy observable").*
111533	Indicated Problem	A symptom experienced by a patient that is used as the reason for performing an exam or procedure.	
111534	Role of person reporting	The function of the individual who is reporting information on a patient, which could be a specific health care related profession, the patient him/herself, or a relative or friend.	
111535	DateTime problem observed	The date and time that a symptom was noted.	
111536	DateTime of last evaluation	The date and time of the most recent evaluation of an indicated problem.	
111537	Family Member with Risk Factor	A patient's biological relative who exhibits a health factor that may indicate an increase in the patient's chances of developing a particular disease or medical problem.	
111538	Age at Occurrence	The age at which an individual experienced a specific event, such as breast cancer.	
111539	Menopausal phase	The current stage of an individual in her gynecological development.	
111540	Side of Family	An indicator of paternal or maternal relationship.	
111541	Maternal	Relating to biological female parentage.	
111542	Unspecified gynecological hormone	A gynecological hormone for which the specific type is not specified. E.g., contraceptive, estrogen, Tamoxifen.	
111543	Breast feeding history	An indicator of whether or not a patient ever provided breast milk to her offspring.	

Code Value	Code Meaning	Definition	Notes
111544	Average breast feeding period	The average length of time that a patient provided breast milk to her offspring.	
111545	Substance Use History	Information regarding usage by the patient of certain legal or illicit substances.	
111546	Used Substance Type	A classification of a substance, such as alcohol or a legal or illicit drug.	
111547	Environmental Exposure History	Information regarding exposure of the patient to potentially harmful environmental factors.	
111548	Environmental Factor	A classification of a potentially harmful substance or gas in a subject's environment, such as asbestos, lead, or carcinogens.	
111549	Previous Reports	Previous Structured Reports that could have relevant information for a current imaging service request.	
111550	Personal breast cancer history	An indication that a patient has had a previous malignancy of the breast.	
111551	History of endometrial cancer	Indicates a previous occurrence of cancer of the lining of the uterus.	
111552	History of ovarian cancer	Indicates a previous occurrence of cancer of the lining of the ovary.	
111553	History of high risk lesion on previous biopsy	Indicates a prior diagnosis of pre-cancerous cells or tissue removed for pathologic evaluation.	
111554	Post menopausal patient	A female patient whose menstrual periods have ceased.	
111555	Late child bearing (after 30)	A female patient whose first child was born after the patient was 30 years old.	
111556	BRCA1 breast cancer gene	The first level genetic marker indicating risk for breast cancer.	
111557	BRCA2 breast cancer gene	The second level genetic marker indicating risk for breast cancer.	
111558	BRCA3 breast cancer gene	The third level genetic marker indicating risk for breast cancer.	
111559	Weak family history of breast cancer	A patient's biological aunt, grandmother, or female cousin was diagnosed with breast cancer. Definition from BI-RADS®.	
111560	Intermediate family history of breast cancer	A patient's biological mother or sister was diagnosed with breast cancer after they had gone through menopause. Definition from BI-RADS®.	
111561	Very strong family history of breast cancer	A patient's biological mother or sister was diagnosed with breast cancer before they had gone through menopause, or more than one of the patient's first-degree relatives (biological mother or sister) were diagnosed with breast cancer after they had gone through menopause. Definition from BI-RADS®.	
111562	Family history of prostate cancer	Previous diagnosis of a malignancy of the prostate gland in a biological relative.	
111563	Family history unknown	The health record of a patient's biological relatives is not known.	
111564	Nipple discharge cytology	The study of cells obtained from fluid emitted from the breast.	

Code Value	Code Meaning	Definition	Notes
111565	Uterine malformations	A developmental abnormality resulting in an abnormal shape of the uterus.	
111566	Spontaneous Abortion	A naturally occurring premature expulsion from the uterus of the products of conception - the embryo or a nonviable fetus.	
111567	Gynecologic condition	An ailment/abnormality or state of the female reproductive tract.	
111568	Gynecologic surgery	A surgical operation performed on any portion of the female reproductive tract.	
111569	Previous LBW or IUGR birth	Prior pregnancy with a low birth weight baby or a fetus with Intrauterine Growth Restriction or Retardation.	
111570	Previous fetal malformation/syndrome	History of at least one prior pregnancy with fetal anatomic abnormality(s).	
111571	Previous RH negative or blood dyscrasia at birth	History of delivering a Rhesis Isoimmunization affected child(ren) or a child(ren) with another blood disorder.	
111572	History of multiple fetuses	History of at least one pregnancy that contained more than one fetus. E.g., twins, triplets, etc..	
111573	Current pregnancy, known or suspected malformations/syndromes	At least one fetus of this pregnancy has an anatomic abnormality(s) that is known to exist, or a "marker" is present that suggests the abnormality(s) may be present.	
111574	Family history, fetal malformation/syndrome	Biological relatives have previously conceived a fetus with an anatomic abnormality(s).	
111575	High	A subjective descriptor for an elevated amount of exposure, use, or dosage, incurring high risk of adverse effects.	
111576	Medium	A subjective descriptor for a moderate amount of exposure, use, or dosage, incurring medium risk of adverse effects.	
111577	Low	A subjective descriptor for a limited amount of exposure, use, or dosage, incurring low risk of adverse effects.	
111578	Dose frequency	A measurement of the rate of occurrence of which a patient takes a certain medication.	
111579	Rate of exposure	The quantity per unit of time that a patient was or is being exposed to an environmental irritant.	
111580	Volume of use	The quantity per unit of time that a medication or substance was or is being used.	
111581	Relative dose amount	A qualitative descriptor for the amount of a medication that was or is being taken.	
111582	Relative amount of exposure	A qualitative descriptor for the amount of present or past exposure to an environmental irritant.	
111583	Relative amount of use	A qualitative descriptor for the amount of a medication or substance that was or is being used.	
111584	Relative dose frequency	A qualitative descriptor for the frequency with which a medication was or is being taken.	
111585	Relative frequency of exposure	A qualitative descriptor for the frequency of present or past exposure to an environmental irritant.	
111586	Relative frequency of use	A qualitative descriptor for the frequency with which a medication or substance was or is being used.	

Code Value	Code Meaning	Definition	Notes
111587	No known exposure	Patient is not known to have been exposed to or used the substance or medication.	
111590	Recall for technical reasons	Patient returns for additional images to improve the quality of the most recent exam.	
111591	Recall for imaging findings	Patient returns for additional images to clarify findings from the most recent exam.	
111592	Recall for patient symptoms/ clinical findings	Patient returns for additional images to clarify symptoms or signs reported by the patient or a healthcare professional at the time of the most recent exam.	
111593	LBW or IUGR	Number of births with low birth weight or intrauterine growth restriction.	
111601	*Green filter*	*Filter that transmits green light while blocking the other colors, typically centered at 510-540 nm*	*Retired. Replaced by (445465004, SCT, "Green optical filter")*
111602	*Red filter*	*Filter that transmits red light while blocking the other colors, typically centered at 630-680 nm*	*Retired. Replaced by (445279009, SCT, "Red optical filter")*
111603	*Blue filter*	*Filter that transmits blue while blocking the other colors, typically centered at 460-480 nm*	*Retired. Replaced by (445084008, SCT, "Blue optical filter")*
111604	*Yellow-green filter*	*A filter of 560nm that is used for retinal imaging and can provide good contrast and good visibility of the retinal vasculature*	*Retired. Replaced by (445340000, SCT, "Yellow-green optical filter")*
111605	*Blue-green filter*	*A filter of 490nm that is used for retinal imaging because of excessive scattering of some retinal structures at very short wavelengths*	*Retired. Replaced by (422915004, SCT, "Blue-green optical filter")*
111606	*Infrared filter*	*Filter that transmits the infrared spectrum, which is light that lies outside of the visible spectrum, with wavelengths longer than those of red light, while blocking visible light*	*Retired. Replaced by (445169002, SCT, "Infrared optical filter")*
111607	*Polarizing filter*	*A filter that reduces reflections from non-metallic surfaces such as glass or water by blocking light waves that are vibrating at selected angles to the filter.*	*Retired. Replaced by (445391002, SCT, "Polarizing optical filter")*
111609	No filter	No filter used.	
111621	Field 1 for Joslin 3 field	Joslin NM-1 is a 45 degree field focused centrally between the temporal margin of optic disc and the center of the macula: Center the camera on the papillomacular bundle midway between the temporal margin of the optic disc and the center of the macula. The horizontal centerline of the image should pass directly through the center of the disc.	
111622	Field 2 for Joslin 3 field	Joslin NM-2 is a 45 degree field focused superior temporal to the optic disc: Center the camera laterally approximately one-half disc diameter temporal to the center of the macula. The lower edge of the field is tangent to a horizontal line passing through the upper edge of the optic disc. The image is taken temporal to the macula but includes more retinal nasal and superior to the macula than standard field 2.	

Code Value	Code Meaning	Definition	Notes
111623	Field 3 for Joslin 3 field	Joslin NM-3 is a 45 degree field focused nasal to the optic disc: This field is nasal to the optic disc and may include part of the optic disc. The horizontal centerline of the image should pass tangent to the lower edge of the optic disc.	
111625	Diffuse direct illumination	A broad or "soft" light supplied from a single source.	
111626	Scheimpflug Camera	A slit reflected light microscope, which has the ability to form an image of the back scattered light from the eye in a sagittal plane. Scheimpflug cameras are able to achieve a wide depth of focus by employing the "Sheimpflug principle" where the lens and image planes are not parallel with each other. Rotating Sheimplug cameras are able to generate three-dimensional images and calculate measurements of the anterior chamber of the eye.	
111627	Scotopic light	Lighting condition approximately 0.04 lux.	
111628	Mesopic light	Lighting condition approximately 4 lux.	
111629	Photopic light	Lighting condition approximately 40 lux.	
111630	Dynamic light	Acquisition preceded by intense light.	
111631	Average Glandular Dose	Calculated from values of entrance exposure in air, the X-Ray beam quality (half-value layer), and compressed breast thickness, is the energy deposited per unit mass of glandular tissue averaged over all the glandular tissue in the breast.	
111632	Anode Target Material	The primary material in the anode of an X-Ray source.	
111633	Compression Thickness	The average thickness of the body part examined when compressed, if compression has been applied during X-Ray exposure.	
111634	Half Value Layer	Thickness of Aluminum required to reduce the X-Ray output at the patient entrance surface by a factor of two.	
111635	X-Ray Grid	An anti-scatter device based on radiation absorbing strips above the detector. E.g., in the patient support.	
111636	Entrance Exposure at RP	Exposure measurement in air at the reference point that does not include back scatter, according to MQCM 1999.	
111637	Accumulated Average Glandular Dose	Average Glandular Dose to a single breast accumulated over multiple images.	
111638	Patient Equivalent Thickness	Value of the control variable used to parametrize the Automatic Exposure Control (AEC) closed loop. E.g., "Water Value".	
111641	Fixed grid	An X-Ray Grid that does not move during exposure.	
111642	Focused grid	An X-Ray Grid with radiation absorbing strips that are focused toward the focal spot, to eliminate grid cutoff.	
111643	Reciprocating grid	An X-Ray Grid that is designed to move during exposure, to eliminate the appearance of grid lines on the image.	
111644	Parallel grid	An X-Ray Grid with radiation absorbing strips that are parallel to each other and that is used only with long source to image distances.	
111645	Crossed grid	An X-Ray Grid with crossed radiation absorbing strips used for more complete cleanup of scatter radiation.	
111646	No grid	No X-Ray Grid was used due to low scatter conditions.	

Code Value	Code Meaning	Definition	Notes
111647	Compression Force	The compression force applied to the body part during exposure.	
111648	Compression Pressure	The average compression pressure applied to the body part during exposure.	
111649	Compression Contact Area	The area of the body part to which compression has been applied during exposure.	
111671	Spectacle Prescription Report	The spectacle prescription for a patient.	
111672	Add Near	Refractive measurements of the eye to correct for inability to focus at near while wearing the distance prescription.	
111673	Add Intermediate	Refractive measurements of the eye to correct for inability to focus at intermediate distance while wearing the distance prescription.	
111674	Add Other	Refractive measurements of the eye to correct for inability to focus at the specified distance while wearing the distance prescription.	
111675	Horizontal Prism Power	The power of a prism to bend light in the horizontal direction, in prism diopters.	
111676	Horizontal Prism Base	Direction of the base of a horizontal prism -- either in (toward the nose), or out (away from the nose).	
111677	Vertical Prism Power	The power of a prism to bend light in the vertical direction, in prism diopters.	
111678	Vertical Prism Base	Direction of the base of a vertical prism -- either up, or down.	
111679	Distance Pupillary Distance	Distance in mm between the pupils when the patient's object of regard is in the distance.	
111680	Near Pupillary Distance	Distance in mm between the pupils when the patient's object of regard is at near.	
111681	SMILE	Small Incision Lenticule Extraction. Refractive surgery procedure where a thin lenticule is cleaved from the corneal stroma using a femtosecond laser and then extracted through a small incision in the corneal periphery.	
111685	Autorefraction Visual Acuity	A patient's vision with the correction measured by an autorefractor in place.	
111686	Habitual Visual Acuity	A patient's vision with whichever vision correction the patient customarily wears.	
111687	Prescription Visual Acuity	A patient's vision with the final spectacle prescription in place.	
111688	Right Eye Rx	The spectacle prescription for the right eye.	
111689	Left Eye Rx	The spectacle prescription for the left eye.	
111690	Macular Grid Thickness and Volume Report	A macular grid thickness and volume report for a patient. The macular grid is an analytic tool described in PS3.1.	
111691	Number of Images Used for Macular Measurements	Number of images used for the macular grid measurement.	
111692	Number of Samples Used per Image	Number of samples used per Image for analysis.	

Code Value	Code Meaning	Definition	Notes
111693	Analysis Quality Rating	A numeric rating of the quality of the entire analysis with respect to grading and diagnostic purposes. Higher numbers indicate greater quality.	
111694	Image Set Quality Rating	A numeric rating of the quality of an entire image set with respect to grading and diagnostic purposes. Higher numbers indicate greater quality.	
111695	Interfering Tears or Drops	Tear film or drops affecting test quality.	
111696	Visual Fixation Quality During Acquisition	The assessment of the centricity and persistence of the visual fixation (direction of gaze) during the acquisition.	
111697	Visual Fixation Quality Problem	The reason why the patient's visual fixation was not steady or was indeterminate.	
111698	Ophthalmic Macular Grid Problem	The reason why the macular grid measurements may be questionable.	
111700	Specimen Container Identifier	Identifier of container (box, block, microscope slide, etc.) for the specimen under observation.	
111701	Processing type	Type of processing that tissue specimen underwent.	
111702	DateTime of processing	Date and time of processing step.	
111703	Processing step description	Description of the individual step in the tissue processing sequence.	
111704	Sampling Method	Method of sampling used to derive specimen from its parent.	
111705	Parent Specimen Identifier	Identifier of the parent specimen that gave rise to the current specimen.	
111706	Issuer of Parent Specimen Identifier	Assigning authority for parent specimen's identifier.	
111707	Parent specimen type	Parent specimen type that gave rise to current specimen.	
111708	Position Frame of Reference	Description of coordinate system and origin reference point on parent specimen, or parent specimen container, or image used for localizing the sampling site or location within container or image.	
111709	Location of sampling site	Reference to image of parent specimen localizing the sampling site; may include referenced Presentation State object.	
111710	Location of sampling site X offset	Location of sampling site of specimen (nominal center) relative to the Position Frame of Reference.	
111711	Location of sampling site Y offset	Location of sampling site of specimen (nominal center) relative to the Position Frame of Reference.	
111712	Location of sampling site Z offset	Location of sampling site of specimen (nominal center) relative to the Position Frame of Reference.	
111718	Location of Specimen	Description of specimen location, either in absolute terms or relative to the Position Frame of Reference.	
111719	Location of Specimen X offset	Location of specimen (nominal center) relative to the Position Frame of Reference in the X dimension.	
111720	Location of Specimen Y offset	Location of specimen (nominal center) relative to the Position Frame of Reference in the Y dimension.	
111721	Location of Specimen Z offset	Location of specimen (nominal center) relative to the Position Frame of Reference in the Z dimension.	

Code Value	Code Meaning	Definition	Notes
111723	Visual Marking of Specimen	Description of visual distinguishing identifiers. E.g., ink, or a particular shape of the specimen.	
111724	Issuer of Specimen Identifier	Assigning authority for specimen identifier.	
111726	Dissection with entire specimen submission	Dissection of specimen with submission of all its sections for further processing or examination.	
111727	Dissection with representative sections submission	Dissection of specimen with submission of representative sections for further processing or examination.	
111729	Specimen storage	A workflow step, during which tissue specimens are stored in a climate-controlled environment.	
111741	Transmission illumination	Transmission illumination method for specimen microscopy.	
111742	Reflection illumination	Reflection illumination method for specimen microscopy.	
111743	Epifluorescence illumination	Epifluorescence illumination method for specimen microscopy.	
111744	Brightfield illumination	Brightfield illumination method for specimen microscopy.	
111745	Darkfield illumination	Darkfield illumination method for specimen microscopy.	
111746	Oblique illumination	Oblique illumination method for specimen microscopy.	
111747	Phase contrast illumination	Phase contrast illumination method for specimen microscopy.	
111748	Differential interference contrast	Differential interference contrast method for specimen microscopy.	
111749	Total internal reflection fluorescence	Total internal reflection fluorescence method for specimen microscopy.	
111750	Ultrasound Contact	A method of obtaining ophthalmic axial measurements that uses ultrasound, and that requires applanation of the cornea.	
111751	Ultrasound Immersion	A method of obtaining ophthalmic axial measurements that uses ultrasound, and that requires immersion of the patient's eye in fluid as he lies in a supine position.	
111752	Optical	A method of obtaining ophthalmic axial measurements that uses light.	
111753	Manual Keratometry	Measurements taken of the corneal curvature using a manual keratometer.	
111754	Auto Keratometry	Measurements taken of the corneal curvature using an automated keratometer.	
111755	Simulated Keratometry	Simulated Keratometry measurements derived from corneal topography.	
111756	Equivalent K-reading	Corneal power measurements using Scheimpflug camera.	
111757	Keratometry Measurements SOP Instance	Keratometry Measurements DICOM SOP Instance.	
111758	Total Cornea Power Measurement Method	Method of determining the total cornea power from measuring the curvature of both anterior and posterior surface of the cornea.	
111759	Posterior Cornea Surface Measurement Method	Method of measuring the curvature of posterior surface of the cornea and determining its refractive power.	

Code Value	Code Meaning	Definition	Notes
111760	Haigis	The Haigis IOL calculation formula. Haigis W, Lege B, Miller N, Schneider B. Comparison of immersion ultrasound biometry and partial coherence interferometry for intraocular lens calculation according to Haigis. Graefes Arch Clin Exp Ophthalmol 2000;238:765-73.	
111761	Haigis-L	The Haigis-L IOL calculation formula. Haigis W. Intraocular lens calculation after refractive surgery for myopia: Haigis-L formula. J Cataract Refract Surg. 2008 Oct;34(10):1658-63.	
111762	Holladay 1	The Holladay 1 IOL calculation formula. Holladay JT, Prager TC, Chandler TY, Musgrove KH, Lewis JW, Ruiz RS. A three-part system for refining intraocular lens power calculations. J Cataract Refract Surg. 1988; 14:17-24.	
111763	Holladay 2	The Holladay 2 IOL calculation formula.	
111764	Hoffer Q	The Hoffer Q IOL calculation formula. Hoffer KJ. The Hoffer Q formula: a comparison of theoretic and regression formulas. J Cataract Refract Surg 1993;19:700-12. Errata. J Cataract Refract Surg 1994;20:677 and 2007;33:2-3.	
111765	Olsen	The Olsen IOL calculation formula. Olsen T. Calculation of intraocular lens power: a review. Acta Ophthalmol. Scand. 2007: 85: 472-485.	
111766	SRKII	The SRKII IOL calculation formula. Sanders DR, Retzlaff J, Kraff MC. Comparison of the SRK II formula and other second generation formulas. J Cataract Refract Surg. 1988 Mar;14(2):136-41.	
111767	SRK-T	The SRK-T IOL calculation formula. Retzlaff JA, Sanders DR, Kraff MC. Development of the SRK/T intraocular lens implant power calculation formula. J Cataract Refract Surg 1990;16:333-40. Erratum 1990;16:528.	
111768	ACD Constant	The "ACD Constant" used in IOL calculation.	
111769	Haigis a0	The "Haigis a0" constant used in IOL calculation.	
111770	Haigis a1	The "Haigis a1" constant used in IOL calculation.	
111771	Haigis a2	The "Haigis a2" constant used in IOL calculation.	
111772	Hoffer pACD Constant	The "Hoffer pACD Constant" used in IOL calculation.	
111773	Surgeon Factor	The "Surgeon Factor" constant used in IOL calculation.	
111776	Front Of Cornea To Front Of Lens	Anterior chamber depth defined as the front of the cornea to the front of the lens.	
111777	Back Of Cornea To Front Of Lens	Anterior chamber depth defined as the back of the cornea to the front of the lens.	
111778	Single or Anterior Lens	Refers to the anterior lens when there are two lenses in the eye. The distance, in mm, from the anterior surface of the lens to the posterior surface of the lens.	

Code Value	Code Meaning	Definition	Notes
111779	Posterior Lens	Refers to the posterior lens when there are two lenses in the eye. The distance, in mm, from the anterior surface of the lens to the posterior surface of the lens.	
111780	Measurement From This Device	Value obtained from measurements taken by the device creating this SOP Instance.	
111781	External Data Source	Value obtained by data transfer from an external source - not from measurements taken by the device providing the value.	
111782	Axial Measurements SOP Instance	Axial Measurements DICOM SOP Instance.	
111783	Refractive Measurements SOP Instance	Refractive Measurements DICOM SOP Instance.	
111784	Autorefraction Measurements SOP Instance	Autorefraction Measurements DICOM SOP Instance.	
111786	Standard Deviation of measurements used	Standard Deviation is a simple measure of the variability of data.	
111787	Signal to Noise Ratio	Signal to Noise Ratio of the data samples taken to create a measurement.	
111791	Spherical projection	Projection from 2D image pixels to 3D Cartesian coordinates based on a spherical mathematical model.	
111792	Surface contour mapping	Mapping from 2D image pixels to 3D Cartesian coordinates based on measurements of the retinal surface. E.g., of the retina, derived via a measurement technology such as Optical Coherence Tomography, Ultrasound etc.	
111800	Visual Field 24-2 Test Pattern	Test pattern, nominally covering an area within 24° of fixation. Consists of 54 test points a minimum of 3° from each meridian and placed 6° apart. The "-2" distinguishes this from another 24° pattern (no longer supported).	
111801	Visual Field 10-2 Test Pattern	Test pattern, nominally covering an area within 10° of fixation. Consists of 68 test points a minimum of 1° from each meridian and placed 2° apart. The "-2" in this case indicates its point layout to be similar to the 30-2 and 24-2.	
111802	Visual Field 30-2 Test Pattern	Test pattern consisting of test point locations within 30° of fixation. Consists of 76 test points a minimum of 3° from each meridian and placed 6° apart. The "-2" distinguishes this from another 30° pattern (no longer supported).	
111803	Visual Field 60-4 Test Pattern	Test pattern consisting of 60 test point locations between 30° and 60° of fixation a minimum of 6° from each meridian and placed 12° apart. The "-4" distinguishes this from a similar 60° pattern having 4 additional points.	
111804	Visual Field Macula Test Pattern	Test pattern consisting of 16 test point locations within 10° of fixation a minimum of 1° from each meridian and placed 2° apart.	

Code Value	Code Meaning	Definition	Notes
111805	Visual Field Central 40 Point Test Pattern	Test pattern consisting of 40 test point locations within 30° of fixation that spread out radially from fixation.	
111806	Visual Field Central 76 Point Test Pattern	Test pattern consisting of 76 test point locations within 30° of fixation a minimum of 3° from each meridian and placed 6° apart.	
111807	Visual Field Peripheral 60 Point Test Pattern	Test pattern consisting of 60 test point locations between 30° and 60° of fixation a minimum of 6° from each meridian and placed 12° apart.	
111808	Visual Field Full Field 81 Point Test Pattern	Test pattern consisting of 81 test point locations within 60° of fixation that spread out radially from fixation.	
111809	Visual Field Full Field 120 Point Test Pattern	Test pattern consisting of 120 test point locations within 60° of fixation that spread out radially from fixation, concentrated in the nasal hemisphere.	
111810	Visual Field G Test Pattern	Test pattern for Glaucoma and general visual field assessment with 59 test locations of which 16 test locations are in the macular area (up to 10° eccentricity) and where the density of test location is reduced with eccentricity. The test can be extended with the inclusion of 14 test locations between 30° and 60° eccentricity, 6 of which are located at the nasal step.	
111811	Visual Field M Test Pattern	Test pattern for the macular area. Orthogonal test pattern with 0.7° spacing within the central 4° of eccentricity and reduced density of test locations between 4 and 10, 5° of eccentricity. 81 test locations over all. The test can be extended to include the test locations of the Visual Field G Test Pattern between 10, 5° and 60°.	
111812	Visual Field 07 Test Pattern	Full field test pattern with 48 test locations from 0-30° and 82 test locations from 30-70°. Reduced test point density with increased eccentricity. Can be combined with screening and threshold strategies.	
111813	Visual Field LVC Test Pattern	Low Vision Central. Orthogonal off-center test pattern with 6° spacing. 75 test locations within the central 30°. Corresponds with the 32/30-2 excluding the 2 locations at the blind spot, including a macular test location. The LVC is linked with a staircase threshold strategy starting at 0 dB intensity and applies stimulus area V.	
111814	Visual Field Central Test Pattern	General test corresponding to the 30-2 but excluding the 2 test locations in the blind spot area, hence with 74 instead of 76 test locations.	
111815	Visual Field SITA-Standard Test Strategy	Swedish Interactive Thresholding Algorithm (SITA). Strategy gains testing efficiency through use of visual field and information theory models. In: Bengtsson B, Olsson J, Heijl A, Rootzen H. A new generation of algorithms for computerized threshold perimetry, SITA. Acta Ophthalmologica Scandinavica, 1997, 75: 368-375.	
111816	Visual Field SITA-SWAP Test Strategy	Adaptation of SITA testing methods to Blue-Yellow testing.	

Code Value	Code Meaning	Definition	Notes
111817	Visual Field SITA-Fast Test Strategy	Similar to SITA-Standard but with less strict criteria for closing test points. Intended for patients who must be tested in the shortest possible time. In: Bengtsson B, Hejl A. SITA Fast, a new rapid perimetric threshold test. Description of methods and evaluation in patients with manifest and suspect glaucoma. Acta Ophthalmologica Scandinavica, 1998, 76: 431-437.	
111818	Visual Field Full Threshold Test Strategy	Threshold test algorithm that determines a patient's sensitivity at each test point in the threshold test pattern by adjusting intensity by 4 dB steps until the patient changes their response, and then adjusts the intensity in the opposite direction by 2 dB steps until the patient changes their response again. The last stimulus seen by the patient is recognized as the threshold for that point. The starting values are determined by first thresholding a "primary" point in each quadrant then using the results of each primary point to determine the starting values for neighboring points.	
111819	Visual Field FastPac Test Strategy	Similar to the Full Threshold algorithm except that it steps by 3 dB and only crosses the threshold only once. In: Flanagan JG, Wild JM, Trope GE. Evaluation of FASTPAC, a new strategy for threshold estimation with the Humphrey Field Analyzer, in a glaucomatous population. Ophthalmology, 1993, 100: 949-954.	
111820	Visual Field Full From Prior Test Strategy	Identical to Full Threshold except that starting values are determined by the results of a previous test performed using the same test pattern and the Full Threshold test strategy.	
111821	Visual Field Optima Test Strategy	Similar to FastPac except that the steps are pseudo-dynamic (differ based on the intensity of the last presentation).	
111822	Visual Field Two-Zone Test Strategy	Suprathreshold testing strategy, in which each point is initially tested using stimulus that is 6 dB brighter than the expected hill of vision. If the patient does not respond, the stimulus is presented a second time at the same brightness. If the patient sees either presentation, the point is marked as "seen"; otherwise it is marked as "not seen".	
111823	Visual Field Three-Zone Test Strategy	An extension of the two-zone strategy in which test points where the second stimulus is not seen are presented with a third stimulus at maximum brightness.	
111824	Visual Field Quantify-Defects Test Strategy	An extension of the two-zone strategy, in which test points where the second stimulus is not seen receive threshold testing to quantify the depth of any detected scotomas.	

Code Value	Code Meaning	Definition	Notes
111825	Visual Field TOP Test Strategy	Tendency Oriented Perimetry. Fast thresholding algorithm. Test strategy makes use of the interaction between neighboring test locations to reduce the test time compared to normal full threshold strategy by 60-80%. In: Morales J, Weitzman ML, Gonzalez de la Rosa M. Comparison between Tendency-Oriented Perimetry (TOP) and octopus threshold perimetry. Ophthalmology, 2000, 107: 134-142.	
111826	Visual Field Dynamic Test Strategy	Dynamic strategy is a fast thresholding strategy reducing test duration by adapting the dB step sizes according to the frequency-of-seeing curve of the threshold. Reduction of test time compared to normal full threshold strategy 30-50%.	
111827	Visual Field Normal Test Strategy	Traditional full threshold staircase strategy. Initial intensities are presented, based on anchor point sensitivities in each quadrant and based on already known neighboring sensitivities. In a first run, thresholds are changed in 4dB steps until the first response reversal. Then the threshold is changed in 2 dB steps until the second response reversal. The threshold is calculated as the average between the last seen and last not-seen stimulus, supposed to correspond with the 50% point in the frequency-of-seeing curve.	
111828	Visual Field 1-LT Test Strategy	One level screening test: Each test location is tested with a single intensity. The result is shown as seen or not-seen. The intensity can either be a 0 dB stimulus or a predefined intensity.	
111829	Visual Field 2-LT Test Strategy	Two level screening test: Each test location is initially tested 6 dB brighter than the age corrected normal value.	
111830	Visual Field LVS Test Strategy	Low Vision Strategy is a full threshold normal strategy with the exception that it starts at 0 dB intensity and applies stimulus area V.	
111831	Visual Field GATE Test Strategy	German Adaptive Threshold Estimation is a fast strategy based on a modified 4-2 staircase algorithm, using prior visual fields to calculate the starting intensity. In: Chiefer U, Pascual JP, Edmunds B, Feudner E, Hoffmann EM, Johnson CA, Lagreze WA, Pfeiffer N, Sample PA, Staubach F, Weleber RG, Vonthein R, Krapp E, Paetzold J. Comparison of the new perimetric GATE strategy with conventional full-threshold and SITA standard strategies. Investigative Ophthalmology and Visual Science, 2009, 51: 488-494.	
111832	Visual Field GATEi Test Strategy	Similar to GATE. The i stands for initial. If there was no prior visual field test to calculate the starting values, an anchor point method is used to define the local start values.	
111833	Visual Field 2LT-Dynamic Test Strategy	A test started as two level screening test. In the course of the test, the threshold of relative defects and/or normal test locations has been quantified using the dynamic threshold strategy.	

Code Value	Code Meaning	Definition	Notes
111834	Visual Field 2LT-Normal Test Strategy	A test started as two level screening test. In the course of the test, the threshold of relative defects and/or normal test locations has been quantified using the normal full threshold strategy.	
111835	Visual Field Fast Threshold Test Strategy	Takes neighborhood test point results into account and offers stimuli with an adapted value to save time.	
111836	Visual Field CLIP Test Strategy	Continuous Luminance Incremental Perimetry, which measures at first the individual reaction time of the patient and threshold values in every quadrant. The starting value for the main test is slightly below in individual threshold.	
111837	Visual Field CLASS Strategy	A supra threshold screening strategy. The starting stimuli intensities depend on the classification of the patient's visual hill by measuring the central (fovea) or peripheral (15° meridian) threshold. The result of each dot slightly underestimates the sensitivity value (within 5 dB).	
111838	Age corrected	Mode for determining the starting luminance for screening test points - the starting luminance s is chosen based on the age of the patient.	
111839	Threshold related	Mode for determining the starting luminance for screening test points - the starting luminance is chosen based on the results of thresholding a set of "primary" test points (one in each quadrant).	
111840	Single luminance	Mode for determining the starting luminance for screening test points - in this case, all starting luminance is set to the same value.	
111841	Foveal sensitivity related	Mode for determining the starting luminance for screening test points - the starting luminance is chosen based on the result of the foveal threshold value.	
111842	Related to non macular sensitivity	Mode for determining the starting luminance for screening test points - the starting luminance is chosen based on the result of four threshold values measured near the 15° meridian (one in each quadrant).	
111843	Automated Optical	Real time evaluation of the camera image to recognize blinks and fixation losses with influence on the test procedure. Blinks that interfere with stimuli presentation cause the automated repetition of such stimulus presentations. Fixation losses can be used to delay the stimulus presentation until correct fixation is regained.	
111844	Blind Spot Monitoring	A method of monitoring the patient's fixation by periodically presenting stimulus in a location on the background surface that corresponds to the patient's blind spot.	
111845	Macular Fixation Testing	A method of monitoring the patient's fixation by presenting the stimulus to the patient's macula.	
111846	Observation by Examiner	A method of monitoring the patient's fixation by observation from the examiner of the patient.	
111847	Outside normal limits	Analysis Results are outside normal limits.	
111848	Borderline	Analysis Results are borderline.	
111849	Abnormally high sensitivity	Analysis Results identify abnormally high sensitivity.	
111850	General reduction in sensitivity	Analysis Results identify general reduction in sensitivity.	

Code Value	Code Meaning	Definition	Notes
111851	Borderline and general reduction in sensitivity	Analysis Results identify Borderline and general reduction in sensitivity.	
111852	Visual Field Index	Index of a patient's remaining visual field normalized for both age and generalized defect.	
111853	Visual Field Loss Due to Diffuse Defect	Estimate of the portion of a patient's visual field loss that is diffuse (i.e., spread evenly across all portions of the visual field).	
111854	Visual Field Loss Due to Local Defect	Estimate of the portion of a patient's visual field loss that is local (i.e., not spread evenly across all portions of the visual field).	
111855	Glaucoma Hemifield Test Analysis	An analysis of asymmetry between zones of the superior and inferior visual field. It is designed to be specific for defects due to glaucoma.	
111856	Optical Fixation Measurements	The data output of an optical fixation monitoring process, consisting of a list of positive and negative numbers indicating the quality of patient fixation over the course of a visual field test. The value 0 represents the initial fixation. Negative numbers indicate a measuring error (i.e., the patient blinked). Positive numbers quantify the degree of eccentricity from initial fixation.	
111860	Haigis Toric	The Haigis Toric IOL calculation formula. Haigis, Wolfgang. Toric Iol Power Calculation. 2014. http://www.semanticscholar.org/paper/Toric-Iol-Power-Calculation-Haigis/033838182a57a1d2948ac7d3b115855e29d03fad	
111861	Haigis-L Toric	The Haigis-L Toric IOL calculation formula. Haigis W, Intraocular lens calculation after refractive surgery for myopia: Haigis-L formula. J Cataract Refract Surg, 2008. 34(10): 1658-63. doi:10.1016/j.jcrs.2008.06.029	
111862	Barrett Toric	The Barrett Toric IOL calculation formula. Abulafia, A., et al., Prediction of refractive outcomes with toric intraocular lens implantation. J Cataract Refract Surg, 2015. 41(5): p. 936-44. doi:10.1016/j.jcrs.2014.08.036	
111863	Barrett True-K	The Barrett True-K IOL calculation formula. Abulafia, A., et al., Accuracy of the Barrett True-K formula for intraocular lens power prediction after laser in situ keratomileusis or photorefractive keratectomy for myopia. J Cataract Refract Surg, 2016. 42(3): p. 363-9. doi:10.1016/j.jcrs.2015.11.039	
111864	Barrett True-K Toric	The Barrett True-K Toric IOL calculation formula. Barrett G.D., Barrett True-K toric calculator. http://www.apacrs.org/TrueKToric105/TrueKToric.aspx	

Code Value	Code Meaning	Definition	Notes
111865	Barrett Universal II	The Barrett Universal II IOL calculation formula. Barrett, G.D., An improved universal theoretical formula for intraocular lens power prediction. J Cataract Refract Surg, 1993. 19: p. 713-720. doi:10.1016/S0886-3350(13)80339-2	
111866	Barrett Lens Factor	The "Barrett Lens Factor" constant used in IOL calculation.	
111867	Barrett Design Factor	The "Barrett Design Factor" constant used in IOL calculation.	
111900	Macula centered	An image of at least 15° angular subtend that is centered on the macula; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111901	Disc centered	An image of at least 15° angular subtend that is centered on the optic disc; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111902	Lesion centered	An image of any angular subtend that is centered on a lesion located in any region of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111903	Disc-macula centered	An image of at least 15° angular subtend centered midway between the disc and macula and containing at least a portion of the disc and both the disc and the macula; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111904	Mid-peripheral-superior	An image of at least 15° angular subtend positioned between the central zone and the equator, and spanning both the superior-temporal and superior-nasal quadrants of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111905	Mid-peripheral-superior temporal	An image of at least 15° angular subtend positioned between the central zone and the equator in the superior-temporal quadrant of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111906	Mid-peripheral-temporal	An image of at least 15° angular subtend positioned between the central zone and the equator, and spanning both the superior-temporal and inferior-temporal quadrants of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111907	Mid-peripheral-inferior temporal	An image of at least 15° angular subtend positioned between the central zone and the equator in the inferior-temporal quadrant of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111908	Mid-peripheral-inferior	An image of at least 15° angular subtend positioned between the central zone and the equator, and spanning both the inferior-temporal and inferior-nasal quadrants of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	

Code Value	Code Meaning	Definition	Notes
111909	Mid-peripheral-inferior nasal	An image of at least 15° angular subtend positioned between the central zone and the equator in the inferior-nasal quadrant of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111910	Mid-peripheral-nasal	An image of at least 15° angular subtend positioned between the central zone and the equator, and spanning both the superior-nasal and inferior-nasal quadrants of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111911	Mid-peripheral-superior nasal	An image of at least 15° angular subtend positioned between the central zone and the equator in the superior-nasal quadrant of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111912	Peripheral-superior	An image of at least 15° angular subtend positioned between the equator and the ora serrata, and spanning both the superior temporal and superior nasal quadrants of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111913	Peripheral-superior temporal	An image of at least 15° angular subtend positioned between the equator and ora serrata in the superior-temporal quadrant of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111914	Peripheral-temporal	An image of at least 15° angular subtend positioned between the equator and ora serrata, and spanning both the superior-temporal and inferior-temporal quadrants of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111915	Peripheral-inferior temporal	An image of at least 15° angular subtend positioned between the equator and ora serrata in the inferior-temporal quadrant of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111916	Peripheral-inferior	An image of at least 15° angular subtend positioned between the equator and ora serrata, and spanning both the inferior-temporal and inferior-nasal quadrants of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111917	Peripheral-inferior nasal	An image of at least 15° angular subtend positioned between the equator and ora serrata in the inferior-nasal quadrant of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111918	Peripheral-nasal	An image of at least 15° angular subtend positioned between the equator and ora serrata, and spanning both the superior-nasal and inferior-nasal quadrants of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111919	Peripheral-superior nasal	An image of at least 15° angular subtend positioned between the equator and ora serrata in the superior-nasal quadrant of the fundus; see Section U.1.8 “Relative Image Position Definitions” in PS3.17.	
111920	Time domain	Identifies the use of physical signals with respect to time to capture information.	

Code Value	Code Meaning	Definition	Notes
111921	Spectral domain	Identifies the use of physical signals with respect to multiple frequencies to capture information.	
111922	No corneal compensation	No compensation algorithm for corneal birefringence.	
111923	Corneal birefringence compensation	Algorithm to compensate for variability in corneal birefringence.	
111924	Retinal topography	Measurement of the retinal surface contour relative to an assigned datum plane.	
111925	Retinal nerve fiber layer thickness	Measurement approximating the distance related to the structure between the internal limiting membrane (ILM) and the outer boarder of the retinal nerve fiber layer (RNFL); see Section III.6 “Retinal Thickness Definition” in PS3.17.	
111926	Ganglion cell complex thickness	Measurement approximating the distance related to the structure between the ILM and the outer border of the inner plexiform layer (IPL), called the ganglion cell complex (GCC); see Section III.6 “Retinal Thickness Definition” in PS3.17.	
111927	Total retinal thickness (ILM to IS-OS)	Measurement approximating the distance related to the structure between the ILM and the inner-outer segment junction (IS-OS); see Section III.6 “Retinal Thickness Definition” in PS3.17.	
111928	Total retinal thickness (ILM to RPE)	Measurement approximating the distance related to the structure between the ILM and the retinal pigment epithelium (RPE); see Section III.6 “Retinal Thickness Definition” in PS3.17.	
111929	Total retinal thickness (ILM to BM)	Measurement approximating the distance related to the structure between the ILM and the Bruch's membrane (BM); see Section III.6 “Retinal Thickness Definition” in PS3.17.	
111930	Absolute ophthalmic thickness	Thickness of a component of the posterior segment of the eye. E.g., thickness of retina, choroid, etc.	
111931	Thickness deviation category from normative data	Ophthalmic Thickness map based upon statistical significance category (such as percentile) from normative data.	
111932	Thickness deviation from normative data	Ophthalmic Thickness map based upon deviation (such as microns) from normative data.	
111933	Related ophthalmic thickness map	Ophthalmic Thickness Map related to another Ophthalmic Thickness Map or another SOP Instance.	
111934	Disc-Fovea	An anatomic point centered midway between the disc and fovea centralis.	
111935	p>5%	Assuming the null hypothesis is true, the conditional percent probability of observing this result is not statistically significant.	
111936	p<5%	Assuming the null hypothesis is true, the conditional percent probability of observing this result is statistically significant, 95% unlikely to happen by chance.	
111937	p<2%	Assuming the null hypothesis is true, the conditional percent probability of observing this result is statistically significant, 98% unlikely to happen by chance.	

Code Value	Code Meaning	Definition	Notes
111938	p<1%	Assuming the null hypothesis is true, the conditional percent probability of observing this result is statistically significant, 99% unlikely to happen by chance.	
111939	p<0.5%	Assuming the null hypothesis is true, the conditional percent probability of observing this result is statistically significant, 99.5% unlikely to happen by chance.	
111940	Corneal axial power map	A two dimensional representation of the axial curvature of the cornea. Axial curvature is calculated from the reciprocal of the distance from a point on a meridian normal at the point to the corneal topographer axis. Also known as sagittal curvature.	
111941	Corneal instantaneous power map	A two dimensional representation of the instantaneous curvature of the cornea. Instantaneous curvature is calculated from the reciprocal of the distance from a point on a meridian normal at the point to the center of curvature of that point. Also called tangential curvature.	
111942	Corneal refractive power map	A two dimensional representation of the refractive power of the cornea. Corneal refractive power is calculated using Snell's Law.	
111943	Corneal elevation map	A two dimensional representation of the elevation of the cornea. Elevation is calculated as the distance from a point on the corneal surface to a point on a reference surface along a line parallel to the corneal topographer axis. For the purpose of visualization the reference surface is usually a sphere or an ellipse.	
111944	Corneal wavefront map	A two dimensional representation of a wavefront aberration surface of the cornea. Wavefront aberration surface is calculated from the corneal elevation data fit with either the Zernike polynomial series or the Fourier Series. Maps generally display total aberrations and selectable higher order aberrations.	
111945	Elevation-based corneal tomographer	A device that measures corneal anterior surface shape using elevation-based methods (stereographic and light slit-based). Rasterstereography images a grid pattern illuminating the fluorescein dyed tear film with 2 cameras to produce 3D. Slit-based devices scan the cornea, usually by rotation about the instrument axis centered on the cornea vertex.	
111946	Reflection-based corneal topographer	A reflection-based device that projects a pattern of light onto the cornea and an image of the reflection of that pattern from the tear film is recorded in one video frame. Light patterns include the circular mire pattern (Placido disc) and spot matrix patterns. Sequential scanning of light spots reflected from the corneal surface is also used requiring multiple video frames for recording.	
111947	Interferometry-based corneal tomographer	An Interference-based device that projects a beam of light onto and through the cornea. Light reflected from within the cornea is combined with a reference beam giving rise to an interference pattern. Appropriately scanned, this imaging is used to construct 3-dimensional images of the cornea from anterior to posterior surfaces. E.g., swept source OCT.	

Code Value	Code Meaning	Definition	Notes
112000	Chest CAD Report	A structured report containing the results of computer-aided detection or diagnosis applied to chest imaging and associated clinical information.	
112001	Opacity	The shadow of an absorber that attenuates the X-Ray beam more effectively than do surrounding absorbers. In a radiograph, any circumscribed area that appears more nearly white (of lesser photometric density) than its surround [Fraser and Pare].	
112002	Series Instance UID	A unique identifier for a series of DICOM SOP instances.	
112003	Associated Chest Component	A named anatomic region within the chest cavity.	
112004	Abnormal interstitial pattern	A collection of opacities detected within the continuum of loose connective tissue throughout the lung, that is not expected in a diagnostically normal radiograph.	
112005	Radiographic anatomy	A type of anatomy that is expected to be detectable on a radiographic (X-Ray based) image.	
112006	Distribution Descriptor	Characteristic of the extent of spreading of a finding or feature.	
112007	Border definition	Characteristic of the clarity of the boundary or edges of a finding or feature.	
112008	Site involvement	The part(s) of the anatomy affected or encompassed by a finding or feature.	
112009	Type of Content	Characteristic of the matter or substance within a finding or feature.	
112010	Texture Descriptor	Characteristic of the surface or consistency of a finding or feature.	
112011	Positioner Primary Angle	Position of the X-Ray beam about the patient from the RAO to LAO direction where movement from RAO to vertical is positive.	
112012	Positioner Secondary Angle	Position of the X-Ray beam about the patient from the caudal to cranial direction where movement from caudal to vertical is positive.	
112013	Location in Chest	The zone, lobe or segment within the chest cavity in which a finding or feature is situated.	
112014	Orientation Descriptor	Vertical refers to orientation parallel to the superior-inferior (cephalad-caudad) axis of the body, with horizontal being perpendicular to this, and an oblique orientation having projections in both the horizontal and vertical.	
112015	Border shape	Characteristic of the shape formed by the boundary or edges of a finding or feature.	
112016	Baseline Category	Indicates whether a finding was considered a target lesion, non-target lesion, or non-lesion during evaluation of a baseline series, according to a method such as RECIST.	
112017	Cavity extent as percent of volume	The extent of a detected cavity, represented as the percent of the surrounding volume that it occupies.	
112018	Calcification extent as percent of surface	The extent of a detected calcification, represented as the percent of the surrounding surface that it occupies.	
112019	Calcification extent as percent of volume	The extent of a detected calcification, represented as the percent of the surrounding volume that it occupies.	

Code Value	Code Meaning	Definition	Notes
112020	Response Evaluation	A heading for the reporting of response evaluation for treatment of solid tumors.	
112021	Response Evaluation Method	The system applied in the reporting of response evaluation for treatment of solid tumors.	
112022	RECIST	Response Evaluation Criteria In Solid Tumors; see Normative References.	
112023	Composite Feature Modifier	A term that further specifies the name of an item that is an inferred correlation relating two or more individual findings or features.	
112024	Single Image Finding Modifier	A term that further specifies the name of an item that was detected on one image.	
112025	Size Descriptor	A qualitative descriptor for the extent of a finding or feature.	
112026	Width Descriptor	A qualitative descriptor for the thickness of tubular structures, such as blood vessels.	
112027	Opacity Descriptor	A characteristic that further describes the nature of an opacity.	
112028	Abnormal Distribution of Anatomic Structure	The type of adverse affect that a finding or feature is having on the surrounding anatomy.	
112029	WHO	Response evaluation method as defined in chapter 5, "Reporting of Response" of the WHO Handbook for Reporting Results for Cancer Treatment; see Normative References.	
112030	Calcification Descriptor	Identification of the morphology of detected calcifications.	
112031	Attenuation Coefficient	A quantitative numerical statement of the relative attenuation of the X-Ray beam at a specified point. Coefficient that describes the fraction of a beam of X-Rays or gamma rays that is absorbed or scattered per unit thickness of the absorber. This value basically accounts for the number of atoms in a cubic cm volume of material and the probability of a photon being scattered or absorbed from the nucleus or an electron of one of these atoms. Usually expressed in Hounsfield units [referred to as CT Number in Fraser and Pare].	
112032	Threshold Attenuation Coefficient	An X-Ray attenuation coefficient that is used as a threshold. E.g., in calcium scoring.	
112033	Abnormal opacity	An opacity that is not expected in a diagnostically normal radiograph.	
112034	Calculation Description	A textual description of the mathematical method of calculation that resulted in a calculated value.	
112035	Performance of Pediatric and Adult Chest Radiography, ACR	American College of Radiology. ACR Standard for the Performance of Pediatric and Adult Chest Radiography. In: Standards. Reston, Va: 2001:95-98.	
112036	ACR Position Statement	American College of Radiology. ACR Position Statement for Quality Control and Improvement, Safety, Infection Control, and Patient Concerns. In: *Practice Guidelines and Technical Standards*. Reston, Va: 2001:iv.	
112037	Non-lesion Modifier	A descriptor for a non-lesion object finding or feature, used to indicate whether the object was detected as being internal or external to the patient's body.	

Code Value	Code Meaning	Definition	Notes
112038	Osseous Modifier	A concept modifier for an Osseous Anatomy, or bone related, finding.	
112039	Tracking Identifier	A text label used for tracking a finding or feature, potentially across multiple reporting objects, over time. This label shall be unique within the domain in which it is used. Corresponds to Tracking ID (0062,0020).	
112040	Tracking Unique Identifier	A unique identifier used for tracking a finding or feature, potentially across multiple reporting objects, over time. Corresponds to Tracking UID (0062,0021).	
112041	Target Lesion Complete Response	Disappearance of all target lesions.	
112042	Target Lesion Partial Response	At least a 30% decrease in the sum of the Longest Diameter of target lesions, taking as reference the baseline sum Longest Diameter.	
112043	Target Lesion Progressive Disease	At least a 20% increase in the sum of the Longest Diameter of target lesions, taking as reference the smallest sum Longest Diameter recorded since the treatment started, or the appearance of one or more new lesions.	
112044	Target Lesion Stable Disease	Neither sufficient shrinkage to qualify for Partial Response nor sufficient increase to qualify for Progressive Disease, taking as reference the smallest sum Longest Diameter since the treatment started.	
112045	Non-Target Lesion Complete Response	Disappearance of all non-target lesions and normalization of tumor marker level.	
112046	Non-Target Lesion Incomplete Response or Stable Disease	Persistence of one or more non-target lesions and/or maintenance of tumor marker level above the normal limits.	
112047	Non-Target Lesion Progressive Disease	Appearance of one or more new lesions and/or unequivocal progression of existing non-target lesions.	
112048	Current Response	The current response evaluation for treatment of solid tumors, according to a method such as RECIST.	
112049	Best Overall Response	Best response recorded from the start of the treatment until disease progression/recurrence, taking as reference for Progressive Disease the smallest measurements recorded since the treatment started, according to a method such as RECIST.	
112050	Anatomic Identifier	A text identifier of an anatomic feature when a multiplicity of features of that type may be present, such as "Rib 1", "Rib 2" or thoracic vertebrae "T1" or "T2".	
112051	Measurement of Response	A measured or calculated evaluation of response. E.g., according to a method such as RECIST, the value would be the calculated sum of the lengths of the longest axes of a set of target lesions.	
112052	Bronchovascular	Of or relating to a bronchial (lung) specific channel for the conveyance of a body fluid.	
112053	Osseous	Of, relating to, or composed of bone.	
112054	Secondary pulmonary lobule	The smallest unit of lung surrounded by connective tissue septa; the unit of lung subtended by any bronchiole that gives off three to five terminal bronchioles [Fraser and Pare].	

Code Value	Code Meaning	Definition	Notes
112055	Agatston scoring method	A method of calculating an overall calcium score, reflecting the calcification of coronary arteries, based on the maximum X-Ray attenuation coefficient and the area of calcium deposits.	
112056	Volume scoring method	A method of calculating an overall calcium score, reflecting the calcification of coronary arteries, based on the volume of each calcification, typically expressed in mm3.	
112057	Mass scoring method	A method of calculating an overall calcium score, reflecting the calcification of coronary arteries, based on the total mass of calcification, typically expressed in mg.	
112058	Calcium score	A measure often arrived at through calculation of findings from CT examination, which is a common predictor of significant stenosis of the coronary arteries.	
112059	Primary complex	The combination of a focus of pneumonia due to a primary infection with granulomas in the draining hilar or mediastinal lymph nodes [Fraser and Pare].	
112060	Oligemia	General or local decrease in the apparent width of visible pulmonary vessels, suggesting less than normal blood flow (reduced blood flow) [Fraser and Pare].	
112061	Abnormal lines (1D)	Linear opacity of very fine width, i.e., a nearly one dimensional opacity.	
112062	Abnormal lucency	Area of abnormal very low X-Ray attenuation, typically lower than aerated lung when occurring in or projecting over lung, or lower than soft tissue when occurring in or projecting over soft tissue.	
112063	Abnormal calcifications	A calcific opacity within the lung that may be organized, but does not display the trabecular organization of true bone [Fraser and Pare].	
112064	Abnormal texture	Relatively homogeneous, extended, pattern of abnormal opacity in the lung, typically low in contrast.	
112065	Reticulonodular pattern	A collection of innumerable small, linear, and nodular opacities that together produce a composite appearance resembling a net with small superimposed nodules. The reticular and nodular elements are dimensionally of similar magnitude [Fraser and Pare].	
112066	Beaded septum sign	Irregular septal thickening that suggests the appearance of a row of beads; usually a sign of lymphangitic carcinomatosis, but may also occur rarely in sarcoidosis [Fraser and Pare].	
112067	Nodular pattern	A collection of innumerable, small discrete opacities ranging in diameter from 2-10 mm, generally uniform in size and widespread in distribution, and without marginal spiculation [Fraser and Pare].	
112068	Pseudoplaque	An irregular band of peripheral pulmonary opacity adjacent to visceral pleura that simulates the appearance of a pleural plaque and is formed by coalescence of small nodules [Fraser and Pare] .	
112069	Signet-ring sign	A ring of opacities (usually representing a dilated, thick-walled bronchus) in association with a smaller, round, soft tissue opacity (the adjacent pulmonary artery) suggesting a "signet ring" [Fraser and Pare].	

Code Value	Code Meaning	Definition	Notes
112070	Air bronchiologram	Equivalent of air bronchogram, but in airways assumed to be bronchioles because of peripheral location and diameter [Fraser and Pare].	
112071	Air bronchogram	Radiographic shadow of an air-containing bronchus; presumed to represent an air-containing segment of the bronchial tree (identity often inferred) [Fraser and Pare].	
112072	Air crescent	Air in a crescentic shape in a nodule or mass, in which the air separates the outer wall of the lesion from an inner sequestrum, which most commonly is a fungus ball of *Aspergillus*species [Fraser and Pare].	
112073	Halo sign	Ground-glass opacity surrounding the circumference of a nodule or mass. May be a sign of invasive aspergillosis or hemorrhage of various causes [Fraser and Pare].	
112074	Target Lesion at Baseline	Flag denoting that this lesion was identified, at baseline, as a target lesion intended for tracking over time [RECIST].	
112075	Non-Target Lesion at Baseline	Flag denoting that this lesion was not identified, at baseline, as a target lesion, and was not intended for tracking over time [RECIST].	
112076	Non-Lesion at Baseline	Flag denoting that this finding was identified, at baseline, as a category other than a lesion, and was not intended for tracking over time [RECIST].	
112077	Vasoconstriction	Local or general reduction in the caliber of visible pulmonary vessels, presumed to result from decreased flow occasioned by contraction of muscular pulmonary arteries [Fraser and Pare].	
112078	Vasodilation	Local or general increase in the width of visible pulmonary vessels resulting from increased pulmonary blood flow [Fraser and Pare].	
112079	Architectural distortion	A manifestation of lung disease in which bronchi, pulmonary vessels, a fissure or fissures, or septa of secondary pulmonary lobules are abnormally displaced [Fraser and Pare].	
112080	Mosaic perfusion	A patchwork of regions of varied attenuation, interpreted as secondary to regional differences in perfusion [Fraser and Pare].	
112081	Pleonemia	Increased blood flow to the lungs or a portion thereof, manifested by a general or local increase in the width of visible pulmonary vessels [Fraser and Pare].	
112082	Interface	The common boundary between the shadows of two juxtaposed structures or tissues of different texture or opacity (edge, border) [Fraser and Pare].	
112083	Line	A longitudinal opacity no greater than 2 mm in width [Fraser and Pare].	
112084	Lucency	The shadow of an absorber that attenuates the primary X-Ray beam less effectively than do surrounding absorbers. In a radiograph, any circumscribed area that appears more nearly black (of greater photometric density) than its surround [Fraser and Pare].	

Code Value	Code Meaning	Definition	Notes
112085	Midlung window	A midlung region, characterized by the absence of large blood vessels and by a paucity of small blood vessels, that corresponds to the minor fissure and adjacent peripheral lung [Fraser and Pare].	
112086	Carina angle	The angle formed by the right and left main bronchi at the tracheal bifurcation [Fraser and Pare].	
112087	Centrilobular structures	The pulmonary artery and its immediate branches in a secondary lobule; HRCT depicts these vessels in certain cases; a.k.a. core structures or lobular core structures [Fraser and Pare].	
112088	Anterior junction line	A vertically oriented linear or curvilinear opacity approximately 1-2 mm wide, commonly projected on the tracheal air shadow [Fraser and Pare].	
112089	Posterior junction line	A vertically oriented, linear or curvilinear opacity approximately 2 mm wide, commonly projected on the tracheal air shadow, and usually slightly concave to the right [Fraser and Pare].	
112090	Azygoesophageal recess interface	A space in the right side of the mediastinum into which the medial edge of the right lower lobe extends [Fraser and Pare].	
112091	Paraspinal line	A vertically oriented interface usually seen in a frontal chest radiograph to the left of the thoracic vertebral column [Fraser and Pare].	
112092	Posterior tracheal stripe	A vertically oriented linear opacity ranging in width from 2-5 mm, extending from the thoracic inlet to the bifurcation of the trachea, and visible only on lateral radiographs of the chest [Fraser and Pare].	
112093	Right tracheal stripe	A vertically oriented linear opacity approximately 2-3 mm wide extending from the thoracic inlet to the right tracheobronchial angle [Fraser and Pare].	
112094	Stripe	A longitudinal composite opacity measuring 2-5 mm in width; acceptable when limited to anatomic structures within the mediastinum [Fraser and Pare].	
112095	Hiatus	A gap or passage through an anatomical part or organ; especially: a gap through which another part or organ passes.	
112096	Rib Scalene Tubercle	A small rounded elevation or eminence on the first rib for the attachment of the scalenus anterior.	
112097	Vertebral Intervertebral Notch	A groove that serves for the transmission of the vertebral artery.	
112098	Subscapular Fossa	The concave depression of the anterior surface of the scapula.	
112099	Scapular Spine	A sloping ridge dividing the dorsal surface of the scapula into the supraspinatous fossa (above), and the infraspinatous fossa (below).	
112100	Scapular Supraspinatus Fossa	The portion of the dorsal surface of the scapula above the scapular spine.	
112101	Scapular Infraspinatus Fossa	The portion of the dorsal surface of the scapula below the scapular spine.	
112102	Aortic knob	The portion of the aortic arch that defines the transition between its ascending and descending limbs.	

Code Value	Code Meaning	Definition	Notes
112103	Arch of the Azygos vein	Section of Azygos vein near the fourth thoracic vertebra, where it arches forward over the root of the right lung, and ends in the superior vena cava, just before that vessel pierces the pericardium.	
112104	Air-fluid level	A local collection of gas and liquid that, when traversed by a horizontal X-Ray beam, creates a shadow characterized by a sharp horizontal interface between gas density above and liquid density below [Fraser and Pare].	
112105	Corona radiata	A circumferential pattern of fine linear spicules, approximately 5 mm long, extending outward from the margin of a solitary pulmonary nodule through a zone of relative lucency [Fraser and Pare].	
112106	Honeycomb pattern	A number of closely approximated ring shadows representing air spaces 5-10 mm in diameter with walls 2-3 mm thick that resemble a true honeycomb; implies "end-stage" lung [Fraser and Pare].	
112107	Fleischner's line(s)	A straight, curved, or irregular linear opacity that is visible in multiple projections; usually situated in the lower half of the lung; vary markedly in length and width [Fraser and Pare].	
112108	Intralobular lines	Fine linear opacities present in a lobule when the intralobular interstitium is thickened. When numerous, they may appear as a fine reticular pattern [Fraser and Pare].	
112109	Kerley A line	Essentially straight linear opacity 2-6 cm in length and 1-3 mm in width, usually in an upper lung zone [Fraser and Pare].	
112110	Kerley B line	A straight linear opacity 1.5-2 cm in length and 1-2 mm in width, usually at the lung base [Fraser and Pare].	
112111	Kerley C lines	A group of branching, linear opacities producing the appearing of a fine net, at the lung base [Fraser and Pare].	
112112	Parenchymal band	Elongated opacity, usually several millimeters wide and up to about 5 cm long, often extending to the pleura, which may be thickened and retracted at the site of contact [Fraser and Pare].	
112113	Reticular pattern	A collection of innumerable small linear opacities that together produce an appearance resembling a net [Fraser and Pare].	
112114	Septal line(s)	Usually used in the plural, a generic term for linear opacities of varied distribution produced when the interstitium between pulmonary lobules is thickened [Fraser and Pare].	
112115	Subpleural line	A thin curvilinear opacity, a few millimeters or less in thickness, usually less than 1 cm from the pleural surface and paralleling the pleura [Fraser and Pare].	
112116	Tramline shadow	Parallel or slightly convergent linear opacities that suggest the planar projection of tubular structures and that correspond in location and orientation to elements of the bronchial tree [Fraser and Pare].	

Code Value	Code Meaning	Definition	Notes
112117	Tubular shadow	Paired, parallel, or slightly convergent linear opacities presumed to represent the walls of a tubular structure seen en face; used if the anatomic nature of a shadow is obscure [Fraser and Pare].	
112118	Density	The opacity of a radiographic shadow to visible light; film blackening; the term should never be used to mean an "opacity" or "radiopacity" [Fraser and Pare].	
112119	Dependent opacity	Subpleural increased attenuation in dependent lung. The increased attenuation disappears when the region of lung is nondependent; a.k.a. dependent increased attenuation [Fraser and Pare].	
112120	Ground glass opacity	Hazy increased attenuation of lung, but with preservation of bronchial and vascular margins; caused by partial filling of air spaces, interstitial thickening, partial collapse of alveoli, normal expiration, or increased capillary blood volume [Fraser and Pare].	
112121	Infiltrate	Any ill-defined opacity in the lung [Fraser and Pare].	
112122	Micronodule	Discrete, small, round, focal opacity of at least soft tissue attenuation and with a diameter no greater than 7 mm [Fraser and Pare].	
112123	Phantom tumor (pseudotumor)	A shadow produced by a local collection of fluid in one of the interlobar fissures, usually elliptic in one radiographic projection and rounded in the other, resembling a tumor [Fraser and Pare].	
112124	Shadow	Any perceptible discontinuity in film blackening attributed to the attenuation of the X-Ray beam by a specific anatomic absorber or lesion on or within the body of the patient; to be employed only when more specific identification is not possible [Fraser and Pare].	
112125	Small irregular opacities	Term used to define a reticular pattern specific to pneumoconioses [Fraser and Pare].	
112126	Small rounded opacities	Term used to define a nodular pattern specific to pneumoconioses [Fraser and Pare].	
112127	Tree-in-bud sign	Nodular dilation of centrilobular branching structures that resembles a budding tree and represents exudative bronchiolar dilation [Fraser and Pare].	
112128	Granular pattern	Any extended, finely granular pattern of pulmonary opacity within which normal anatomic details are partly obscured [Fraser and Pare].	
112129	Miliary pattern	A collection of tiny discrete opacities in the lungs, each measuring 2 mm or less in diameter, generally uniform in size and widespread in distribution [Fraser and Pare].	
112130	Mosaic pattern	Generalized pattern of relatively well defined areas in the lung having different X-Ray attenuations due to a longstanding underlying pulmonary disease.	
112131	Extremely small	A qualitative descriptor of a size that is dramatically less than typical.	
112132	Very small	A qualitative descriptor of a size that is considerably less than typical.	

Code Value	Code Meaning	Definition	Notes
112133	Too small	A qualitative descriptor of a size that is so small as to be abnormal versus expected size.	
112134	Elliptic	Shaped like an ellipse (oval).	
112135	Lobulated	A border shape that is made up of, provided with, or divided into lobules (small lobes, curved or rounded projections or divisions).	
112136	Spiculated	Radially orientated border shape.	
112137	Sharply defined	The border of a shadow (opacity) is sharply defined [Fraser and Pare].	
112138	Distinctly defined	The border of a shadow (opacity) is distinctly defined [Fraser and Pare].	
112139	Well demarcated	The border of a shadow (opacity) is well distinct from adjacent structures [Fraser and Pare].	
112140	Sharply demarcated	The border of a shadow (opacity) is sharply distinct from adjacent structures [Fraser and Pare].	
112141	Poorly demarcated	The border of a shadow (opacity) is poorly distinct from adjacent structures [Fraser and Pare].	
112142	*Circumscribed*	*A shadow (opacity) possessing a complete or nearly complete visible border [Fraser and Pare].*	*Retired. Replaced by (263706005, SCT, "Circumscribed")*
112143	Air	Inspired atmospheric gas. The word is sometimes used to describe gas within the body regardless of its composition or site [Fraser and Pare].	
112144	Soft tissue	Material having X-Ray attenuation properties similar to muscle.	
112145	Calcium	Material having X-Ray attenuation properties similar to calcium, a silver-white bivalent metallic element occurring in plants and animals.	
112146	Acinar	A pulmonary opacity 4-8 mm in diameter, presumed to represent anatomic acinus, or a collection of opacities in the lung, each measuring 4-8 mm in diameter, and together producing an extended, homogeneous shadow [Fraser and Pare].	
112147	Air space	The gas-containing portion of the lung parenchyma, including the acini and excluding the interstitium [Fraser and Pare].	
112148	Fibronodular	Sharply defined, approximately circular opacities occurring singly or in clusters, usually in the upper lobes [Fraser and Pare].	
112149	Fluffy	A shadow (opacity) that is ill-defined, lacking clear-cut margins [Fraser and Pare].	
112150	Linear	A shadow resembling a line; any elongated opacity of approximately uniform width [Fraser and Pare].	
112151	Profusion	The number of small opacities per unit area or zone of lung. In the International Labor Organization (ILO) classification of radiographs of the pneumoconioses, the qualifiers 0 through 3 subdivide the profusion into 4 categories. The profusion categories may be further subdivided by employing a 12-point scale [Fraser and Pare].	

Code Value	Code Meaning	Definition	Notes
112152	Silhouette sign	The effacement of an anatomic soft tissue border by either a normal anatomic structure or a pathologic state such as airlessness of adjacent lung or accumulation of fluid in the contiguous pleural space; useful in detecting and localizing an opacity along the axis of the X-Ray beam [Fraser and Pare].	
112153	Subpleural	Situated or occurring between the pleura and the body wall.	
112154	Bat's wing distribution	Spatial arrangement of opacities that bears vague resemblance to the shape of a bat in flight; bilaterally symmetric [Fraser and Pare].	
112155	Butterfly distribution	Spatial arrangement of opacities that bears vague resemblance to the shape of a butterfly in flight; bilaterally symmetric [Fraser and Pare].	
112156	Centrilobular	Referring to the region of the bronchioloarteriolar core of a secondary pulmonary lobule [Fraser and Pare].	
112157	Coalescent	The joining together of a number of opacities into a single opacity [Fraser and Pare].	
112158	Lobar	Of or relating to a lobe (a curved or rounded projection or division). E.g., involving an entire lobe of the lung.	
112159	Hyper-acute	Extremely or excessively acute, as a qualitative measure of severity.	
112160	Homogeneous (uniform opacity)	Of uniform opacity or texture throughout [Fraser and Pare].	
112161	Inhomogeneous	Lack of homogeneity in opacity or texture.	
112162	Target	Discrete opacity centrally within a larger opacity, as a calcification descriptor.	
112163	Fibrocalcific	Pertaining to sharply defined, linear, and/or nodular opacities containing calcification(s) [Fraser and Pare].	
112164	Flocculent	Calcifications made up of loosely aggregated particles, resembling wool.	
112165	*Difference in border shape*	*A change in the shape formed by the boundary or edges of a finding or feature.*	*Retired. Replaced by (442755000, SCT, "Difference in border shape")*
112166	*Difference in border definition*	*A change in the clarity of the boundary or edges of a finding or feature.*	*Retired. Replaced by (442688001, SCT, "Difference in border definition")*
112167	*Difference in distribution*	*A change in the extent of spreading of a finding or feature.*	*Retired. Replaced by (442704007, SCT, "Difference in distribution")*
112168	*Difference in site involvement*	*A change in the part(s) of the anatomy affected or encompassed by a finding or feature.*	*Retired. Replaced by (442711006, SCT, "Difference in site involvement")*
112169	*Difference in Type of Content*	*A change in the matter or substance within a finding or feature.*	*Retired. Replaced by (442691001, SCT, "Difference in substance")*
112170	*Difference in Texture*	*A change in the surface or consistency of a finding or feature.*	*Retired. Replaced by (442700003, SCT, "Difference in texture")*

Code Value	Code Meaning	Definition	Notes
112171	Fiducial mark	A location in image space, which may or may not correspond to an anatomical reference, which is often used for registering data.	
112172	Portacath	Connected to an injection chamber placed under the skin in the upper part of the chest. When it is necessary to inject some drug, a specific needle is put in the chamber through the skin and a silicon membrane. The advantage of a portacath is that it may be left in place several months contrarily of "classical" catheters.	
112173	Chest tube	A tube inserted into the chest wall from outside the body, for drainage. Sometimes used for collapsed lung. Usually connected to a receptor placed lower than the insertion site.	
112174	Central line	A tube placed into the subclavian vein to deliver medication directly into the venous system.	
112175	Kidney stent	A stent is a tube inserted into another tube. Kidney stent is a tube that is inserted into the kidney, ureter, and bladder, to help drain urine. Usually inserted through a scoping device presented through the urethra.	
112176	Pancreatic stent	A stent is a tube inserted into another tube. Pancreatic stent is inserted through the common bile duct to the pancreatic duct, to drain bile.	
112177	Nipple ring	A non-lesion object that appears to be a circular band, attached to the body via pierced nipple.	
112178	Coin	A non-lesion object that appears to be a flat round piece of metal.	
112179	Minimum Attenuation Coefficient	The least quantity assignable, admissible, or possible; the least of a set of X-Ray attenuation coefficients.	
112180	Maximum Attenuation Coefficient	The greatest quantity or value attainable or attained; the largest of a set of X-Ray attenuation coefficients.	
112181	Mean Attenuation Coefficient	The value that is computed by dividing the sum of a set of X-Ray attenuation coefficients by the number of values .	
112182	Median Attenuation Coefficient	The value in an ordered set of X-Ray attenuation coefficients, below and above which there is an equal number of values.	
112183	Standard Deviation of Attenuation Coefficient	For a set of X-Ray attenuation coefficients: 1) a measure of the dispersion of a frequency distribution that is the square root of the arithmetic mean of the squares of the deviation of each of the class frequencies from the arithmetic mean of the frequency distribution; 2) a parameter that indicates the way in which a probability function or a probability density function is centered around its mean and that is equal to the square root of the moment in which the deviation from the mean is squared.	
112184	Performance of Pediatric and Adult Thoracic CT	American College of Radiology. ACR Standard for the Performance of Pediatric and Adult Thoracic Computed Tomography (CT). In: Standards. Reston, Va: 2001:103-107.	

Code Value	Code Meaning	Definition	Notes
112185	Performance of CT for Detection of Pulmonary Embolism in Adults	American College of Radiology. ACR Standard for the Performance of Computed Tomography for the Detection of Pulmonary Embolism in Adults. In: Standards. Reston, Va: 2001:109-113.	
112186	Performance of High-Resolution CT of the Lungs in Adults	American College of Radiology. ACR Standard for the Performance of High-Resolution Computed Tomography (HRCT) of the Lungs in Adults. In: Standards. Reston, Va: 2001:115-118.	
112187	Unspecified method of calculation	The method of calculation of a measurement or other type of numeric value is not specified.	
112188	Two-dimensional method	The calculation method was performed in two-dimensional space.	
112189	Three-dimensional method	The calculation method was performed in three-dimensional space.	
112191	Breast tissue density	The relative density of parenchymal tissue as a proportion of breast volume.	
112192	Volume of parenchymal tissue	The volume of parenchymal tissue.	
112193	Volume of breast	The volume of the breast.	
112194	Mass of parenchymal tissue	The mass of parenchymal tissue.	
112195	Mass of breast	The mass of the breast.	
112196	Area of Vascular Calcification	A measured or calculated area of vascular calcification.	
112197	Volume of Vascular Calcification	A measured or calculated volume of vascular calcification.	
112198	Percentage of Vascular Calcification	A measured or calculated percentage of vascular calcification.	
112199	Mass of Vascular Calcification	A measured or calculated mass of vascular calcification.	
112200	Average calcification distance in a calcification cluster	The average nearest neighbor distance of all individual microcalcifications in a cluster.	
112201	Standard deviation distance of calcifications in a cluster	The standard deviation of nearest neighbor distance of all individual microcalcifications in a cluster.	
112220	Colon CAD Report	A structured report containing the results of computer-aided detection or diagnosis applied to colon imaging and associated clinical information.	
112222	Colon Overall Assessment	Overall interpretation of the colon using C-RADS categorization system.	
112224	Image Set Properties	Characteristics of a set of images.	
112225	Slice Thickness	Nominal slice thickness, in mm.	
112226	Spacing between slices	Distance between contiguous images, measured from the center-to-center of each image.	
112227	Frame of Reference UID	Uniquely identifies groups of composite instances that have the same coordinate system that conveys spatial and/or temporal information.	
112228	Recumbent Patient Position with respect to gravity	Patient orientation with respect to downward direction (gravity).	
112229	Identifying Segment	Distinguishes a part of a segmentation.	
112232	Polyp stalk width	The diameter of a polyp stalk measured perpendicular to the axis of the stalk.	

Code Value	Code Meaning	Definition	Notes
112233	Distance from anus	The length of the path following the centerline of the colon from the anus to the area of interest.	
112238	Anatomic non-colon	A location in the body that is outside the colon.	
112240	C0 - Inadequate Study/Awaiting Prior Comparisons	An inadequate study or a study that is awaiting prior comparisons. The study may have inadequate preparation and cannot exclude lesions greater than or equal to ten millimeters owing to presence of fluid or feces. The study may have inadequate insufflation where one or more colonic segments collapsed on both views. Based on "CT Colonography Reporting and Data System: A Consensus Proposal", Radiology, July 2005; 236:3-9.	
112241	C1 - Normal Colon or Benign Lesion	The study has a normal colon or benign lesion, with the recommendation to continue routine screening. The study has no visible abnormalities of the colon. The study has no polyps greater than six millimeters. The study may have lipoma, inverted diverticulum, or nonneoplastic findings, such as colonic diverticula. Based on "CT Colonography Reporting and Data System: A Consensus Proposal", Radiology, July 2005; 236:3-9.	
112242	C2 - Intermediate Polyp or Indeterminate Finding	The study has an intermediate polyp or indeterminate finding and surveillance or colonoscopy is recommended. There may be intermediate polyps between six and nine millimeters and there are less than three in number. The study may have an intermediate finding and cannot exclude a polyp that is greater than or equal to six millimeters in a technically adequate exam. Based on "CT Colonography Reporting and Data System: A Consensus Proposal", Radiology, July 2005; 236:3-9.	
112243	C3 - Polyp, Possibly Advanced Adenoma	The study has a polyp, possibly advanced adenoma, and a follow-up colonoscopy is recommended. The study has a polyp greater than or equal to ten millimeters or the study has three or more polyps that are each between six to nine millimeters. Based on "CT Colonography Reporting and Data System: A Consensus Proposal", Radiology, July 2005; 236:3-9.	
112244	C4 - Colonic Mass, Likely Malignant	The study has a colonic mass, likely malignant, and surgical consultation is recommended. The lesion compromises bowel lumen and demonstrates extracolonic invasion. Based on "CT Colonography Reporting and Data System: A Consensus Proposal", Radiology, July 2005; 236:3-9.	
112248	ACR Guideline, Performance of Adult CT Colonography	American College of Radiology Practice Guideline for the Performance of Computed Tomography (CT) Colonography in Adults. In: *Practice Guidelines and Technical Standards.*Reston, Va: American College of Radiology;2006:371-376.	
112249	ACR Standard, CT medical physics performance monitoring	American College of Radiology Technical Standard for Diagnostic Medical Physics Performance Monitoring of Computed Tomography (CT) Equipment. In: *Practice Guidelines and Technical Standards.*Reston, Va: American College of Radiology;2006:945-948.	
112300	AP+45	View Orientation Modifier indicates that the view orientation of the imaging plane is rotated +45° along the cranial-caudal axis.	

Code Value	Code Meaning	Definition	Notes
112301	AP-45	View Orientation Modifier indicates that the view orientation of the imaging plane is rotated -45° along the cranial-caudal axis.	
112302	Anatomical axis of femur	The axis following the shaft of the femur.	
112303	Acetabular Center of Rotation	Center of Rotation of the natural Acetabulum.	
112304	Femur Head Center of Rotation	Center of Rotation of the natural femur head.	
112305	Acetabular Cup Shell	Prosthetic component implanted into the acetabulum. Provides hold for the insert that is mounted inside the cup.	
112306	Acetabular Cup Insert	Prosthetic pelvic joint component. Inserted into the cup, takes in the femoral head replacement.	
112307	Acetabular Cup Monoblock	Prosthetic pelvic joint cup including insert.	
112308	Femoral Head Ball Component	Component for Femoral Head Prosthesis where the conic intake for the stem neck can be exchanged. Combined with a Femoral Head Cone Taper Component.	
112309	Femoral Head Cone Taper Component	Exchangeable neck intake for composite femoral head prosthesis. Combined with a Femoral Head Ball Component.	

Code Value	Code Meaning	Definition	Notes
112310	Femoral Stem	Prosthesis Implanted into the femoral bone to provide force transmission between joint replacement and bone. On the proximal end a conic neck holds the femoral head replacement.	
112311	Femoral Stem Distal Component	Distal half of a modular stem prosthesis system. Combined with a Stem Proximal Component.	
112312	Femoral Stem Proximal Component	Proximal half of a modular stem prosthesis system. Combined with a Stem Distal Component.	
112313	Femoral Stem Component	Stem prosthetic component with a modular insert for an exchangeable neck component. Combined with a Neck Component.	
112314	Neck Component	Prosthetic Neck to be combined with a Stem Component.	

Code Value	Code Meaning	Definition	Notes
112315	Monoblock Stem	Prosthetic Stem and Femoral Head in one piece.	
112316	Prosthetic Shaft Augment	A proximal attachment to the shaft used to compensate for bone deficiencies or bone loss.	
112317	Femoral Head Resurfacing Component	Artificial femur head surface needed for the partial replacement of the femoral head where only the surface is replaced.	
112318	Pinning	Fixation using a pin.	
112319	Sewing	Fixation sewing several objects together.	
112320	Bolting	Fixation using a bolt.	
112321	Wedging	Fixation due to forcing an object into a narrow space.	
112325	Distal Centralizer	Attachment to the distal end of a cemented stem assuring that the stem is in a central position inside the drilled femoral canal before cementation.	
112340	Generic 2D Planning	Planning by an unspecified 2D method.	
112341	Generic 3D Planning	Planning by an unspecified 3D method.	
112342	Generic Planning for Hip Replacement	Planning of a Hip Replacement, by an unspecified method.	
112343	Generic Planning for Knee Replacement	Planning of Knee Replacement, by an unspecified method.	
112344	Müller Method Planning for Hip Replacement	Planning of Hip Replacement according to the procedure of M. E. Müller [Eggli et. al.1998].	

Code Value	Code Meaning	Definition	Notes
112345	Implantation Plan	A Report containing the results of an Implantation Planning Activity.	
112346	Selected Implant Component	A selection of one Implant Component.	
112347	Component ID	Identification ID of an Implant Component.	
112348	Implant Template	An implant template describing the properties (2D/3D geometry and other data) of one Implant Component.	
112350	Component Connection	A connection of two Connected Implantation Plan Components.	
112351	Mating Feature Set ID	ID of a Mating Feature Set in an Implant Component.	
112352	Mating Feature ID	ID of the Mating Feature in a Mating Feature Set in an Implant Component.	
112353	Spatial Registration	The Spatial Registration of one or more Implant Components.	
112354	Patient Image	Patient Images used for an implantation planning activity.	
112355	Assembly	A collection of Component Connections of Implant Components.	
112356	User Selected Fiducial	Fiducials that are selected by the user and may or may not belong to anatomical landmarks.	
112357	Derived Fiducial	Fiducials that represent geometric characteristics, such as center of rotation, and are derived from other fiducials.	
112358	Information used for planning	All parameters and data that were used for the planning activity.	
112359	Supporting Information	A description of the plan as encapsulated PDF SOP Instance.	
112360	Implant Component List	A list of all Implant Components selected for an implantation.	
112361	Patient Data Used During Planning	Reference to objects containing patient data that is used for planning.	
112362	Degrees of Freedom Specification	A specification of the values from one or more Degrees of Freedom.	
112363	Degree of Freedom ID	ID of one Degree of Freedom.	
112364	Related Patient Data Not Used During Planning	Reference to objects containing patient data that were not used for planning but are somehow related.	
112365	Related Implantation Reports	Implantation Reports that are somehow related. E.g., contemporaneous implantations that are independent.	
112366	Implant Assembly Template	Implant Assembly Template.	
112367	Planning Information for Intraoperative Usage	Information that is intended to be used intra-operatively.	
112368	Implantation Patient Positioning	Position of the patient on the operating room table.	
112369	Fiducial Intent	Intended use of the fiducial.	
112370	Component Type	Type of an Implant Component.	
112371	Manufacturer Implant Template	Implant Template released by the Manufacturer.	
112372	Derived Planning Images	Images that are created by a planning application.	
112373	Other Derived Planning Data	Data that is created by a planning application.	
112374	Connected Implantation Plan Component	One Implant Component that is connected to another Implant Component.	

Code Value	Code Meaning	Definition	Notes
112375	Planning Method	The method used for planning.	
112376	Degree of Freedom Exact Translational Value	Defines the exact value that was planned for translation.	
112377	Degree of Freedom Minimum Translational Value	Defines the minimum value that was planned for translation.	
112378	Degree of Freedom Maximum Translational Value	Defines the maximum value that was planned for translation.	
112379	Degree of Freedom Exact Rotational Translation Value	Defines the exact value that was planned for rotation.	
112380	Degree of Freedom Minimum Rotational Value	Defines the minimum value that was planned for rotation.	
112381	Degree of Freedom Maximum Rotational Value	Defines the maximum value that was planned for rotation.	
112700	Peri-operative Photographic Imaging	Procedure step protocol for photographic imaging of surgical procedures, including photography of specimens collected.	
112701	Gross Specimen Imaging	Procedure step protocol for imaging gross specimens, typically with a photographic camera (modality XC), and planning further dissection.	
112702	Slide Microscopy	Procedure step protocol for imaging slide specimens.	
112703	Whole Slide Imaging	Procedure step protocol for imaging slide specimens using a whole slide scanner.	
112704	WSI 20X RGB	Procedure step protocol for imaging slide specimens using a whole slide scanner with a 20X nominal objective lens, in full color, with a single imaging focal plane across the image.	
112705	WSI 40X RGB	Procedure step protocol for imaging slide specimens using a whole slide scanner with a 40X nominal objective lens, in full color, with a single imaging focal plane across the image.	
112706	Illumination Method	Technique of illuminating specimen.	
112707	Number of focal planes	Number of focal planes for a microscopy image acquisition.	
112708	Focal plane Z offset	Nominal distance above a reference plane (typically a slide glass substrate top surface) of the focal plane.	
112709	Magnification selection	Microscope magnification based on nominal objective lens power.	
112710	Illumination wavelength	Nominal center wavelength for an imaging spectral band.	
112711	Illumination spectral band	Name (coded) for an imaging spectral band.	
112712	Optical filter type	Type of filter inserted into the optical imaging path.	
112713	Tissue selection method	Technique for identifying tissue to be imaged versus area of slide not to be imaged.	
112714	Multiple planes	Imaging performed at multiple imaging (focal) planes.	
112715	5X	Nominal 5 power objective lens, resulting in a digital image at approximately 2 um/pixel spacing.	
112716	10X	Nominal 10 power objective lens, resulting in a digital image at approximately 1 um/pixel spacing.	

Code Value	Code Meaning	Definition	Notes
112717	20X	Nominal 20 power microscope objective lens, resulting in a digital image at approximately 0.5 um/pixel spacing.	
112718	40X	Nominal 40 power microscope objective lens, with a combined condenser and objective lens numerical aperture of approximately 1.3, resulting in a digital image at approximately 0.25 um/pixel spacing.	
112719	Nominal empty tile suppression	Equipment-specific nominal or default method for identifying tiles without tissue imaged for suppression from inclusion in image object.	
112720	High threshold empty tile suppression	Equipment-specific high threshold method for identifying tiles without tissue imaged for suppression from inclusion in image object.	
112721	No empty tile suppression	Tiles without tissue imaged are not suppressed from inclusion in image object.	
113000	Of Interest	Of Interest.	
113001	Rejected for Quality Reasons	Rejected for Quality Reasons.	
113002	For Referring Provider	For Referring Provider.	
113003	For Surgery	For Surgery.	
113004	For Teaching	For Teaching.	
113005	For Conference	For Conference.	
113006	For Therapy	For Therapy.	
113007	For Patient	For Patient.	
113008	For Peer Review	For Peer Review.	
113009	For Research	For Research.	
113010	Quality Issue	Quality Issue.	
113011	Document Title Modifier	Document Title Modifier.	
113012	Key Object Description	Key Object Description.	
113013	Best In Set	A selection that represents the "best" chosen from a larger set of items. E.g., the best images within a Study or Series. The criteria against which "best" is measured is not defined. Contrast this with the more specific term "Best illustration of finding".	
113014	Study	A study is a collection of one or more series of medical images, presentation states, and/or SR documents that are logically related for the purpose of diagnosing a patient. A study may include composite instances that are created by a single modality, multiple modalities or by multiple devices of the same modality. [From Section A.1.2.2 “Study IE” in PS3.3]	
113015	Series	A distinct logical set used to group composite instances. All instances within a Series are of the same modality, in the same Frame of Reference (if any), and created by the same equipment. [See Section A.1.2.3 “Series IE” in PS3.3]	
113016	Performed Procedure Step	An arbitrarily defined unit of service that has actually been performed (not just scheduled). [From Section 7.3.1.9 “Modality Performed Procedure Step” in PS3.3]	

Code Value	Code Meaning	Definition	Notes
113017	Stage-View	An image or set of images illustrating a specific stage (phase in a stress echo exam protocol) and view (combination of the transducer position and orientation at the time of image acquisition).	
113018	For Printing	For Printing.	
113020	For Report Attachment	Selection of information objects for attachment to the clinical report of the Current Requested Procedure.	
113021	For Litigation	List of objects that are related to litigation and should be specially handled. E.g., may apply if a complaint has been received regarding a patient, or a specific set of images has been the subject of a subpoena, and needs to be sequestered or excluded from automatic purging according to retention policy.	
113022	Collection of Presentation States	This Key Object Selection Document references Presentation State instances that are related, which may or may not share a value of Presentation Display Collection UID (0070,1101) or Presentation Sequence Collection UID (0070,1102).	
113026	Double exposure	Double exposure.	
113030	Manifest	A list of objects that have been exported out of one organizational domain into another domain. Typically, the first domain has no direct control over what the second domain will do with the objects.	
113031	Signed Manifest	A signed list of objects that have been exported out of one organizational domain into another domain, referenced securely with either Digital Signatures or MACs. Typically, the first domain has no direct control over what the second domain will do with the objects.	
113032	Complete Study Content	The list of objects that constitute a study at the time that the list was created.	
113033	Signed Complete Study Content	The signed list of objects that constitute a study at the time that the list was created, referenced securely with either Digital Signatures or MACs.	
113034	Complete Acquisition Content	The list of objects that were generated in a single procedure step.	
113035	Signed Complete Acquisition Content	The signed list of objects that were generated in a single procedure step, referenced securely with either Digital Signatures or MACs.	
113036	Group of Frames for Display	A list of frames or single-frame or entire multi-frame instances that together constitute a set for some purpose, such as might be displayed together in the same viewport, as distinct from another set that might be displayed in a separate viewport.	
113037	Rejected for Patient Safety Reasons	List of objects whose use is potentially harmful to the patient. E.g., an improperly labeled image could lead to dangerous surgical decisions.	
113038	Incorrect Modality Worklist Entry	List of objects that were acquired using an incorrect modality worklist entry, and that should not be used, since they may be incorrectly identified.	
113039	Data Retention Policy Expired	List of objects that have expired according to a defined data retention policy.	

Code Value	Code Meaning	Definition	Notes
113040	Lossy Compression	Lossy compression has been applied to an image.	
113041	Apparent Diffusion Coefficient	Values are derived by calculation of the apparent diffusion coefficient. This concept may be used for the diffusion coefficient of various different models, e.g., mono-exponential (ADC_m), kurtosis (ADC_k), stretched-exponential (ADC_s). The "apparent" appellation is because the diffusion images from which the ADC is computed may also be affected by T2 contrast (T2 "shine-through"), so this concept is distinguished from a "pure" diffusion coefficient that is not so affected.	Graessner J. Frequently Asked Questions: Diffusion-Weighted Imaging (DWI). MAGNETOM Flash. Siemens. 2011 Jan. http://clinical-mri.com/wp-content/uploads/software_hardware_updates/Graessner.pdf Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482
113042	Pixel by pixel addition	Values are derived by the pixel by pixel addition of two images.	
113043	Diffusion weighted	Values are derived by calculation of the diffusion weighting.	
113044	Diffusion Anisotropy	Values are derived by calculation of the diffusion anisotropy.	
113045	Diffusion Attenuated	Values are derived by calculation of the diffusion attenuation.	
113046	Pixel by pixel division	Values are derived by the pixel by pixel division of two images.	
113047	Pixel by pixel mask	Values are derived by the pixel by pixel masking of one image by another.	
113048	Pixel by pixel Maximum	Values are derived by calculating the pixel by pixel maximum of two or more images.	
113049	Pixel by pixel mean	Values are derived by calculating the pixel by pixel mean of two or more images.	
113050	Metabolite Maps from spectroscopy data	Values are derived by calculating from spectroscopy data pixel values localized in two dimensional space based on the concentration of specific metabolites (i.e, at specific frequencies).	
113051	Pixel by pixel Minimum	Values are derived by calculating the pixel by pixel minimum of two or more images.	
113052	Mean Transit Time	The time required for blood to pass through a region of tissue.	
113053	Pixel by pixel multiplication	Values are derived by the pixel by pixel multiplication of two images.	

Code Value	Code Meaning	Definition	Notes
113054	Negative Enhancement Integral	The area described by the baseline and the signal loss due to passage of contrast bolus in tissue in a perfusion experiment. Abbreviated NEI or N1.	
113055	*Regional Cerebral Blood Flow*	*The absolute flow rate of blood perfusing a region of the brain as volume per mass per unit of time. The mass divisor may be approximated by a measurement of volume assuming a tissue density of 1.*	*Retired.*
113056	*Regional Cerebral Blood Volume*	*The absolute volume of blood perfusing a region of brain as volume per mass. The mass divisor may be approximated by a measurement of volume assuming a tissue density of 1.*	*Retired.*
113057	R-Coefficient	Correlation Coefficient, r.	
113058	Proton Density	Values are derived by calculating proton density values.	
113059	Signal Change	The relative change in signal.	
113060	Signal to Noise	The ratio of the desired signal to the level of noise.	
113061	Standard Deviation	Values are derived by calculating the standard deviation of two or more images.	
113062	Pixel by pixel subtraction	Values are derived by the pixel by pixel subtraction of two images.	
113063	T1	The time constant for the decay of longitiudinal magnetization caused by spin-lattice relaxation. The inverse of the longitudinal relaxation rate constant, i.e., T1 = 1/R1.	
113064	T2*	The time constant for the decay of transverse magnetization caused by a combination of spin-spin relaxation and magnetic field inhomogeneity. The inverse of the transverse relaxation rate constant, i.e., T2* = 1/R2*.	
113065	T2	The time constant for the decay of transverse magnetization caused by spin-spin relaxation. The inverse of the transverse relaxation rate constant, i.e., T2 = 1/R2.	
113066	Time Course of Signal	The time course of signal.	
113067	Temperature encoded	Values are derived by calculating values based on temperature encoding.	
113068	Student's T-Test	Values are derived by calculating the value of the Student's T-Test statistic from multiple image samples.	
113069	Time To Peak	The time from the start of the contrast agent injection to the maximum enhancement value.	
113070	Velocity encoded	Values are derived by calculating values based on velocity encoded. E.g., phase contrast.	
113071	Z-Score	Values are derived by calculating the value of the Z-Score statistic from multiple image samples.	
113072	Multiplanar reformatting	Values are derived by reformatting in a flat plane other than that originally acquired.	
113073	Curved multiplanar reformatting	Values are derived by reformatting in a curve plane other than that originally acquired.	
113074	Volume rendering	Values are derived by volume rendering of acquired data.	
113075	Surface rendering	Values are derived by surface rendering of acquired data.	

Code Value	Code Meaning	Definition	Notes
113076	Segmentation	Values are derived by segmentation (classification into tissue types) of acquired data.	
113077	Volume editing	Values are derived by selectively editing acquired data (removing values from the volume), such as in order to remove obscuring structures or noise.	
113078	Maximum intensity projection	Values are derived by maximum intensity projection of acquired data.	
113079	Minimum intensity projection	Values are derived by minimum intensity projection of acquired data.	
113080	Glutamate and glutamine	For single-proton MR spectroscopy, the resonance peak corresponding to glutamate and glutamine.	
113081	Choline/Creatine Ratio	For single-proton MR spectroscopy, the ratio between the Choline and Creatine resonance peaks.	
113082	N-acetylaspartate /Creatine Ratio	For single-proton MR spectroscopy, the ratio between the N-acetylaspartate and Creatine resonance peaks.	
113083	N-acetylaspartate /Choline Ratio	For single-proton MR spectroscopy, the ratio between the N-acetylaspartate and Choline resonance peaks.	
113084	Tmax	The time delay to the maximum of the residue function after deconvolution. Shih LC, Saver JL, Alger JR, Starkman S, Leary MC, Vinuela F, et al. Perfusion-Weighted Magnetic Resonance Imaging Thresholds Identifying Core, Irreversibly Infarcted Tissue. Stroke. 2003 Jun 1;34(6):1425-30. doi:10.1161/01.STR.0000072998.70087.E9. http://stroke.ahajournals.org/content/34/6/1425.abstract Østergaard L, Weisskoff RM, Chesler DA, Gyldensted C, Rosen BR. High resolution measurement of cerebral blood flow using intravascular tracer bolus passages. Part I: Mathematical approach and statistical analysis. Magnetic Resonance in Medicine. 1996;36(5):715-25. doi:10.1002/mrm.1910360510. http://onlinelibrary.wiley.com/doi/10.1002/mrm.1910360510/abstract	
113085	Spatial resampling	Values are derived by spatial resampling of acquired data.	
113086	Edge enhancement	Values are derived by edge enhancement.	
113087	Smoothing	Values are derived by smoothing.	
113088	Gaussian blur	Values are derived by Gaussian blurring.	
113089	Unsharp mask	Values are derived by unsharp masking.	
113090	Image stitching	Values are derived by stitching two or more images together.	
113091	Spatially-related frames extracted from the volume	Spatially-related frames in this image are representative frames from the referenced 3D volume data.	
113092	Temporally-related frames extracted from the set of volumes	Temporally-related frames in this image are representative frames from the referenced 3D volume data.	
113093	Polar to Rectangular Scan Conversion	Conversion of a polar coordinate image to rectangular (Cartesian) coordinate image.	

Code Value	Code Meaning	Definition	Notes
113094	Creatine and Choline	For single-proton MR spectroscopy, the resonance peak corresponding to creatine and choline.	
113095	Lipid and Lactate	For single-proton MR spectroscopy, the resonance peak corresponding to lipid and lactate.	
113096	Creatine+Choline/ Citrate Ratio	For single-proton MR spectroscopy, the ratio between the Choline and Creatine resonance peak and the Citrate resonance peak.	
113097	Multi-energy proportional weighting	Image pixels created through proportional weighting of multiple acquisitions at distinct X-Ray energies.	
113098	Magnetization Transfer Ratio	Magnetization Transfer Ratio (MTR) is the ratio of magnetization transfer, Mo - Ms/Mo, where Ms represents the magnitude of signal of tissues with the saturation pulse used to saturate macromolecular protons on, and Mo is the magnitude of signal without saturation. See Dousset V, Grossman RI, Ramer KN, Schnall MD, Young LH, Gonzalez-Scarano F, et al. Experimental allergic encephalomyelitis and multiple sclerosis: lesion characterization with magnetization transfer imaging. Radiology. 1992 Feb 1;182(2):483-91. http://dx.doi.org/10.1148/radiology.182.2.1732968	
113100	Basic Application Confidentiality Profile	De-identification using a profile defined in PS3.15 that requires removing all information related to the identity and demographic characteristics of the patient, any responsible parties or family members, any personnel involved in the procedure, the organizations involved in ordering or performing the procedure, additional information that could be used to match instances if given access to the originals, such as UIDs, dates and times, and private attributes, when that information is present in the non-Pixel Data Attributes, including graphics or overlays.	
113101	Clean Pixel Data Option	Additional de-identification according to an option defined in PS3.15 that requires any information burned in to the Pixel Data corresponding to the Attribute information specified to be removed by the Profile and any other Options specified also be removed.	
113102	Clean Recognizable Visual Features Option	Additional de-identification according to an option defined in PS3.15 that requires that sufficient removal or distortion of the Pixel Data shall be applied to prevent recognition of an individual from the instances themselves or a reconstruction of a set of instances.	
113103	Clean Graphics Option	Additional de-identification according to an option defined in PS3.15 that requires that any information encoded in graphics, text annotations or overlays corresponding to the Attribute information specified to be removed by the Profile and any other Options specified also be removed.	
113104	Clean Structured Content Option	Additional de-identification according to an option defined in PS3.15 that requires that any information encoded in SR Content Items or Acquisition Context Sequence Items corresponding to the Attribute information specified to be removed by the Profile and any other Options specified also be removed.	

Code Value	Code Meaning	Definition	Notes
113105	Clean Descriptors Option	Additional de-identification according to an option defined in PS3.15 that requires that any information that is embedded in text or string Attributes corresponding to the Attribute information specified to be removed by the Profile and any other Options specified also be removed.	
113106	Retain Longitudinal Temporal Information Full Dates Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that any dates and times be retained,.	
113107	Retain Longitudinal Temporal Information Modified Dates Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that any dates and times be modified in a manner that preserves temporal relationships. E.g., Study Date and Time.	
113108	Retain Patient Characteristics Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that any physical characteristics of the patient, which are descriptive rather than identifying information per se, be retained. E.g., Patient's Age, Sex, Size (height) and Weight.	
113109	Retain Device Identity Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that any information that identifies a device be retained. E.g., Device Serial Number.	
113110	Retain UIDs Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that UIDs be retained. E.g., SOP Instance UID.	
113111	Retain Safe Private Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that private attributes that are known not to contain identity information be retained. E.g., private SUV scale factor.	
113112	Retain Institution Identity Option	Retention of information that would otherwise be removed during de-identification according to an option defined in PS3.15 that requires that any information that identifies an institution be retained. E.g., Institution Name.	
113130	Predecessor containing group of imaging subjects	Images used as the source for an image processing operation that extracts data for a single subject from an image containing data for multiple subjects (e.g., a group of animals imaged simultaneously).	
113131	Extraction of individual subject from group	An image processing operation that extracts data for a single subject from an image containing data for multiple subjects (e.g., a group of animals imaged simultaneously).	
113132	Single subject selected from group	A single subject that has been selected from amongst multiple subjects (e.g., a group of animals imaged simultaneously).	

Code Value	Code Meaning	Definition	Notes
113201	Trace	Sum of the diffusion tensor eigenvalues. I.e.: Tr = λ1+ λ2+ λ3, where λ1 ≥ λ2 ≥ λ3. Reference: Winston GP. The physical and biological basis of quantitative parameters derived from diffusion MRI. Quantitative Imaging in Medicine and Surgery. 2012;2(4) :254-265. doi:10.3978/j.issn.2223-4292.2012.12.05. (http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3533595/)	
113202	Mean Diffusivity	Average of the diffusion tensor eigenvalues in all directions. I.e.: MD = (λ1+ λ2+ λ3) /3 Reference: Winston GP. The physical and biological basis of quantitative parameters derived from diffusion MRI. Quantitative Imaging in Medicine and Surgery. 2012;2(4) :254-265. doi:10.3978/j.issn.2223-4292.2012.12.05. (http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3533595/)	
113203	Radial Diffusivity	Average of the two non-principal (i.e., perpendicular) diffusion tensor eigenvalues(also known as transverse diffusivity, perpendicular diffusivity). I.e.: DR= (λ2+ λ3) /2 Reference: Winston GP. The physical and biological basis of quantitative parameters derived from diffusion MRI. Quantitative Imaging in Medicine and Surgery. 2012;2(4) :254-265. doi:10.3978/j.issn.2223-4292.2012.12.05. (http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3533595/)	
113204	Axial Diffusivity	Diffusion tensor eigenvalue of the principal axis (also known as longitudinal diffusivity, parallel diffusivity). I.e.: DA = λ1 Reference: Winston GP. The physical and biological basis of quantitative parameters derived from diffusion MRI. Quantitative Imaging in Medicine and Surgery. 2012;2(4) :254-265. doi:10.3978/j.issn.2223-4292.2012.12.05. (http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3533595/)	

Code Value	Code Meaning	Definition	Notes
113205	Mean Kurtosis	MK = diffusional kurtosis averaged over all gradient directions Reference: Tabesh A, Jensen JH, Ardekani BA, Helpern JA. Estimation of Tensors and Tensor-Derived Measures in Diffusional Kurtosis Imaging. Magnetic Resonance in Medicine. 2011;65(3) :823-836. doi:10.1002/mrm.22655. (http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3042509/) Reference: Liu C, Mang SC, Moseley ME. In VivoGeneralized Diffusion Tensor Imaging (GDTI) Using Higher-Order Tensors (HOT). Magnetic resonance in medicine : official journal of the Society of Magnetic Resonance in Medicine / Society of Magnetic Resonance in Medicine. 2010;63(1) :243-252. doi:10.1002/mrm.22192. (http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2824337/)	
113206	Apparent Kurtosis Coefficient	AKC = diffusional kurtosis in a given direction Reference: Liu C, Mang SC, Moseley ME. In VivoGeneralized Diffusion Tensor Imaging (GDTI) Using Higher-Order Tensors (HOT). Magnetic resonance in medicine : official journal of the Society of Magnetic Resonance in Medicine / Society of Magnetic Resonance in Medicine. 2010;63(1) :243-252. doi:10.1002/mrm.22192. (http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2824337/)	
113207	Radial Kurtosis	KR = diffusional kurtosis perpendicular to the direction of the highest diffusion (also known as transverse kurtosis, perpendicular kurtosis) Reference: Tabesh A, Jensen JH, Ardekani BA, Helpern JA. Estimation of Tensors and Tensor-Derived Measures in Diffusional Kurtosis Imaging. Magnetic Resonance in Medicine. 2011;65(3) :823-836. doi:10.1002/mrm.22655. (http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3042509/)	
113208	Axial Kurtosis	KA = diffusional kurtosis in the direction of the highest diffusion (also known as longitudinal kurtosis, parallel kurtosis) Reference: Tabesh A, Jensen JH, Ardekani BA, Helpern JA. Estimation of Tensors and Tensor-Derived Measures in Diffusional Kurtosis Imaging. Magnetic Resonance in Medicine. 2011;65(3) :823-836. doi:10.1002/mrm.22655. (http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3042509/)	
113209	Fractional Kurtosis Anisotropy	FKA = fractional kurtosis of diffusion in tissues Reference: Liu C, Mang SC, Moseley ME. In VivoGeneralized Diffusion Tensor Imaging (GDTI) Using Higher-Order Tensors (HOT). Magnetic resonance in medicine : official journal of the Society of Magnetic Resonance in Medicine / Society of Magnetic Resonance in Medicine. 2010;63(1) :243-252. doi:10.1002/mrm.22192. (http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2824337/)	

Code Value	Code Meaning	Definition	Notes
113211	Deterministic Tracking Algorithm	Tracking based on local directionality Reference: Descoteaux M, Deriche R, Knösche TR, Anwander A. Deterministic and probabilistic tractography based on complex fibre orientation distributions. IEEE Trans Med Imaging.2009; 28(2) :269-86 (http://www.ncbi.nlm.nih.gov/pubmed/19188114)	
113212	Probabilistic Tracking Algorithm	Tracking using local fiber orientation likelihood derive global connectivity likelihood Reference: Descoteaux M, Deriche R, Knösche TR, Anwander A. Deterministic and probabilistic tractography based on complex fibre orientation distributions. IEEE Trans Med Imaging.2009; 28(2) :269-86 (http://www.ncbi.nlm.nih.gov/pubmed/19188114)	
113213	Global Tracking Algorithm	Tracking allfibers simultaneously, searching for a global optimum. Reference: Reisert M, Mader I, Anastasopoulos C, Weigel M, Schnell S, Kiselev V. Global fiber reconstruction becomes practical. NeuroImage. 2011 Jan 15;54(2) :955-62. (http://www.ncbi.nlm.nih.gov/pubmed/20854913)	
113214	FACT	Fiber Assessment by Continuous Tracking Reference: Mori S, Crain BJ, Chacko VP, van Zijl PC. Three-dimensional tracking of axonal projections in the brain by magnetic resonance imaging. Ann Neurol . 1999 Feb;45(2) :265-9 (http://www.ncbi.nlm.nih.gov/pubmed/9989633) Reference: Descoteaux M, Deriche R, Knösche TR, Anwander A. Deterministic and probabilistic tractography based on complex fibre orientation distributions. IEEE Trans Med Imaging.2009; 28(2) :269-86 (http://www.ncbi.nlm.nih.gov/pubmed/19188114)	
113215	Streamline	Streamline tracking techniques (STT) Reference: Basser PJ, Pajevic S, Pierpaoli C, Duda J, Aldroubi A. In vivo fiber tractography using DT-MRI data. Magn Reson Med. 2000 Oct;44(4) :625-32 (http://www.ncbi.nlm.nih.gov/pubmed/11025519)	
113216	TEND	Tensor Deflection Reference: Lazar M, Weinstein DM, Tsuruda JS, Hasan KM, Arfanakis K, Meyerand ME, Badie B, Rowley HA, Haughton V, Field A, Alexander AL. White matter tractography using diffusion tensor deflection. Hum Brain Mapp.2003 Apr;18(4) :306-21. (http://www.ncbi.nlm.nih.gov/pubmed/12632468)	

Code Value	Code Meaning	Definition	Notes
113217	Bootstrap Tracking Algorithm	Non-parametric estimation of fiber tracking dispersion Reference: Lazar M, Alexander AL. Bootstrap white matter tractography (BOOT-TRAC). Neuroimage. 2005 Jan 15;24(2) :524-32. Epub 2004 Nov 24. (http://www.ncbi.nlm.nih.gov/pubmed/15627594) Reference: Jones DK, Pierpaoli C. Confidence mapping in diffusion tensor magnetic resonance imaging tractography using a bootstrap approach. Magn Reson Med.2005 May;53(5) :1143-9. (http://www.ncbi.nlm.nih.gov/pubmed/15844149)	
113218	Euler	Integration method, 1st order Reference: Basser PJ, Pajevic S, Pierpaoli C, Duda J, Aldroubi A. In vivo fiber tractography using DT-MRI data. Magn Reson Med. 2000 Oct;44(4) :625-32 (http://www.ncbi.nlm.nih.gov/pubmed/11025519) Reference: Descoteaux M, Deriche R, Knösche TR, Anwander A. Deterministic and probabilistic tractography based on complex fibre orientation distributions. IEEE Trans Med Imaging.2009; 28(2) :269-86 (http://www.ncbi.nlm.nih.gov/pubmed/19188114)	
113219	Runge-Kutta	Integration method, 2nd or 4th order Reference: Basser PJ, Pajevic S, Pierpaoli C, Duda J, Aldroubi A. In vivo fiber tractography using DT-MRI data. Magn Reson Med. 2000 Oct;44(4) :625-32 (http://www.ncbi.nlm.nih.gov/pubmed/11025519)	
113221	HARDI	High Angular Resolution Diffusion Imaging Reference: Tuch DS, Reese TG, Wiegell MR, Makris N, Belliveau JW, Wedeen VJ. High angular resolution diffusion imaging reveals intravoxel white matter fiber heterogeneity. Magn Reson Med.2002 Oct;48(4) :577-82. (http://www.ncbi.nlm.nih.gov/pubmed/12353272) Reference: Descoteaux M, Deriche R, Knösche TR, Anwander A. Deterministic and probabilistic tractography based on complex fibre orientation distributions. IEEE Trans Med Imaging.2009; 28(2) :269-86 (http://www.ncbi.nlm.nih.gov/pubmed/19188114)	
113222	DKI	Diffusion(al) Kurtosis Imaging Reference: Jensen JH, Helpern JA, Ramani A, Lu H, Kaczynski K. Diffusional kurtosis imaging: the quantification of non-gaussian water diffusion by means of magnetic resonance imaging. Magn Reson Med. 2005 Jun;53(6) :1432-40. (http://www.ncbi.nlm.nih.gov/pubmed/15906300)	

Code Value	Code Meaning	Definition	Notes
113223	DTI	Diffusion Tensor Imaging Reference: Winston GP. The physical and biological basis of quantitative parameters derived from diffusion MRI. Quantitative Imaging in Medicine and Surgery. 2012;2(4) :254-265. doi:10.3978/j.issn.2223-4292.2012.12.05. (http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3533595/)	
113224	DSI	Diffusion Spectrum Imaging Reference: Wedeen VJ, Wang RP, Schmahmann JD, Benner T, Tseng WY, Dai G, Pandya DN, Hagmann P, D'Arceuil H, de Crespigny AJ. Diffusion spectrum magnetic resonance imaging (DSI) tractography of crossing fibers. Neuroimage. 2008 Jul 15;41(4) :1267-77. doi:10.1016/j.neuroimage.2008.03.036. (http://www.ncbi.nlm.nih.gov/pubmed/18495497) Reference: Hagmann P, Jonasson L, Maeder P, Thiran JP, Wedeen VJ, Meuli R. Understanding diffusion MR imaging techniques: from scalar diffusion-weighted imaging to diffusion tensor imaging and beyond. Radiographics.2006 Oct;26 Suppl 1:S205-23. (http://www.ncbi.nlm.nih.gov/pubmed/17050517)	
113225	LSDI	Line Scan Diffusion Imaging sequence Reference: Gudbjartsson H, Maier SE, Mulkern RV, Mórocz IA, Patz S, Jolesz FA. Line scan diffusion imaging. Magn Reson Med.1996 Oct;36(4) :509-19. (http://www.ncbi.nlm.nih.gov/pubmed/8892201)	
113226	Single Shot EPI	An Echo Planar Imaging sequence in which the entire range of phase encoding steps is acquired in one repetition. Reference: Turner R, Le Bihan D, Chesnick AS. Echo-planar imaging of diffusion and perfusion. Magn Reson Med.1991 Jun;19(2) :247-53. (http://www.ncbi.nlm.nih.gov/pubmed/1881311)	
113227	Multi Shot EPI	An Echo Planar Imaging sequence in which separate parts of the range of phase encoding steps are acquired in multiple repetitions. Reference: Robson MD, Anderson AW, Gore JC. Diffusion-weighted multiple shot echo planar imaging of humans without navigation. Magn Reson Med.1997 Jul;38(1) :82-8. (http://www.ncbi.nlm.nih.gov/pubmed/9211383)	

Code Value	Code Meaning	Definition	Notes
113228	Parallel Imaging	A imaging sequence that uses a subset of k-space data from an array of receiver coils, e.g., Sensitivity Encoding. Reference: Pruessmann KP, Weiger M, Scheidegger MB, Boesiger P. SENSE: sensitivity encoding for fast MRI. Magn Reson Med.1999 Nov;42(5) :952-62. (http://www.ncbi.nlm.nih.gov/pubmed/10542355) Reference: Deshmane A, Gulani V, Griswold MA, Seiberlich N. Parallel MR imaging. J Magn Reson Imaging. 2012 Jul;36(1) :55-72. (http://www.ncbi.nlm.nih.gov/pubmed/22696125)	
113231	Single Tensor	Modeling anisotropic diffusion in a volume with a tensor following a Gaussian distribution (six degrees of freedom) Reference: Basser PJ, Mattiello J, LeBihan D. Estimation of the effective self-diffusion tensor from the NMR spin echo. J Magn Reson B.1994 Mar;103(3) :247-54. (http://www.ncbi.nlm.nih.gov/pubmed/8019776) Reference: Hagmann P1, Jonasson L, Maeder P, Thiran JP, Wedeen VJ, Meuli R. Understanding diffusion MR imaging techniques: from scalar diffusion-weighted imaging to diffusion tensor imaging and beyond. Radiographics.2006 Oct;26 Suppl 1:S205-23. (http://www.ncbi.nlm.nih.gov/pubmed/17050517)	
113232	Multi Tensor	Modeling anisotropic diffusion in a volume by fitting of multiple tensors Reference: Ozarslan E, Mareci TH. Generalized diffusion tensor imaging and analytical relationships between diffusion tensor imaging and high angular resolution diffusion imaging. Magn Reson Med.2003 Nov;50(5) :955-65. (http://www.ncbi.nlm.nih.gov/pubmed/14587006) Reference: Pasternak O, Assaf Y, Intrator N, Sochen N. Variational multiple-tensor fitting of fiber-ambiguous diffusion-weighted magnetic resonance imaging voxels. Magn Reson Imaging.2008 Oct;26(8) :1133-44. doi:10.1016/j.mri.2008.01.006. (http://www.ncbi.nlm.nih.gov/pubmed/18524529)	
113233	Model Free	Reconstruction of anisotropic diffusion in a volume without imposing an underlying statistical model (data-driven approach) Reference: Wedeen VJ, Hagmann P, Tseng WY, Reese TG, Weisskoff RM. Mapping complex tissue architecture with diffusion spectrum magnetic resonance imaging. Magn Reson Med.2005 Dec;54(6) :1377-86. (http://www.ncbi.nlm.nih.gov/pubmed/16247738) Reference: Hagmann P, Jonasson L, Maeder P, Thiran JP, Wedeen VJ, Meuli R. Understanding diffusion MR imaging techniques: from scalar diffusion-weighted imaging to diffusion tensor imaging and beyond. Radiographics.2006 Oct;26 Suppl 1:S205-23. (http://www.ncbi.nlm.nih.gov/pubmed/17050517)	

Code Value	Code Meaning	Definition	Notes
113234	CHARMED	Composite Hindered and Restricted Model of Diffusion Reference: Assaf Y, Basser PJ. Composite hindered and restricted model of diffusion (CHARMED) MR imaging of the human brain. Neuroimage.2005 Aug 1;27(1) :48-58. (http://www.ncbi.nlm.nih.gov/pubmed/17050517)	
113236	DOT	Diffusion Orientation Transform Reference: Ozarslan E, Shepherd TM, Vemuri BC, Blackband SJ, Mareci TH. Resolution of complex tissue microarchitecture using the diffusion orientation transform (DOT). Neuroimage. 2006 Jul 1;31(3) :1086-103. Epub 2006 Mar 20. (http://www.ncbi.nlm.nih.gov/pubmed/16546404)	
113237	PAS	Persistent Angular Structure Reference: Jansons KM, Alexander DC. Persistent Angular Structure: new insights from diffusion MRI data. Dummy version. Inf Process Med Imaging.2003 Jul;18:672-83. (http://www.ncbi.nlm.nih.gov/pubmed/15344497)	
113238	Spherical Deconvolution	A method to estimate the distribution of fiber orientations by deconvolution of the diffusion-weighted signal attenuation measured over the surface of a sphere expressed as the convolution over the sphere of a response function. Reference: Tournier JD, Calamante F, Gadian DG, Connelly A. Direct estimation of the fiber orientation density function from diffusion-weighted MRI data using spherical deconvolution. NeuroImage. 2004 Nov;23(3) :1176-85. (http://www.ncbi.nlm.nih.gov/pubmed/15528117)	
113240	Source image diffusion b-value	The diffusion sensitization factor (b value) used during acquisition of the source image used for a diffusion model.	
113241	Model fitting method	The method used to fit a set of data to a mathematical model. E.g., least squares.	

Code Value	Code Meaning	Definition	Notes
113250	Mono-exponential diffusion model	Mono-exponential (single compartment) Apparent Diffusion Coefficient (ADC) model.	Burdette JH, Elster AD, Ricci PE. Calculation of apparent diffusion coefficients (ADCs) in brain using two-point and six-point methods. J Comput Assist Tomogr. 1998 Oct;22(5):792-4. http://journals.lww.com/jcat/pages/articleviewer.aspx?year=1998&issue=09000&article=00023&type=abstract Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482

Code Value	Code Meaning	Definition	Notes
113251	Bi-exponential (IVIM) diffusion model	Bi-exponential intravoxel incoherent motion (IVIM) model.	Merisaari H, Movahedi P, Perez IM, Toivonen J, Pesola M, Taimen P, et al. Fitting methods for intravoxel incoherent motion imaging of prostate cancer on region of interest level: Repeatability and gleason score prediction. Magnetic Resonance in Medicine. 2016. http://dx.doi.org/10.1002/mrm.26169 Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482 Barbieri S, Donati OF, Froehlich JM, Thoeny HC. Impact of the calculation algorithm on biexponential fitting of diffusion-weighted MRI in upper abdominal organs. Magnetic Resonance in Medicine. 2016;75(5):2175-84. http://dx.doi.org/10.1002/mrm.25765
113252	Kurtosis diffusion model	.	Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482

Code Value	Code Meaning	Definition	Notes
113253	Gamma distribution model	.	Oshio K, Shinmoto H, Mulkern RV. Interpretation of diffusion MR imaging data using a gamma distribution model. Magn Reson Med Sci. 2014;13: 191-195. http://dx.doi.org/10.2463/mrms.2014-0016
113254	Stretched exponential diffusion model	.	Bennett KM, Schmainda KM, Bennett RT, Rowe DB, Lu H, Hyde JS. Characterization of continuously distributed cortical water diffusion rates with a stretched-exponential model. Magn Reson Med. 2003;50: 727-734. http://dx.doi.org/10.1002/mrm.10581 Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482
113255	Truncated Gaussian diffusion model	.	Yablonskiy DA, Bretthorst GL, Ackerman JJH. Statistical model for diffusion attenuated MR signal. Magnetic Resonance in Medicine. 2003;50(4):664-9. http://dx.doi.org/10.1002/mrm.10578
113260	Log of ratio of two samples	Model fitting by using the log of the ratio of the two samples.	Burdette JH, Elster AD, Ricci PE. Calculation of apparent diffusion coefficients (ADCs) in brain using two-point and six-point methods. J Comput Assist Tomogr. 1998 Oct;22(5):792-4. http://journals.lww.com/jcat/pages/articleviewer.aspx?year=1998&issue=09000&article=00023&type=abstract

Code Value	Code Meaning	Definition	Notes
113261	Least squares fit of multiple samples	Model fitting by least squares method from more than two samples.	Burdette JH, Elster AD, Ricci PE. Calculation of apparent diffusion coefficients (ADCs) in brain using two-point and six-point methods. J Comput Assist Tomogr. 1998 Oct;22(5):792-4. http://journals.lww.com/jcat/pages/articleviewer.aspx?year=1998&issue=09000&article=00023&type=abstract
113265	Levenberg-Marquardt	Model fitting by Levenberg-Marquardt method.	Barbieri S, Donati OF, Froehlich JM, Thoeny HC. Impact of the calculation algorithm on biexponential fitting of diffusion-weighted MRI in upper abdominal organs. Magnetic Resonance in Medicine. 2016;75(5):2175-84. http://dx.doi.org/10.1002/mrm.25765
113266	Trust-Region	Model fitting by Trust-Region method.	Barbieri S, Donati OF, Froehlich JM, Thoeny HC. Impact of the calculation algorithm on biexponential fitting of diffusion-weighted MRI in upper abdominal organs. Magnetic Resonance in Medicine. 2016;75(5):2175-84. http://dx.doi.org/10.1002/mrm.25765
113267	Fixed-Dp	Model fitting by Fixed-Dp method.	Barbieri S, Donati OF, Froehlich JM, Thoeny HC. Impact of the calculation algorithm on biexponential fitting of diffusion-weighted MRI in upper abdominal organs. Magnetic Resonance in Medicine. 2016;75(5):2175-84. http://dx.doi.org/10.1002/mrm.25765
113268	Segmented-Unconstrained	Model fitting by Segmented-Unconstrained method.	Barbieri S, Donati OF, Froehlich JM, Thoeny HC. Impact of the calculation algorithm on biexponential fitting of diffusion-weighted MRI in upper abdominal organs. Magnetic Resonance in Medicine. 2016;75(5):2175-84. http://dx.doi.org/10.1002/mrm.25765

Code Value	Code Meaning	Definition	Notes
113269	Segmented-Constrained	Model fitting by Segmented-Constrained method.	Barbieri S, Donati OF, Froehlich JM, Thoeny HC. Impact of the calculation algorithm on biexponential fitting of diffusion-weighted MRI in upper abdominal organs. Magnetic Resonance in Medicine. 2016;75(5):2175-84. http://dx.doi.org/10.1002/mrm.25765
113270	Bayesian-Probability	Model fitting by Bayesian-Probability method.	Barbieri S, Donati OF, Froehlich JM, Thoeny HC. Impact of the calculation algorithm on biexponential fitting of diffusion-weighted MRI in upper abdominal organs. Magnetic Resonance in Medicine. 2016;75(5):2175-84. http://dx.doi.org/10.1002/mrm.25765 Neil JJ, Bretthorst GL. On the use of bayesian probability theory for analysis of exponential decay date: An example taken from intravoxel incoherent motion experiments. Magnetic Resonance in Medicine. 1993;29(5):642-7. http://dx.doi.org/10.1002/mrm.1910290510
...	...	...	...
113285	Voxelwise selection of b-value	Diffusion modeling by voxelwise selection of b-values.	Gatidis S, Schmidt H, Martirosian P, Nikolaou K, Schwenzer NF. Apparent diffusion coefficient-dependent voxelwise computed diffusion-weighted imaging: An approach for improving SNR and reducing T2 shine-through effects. Journal of Magnetic Resonance Imaging. 2016;43(4):824-32. http://dx.doi.org/10.1002/jmri.25044

Code Value	Code Meaning	Definition	Notes
113288	Volume Ratio	Coefficient reflecting the anisotropy of the tissues, derived from a diffusion weighted MR image. It represents the volume of an ellipsoid whose semimajor axes are the three eigenvalues of the diffusion tensor divided by the volume of a sphere whose radius is the mean diffusivity.	Pierpaoli C, Basser PJ. Toward a quantitative assessment of diffusion anisotropy. Magn Reson Med. 1996 Dec 1;36(6):893-906. http://onlinelibrary.wiley.com/doi/10.1002/mrm.1910360612/abstract
113289	Diffusion Coefficient	The pure diffusion coefficient, i.e., one that is not affected by T2 contrast effects.	Graessner J. Frequently Asked Questions: Diffusion-Weighted Imaging (DWI). MAGNETOM Flash. Siemens. 2011 Jan. http://clinical-mri.com/wp-content/uploads/software_hardware_updates/Graessner.pdf
113290	Mono-exponential Apparent Diffusion Coefficient	The diffusion coefficient of a mono-exponential diffusion model (ADC_m).	Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482

Code Value	Code Meaning	Definition	Notes
113291	Slow Diffusion Coefficient	The slow diffusion coefficient (D_s) of a bi-exponential intravoxel incoherent motion (IVIM) diffusion model.	Merisaari H, Movahedi P, Perez IM, Toivonen J, Pesola M, Taimen P, et al. Fitting methods for intravoxel incoherent motion imaging of prostate cancer on region of interest level: Repeatability and gleason score prediction. Magnetic Resonance in Medicine. 2016. http://dx.doi.org/10.1002/mrm.26169 Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482 Barbieri S, Donati OF, Froehlich JM, Thoeny HC. Impact of the calculation algorithm on biexponential fitting of diffusion-weighted MRI in upper abdominal organs. Magnetic Resonance in Medicine. 2016;75(5):2175-84. http://dx.doi.org/10.1002/mrm.25765

Code Value	Code Meaning	Definition	Notes
113292	Fast Diffusion Coefficient	The fast diffusion coefficient (D_f) of a bi-exponential intravoxel incoherent motion (IVIM) diffusion model.	Merisaari H, Movahedi P, Perez IM, Toivonen J, Pesola M, Taimen P, et al. Fitting methods for intravoxel incoherent motion imaging of prostate cancer on region of interest level: Repeatability and gleason score prediction. Magnetic Resonance in Medicine. 2016. http://dx.doi.org/10.1002/mrm.26169 Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482 Barbieri S, Donati OF, Froehlich JM, Thoeny HC. Impact of the calculation algorithm on biexponential fitting of diffusion-weighted MRI in upper abdominal organs. Magnetic Resonance in Medicine. 2016;75(5):2175-84. http://dx.doi.org/10.1002/mrm.25765

Code Value	Code Meaning	Definition	Notes
113293	Fast Diffusion Coefficient Fraction	The fast diffusion fraction of a bi-exponential intravoxel incoherent motion (IVIM) diffusion model..	Merisaari H, Movahedi P, Perez IM, Toivonen J, Pesola M, Taimen P, et al. Fitting methods for intravoxel incoherent motion imaging of prostate cancer on region of interest level: Repeatability and gleason score prediction. Magnetic Resonance in Medicine. 2016. http://dx.doi.org/10.1002/mrm.26169 Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482 Barbieri S, Donati OF, Froehlich JM, Thoeny HC. Impact of the calculation algorithm on biexponential fitting of diffusion-weighted MRI in upper abdominal organs. Magnetic Resonance in Medicine. 2016;75(5):2175-84. http://dx.doi.org/10.1002/mrm.25765
113294	Kurtosis Diffusion Coefficient	The diffusion coefficient of a kurtosis diffusion model (ADC_k).	Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482

Code Value	Code Meaning	Definition	Notes
113295	Gamma Distribution Scale Parameter	The scale (theta) parameter of a gamma distribution diffusion model.	Oshio K, Shinmoto H, Mulkern RV. Interpretation of diffusion MR imaging data using a gamma distribution model. Magn Reson Med Sci. 2014;13: 191-195. http://dx.doi.org/10.2463/mrms.2014-0016
113296	Gamma Distribution Shape Parameter	The shape (k) parameter of a gamma distribution diffusion model.	Oshio K, Shinmoto H, Mulkern RV. Interpretation of diffusion MR imaging data using a gamma distribution model. Magn Reson Med Sci. 2014;13: 191-195. http://dx.doi.org/10.2463/mrms.2014-0016
113297	Gamma Distribution Mode	The mode (maximum value of probability density function) of a gamma distribution diffusion model. Computed as (k-1)*theta, for k >= 1.	http://en.wikipedia.org/wiki/Gamma_distribution
113298	Distributed Diffusion Coefficient	The distributed diffusion coefficient of a stretched-exponential diffusion model (ADC_s).	Bennett KM, Schmainda KM, Bennett RT, Rowe DB, Lu H, Hyde JS. Characterization of continuously distributed cortical water diffusion rates with a stretched-exponential model. Magn Reson Med. 2003;50: 727-734. http://dx.doi.org/10.1002/mrm.10581 Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482

Code Value	Code Meaning	Definition	Notes
113299	Anomalous Exponent Parameter	The anomalous exponent (stretching, alpha) parameter of a stretched-exponential diffusion model. This describes the deviation of the signal attenuation from mono-exponential behavior	Bennett KM, Schmainda KM, Bennett RT, Rowe DB, Lu H, Hyde JS. Characterization of continuously distributed cortical water diffusion rates with a stretched-exponential model. Magn Reson Med. 2003;50: 727-734. http://dx.doi.org/10.1002/mrm.10581 Toivonen J, Merisaari H, Pesola M, Taimen P, Boström PJ, Pahikkala T, et al. Mathematical models for diffusion-weighted imaging of prostate cancer using b values up to 2000 s/mm2: Correlation with Gleason score and repeatability of region of interest analysis. Magnetic Resonance in Medicine. 2015;74(4):1116-24. http://dx.doi.org/10.1002/mrm.25482
113500	Radiopharmaceutical Radiation Dose Report	The procedure report is a Radiopharmaceutical Radiation Dose report	
113502	Radiopharmaceutical Administration	Information pertaining to the administration of a radiopharmaceutical	
113503	Radiopharmaceutical Administration Event UID	Unique identification of a single radiopharmaceutical administration event.	
113505	Intravenous Extravasation Symptoms	Initial signs or symptoms of extravasation	
113506	Estimated Extravasation Activity	The estimated percentage of administered activity lost at the injection site. The estimation includes extravasation, paravenous administration and leakage at the injection site.	
113507	Administered activity	The calculated activity at the Radiopharmaceutical Start Time when the radiopharmaceutical is administered to the patient. The residual activity (i.e., radiopharmaceutical not administered) , if measured, is reflected in the calculated value. The estimated extravasation is not reflected in the calculated value.	
113508	Pre-Administration Measured Activity	Radioactivity measurement of radiopharmaceutical before or during the administration.	
113509	Post-Administration Measured Activity	Radioactivity measurement of radiopharmaceutical after the administration.	
113510	Drug Product Identifier	Registered drug establishment code for product, coding scheme example is NDC or RxNorm	
113511	Radiopharmaceutical Dispense Unit Identifier	The human readable identification of the specific radiopharmaceutical dispensed quantity or dose ("dose" as unit of medication delivery, not radiation dose measure) to be administered to the patient.	

Code Value	Code Meaning	Definition	Notes
113512	Radiopharmaceutical Lot Identifier	Identifies the vial, batch or lot number from which the individual dispense radiopharmaceutical quantity (dose) is produced. The Radiopharmaceutical Dispense Unit Identifier records the identification for each individual dose.	
113513	Reagent Vial Identifier	Identifies the lot or unit serial number for the reagent component for the radiopharmaceutical.	
113514	Radionuclide Vial Identifier	Identifies the lot or unit serial number for the radionuclide component for the radiopharmaceutical.	
113516	Prescription Identifier	Administered Product's Prescription Number	
113517	Organ Dose Information	Information pertaining to the estimated absorbed radiation dose to an organ.	
113518	Organ Dose	The absorbed radiation dose to organ	
113520	MIRD Pamphlet 1	Reference authority MIRD Pamphlet No.1 (rev) ,Society of Nuclear Medicine, 1976	
113521	ICRP Publication 53	Reference authority ICRP, 1988. Radiation Dose to Patients from Radiopharmaceuticals. ICRP Publication 53. Ann. ICRP 18 (1-4).	
113522	ICRP Publication 80	Reference authority ICRP, 1998. Radiation Dose to Patients from Radiopharmaceuticals (Addendum to ICRP Publication 53). ICRP Publication 80. Ann. ICRP 28 (3).	
113523	ICRP Publication 106	Reference authority ICRP, 2008. Radiation Dose to Patients from Radiopharmaceuticals - Addendum 3 to ICRP Publication 53. ICRP Publication 106. Ann. ICRP 38 (1-2).	
113526	MIRDOSE	Reference authority Stabin MG, Sparks RB, Crowe E (1994) MIRDOSE: personal computer software for internal dose assessment in nuclear medicine [Computer program]	
113527	OLINDA-EXM	Reference authority Stabin MG, Sparks RB, Crowe E (2005) OLINDA/EXM: The Second-Generation Personal Computer Software for Internal Dose Assessment in Nuclear Medicine [Computer program]	
113528	Package Insert	Reference authority The reported organ dose is based on radiopharmaceutical's package insert.	
113529	Institutionally Approved Estimates	Reference authority The reported organ dose is based on Institutionally approved estimates from the Radioactive Drug Research Committee (RDRC) of the institution itself.	

Code Value	Code Meaning	Definition	Notes
113530	Investigational New Drug	Reference authority The reported organ dose is based on an Investigation new drug.	
113540	Activity Measurement Device	The type of device that performed the activity measurement.	
113541	Dose Calibrator	The device that measures the radiation activity of the radiopharmaceutical	
113542	Infusion System	Radiopharmaceutical Infusion System	
113543	Generator	Radioisotope Generator	
113550	Fasting Duration	The number hours the patient has gone without food.	
113551	Hydration Volume	The amount of fluids the patient has consumed before the procedure.	
113552	Recent Physical Activity	A description of physical activity the patient performed before the start of the procedure, such as that which may affect imaging agent biodistribution.	
113560	Acute unilateral renal blockage	Blockage in one of the tubes (ureters) that drain urine from the kidneys	
113561	Low Thyroid Uptake	5% or less Thyroid Uptake of Iodine	
113562	High Thyroid Uptake	25% or higher Thyroid Uptake of Iodine	
113563	Severely Jaundiced	The patient exhibits symptoms severe of jaundice and/or has a Bilirubin >10 mg/dL.	
113568	Extravasation visible in image	Extravasation or paravenous administration of the product is visible in the images.	
113570	Cockroft-Gault Formula estimation of GFR	The measurement method of the Glomerular Filtration Rate is Cockroft-Gault Formula	
113571	CKD-EPI Formula estimation of GFR	The measurement method of the Glomerular Filtration Rate is CKD-EPI Formula	
113572	Glomerular Filtration Rate (MDRD)	The measurement method of the Glomerular Filtration Rate is MDRD	
113573	Glomerular Filtration Rate non-black (MDRD)	The measurement method of the Glomerular Filtration Rate is non-black MDRD	
113574	Glomerular Filtration Rate black (MDRD)	The measurement method of the Glomerular Filtration Rate is black (MDRD)	
113575	Glomerular Filtration Rate female (MDRD)	The measurement method of the Glomerular Filtration Rate is female (MDRD)	
113576	Glomerular Filtration Rate Cystatin-based formula	The measurement method of the Glomerular Filtration Rate is Cystatin-based formula	
113577	Glomerular Filtration Rate Creatinine-based formula (Schwartz)	The measurement method of the Glomerular Filtration Rate is Creatinine-based formula (Schwartz)	
113601	Small: < 32.0 cm lateral thickness	Small body thickness for calcium scoring adjustment. Lateral thickness is measured from skin-to-skin, at the level of the proximal ascending aorta, from an A/P localizer image.	
113602	Medium: 32.0-38.0 cm lateral thickness	Medium body thickness for calcium scoring adjustment. Lateral thickness is measured from skin-to-skin, at the level of the proximal ascending aorta, from an A/P localizer image.	

Code Value	Code Meaning	Definition	Notes
113603	Large: > 38.0 cm lateral thickness	Large body thickness for calcium scoring adjustment. Lateral thickness is measured from skin-to-skin, at the level of the proximal ascending aorta, from an A/P localizer image.	
113605	Irradiation Event Label	A human-readable label identifying an irradiation event.	
113606	Label Type	The type of a human-readable label.	
113607	Series Number	A number that identifies a Series. Corresponds to (0020,0011) in PS3.3.	
113608	Acquisition Number	A number that identifies an Acquisition. Corresponds to (0020,0012) in PS3.3.	
113609	Instance Number	A number that identifies an Instance. Corresponds to (0020,0013) in PS3.3.	
113611	Stationary Acquisition	Acquisition where the X-Ray source does not move in relation to the patient.	
113612	Stepping Acquisition	Acquisition where the X-Ray source moves laterally in relation to the patient.	
113613	Rotational Acquisition	Acquisition where the X-Ray source moves angularly in relation to the patient.	
113620	Plane A	Primary plane of a Biplane acquisition equipment.	
113621	Plane B	Secondary plane of a Biplane acquisition equipment.	
113622	Single Plane	Single plane acquisition equipment.	
113630	Continuous	Continuous X-Ray radiation is applied during an irradiation event.	
113631	Pulsed	Pulsed X-Ray radiation is applied during an irradiation event.	
113650	Strip filter	Filter with uniform thickness.	
113651	Wedge filter	Filter with variation in thickness from one edge to the opposite edge.	
113652	Butterfly filter	Filter with two triangular sections.	
113653	Flat filter	Filter with uniform thickness that is for spectral filtering only. E.g., filter out low energy portion of the X-Ray that would only contribute to skin dose, but not to image.	
113661	Outline of lobulations	A polyline defining the outline of a lobulated finding.	
113662	Inner limits of fuzzy margin	A polyline defining the inner limits of a finding with fuzzy margin.	
113663	Outer limits of fuzzy margin	A polyline defining the outer limits of a finding with fuzzy margin.	
113664	Outline of spiculations	A polyline defining the outline of the spiculations of a finding.	
113665	Linear spiculation	A polyline segment graphically indicating the location and direction of a spiculation of a finding.	
113666	Pixelated spiculations	A collection of points indicating the pixel locations of the spiculations of a finding.	
113669	Orthogonal location arc	Connected line segments indicating the center of location of a finding on an orthogonal view.	
113670	Orthogonal location arc inner margin	Connected line segments indicating the inner margin of the location of a finding on an orthogonal view.	

Code Value	Code Meaning	Definition	Notes
113671	Orthogonal location arc outer margin	Connected line segments indicating the outer location of a finding on an orthogonal view.	
113680	Quality Control Intent	This procedure is intended to gather data that is used for calibration or other quality control purposes.	
113681	Phantom	An artificial subject of an imaging study.	
113682	ACR Accreditation Phantom - CT	A phantom acceptable for the ACR Computed Tomography Accreditation program.	
113683	ACR Accreditation Phantom - MR	A phantom acceptable for the ACR Magnetic Resonance Imaging Accreditation program.	
113684	ACR Accreditation Phantom - Mammography	A phantom acceptable for the ACR Mammography Accreditation program.	
113685	ACR Accreditation Phantom - Stereotactic Breast Biopsy	A phantom acceptable for the ACR Stereotactic Breast Biopsy Accreditation program.	
113686	ACR Accreditation Phantom - ECT	A phantom acceptable for the ACR SPECT Accreditation program (but not for PET).	
113687	ACR Accreditation Phantom - PET	A phantom acceptable for the ACR PET Accreditation program (but not for SPECT).	
113688	ACR Accreditation Phantom - ECT/PET	A SPECT phantom with a PET faceplate acceptable for both the ACR SPECT and PET Accreditation programs.	
113689	ACR Accreditation Phantom - PET Faceplate	A PET faceplate (made to fit an existing flangeless or flanged ECT phantom) acceptable for the ACR PET Accreditation program.	
113690	IEC Head Dosimetry Phantom	A phantom used for CTDI measurement in head modes according to IEC 60601-2-44, Ed.2.1 (Head 16 cm diameter Polymethyl methacrylate PMMA).	
113691	IEC Body Dosimetry Phantom	A phantom used for CTDI measurement in body modes according to IEC 60601-2-44, Ed.2.1 (Body 32cm diameter Polymethyl methacrylate PMMA).	
113692	NEMA XR21-2000 Phantom	A phantom in accordance with NEMA standard XR-21-2000.	
113701	X-Ray Radiation Dose Report	X-Ray Radiation Dose Report.	
113702	Accumulated X-Ray Dose Data	X-Ray dose data accumulated over multiple irradiation events. E.g., for a study or a performed procedure step.	
113704	Projection X-Ray	Imaging using a point X-Ray source with a diverging beam projected onto a 2 dimensional detector.	
113705	Scope of Accumulation	Entity over which dose accumulation values are integrated.	
113706	Irradiation Event X-Ray Data	X-Ray dose data for a single Irradiation Event.	
113710	*Niobium or Niobium compound*	*Material containing Niobium or a Niobium compound*	*Retired. Replaced by (429310004, SCT, "Niobium or Niobium compound")*
113711	*Europium or Europium compound*	*Material containing Europium or a Europium compound*	*Retired. Replaced by (429591003, SCT, "Europium or Europium compound")*
113720	Calibration Protocol	Describes the method used to derive the calibration factor.	
113721	Irradiation Event Type	Denotes the type of irradiation event recorded.	
113722	Dose Area Product Total	Total calculated Dose Area Product (in the scope of the including report).	

Code Value	Code Meaning	Definition	Notes
113723	Calibration DateTime	Last calibration DateTime for the integrated dose meter or dose calculation.	
113724	Calibration Responsible Party	Individual or organization responsible for calibration.	
113725	Dose (RP) Total	Total Dose related to Reference Point (RP). (in the scope of the including report).	
113726	Fluoro Dose Area Product Total	Total calculated Dose Area Product applied in Fluoroscopy Modes (in the scope of the including report).	
113727	Acquisition Dose Area Product Total	Total calculated Dose Area Product applied in Acquisition Modes (in the scope of the including report).	
113728	Fluoro Dose (RP) Total	Dose applied in Fluoroscopy Modes, related to Reference Point (RP). (in the scope of the including report).	
113729	Acquisition Dose (RP) Total	Dose applied in Acquisition Modes, related to Reference Point (RP). (in the scope of the including report).	
113730	Total Fluoro Time	Total accumulated clock time of Fluoroscopy in the scope of the including report (i.e., the sum of the Irradiation Duration values for accumulated fluoroscopy irradiation events).	
113731	Total Number of Radiographic Frames	Accumulated Count of exposure pulses (single or multi-frame encoded) created from irradiation events performed with high dose (acquisition).	
113732	Fluoro Mode	Mode of application of X-Rays during Fluoroscopy.	
113733	KVP	Applied X-Ray Tube voltage at peak of X-Ray generation, in kilovolts; Mean value if measured over multiple peaks (pulses).	
113734	X-Ray Tube Current	Mean value of applied Tube Current.	
113735	*Exposure Time*	*Cumulative time the patient has received X-Ray exposure during the irradiation event*	*Retired. Replaced by (113824, DCM, "Exposure Time").*
113736	Exposure	Mean value of X-Ray Current Time product.	
113737	Distance Source to Reference Point	Distance to the Reference Point (RP) defined according to IEC 60601-2-43 or equipment defined.	
113738	Dose (RP)	Dose applied at the Reference Point (RP).	
113739	Positioner Primary End Angle	Positioner Primary Angle at the end of an irradiation event. For further definition see (112011, DCM, "Positioner Primary Angle").	
113740	Positioner Secondary End Angle	Positioner Secondary Angle at the end of an irradiation event. For further definition see (112012, DCM, "Positioner Secondary Angle").	
113742	Irradiation Duration	Clock time from the start of loading time of the first pulse until the loading time trailing edge of the final pulse in the same irradiation event. Note Loading time is defined in IEC 60601-1-3:2008, 3.37, and described in IEC 60601-2-54:2009, 203.4.101.3.	
113743	Patient Orientation	Orientation of the Patient with respect to Gravity.	
113744	Patient Orientation Modifier	Enhances or modifies the Patient orientation specified in Patient Orientation.	

Code Value	Code Meaning	Definition	Notes
113745	Patient Table Relationship	Orientation of the Patient with respect to the Head of the Table.	
113748	Distance Source to Isocenter	Distance from the X-Ray Source to the Equipment C-Arm Isocenter.(Center of Rotation).	
113750	Distance Source to Detector	Measured or calculated distance from the X-Ray source to the detector plane in the center of the beam.	
113751	Table Longitudinal Position	Table Longitudinal Position with respect to an arbitrary chosen reference by the equipment. Table motion towards LAO is positive assuming that the patient is positioned supine and its head is in normal position.	
113752	Table Lateral Position	Table Lateral Position with respect to an arbitrary chosen reference by the equipment. Table motion towards CRA is positive assuming that the patient is positioned supine and its head is in normal position.	
113753	Table Height Position	Table Height Position with respect to an arbitrary chosen reference by the equipment in (mm). Table motion downwards is positive.	
113754	Table Head Tilt Angle	Angle of the head-feet axis of the table in degrees relative to the horizontal plane. Positive values indicate that the head of the table is upwards.	See “Table Coordinate System” in PS3.3.
113755	Table Horizontal Rotation Angle	Rotation of the table in the horizontal plane (clockwise when looking from above the table).	See “Table Coordinate System” in PS3.3.
113756	Table Cradle Tilt Angle	Angle of the left-right axis of the table in degrees relative to the horizontal plane. Positive values indicate that the left of the table is upwards.	See “Table Coordinate System” in PS3.3.
113757	X-Ray Filter Material	X-Ray absorbing material used in the filter.	
113758	X-Ray Filter Thickness Minimum	The minimum thickness of the X-Ray absorbing material used in the filters.	
113759	Table Longitudinal End Position	Table Longitudinal Position at the end of an irradiation event; see (113751, DCM, "Table Longitudinal Position").	
113760	Table Lateral End Position	Table Lateral Position at the end of an irradiation event; see (113752, DCM, "Table Lateral Position").	
113761	Table Height End Position	Table Height Position at the end of an irradiation event; see (113753, DCM, "Table Height Position").	
113763	Calibration Uncertainty	Uncertainty of the 'actual' value.	
113764	Acquisition Plane	Identification of Acquisition Plane with Biplane systems.	
113766	Focal Spot Size	Nominal Size of Focal Spot of X-Ray Tube.	
113767	Average X-Ray Tube Current	Average X-Ray Tube Current averaged over time for pulse or for continuous Fluoroscopy.	
113768	Number of Pulses	Number of pulses applied by X-Ray systems during an irradiation event (acquisition run or pulsed fluoro).	
113769	Irradiation Event UID	Unique identification of a single irradiation event.	
113770	Column Angulation	Angle of the X-Ray beam in degree relative to an orthogonal axis to the detector plane.	
113771	X-Ray Filters	Devices used to modify the energy or energy distribution of X-Rays.	
113772	X-Ray Filter Type	Type of filter(s) inserted into the X-Ray beam. E.g., wedges.	

Code Value	Code Meaning	Definition	Notes
113773	X-Ray Filter Thickness Maximum	The maximum thickness of the X-Ray absorbing material used in the filters.	
113780	Reference Point Definition	System provided definition of the Reference Point used for Dose calculations.	
113788	Collimated Field Height	Distance between the collimator blades in pixel column direction as projected at the detector plane.	
113789	Collimated Field Width	Distance between the collimator blades in pixel row direction as projected at the detector plane.	
113790	Collimated Field Area	Collimated field area at image receptor. Area for compatibility with IEC 60601-2-43.	
113791	Pulse Rate	Pulse rate applied by equipment during Fluoroscopy.	
113792	Distance Source to Table Plane	Measured or calculated distance from the X-Ray source to the table plane in the center of the beam.	
113793	Pulse Width	(Average) X-Ray pulse width.	
113794	Dose Measurement Device	Calibrated device to perform dose measurements.	
113795	Acquired Image	Image acquired during a specified event.	
113800	DLP to E conversion via MC computation	Effective Dose evaluation from the product of Dose Length Product (DLP) and the Effective Dose Conversion Factor (E/DLP in units of mSv/mGy-cm), where the ratio is derived by means of Monte Carlo computations.	
113801	CTDIfreeair to E conversion via MC computation	Effective Dose evaluation from the product of the Mean CTDIfreeair and the ratio E/CTDIfreeair (mSv/mGy), where the ratio is derived by means of Monte Carlo computations.	
113802	DLP to E conversion via measurement	Effective Dose evaluation from the product of Dose Length Product (DLP) and the Effective Dose Conversion Factor (E/DLP in units of mSv/mGy-cm), where the ratio is derived by means of dosimetric measurements with an anthropomorphic phantom.	
113803	CTDIfreeair to E conversion via measurement	Effective Dose evaluation from the product of the Mean CTDIfreeair and the ratio E/CTDIfreeair (mSv/mGy), where the ratio is derived by means of dosimetric measurements with an anthropomorphic phantom.	
113804	Sequenced Acquisition	The CT acquisition was performed by acquiring single or multi detector data while rotating the source about the gantry while the table is not moving. Additional slices are acquired by incrementing the table position and again rotating the source about the gantry while the table is not moving.	
113805	Constant Angle Acquisition	The CT acquisition was performed by holding the source at a constant angle and moving the table to obtain a projection image. E.g., localizer.	
113806	Stationary Acquisition	The CT acquisition was performed by holding the table at a constant position and acquiring multiple slices over time at the same location.	
113807	Free Acquisition	The CT acquisition was performed while rotating the source about the gantry while the table movement is under direct control of a human operator or under the control of an analysis application. E.g., fluoro.	

Code Value	Code Meaning	Definition	Notes
113808	ICRP Pub 60	Reference authority 1990 Recommendations of the International Commission on Radiological Protection (ICRP Publication 60, published as the Annals of the ICRP Vol. 21, No. 1-3, Pergamon Press,1991).	
113809	Start of X-Ray Irradiation	Start DateTime of the first X-Ray Irradiation Event of the accumulation within a Study.	
113810	End of X-Ray Irradiation	End DateTime of the last X-Ray Irradiation Event of the accumulation within a Study.	
113811	CT Accumulated Dose Data	X-Ray dose accumulated over multiple CT irradiation events. E.g., for a study or a performed procedure step.	
113812	Total Number of Irradiation Events	Total number of events during the defined scope of accumulation.	
113813	CT Dose Length Product Total	The total dose length product defined scope of accumulation.	
113814	CT Effective Dose Total	The total Effective Dose at the defined scope of accumulation.	
113815	Patient Model	Identification of the reference-patient model used when Effective Dose is evaluated via Monte Carlo calculations or from a Dose Length Product conversion factor based on Monte Carlo calculations.	
113816	Condition Effective Dose measured	References the physical phantom and the type of dosimeter used when measurements are done to establish Effective Dose Conversion Factors (E/DLP) or ratios E/CTDIfreeair.	
113817	Effective Dose Phantom Type	Type of Effective Dose phantom used.	
113818	Dosimeter Type	Type of dosimeter used.	
113819	CT Acquisition	General description of the CT Irradiation event.	
113820	CT Acquisition Type	Method of the CT acquisition.	
113821	X-Ray Filter Aluminum Equivalent	Thickness of an equivalent filter in mm in Aluminum.	
113822	CT Acquisition Parameters	General description of the acquisition parameters.	
113823	Number of X-Ray Sources	Number of X-Ray sources.	
113824	Exposure Time	Total time the patient has received X-Ray exposure during the irradiation event.	
113825	Scanning Length	Length of the table travel during the entire tube loading, according to IEC 60601-2-44 Note Scanning Length might be longer than the programmed acquisition length (Length of Reconstructable Volume)	
113826	Nominal Single Collimation Width	The value of the nominal width referenced to the location of the isocenter along the z axis of a single row of acquired data in mm.	
113827	Nominal Total Collimation Width	The value of the nominal width referenced to the location of the isocenter along the z axis of the total collimation in mm over the area of active X-Ray detection.	

Code Value	Code Meaning	Definition	Notes
113828	Pitch Factor	For Spiral scanning: Pitch Factor = (Table Feed per Rotation (mm)) /(Nominal Total Collimation Width (mm)) For Sequenced scanning: Pitch Factor = (Table Feed per single Sequenced scan (mm)) /(Nominal Total Collimation Width (mm)).	
113829	CT Dose	General description of CT dose values.	
113830	Mean CTDIvol	"Mean CTDIvol" refers to the average value of the CTDIvol associated with this acquisition.	
113831	CT X-Ray Source Parameters	Identification, tube-potential, tube-current, and exposure-time parameters associated with an X-Ray source during an acquisition.	
113832	Identification of the X-Ray Source	Identifies the particular X-Ray source (in a multi-source CT system) for which the set of X-Ray source parameter values is reported.	
113833	Maximum X-Ray Tube Current	Maximum X-Ray tube current.	
113834	Exposure Time per Rotation	The exposure time for one rotation of the source around the object in s.	
113835	CTDIw Phantom Type	A label describing the type of phantom used for CTDIW measurement according to IEC 60601-2-44 (Head 16 cm diameter PMMA, Body 32 cm diameter PMMA).	
113836	CTDIfreeair Calculation Factor	The CTDIfreeair Calculation Factor is the CTDIfreeair per mAs, expressed in units of mGy/mAs. The CTDIfreeair Calculation Factor may be used in one method calculating Dose.	
113837	Mean CTDIfreeair	The average value of the free-in-air CTDI associated with this acquisition.	
113838	DLP	Dose Length Product (DLP), expressed in mGy-cm, is an index characterizing the product of the CTDIvol and the length scanned. For Spiral scanning, DLP = CTDIvol × Scanning Length. For Sequenced scanning, DLP = CTDIvol × Nominal Total Collimation Width × Cumulative Exposure Time / Exposure Time per Rotation. For Stationary and Free scanning, DLP = CTDIvol × Nominal Total Collimation Width.	
113839	Effective Dose	Effective dose in mSv.	
113840	Effective Dose Conversion Factor	Effective Dose per DLP, reference value for Effective Dose calculation, expressed in mSv/mGY.cm.	
113841	ICRP Pub 103	Effective Dose Reference authority 2007 Recommendations of the International Commission on Radiological Protection (ICRP Publication 103, published as the Annals of the ICRP Vol. 37, No. 2-4, Elsevier, 2007).	
113842	X-Ray Modulation Type	The type of exposure modulation used for the purpose of limiting the dose.	
113845	Exposure Index	Measure of the detector response to radiation in the relevant image region of an image acquired with a digital X-Ray imaging system as defined in IEC 62494-1; see PS3.3 definition of Exposure Index Macro.	

Code Value	Code Meaning	Definition	Notes
113846	Target Exposure Index	The target value used to calculate the Deviation Index as defined in IEC 62494-1; see PS3.3 definition of Exposure Index Macro.	
113847	Deviation Index	A scaled representation of the accuracy of the Exposure Index compared to the Target Exposure Index as defined in IEC 62494-1; see PS3.3 definition of Exposure Index Macro.	
113850	Irradiation Authorizing	The clinician responsible for determining that the irradiating procedure was appropriate for the indications.	
113851	Irradiation Administering	The person responsible for the administration of radiation.	
113852	Irradiation Event	An irradiation event is the loading of X-Ray equipment caused by a single continuous actuation of the equipment's irradiation switch, from the start of the loading time of the first pulse until the loading time trailing edge of the final pulse. Any automatic on-off switching of the irradiation source during the event is not treated as separate events, rather the event includes the time between start and stop of irradiation as triggered by the user. E.g., a pulsed fluoro X-Ray acquisition shall be treated as a single irradiation event.	
113853	*Irradiation Event UID*	*Unique Identifier of an Irradiation Event.*	*Retired. Replaced by (113769, DCM, "Irradiation Event UID")*
113854	Source of Dose Information	Method by which dose-related details of an Irradiation Event were obtained.	
113855	Total Acquisition Time	Total accumulated acquisition clock time in the scope of the including report (i.e., the sum of the Irradiation Duration values for accumulated acquisition irradiation events).	
113856	Automated Data Collection	Direct recording of data by a relevant system.	
113857	Manual Entry	Recording of data by a human operator, including manual transcription of electronic data.	
113858	MPPS Content	The data is taken from an MPPS SOP Instance.	
113859	Irradiating Device	A device exposing a patient to ionizing radiation.	
113860	15cm from Isocenter toward Source	15cm from the isocenter towards the X-Ray source; See IEC 60601-2-43.	
113861	30cm in Front of Image Input Surface	30cm in front (towards the tube) of the input surface of the image receptor; See FDA Federal Performance Standard for Diagnostic X-Ray Systems §1020.32(d) (3).	
113862	1cm above Tabletop	1cm above the patient tabletop or cradle; See FDA Federal Performance Standard for Diagnostic X-Ray Systems §1020.32(d) (3).	
113863	30cm above Tabletop	30cm above the patient tabletop of cradle; See FDA Federal Performance Standard for Diagnostic X-Ray Systems §1020.32(d) (3).	
113864	15cm from Table Centerline	15cm from the centerline of the X-Ray table and in the direction of the X-Ray source; See FDA Federal Performance Standard for Diagnostic X-Ray Systems §1020.32(d) (3).	

Code Value	Code Meaning	Definition	Notes
113865	Entrance exposure to a 4.2 cm breast thickness	Standard breast means a 4.2 centimeter (cm) thick compressed breast consisting of 50 percent glandular and 50 percent adipose tissue. See Department of Health and Human Services, Food and Drug Administration. Mammography quality standards; final rule. Federal Register. Oct. 28, 1997; 68(208):55852-55994; see 900.2(uu).	
113866	Copied From Image Attributes	The data is copied from information present in the image attributes. E.g., dose attributes such as CTDIvol (0018,9345).	
113867	Computed From Image Attributes	The data is computed from information present in the image attributes. E.g., by using dosimetry information for the specific irradiating device make and model, applied to technique information such as KVP and mAs.	
113868	Derived From Human-Readable Reports	The data is derived from human-readable reports. E.g., by natural language parsing of text reports, or optical character recognition from reports saved as images by the irradiating device.	
113870	Person Name	The name of a specific person.	
113871	Person ID	An identification number or code for a specific person.	
113872	Person ID Issuer	The organization that issued a Person ID.	
113873	Organization Name	The name of an organization.	
113874	Person Role in Organization	The role played by a person in an organization.	
113875	Person Role in Procedure	The role played by a person in a procedure.	
113876	Device Role in Procedure	The role played by a device in a procedure.	
113877	Device Name	The name used to refer to a device; usually locally unique.	
113878	Device Manufacturer	Manufacturer of a device.	
113879	Device Model Name	Model Name of a device.	
113880	Device Serial Number	Serial Number of a device.	
113890	All Planes	All planes of a multi-plane acquisition equipment.	
113893	Length of Reconstructable Volume	The length from which images may be reconstructed (i.e., excluding any overranging performed in a spiral acquisition that is required for data interpolation). Value is distinct from (1113825, DCM, "Scanning Length"), which is the actual length of the table travel during the entire tube loading, according to IEC 60601-2-44, and includes overranging. Also distinct from any actual Reconstructed Volume, which may depend on the slice thickness chosen for a particular reconstruction.	
113895	Top Z Location of Reconstructable Volume	The Z location that is the top (highest Z value) of the Reconstructable Volume. Specified as the Z component within the Patient Coordinate System defined by a specified Frame of Reference.	
113896	Bottom Z Location of Reconstructable Volume	The Z location that is the bottom (lowest Z value) of the Reconstructable Volume. Specified as the Z component within the Patient Coordinate System defined by a specified Frame of Reference.	

Code Value	Code Meaning	Definition	Notes
113897	Top Z Location of Scanning Length	The Z location that is the top (highest Z value) of the scanning length. Specified as the Z component within the Patient Coordinate System defined by a specified Frame of Reference.	
113898	Bottom Z Location of Scanning Length	The Z location that is the bottom (lowest Z value) of the scanning length. Specified as the Z component within the Patient Coordinate System defined by a specified Frame of Reference.	
113899	Exposed Range	The range along the z axis of the total volume irradiated, per IEC 60601-2-44, Ed. 3, 203.115(b). The start and stop of loading corresponding to the outer edge of the full width half maximum of the free-in-air dose profile for the beam collimation used.	
113900	Dose Check Alert Details	Report section about cumulative dose alerts during an examination.	
113901	DLP Alert Value Configured	Flag denoting whether a DLP Alert Value was configured.	
113902	CTDIvol Alert Value Configured	Flag denoting whether a CTDIvol Alert Value was configured.	
113903	DLP Alert Value	Cumulative Dose Length Product value configured to trigger an alert; see NEMA XR 25-2010 Dose Check Standard.	
113904	CTDIvol Alert Value	Cumulative CTDIvol value configured to trigger an alert; see NEMA XR 25-2010 Dose Check Standard.	
113905	Accumulated DLP Forward Estimate	A forward estimate of the accumulated DLP plus the estimated DLP for the next Protocol Element Group; see NEMA XR 25-2010 Dose Check Standard.	
113906	Accumulated CTDIvol Forward Estimate	A forward estimate at a given location of the accumulated CTDIvol plus the estimated CTDIvol for the next Protocol Element Group; see NEMA XR 25-2010 Dose Check Standard.	
113907	Reason for Proceeding	Reason provided for proceeding with a procedure that is projected to exceed a configured dose value.	
113908	Dose Check Notification Details	Report section about dose notifications during a protocol element.	
113909	DLP Notification Value Configured	Flag denoting whether a DLP Notification Value was configured.	
113910	CTDIvol Notification Value Configured	Flag denoting whether a CTDIvol Notification Value was configured.	
113911	DLP Notification Value	Dose Length Product value configured to trigger a notification for a given protocol element.	
113912	CTDIvol Notification Value	CTDIvol value configured to trigger a notification for a given protocol element.	
113913	DLP Forward Estimate	A forward estimate of the DLP for the next Protocol Element Group; see NEMA XR 25-2010 Dose Check Standard.	
113914	CTDIvol Forward Estimate	A forward estimate of the CTDIvol for the next Protocol Element Group; see NEMA XR 25-2010 Dose Check Standard.	
113921	Radiation Exposure	The amount of ionizing radiation to which the patient was exposed.	

Code Value	Code Meaning	Definition	Notes
113922	*Radioactive Substance Administered*	*Type, amount and route of radioactive substance administered.*	*Retired. Replaced by (440252007, SCT, "Administration of radiopharmaceutical").*
113923	*Radiation Exposure and Protection Information*	*Exposure to ionizing radiation and associated preventive measures used to reduce the exposure of parts of the body like lead apron or eye, thyroid gland or gonad protection.*	*Retired. Replaced by (73569-6, LN, "Radiation Exposure and Protection Information")*
113930	Size Specific Dose Estimation	The Size-Specific Dose Estimate is a patient dose estimate that takes into account the size of the patient, such as described in [AAPM Report 204] or [AAPM Report 220] by using linear dimensions measured on the patient or patient images or estimated from patient age.	
113931	Measured Lateral Dimension	The side-to-side (left to right) dimension of the body part being scanned (per [AAPM Report 204]).	
113932	Measured AP Dimension	The thickness of the body part being scanned, in the antero-posterior dimension (per [AAPM Report 204]).	
113933	Derived Effective Diameter	The diameter of the patient at a given location along the Z-axis of the patient, assuming that the patient has a circular cross-section (per [AAPM Report 204]).	
113934	AAPM 204 Lateral Dimension	The Size Specific Dose Estimation is computed using Table 1B (32cm phantom) or Table 2B (16cm phantom) of [AAPM Report 204].	
113935	AAPM 204 AP Dimension	The Size Specific Dose Estimation is computed using Table 1C (32cm phantom) or Table 2C (16cm phantom) of [AAPM Report 204].	
113936	AAPM 204 Sum of Lateral and AP Dimension	The Size Specific Dose Estimation is computed using Table 1A (32cm phantom) or Table 2A (16cm phantom) of [AAPM Report 204].	
113937	AAPM 204 Effective Diameter Estimated From Patient Age	The Size Specific Dose Estimation is computed using Table 1D (32cm phantom) or Table 2D (16cm phantom) using an effective diameter estimated from the patient's age using Table 3 of [AAPM Report 204].	
113940	System Calculated	Values calculated from other existing parameters.	
113941	In Detector Plane	A segmented region of the detector surface within the irradiated area (but might not be near the center of the detector).	
113942	X-Ray Reading Device	A device that creates digital images from X-Ray detectors (Direct, Indirect or Storage).	
113943	X-Ray Source Data Available	Parameters related to the X-Ray source (generator, tube, etc) are available to the recording application.	
113944	X-Ray Mechanical Data Available	Parameters related to the X-Ray Mechanical System (Stand, Table) are available to the recording application.	
113945	X-Ray Detector Data Available	Parameters related to the X-Ray Detector are available to the recording application.	
113946	Projection Eponymous Name	Describes the radiographic method of patient, tube and detector positioning to achieve a well described projection or view.	
113947	Detector Type	Type of Detector used to acquire data. E.g., Images.	
113948	Direct Detector	Detector that directly transforms the input signal to pixel values.	

Code Value	Code Meaning	Definition	Notes
113949	Indirect Detector	Detector that transforms an intermediate signal into pixel values. E.g., a scintillator-based detector.	
113950	Storage Detector	Storage detector that stores a signal that is later transformed by a reader into pixel values. E.g., a phosphor-based detector.	
113951	Film	Film that is scanned to create pixel values.	
113952	Table Mount	The cassette/detector is mounted in the patient table.	
113953	Unmounted Detector	The cassette/detector is not mounted.. E.g., a cassette placed underneath the patient.	
113954	Upright Stand Mount	The cassette/detector is mounted in an upright stand.	
113955	C-Arm Mount	The cassette/detector is mounted on a c-arm.	
113956	CR/DR Mechanical Configuration	Method of mounting or positioning a CR/DR cassette or detector.	
113957	Fluoroscopy-Guided Projection Radiography System	An integrated projection radiography system capable of fluoroscopy.	
113958	Integrated Projection Radiography System	A projection radiography system where the X-Ray detector, X-Ray Source and gantry components are integrated and the managing system is able to access details of each component.	
113959	Cassette-based Projection Radiography System	A projection radiography system where the X-Ray detector, X-Ray Source and gantry components are not integrated. E.g., cassette-based CR and DR systems.	
113961	Reconstruction Algorithm	Description of the algorithm used when reconstructing the image from the data acquired during the acquisition process.	
113962	Filtered Back Projection	An algorithm for reconstructing an image from multiple projections by back-projecting the measured values along the line of the projection and filtering the result to reduce blurring.	
113963	Iterative Reconstruction	An algorithm for reconstructing an image from multiple projections by starting with an assumed reconstructed image, computing projections from the image, comparing the original projection data and updating the reconstructed image based upon the difference between the calculated and the actual projections.	
113964	At Surface of Patient	A point at the surface of the patient within the irradiated area where the X-Ray beam enters the patient (i.e. towards the tube).	
113970	Procedure Step To This Point	The period of time from the start of a Procedure Step until the time point established by the context of the reference.	
113980	Water Equivalent Diameter	The diameter of a cylinder of water having the same X-Ray attenuation as the patient for a specified reconstructed slice (e.g., as described in [AAPM Report 220]).	

Code Value	Code Meaning	Definition	Notes
113981	Water Equivalent Diameter Representative Value	The Size Specific Dose Estimation is computed using a single representative value of Water Equivalent Diameter. E.g., computed as per [AAPM Report 220] and used as the index into Table 1D (32cm phantom) or Table 2D (16cm phantom) of [AAPM Report 204] (i.e., as described in the Appendix of [AAPM Report 220]). The single value used may be a mean of the values across the entire scan range, or may be a value at a single location sufficiently representative of the body region.	
113982	Water Equivalent Diameter Integrated Across Scan Range	The Size Specific Dose Estimation is computed using Water Equivalent Diameter values for a sample of slices across the entire scan range. E.g., computed as per [AAPM Report 220] and used as the index into Table 1D (32cm phantom) or Table 2D (16cm phantom) of [AAPM Report 204] (i.e., as described in the Appendix of [AAPM Report 220]).	
113983	Water Equivalent Diameter From Raw Data	The Size Specific Dose Estimation is computed using Water Equivalent Diameter values derived from Raw Data rather than reconstructed slices. E.g., used as the index into Table 1D (32cm phantom) or Table 2D (16cm phantom) of [AAPM Report 204] (i.e., as described in the Appendix of [AAPM Report 220]).	
113984	Water Equivalent Diameter From Localizer	The Size Specific Dose Estimation is computed using Water Equivalent Diameter values derived from a Localizer image. E.g., used as the index into Table 1D (32cm phantom) or Table 2D (16cm phantom) of [AAPM Report 204] (i.e., as described in the Appendix of [AAPM Report 220]).	
113985	Series or Instance used for Water Equivalent Diameter estimation	Unique identifier of the Series or Instance(s) used for Water Equivalent Diameter estimation, whether it be a Series of reconstructed single slice images or one or more Enhanced Multi-frame images or a Raw Data Series or Instance.	
113986	Z value of location of Water Equivalent Diameter estimation	The Z location used for Water Equivalent Diameter estimation at a single location whether it be computed using a reconstructed slice or Localizer or Raw Data. Specified as the Z component within the Patient Coordinate System defined by a specified Frame of Reference.	
113987	AAPM 220	A report describing methods of calculation of diameters of cylinders of water having the same X-Ray attenuation as reconstructed CT slices of patients described in [AAPM Report 220].	
114000	Not a number	Measurement not available: Not a number (per IEEE 754).	
114001	Negative Infinity	Measurement not available: Negative Infinity (per IEEE 754).	
114002	Positive Infinity	Measurement not available: Positive Infinity (per IEEE 754).	

Code Value	Code Meaning	Definition	Notes
114003	Divide by zero	Measurement not available: Divide by zero (per IEEE 754).	
114004	Underflow	Measurement not available: Underflow (per IEEE 754).	
114005	Overflow	Measurement not available: Overflow (per IEEE 754).	
114006	Measurement failure	Measurement not available: Measurement failure.	
114007	Measurement not attempted	Measurement not available: Measurement not attempted.	
114008	Calculation failure	Measurement not available: Calculation failure.	
114009	Value out of range	Measurement not available: Value out of range.	
114010	Value unknown	Measurement not available: Value unknown.	
114011	Value indeterminate	Measurement not available: Value indeterminate.	
114201	Time of flight	Measures the time-of-flight of a light signal between the camera and the subject for each point of the image.	
114202	Interferometry	Interferometry is a family of techniques in which waves are superimposed in order to extract depth information about the scanned object.	
114203	Laser scanning	Laser scanning describes the general method to sample or scan a surface using laser technology.	
114204	Pattern projection	Projecting a narrow band of light onto a three-dimensionally shaped surface produces a line of illumination that appears distorted from other perspectives than that of the projector. It can be used for an exact geometric reconstruction of the surface shape.	
114205	Shape from shading	A technique for estimating the surface normal of an object by observing that object under different lighting conditions.	
114206	Shape from motion	A technique for estimating the surface normal of an object by observing that object under different motions.	
114207	Confocal imaging	An optical imaging technique used to increase optical resolution and contrast of a micrograph by using point illumination and a spatial pinhole to eliminate out-of-focus light in specimens that are thicker than the focal plane. It enables the reconstruction of 3D structures from the obtained images.	
114208	Point Cloud Algorithmic	Point cloud that was calculated by an algorithm.	
114209	Turntable Scan Method	Scanning the object from different views by placing it on a rotating table.	
114210	High resolution	Higher resolution with a longer acquisition time.	
114211	Fast mode	Lower resolution with a shorter acquisition time.	
114213	Iterative Closest Point	An algorithm employed to minimize the difference between two clouds of points. It iteratively revises the transformation (translation, rotation) needed to minimize the distance between the points of two point clouds.	
114215	Freehand	Human controlled minimization of the distance between the points of two point clouds.	
114216	Checkerboard	Scanning the object from different views by placing it in front of a checkerboard pattern.	
120999	Device Description	Description in free form text describing the device.	

Code Value	Code Meaning	Definition	Notes
121000	Unique Device Identifiers	Unique Device Identifiers (UDIs) of the entire equipment.	
121001	Quotation Mode	Type of source for observations quoted from an external source.	
121002	Quoted Source	Reference to external source of quoted observations.	
121003	Document	Documentary source of quoted observations.	
121004	Verbal	Verbal source of quoted observations.	
121005	Observer Type	Type of observer that created the observations.	
121006	Person	Human observer created the observations.	
121007	Device	Automated device created the observations.	
121008	Person Observer Name	Name of human observer that created the observations.	
121009	Person Observer's Organization Name	Organization or institution with which the human observer is affiliated for the context of the current observation.	
121010	Person Observer's Role in the Organization	Organizational role of human observer for the context of the current observation.	
121011	Person Observer's Role in this Procedure	Procedural role of human observer for the context of the current observation.	
121012	Device Observer UID	Unique identifier of automated device that created the observations.	
121013	Device Observer Name	Institution-provided identifier of automated device that created the observations.	
121014	Device Observer Manufacturer	Manufacturer of automated device that created the observations.	
121015	Device Observer Model Name	Manufacturer-provided model name of automated device that created the observations.	
121016	Device Observer Serial Number	Manufacturer-provided serial number of automated device that created the observations.	
121017	Device Observer Physical Location During Observation	Location of automated device that created the observations whilst the observations were being made.	
121018	Procedure Study Instance UID	Unique identifier for the Study or Requested Procedure.	
121019	Procedure Study Component UID	Unique identifier for the Performed Procedure Step.	
121020	Placer Number	Identifier for the Order (or Service Request) assigned by the order placer system.	
121021	Filler Number	Identifier for the Order (or Service Request) assigned by the order filler system.	
121022	Accession Number	Identifier for the Order (or Service Request) assigned by the department information system.	
121023	Procedure Code	Type of procedure scheduled or performed.	
121024	Subject Class	Type of observation subject.	
121025	Patient	A patient is the subject of observations.	
121026	Fetus	Fetus of patient is the subject of observations.	
121027	Specimen	Specimen is the subject of observations.	
121028	Subject UID	Unique Identifier of patient or fetus who is the subject of observations.	
121029	Subject Name	Name of patient who is the subject of observations.	
121030	Subject ID	Identifier of patient or fetus who is the subject of observations.	

Code Value	Code Meaning	Definition	Notes
121031	Subject Birth Date	Birth Date of patient who is the subject of observations.	
121032	Subject Sex	Sex of patient who is the subject of observations.	
121033	Subject Age	Age of patient who is the subject of observations.	
121034	Subject Species	Species of patient who is the subject of observations.	
121035	Subject Breed	The breed of the subject.	
121036	Mother of fetus	Name of mother of fetus that is the subject of observations.	
121037	*Fetus number*		*Retired. Replaced by (11951-1, LN, "Fetus ID").*
121038	*Number of Fetuses*		*Retired. Replaced by (55281-0, LN, "Number of Fetuses").*
121039	Specimen UID	Unique Identifier of specimen that is the subject of observations.	
121040	*Specimen Accession Number*	*Accession Number of specimen that is the subject of observations*	*Retired.*
121041	Specimen Identifier	Identifier of specimen that is the subject of observations.	
121042	*Specimen Type*	*Coded category of specimen that is the subject of observations*	*Retired. Replaced by (371439000, SCT, "Specimen Type")*
121043	*Slide Identifier*	*Identifier of specimen microscope slide that is the subject of observations*	*Retired. Replaced by (111700, DCM, "Specimen Container Identifier")*
121044	*Slide UID*	*Unique Identifier of specimen microscope slide that is the subject of observations*	*Retired.*
121045	Language	The language of the content, being a language that is primarily used for human communication. E.g., English, French.	
121046	Country of Language	The country-specific variant of language. E.g., Canada for Candadian French.	
121047	Language of Value	The language of the value component of a name-value pair.	
121048	Language of Name and Value	The language of both the name component and the value component of a name-value pair.	
121049	Language of Content Item and Descendants	The language of the current Content Item (node in a tree of content) and all its descendants.	
121050	Equivalent Meaning of Concept Name	A precoordinated coded concept or text meaning for the name component of a name-value pair that is equivalent to the post-coordinated meaning conveyed by the coded name and its concept modifier children.	
121051	Equivalent Meaning of Value	A precoordinated coded concept or text meaning for the value component of a name-value pair that is equivalent to the post-coordinated meaning conveyed by the coded value and its concept modifier children.	
121052	Presence of property	Whether or not the property concept being modified is present or absent.	
121053	*Present*		*Retired. Replaced by (52101004, SCT, "Present")*

Code Value	Code Meaning	Definition	Notes
121054	*Absent*		*Retired. Replaced by (272519000, SCT, "Absent")*
121055	Path	A set of points on an image, that when connected by line segments, provide a polyline from which a linear measurement was inferred.	
121056	Area outline	A set of points on an image, that when connected by line segments, provide a closed polyline that is the border of a defined region from which an area, or two-dimensional measurement, was inferred.	
121057	Perimeter outline	A set of points on an image, that when connected by line segments, provide a closed polyline that is a two-dimensional border of a three-dimensional region's intersection with, or projection into the image.	
121058	Procedure reported	The imaging procedure whose results are reported.	
121059	*Presence Undetermined*	*Presence or absence of a property is undetermined*	*Retired. Replaced by (373068000, SCT, "Undetermined")*
121060	*History*		*Retired. Replaced by (11329-0, LN, "History")*
121062	*Request*		*Retired. Replaced by (55115-0, LN, "Request")*
121064	*Current Procedure Descriptions*		*Retired. Replaced by (55111-9, LN, "Current Procedure Descriptions")*
121065	Procedure Description	A description of the imaging procedure.	
121066	*Prior Procedure Descriptions*		*Retired. Replaced by (55114-3, LN, "Prior Procedure Descriptions")*
121068	*Previous Findings*		*Retired. Replaced by (18834-2, LN, "Previous Findings")*
121069	Previous Finding	An observation found on a prior imaging study.	
121070	*Findings*		*Retired. Replaced by (59776-5, LN, "Findings")*
121071	Finding	An observation found on an imaging study.	
121072	*Impressions*		*Retired. Replaced by (19005-8, LN, "Impressions")*
121073	Impression	An interpretation in the clinical context of the finding(s) on an imaging study.	
121074	*Recommendations*		*Retired. Replaced by (18783-1, LN, "Recommendations")*
121075	Recommendation	A recommendation for management or investigation based on the findings and impressions of an imaging study.	
121076	*Conclusions*		*Retired. Replaced by (55110-1, LN, "Conclusions")*
121077	Conclusion	An interpretation in the clinical context of the finding(s) on an imaging study.	

Code Value	Code Meaning	Definition	Notes
121078	*Addendum*		*Retired. Replaced by (55107-7, LN, "Addendum")*
121079	Baseline	Initial images used to establish a beginning condition that is used for comparison over time to look for changes. [Paraphrases NCI-PT (C1442488, UMLS, "Baseline"), which is defined as "An initial measurement that is taken at an early time point to represent a beginning condition, and is used for comparison over time to look for changes. For example, the size of a tumor will be measured before treatment (baseline) and then afterwards to see if the treatment had an effect. A starting point to which things may be compared."]	
121080	Best illustration of finding	A selection of composite instances that best illustrates a particular finding. E.g., an image slice at the location of the largest extent of a tumor.	
121081	*Physician*		*Retired. Replaced by (309343006, SCT, "Physician")*
121082	*Nurse*		*Retired. Replaced by (106292003, SCT, "Nurse")*
121083	*Technologist*		*Retired. Replaced by (159016003, SCT, "Radiologic Technologist")*
121084	*Radiographer*		*Retired. Replaced by (159016003, SCT, "Radiographer")*
121085	*Intern*		*Retired. Replaced by (C1144859, UMLS, "Intern")*
121086	*Resident*		*Retired. Replaced by (405277009, SCT, "Resident")*
121087	*Registrar*		*Retired. Replaced by (158971006, SCT, "Registrar")*
121088	Fellow	A medical practitioner undergoing sub-specialty training. E.g., during the period after specialty training (residency).	
121089	*Attending [Consultant]*		*Retired. Replaced by (405279007, SCT, "Attending")*
121090	*Scrub nurse*		*Retired. Replaced by (415506007, SCT, "Scrub nurse")*
121091	*Surgeon*		*Retired. Replaced by (304292004, SCT, "Surgeon")*
121092	Sonologist	A medical practitioner with sub-specialty training in Ultrasound.	
121093	*Sonographer*		*Retired. Replaced by (C1954848, UMLS, "Sonographer")*
121094	Performing	The person responsible for performing the procedure.	

Code Value	Code Meaning	Definition	Notes
121095	*Referring*	*The person responsible for referring the patient for the procedure.*	*Retired. Replaced by (C1709880, UMLS, "Referring physician").*
121096	Requesting	The person responsible for requesting the procedure.	
121097	Recording	The person responsible for recording the procedure or observation.	
121098	Verifying	The person responsible for verifying the recorded procedure or observation.	
121099	Assisting	The person responsible for assisting with the procedure.	
121100	*Circulating*	*The person responsible for making preparations for and monitoring the procedure.*	*Retired. Replaced by (413854007, SCT, "Circulating Nurse").*
121101	Standby	The person responsible for standing by to assist with the precedure if required.	
121102	Other sex	Other sex.	
121103	Undetermined sex	Sex of subject undetermined at time of encoding.	
121104	Ambiguous sex	Ambiguous sex.	
121105	*Radiation Physicist*	*Radiation Physicist.*	*Retired. Replaced by (C2985483, UMLS, "Radiation Physicist").*
121106	Comment	Comment.	
121109	*Indications for Procedure*	*Indications for Procedure*	*Retired. Replaced by (18785-6, LN, "Indications for Procedure")*
121110	*Patient Presentation*	*Patient condition at the beginning of a healthcare encounter*	*Retired. Replaced by (55108-5, LN, "Patient Presentation")*
121111	*Summary*	*Summary of a procedure, including most significant findings*	*Retired. Replaced by (55112-7, LN, "Summary")*
121112	Source of Measurement	Image or waveform used as source for measurement.	
121113	*Complications*	*Complications from a procedure*	*Retired. Replaced by (55109-3, LN, "Complications")*
121114	Performing Physician	Physician who performed a procedure.	
121115	Discharge Summary	Summary of patient condition upon Discharge from a healthcare facility.	
121116	Proximal Finding Site	Proximal Anatomic Location for a differential measurement; may be considered subtype of term (363698007, SCT, "Finding Site"). E.g., distance or pressure gradient.	
121117	Distal Finding Site	Distal Anatomic Location for a differential measurement; may be considered subtype of term (363698007, SCT, "Finding Site"). E.g., distance or pressure gradient.	
121118	Patient Characteristics	Patient Characteristics (findings).	
121120	Cath Lab Procedure Log	Time-stamped record of events that occur during a catheterization procedure.	
121121	Room identification	Room identification.	
121122	Equipment Identification	Equipment identification.	

Code Value	Code Meaning	Definition	Notes
121123	Patient Status or Event	A recorded Patient Status or an event involving a patient.	
121124	Procedure Action Item ID	Identification of a step, action, or phase of a procedure.	
121125	DateTime of Recording of Log Entry	DateTime of Recording of an Entry in an Event Log.	
121126	Performed Procedure Step SOP Instance UID	SOP Instance UID of a Performed Procedure Step.	
121127	Performed Procedure Step SOP Class UID	SOP Class UID of a Performed Procedure Step.	
121128	Procedure Action Duration	Duration of a step, action, or phase of a procedure.	
121130	Start Procedure Action Item	Beginning of a step, action, or phase of a procedure.	
121131	End Procedure Action Item	End of a step, action, or phase of a procedure.	
121132	Suspend Procedure Action Item	Suspension of a step, action, or phase of a procedure.	
121133	Resume Procedure Action Item	Resumption of a step, action, or phase of a procedure.	
121135	Observation DateTime Qualifier	Concept modifier for the DateTime of Recording of an Entry in an Event Log.	
121136	DateTime Unsynchronized	Recorded DateTime had its source in a system clock not synchronized to other recorded DateTimes.	
121137	DateTime Estimated	Recorded DateTime is estimated.	
121138	Image Acquired	Event of the acquisition of an image.	
121139	Modality	Type of data acquisition device.	
121140	Number of Frames	Number of Frames in a multi-frame image.	
121141	Image Type	Descriptor of an Image.	
121142	Acquisition Duration	Duration of the acquisition of an image or a waveform.	
121143	Waveform Acquired	Event of the acquisition of an image.	
121144	Document Title	Document Title.	
121145	Description of Material	Description of Material used in a procedure.	
121146	Quantity of Material	Quantity of Material used in a procedure.	
121147	Billing Code	Billing Code for materials used in a procedure.	
121148	Unit Serial Identifier	Unit or Device Serial Identifier.	
121149	Lot Identifier	Lot Identifier.	
121150	Device Code	Vendor or local coded value identifying a device.	
121151	Lesion Identifier	Identification of a Lesion observed during an imaging procedure.	
121152	Person administering drug/contrast	Person administering drug/contrast.	
121153	Lesion Risk	Assessment of the risk a coronary lesion presents to the health of a patient.	
121154	Intervention attempt identifier	Identifier for an attempted Intervention.	
121155	Deployment	Use of a device to deploy another device.	
121156	Percutaneous Entry Action	Action of a clinical professional at the site of percutaneous access to a patient's cardiovascular system.	
121157	Begin Circulatory Support	The action or event of beginning circulatory support for a patient.	
121158	End Circulatory Support	The action or event of ending circulatory support for a patient.	

Code Value	Code Meaning	Definition	Notes
121160	Oxygen Administration Rate	Rate of Oxygen Administration.	
121161	Begin Oxygen Administration	The action or event of beginning administration of oxygen to a patient.	
121162	End oxygen administration	The action or event of ending administration of oxygen to a patient.	
121163	By ventilator	Method of administration of oxygen to a patient by ventilator.	
121165	Patient Assessment Performed	The action or event of assessing the clinical status of a patient.	
121166	Begin Pacing	The action or event of beginning pacing support for a patient.	
121167	End Pacing	The action or event of ending pacing support for a patient.	
121168	Begin Ventilation	The action or event of beginning ventilation support for a patient.	
121169	End Ventilation	The action or event of ending ventilation support for a patient.	
121171	Tech Note	Procedural note originated by a technologist.	
121172	Nursing Note	Procedural note originated by a nurse.	
121173	Physician Note	Procedural note originated by a Physician.	
121174	Procedure Note	General procedural note.	
121180	*Key Images*	*List of references to images considered significant*	*Retired. Replaced by (55113-5, LN, "Key Images")*
121181	DICOM Object Catalog	List of references to DICOM SOP Instances.	
121190	Referenced Frames	Individual frames selected as a subset of a multi-frame image.	
121191	Referenced Segment	Segment selected as a subset of a segmentation image, specifically the pixels/voxels identified as belonging to the classification of the identified segment.	
121192	Device Subject	A device is the subject of observations.	
121193	Device Subject Name	Name or other identifier of a device that is the subject of observations.	
121194	Device Subject Manufacturer	Manufacturer of a device that is the subject of observations.	
121195	Device Subject Model Name	Model Name of a device that is the subject of observations.	
121196	Device Subject Serial Number	Serial Number of a device that is the subject of observations.	
121197	Device Subject Physical Location during observation	Physical Location of a device that is the subject of observations during those observations.	
121198	Device Subject UID	Unique Identifier of a device that is the subject of observations.	
121200	Illustration of ROI	Illustration of a region of interest.	
121201	*Area Outline*		*Retired. Replaced by (121056, DCM, "Area Outline").*

Code Value	Code Meaning	Definition	Notes
121202	*Area of Defined Region*		*Retired. Replaced by (131184002, SCT, "Area of defined region").*
121206	Distance	A one dimensional, or linear, numeric measurement.	
121207	Height	Vertical measurement value.	
121208	Inter-Marker Distance	Distance between marks on a device of calibrated size. E.g., a ruler.	
121210	*Path*		*Retired. Replaced by (121055, DCM, "Path").*
121211	Path length	A one dimensional, or linear, numeric measurement along a polyline.	
121213	*Perimeter Outline*		*Retired. Replaced by (121057, DCM, "Perimeter Outline").*
121214	Referenced Segmentation Frame	Frame selected from a segmentation image, specifically the pixels/voxels identified as belonging to the classification of the segment encompassing the identified frame.	
121216	Volume estimated from single 2D region	A three-dimensional numeric measurement that is approximate, based on a two-dimensional region in a single image.	
121217	Volume estimated from three or more non-coplanar 2D regions	A three-dimensional numeric measurement that is approximate, based on three or more non-coplanar two-dimensional image regions.	
121218	Volume estimated from two non-coplanar 2D regions	A three-dimensional numeric measurement that is approximate, based on two non-coplanar two-dimensional image regions.	
121219	Volume of bounding three dimensional region	A three-dimensional numeric measurement of the bounding region of a three-dimensional region of interest in an image set.	
121220	Volume of circumscribed sphere	A three-dimensional numeric measurement of the bounding sphere of a three-dimensional region of interest in an image set.	
121221	Volume of ellipsoid	A three-dimensional numeric measurement of an ellipsoid shaped three-dimensional region of interest in an image set.	
121222	Volume of sphere	A three-dimensional numeric measurement of a sphere shaped three-dimensional region of interest in an image set.	
121230	Path Vertex	Coordinates of a point on a defined path.	
121231	Volume Surface	Surface of an identified or measured volume.	
121232	Source series for segmentation	Series of image instances used as source data for a segmentation.	
121233	Source image for segmentation	Image instances used as source data for a segmentation.	
121242	Distance from nipple	Indicates the location of the area of interest as measured from the nipple of the breast.	
121243	Distance from skin	Indicates the location of the area of interest as measured from the most direct skin point of the breast.	

Code Value	Code Meaning	Definition	Notes
121244	Distance from chest wall	Indicates the location of the area of interest as measured from the chest wall.	
121290	Patient exposure to ionizing radiation	Patient exposure to ionizing radiation (procedure).	
121291	Results communicated	The act of communicating actionable findings to a responsible receiver.	
121301	Simultaneous Doppler	Reference is to a Doppler waveform acquired simultaneously with an image.	
121302	Simultaneous Hemodynamic	Reference is to a Hemodynamic waveform acquired simultaneously with an image.	
121303	Simultaneous ECG	Reference is to a ECG waveform acquired simultaneously with an image.	
121304	Simultaneous Voice Narrative	Reference is to a voice narrative recording acquired simultaneously with an image.	
121305	Simultaneous Respiratory Waveform	A waveform representing chest expansion and contraction due to respiratory activity, measured simultaneously with the acquisition of this Image.	
121306	Simultaneous Arterial Pulse Waveform	Arterial pulse waveform obtained simultaneously with acquisition of a referencing image.	
121307	Simultaneous Phonocardiographic Waveform	Phonocardiographic waveform obtained simultaneously with acquisition of a referencing image.	
121310	RT treatment plan for the position being verified	The referenced instance is an RT treatment plan of some type, which contains treatment positioning information, which has been verified using the information in the referencing instance.	The referenced Instance typically will be an RT Plan, RT Ion Plan or RT Radiation Set.
121311	Localizer	Image providing an anatomical reference on the patient under examination, for the purpose of defining the location of the ensuing imaging.	
121312	Biopsy localizer	Image providing an anatomical reference on the patient under examination, for the purpose of planning or documenting a biopsy.	
121313	Other partial views	Image providing a partial view of the target anatomy, when the target anatomy is too large for a single image.	
121314	Other image of biplane pair	Image providing a view of the target anatomy in a different imaging plane, typically from a near perpendicular angle.	
121315	Other image of stereoscopic pair	Image providing a view of the target anatomy in a different imaging plane, typically with a small angular difference.	
121316	Images related to standalone object	Image related to a non-image information object.	
121317	Spectroscopy	Image where signals are identified and separated according to their frequencies. E.g., to identify individual chemicals, or individual nuclei in a chemical compound.	
121318	Spectroscopy Data for Water Phase Correction	MR spectroscopy data acquired to correct the phase of the diagnostic data for the phase signal of the Water.	
121320	Uncompressed predecessor	An image that has not already been lossy compressed that is used as the source for creation of a lossy compressed image.	

Code Value	Code Meaning	Definition	Notes
121321	Mask image for image processing operation	Image used as the mask for an image processing operation, such as subtraction.	
121322	Source image for image processing operation	Image used as the source for an image processing operation.	
121323	Source series for image processing operation	Series used as the source for an image processing operation.	
121324	Source Image	Image used as the source for a derived or compressed image.	
121325	Lossy compressed image	Image encoded with a lossy compression transfer syntax.	
121326	Alternate SOP Class instance	SOP Instance encoded with a different SOP Class but otherwise equivalent data.	
121327	Full fidelity image	Full fidelity image, uncompressed or lossless compressed.	
121328	Alternate Photometric Interpretation image	Image encoded with a different photometric interpretation.	
121329	Source image for montage	Image used as a source for a montage (stitched) image.	
121330	Lossy compressed predecessor	An image that has previously been lossy compressed that is used as the source for creation of another lossy compressed image.	
121331	Equivalent CDA Document	HL7 Document Architecture (CDA) Document that contains clinical content equivalent to the referencing Instance.	
121332	Complete Rendering for Presentation	Instance that contains a displayable complete rendering of the referencing Instance.	
121333	Partial Rendering for Presentation	Instance that contains a displayable partial rendering of the referencing Instance.	
121334	Extended Rendering for Presentation	Instance that contains a displayable complete rendering of the referencing Instance, plus additional content such as inline rendering of referenced images.	
121335	Source Document	Document whose content has been wholly or partially transformed to create the referencing document.	
121338	Anatomic image	Image showing structural anatomic features.	
121339	Functional image	Image showing physical or chemical activity.	
121340	Spectral filtered image	Image providing the same view of the target anatomy acquired using only a specific imaging wavelength, frequency or energy.	
121341	Device localizer	Image providing an anatomical reference on the patient under examination, for the purpose of documenting the location of device such as a diagnostic or therapeutic catheter.	
121342	Dose Image	Image providing a graphic view of the distribution of radiation dose.	
121346	Acquisition frames corresponding to volume	The referenced image is the source of spatially-related frames from which the referencing 3D volume data was derived.	
121347	Volume corresponding to spatially-related acquisition frames	3D Volume containing the spatially-related frames in the referencing instance.	
121348	Temporal Predecessor	Instance acquired prior to the referencing instance in a set of consecutively acquired instances.	

Code Value	Code Meaning	Definition	Notes
121349	Temporal Successor	Instance acquired subsequent to the referencing instance in a set of consecutively acquired instances.	
121350	Same acquisition at lower resolution	Image of the same target area at lower resolution acquired in the same acquisition process.	
121351	Same acquisition at higher resolution	Image of the same target area at higher resolution acquired in the same acquisition process.	
121352	Same acquisition at different focal depth	Image of the same target area at different focal depth (Z-plane) acquired in the same acquisition process.	
121353	Same acquisition at different spectral band	Image of the same target area at different spectral band acquired in the same acquisition process.	
121354	Imaged container label	Image specifically targeting the container label.	
121358	For Processing predecessor	Source image from which FOR PRESENTATION images were created.	
121360	Replaced report	The reference is to a predecessor report that has been replaced by the current report.	
121361	Addended report	The reference is to a predecessor report to which the current report provides an addendum.	
121362	Preliminary report	A report that precedes the final report and may contain only limited information; it may be time sensitive, and it is not expected to contain all the reportable findings.	
121363	Partial report	A report that is not complete.	
121370	Composed from prior doses	The dose object created was calculated by summation of existing, previously calculated, RT Dose instances.	
121371	Composed from prior doses and current plan	The dose object created was calculated by summation of existing, previously calculated, RT Dose instances and dose newly calculated by the application. The newly calculated dose may or may not exist as an independent object.	
121372	Source dose for composing current dose	RT Dose Instances used as source for calculated dose.	
121373	RT Pre-Treatment Dose Check	An assessment of the dose delivery parameters performed before treatment.	
121374	RT Pre-Treatment Consistency Check	An assessment of consistency with a previously quality-assured treatment plan performed before treatment.	
121375	Assessment By Comparison	The basis of the assessment was a comparison object.	
121376	Assessment By Rules	The basis of the assessment was a set of rules on expected values, ranges and relationships.	
121380	Active Ingredient Undiluted Concentration	Concentration of the chemically or physically interesting (active) ingredient of a drug or contrast agent as delivered in product form from the manufacturer, typically in mg/ml.	
121381	Contrast/Bolus Ingredient Opaque	X-Ray absorption of the active ingredient of a contrast agent ingredient is greater than the absorption of water (tissue).	
121382	Quantity administered	Number of units of substance administered to a patient. E.g., tablets.	
121383	Mass administered	Mass of substance administered to a patient.	
121401	Derivation	Method of deriving or calculating a measured value. E.g., mean, or maximum of set.	

Code Value	Code Meaning	Definition	Notes
121402	Normality	Assessment of a measurement relative to a normal range of values; may be considered subtype of term (363713009, SCT, "has interpretation").	
121403	Level of Significance	Significance of a measurement.	
121404	Selection Status	Status of selection of a measurement for further processing or use.	
121405	Population description	Description of a population of measurements.	
121406	Reference Authority	Bibliographic or clinical reference for a Description of a population of measurements.	
121407	Normal Range description	Description of a normal range of values for a measurement concept.	
121408	Normal Range Authority	Bibliographic or clinical reference for a Description of a normal range of values.	
121410	User chosen value	Observation value selected by user for further processing or use, or as most representative.	
121411	Most recent value chosen	Observation value is the recently obtained, and has been selected for further processing or use.	
121412	Mean value chosen	Observation value is the mean of several measurements, and has been selected for further processing or use.	
121414	Standard deviation of population	Standard deviation of a measurement in a reference population.	
121415	Percentile Ranking of measurement	Percentile Ranking of an observation value with respect a reference population.	
121416	Z-Score of measurement	Z-score of an observation value with respect a reference population, expressed as the dimensionless quantity (x-m) /s, where (x-m) is the deviation of the observation value (x) from the population mean (m), and s is the standard deviation of the population.	
121417	2 Sigma deviation of population	2 Sigma deviation of a measurement in a reference population.	
121420	Equation	Formula used to compute a derived measurement.	
121421	Equation Citation	Bibliographic reference to a formula used to compute a derived measurement; reference may be to a specific equation in a journal article.	
121422	Table of Values Citation	Bibliographic reference to a Table of Values used to look up a derived measurement.	
121423	Method Citation	Bibliographic reference to a method used to compute a derived measurement.	
121424	Table of Values	A Table of Values used to look up a derived measurement.	
121425	Index	Factor (divisor or multiplicand) for normalizing a measurement. E.g., body surface area used for normalizing hemodynamic measurements.	
121427	*Estimated*	*Measurement obtained by observer estimation, rather than with a measurement tool or by calculation*	*Retired. Replaced by (414135002, SCT, "Estimated")*
121428	*Calculated*	*Measurement obtained by calculation*	*Retired. Replaced by (258090004, SCT, "Calculated")*

Code Value	Code Meaning	Definition	Notes
121430	Concern	Identified issue about a state or process that has the potential to require intervention or management.	
121431	DateTime Concern Noted	DateTime concern noted (noted by whom is determined by context of use).	
121432	DateTime Concern Resolved	DateTime the concern was resolved.	
121433	DateTime Problem Resolved	DateTime the problem was resolved.	
121434	Service Delivery Location	Place at which healthcare services may be provided.	
121435	Service Performer	Identification of a healthcare provider who performed a healthcare service; may be either a person or an organization.	
121436	Medical Device Used	Type or identifier of a medical device used on, in, or by a patient.	
121437	*Pharmacologic and exercise stress test*	*Cardiac stress test using pharmacologic and exercise stressors*	*Retired. Replaced by (428813002, SCT, "Pharmacologic and exercise stress test")*
121438	*Paced stress test*	*Cardiac stress test using an implanted or external cardiac pacing device*	*Retired. Replaced by (428685003, SCT, "Stress test using cardiac pacing")*
121439	*Correction of congenital cardiovascular deformity*	*Procedure for correction of congenital cardiovascular deformity*	*Retired.* *Replaced by (428613004, SCT, "Correction of congenital cardiovascular deformity")*
121701	RT Patient Setup	Process of placing patient in the anticipated treatment position, including specification and location of positioning aids, and other treatment delivery accessories.	
121702	RT Patient Position Acquisition, single plane MV	Acquisition of patient positioning information prior to treatment delivery, using single-plane megavoltage imaging.	
121703	RT Patient Position Acquisition, dual plane MV	Acquisition of patient positioning information prior to treatment delivery, using dual-plane megavoltage imaging.	
121704	RT Patient Position Acquisition, single plane kV	Acquisition of patient positioning information prior to treatment delivery, using single-plane kilovoltage imaging.	
121705	RT Patient Position Acquisition, dual plane kV	Acquisition of patient positioning information prior to treatment delivery, using dual-plane kilovoltage imaging.	
121706	RT Patient Position Acquisition, dual plane kV/MV	Acquisition of patient positioning information prior to treatment delivery, using dual-plane combination kilovoltage and megavoltage imaging.	
121707	RT Patient Position Acquisition, CT kV	Acquisition of patient positioning information prior to treatment delivery, using kilovoltage CT imaging.	
121708	RT Patient Position Acquisition, CT MV	Acquisition of patient positioning information prior to treatment delivery, using megavoltage CT imaging.	
121709	RT Patient Position Acquisition, Optical	Acquisition of patient positioning information prior to treatment delivery, using optical imaging.	
121710	RT Patient Position Acquisition, Ultrasound	Acquisition of patient positioning information prior to treatment delivery, using ultrasound imaging.	

Code Value	Code Meaning	Definition	Notes
121711	RT Patient Position Acquisition, Spatial Fiducials	Acquisition of patient positioning information prior to treatment delivery, using spatial fiducials.	
121712	RT Patient Position Registration, single plane	Registration of intended and actual patient position prior to treatment delivery, using single-plane images.	
121713	RT Patient Position Registration, dual plane	Registration of intended and actual patient position prior to treatment delivery, using dual-plane images.	
121714	RT Patient Position Registration, 3D CT general	Registration of intended and actual patient position prior to treatment delivery, using 3D CT images and an unspecified registration approach.	
121715	RT Patient Position Registration, 3D CT marker-based	Registration of intended and actual patient position prior to treatment delivery, using 3D CT images and a marker-based registration approach.	
121716	RT Patient Position Registration, 3D CT volume-based	Registration of intended and actual patient position prior to treatment delivery, using 3D CT images and a volume-based registration approach.	
121717	RT Patient Position Registration, 3D on 2D reference	Registration of intended and actual patient position prior to treatment delivery, using 3D verification images and 2D reference images.	
121718	RT Patient Position Registration, 2D on 3D reference	Registration of intended and actual patient position prior to treatment delivery, using 2D verification images and 3D reference images.	
121719	RT Patient Position Registration, Optical	Registration of intended and actual patient position prior to treatment delivery, using optical images.	
121720	RT Patient Position Registration, Ultrasound	Registration of intended and actual patient position prior to treatment delivery, using ultrasound images.	
121721	RT Patient Position Registration, Spatial Fiducials	Registration of intended and actual patient position prior to treatment delivery, using spatial fiducials.	
121722	RT Patient Position Adjustment	Adjustment of patient position such that the patient is correctly positioned for treatment.	
121723	RT Patient Position In-treatment-session Review	Review of patient positioning information in the process of delivering a treatment session.	
121724	RT Treatment Simulation with Internal Verification	Simulated radiotherapy treatment delivery using verification integral to the Treatment Delivery System.	
121725	RT Treatment Simulation with External Verification	Simulated radiotherapy treatment delivery using verification by a external Machine Parameter Verifier.	
121726	RT Treatment with Internal Verification	Radiotherapy treatment delivery using verification integral to the Treatment Delivery System.	
121727	RT Treatment with External Verification	Radiotherapy treatment delivery using verification by a external Machine Parameter Verifier.	
121728	RT Treatment QA with Internal Verification	Quality assurance of a radiotherapy treatment delivery using verification integral to the Treatment Delivery System.	
121729	RT Treatment QA with External Verification	Quality assurance of a radiotherapy treatment delivery using verification by a external Machine Parameter Verifier.	
121730	RT Machine QA	Quality assurance of a Treatment Delivery Device.	
121731	RT Treatment QA by RT Plan Dose Check	Perform Quality Assurance on an RT Plan by evaluating dosimetric content of the current RT Plan.	

Code Value	Code Meaning	Definition	Notes
121732	RT Treatment QA by RT Plan Difference Check	Perform Quality Assurance on an RT Plan by comparing the content of previously quality-assessed RT Plans with the current RT Plan.	
121733	RT Treatment QA by RT Ion Plan Dose Check	Perform Quality Assurance on an RT Ion Plan by evaluating dosimetric content of the current RT Ion Plan.	
121734	RT Treatment QA with RT Ion Plan Difference Check	Perform Quality Assurance on an RT Ion Plan by comparing the content of previously quality-assessed RT Ion Plans by the current RT Ion Plan.	
121735	RT Brachy Treatment	Brachytherapy Treatment Delivery.	
121740	Treatment Delivery Type	Indicates whether the treatment to be delivered is a complete fraction or a continuation of previous incompletely treated fraction.	
122001	Patient called to procedure room	Patient called to procedure room.	
122002	Patient admitted to procedure room	Patient admitted to procedure room.	
122003	Patient given pre-procedure instruction	Patient given pre-procedure instruction.	
122004	Patient informed consent given	Patient informed consent given.	
122005	Patient advance directive given	Patient advance directive given.	
122006	Nil Per Os (NPO) status confirmed	Nil Per Os (NPO) status confirmed.	
122007	Patient assisted to table	Patient assisted to table.	
122008	Patient prepped and draped	Patient prepped and draped.	
122009	Patient connected to continuous monitoring	Patient connected to continuous monitoring.	
122010	Patient transferred to holding area	Patient transferred to holding area.	
122011	Patient transferred to surgery	Patient transferred to surgery.	
122012	Patient transferred to CCU	Patient transferred to CCU.	
122020	Patient disoriented	Patient disoriented.	
122021	Patient reports nausea	Patient reports nausea.	
122022	Patient reports discomfort	Patient reports discomfort.	
122023	Patient reports chest pain	Patient reports chest pain.	
122024	Patient reports no pain	Patient reports no pain.	
122025	Patient alert	Patient alert.	
122026	Patient restless	Patient restless.	
122027	Patient sedated	Patient sedated.	
122028	Patient asleep	Patient asleep.	
122029	Patient unresponsive	Patient unresponsive.	
122030	Patient has respiratory difficulty	Patient has respiratory difficulty.	
122031	Patient coughed	Patient coughed.	
122032	Patient disconnected from continuous monitoring	Patient disconnected from continuous monitoring.	
122033	Hemostasis achieved	Hemostasis achieved.	
122034	Hemostasis not achieved - oozing	Hemostasis not achieved - oozing.	
122035	Hemostasis not achieved - actively bleeding	Hemostasis not achieved - actively bleeding.	

Code Value	Code Meaning	Definition	Notes
122036	Patient given post-procedure instruction	Patient given post-procedure instruction.	
122037	Patient discharged from department	Patient discharged from department or laboratory.	
122038	Patient pronounced dead	Patient pronounced dead.	
122039	Patient transferred to morgue	Patient transferred to morgue.	
122041	Personnel Arrived	Identified personnel or staff arrived in procedure room.	
122042	Personnel Departed	Identified personnel or staff departed procedure room.	
122043	Page Sent To	Page sent to identified personnel or staff.	
122044	Consultation With	Consultation with identified personnel or staff.	
122045	Office called	Office of identified personnel or staff was called.	
122046	*Equipment failure*	*Equipment failure*	*Retired. Replaced by (110501, DCM, "Equipment failure")*
122047	Equipment brought to procedure room	Equipment brought to procedure room.	
122048	Equipment ready	Equipment ready for procedure.	
122049	Equipment removed	Equipment removed from procedure room.	
122052	Bioptome	Device for obtaining biopsy sample.	
122053	Valvular Intervention	Valvular Intervention.	
122054	Aortic Intervention	Aortic Intervention.	
122055	Septal Defect Intervention	Septal Defect Intervention.	
122056	Vascular Intervention	Vascular Intervention.	
122057	Myocardial biopsy	Myocardial biopsy.	
122058	Arterial conduit angiography	Arterial conduit angiography.	
122059	Single plane Angiography	Single plane Angiography.	
122060	Bi-plane Angiography	Bi-plane Angiography.	
122061	Percutaneous Coronary Intervention	Percutaneous Coronary Intervention.	
122062	*15-Lead ECG*	*15-Lead electrocardiography*	*Retired. Replaced by (429163003, SCT, "15-Lead ECG")*
122072	Pre-procedure log	Log of events occurring prior to the current procedure.	
122073	Current procedure evidence	Analysis or measurements for current procedure (purpose of reference to evidence document).	
122075	Prior report for current patient	Prior report for current patient.	
122076	Consumable taken from inventory	Identifier of Consumable taken from inventory.	
122077	Consumable returned to inventory	Identifier of Consumable returned to inventory.	
122078	Remaining consumable disposed	Identifier of consumable whose remaining content has been disposed.	
122079	Consumable unusable	Identifier of Consumable determined to be unusable.	
122081	Drug start	Identifier of Drug whose administration has started.	
122082	Drug end	Identifier of Drug whose administration has ended.	
122083	Drug administered	Identifier of Drug administered as part of procedure.	

Code Value	Code Meaning	Definition	Notes
122084	Contrast start	Identifier of Contrast agent whose administration has started.	
122085	Contrast end	Identifier of Contrast agent whose administration has ended.	
122086	Contrast administered	Identifier of Contrast agent administered.	
122087	Infusate start	Identifier of Infusate whose administration has started.	
122088	Infusate end	Identifier of Infusate whose administration has ended.	
122089	Device crossed lesion	Action of a device traversing a vascular lesion.	
122090	Intervention Action	Action of a clinical professional performed on a patient for therapeutic purpose.	
122091	Volume administered	Volume of Drug, Contrast agent, or Infusate administered.	
122092	Undiluted dose administered	Undiluted dose of Drug, Contrast agent, or Infusate administered.	
122093	Concentration	Concentration of Drug, Contrast agent, or Infusate administered.	
122094	Rate of administration	Rate of Drug, Contrast agent, or Infusate administration.	
122095	Duration of administration	Duration of Drug, Contrast agent, or Infusate administration.	
122096	Volume unadministered or discarded	Volume of Drug, Contrast agent, or Infusate unadministered or discarded.	
122097	Catheter Curve	Numeric parameter of Curvature of Catheter.	
122098	Transmit Frequency	Transmit Frequency.	
122099	ST change from baseline	Measured change of patient electrocardiographic ST level relative to baseline measurement.	
122101	Aneurysm on cited vessel	Anatomic term modifier indicating aneurysm on cited vessel is the subject of the finding.	
122102	Graft to cited segment, proximal section	Anatomic term modifier indicating proximal section of graft to cited vessel is the subject of the finding.	
122103	Graft to cited segment, mid section	Anatomic term modifier indicating mid section of graft to cited vessel is the subject of the finding.	
122104	Graft to cited segment, distal section	Anatomic term modifier indicating distal section of graft to cited vessel is the subject of the finding.	
122105	DateTime of Intervention	DateTime of Intervention.	
122106	Duration of Intervention	Duration of Intervention.	
122107	*Baseline Stenosis Measurement*	*Lesion stenosis measured prior to any interventional procedure*	*Retired. Replaced by (408715008, SCT, "Lumen Diameter Stenosis"), post-coordinated with (128955008, SCT, "Baseline Phase")*
122108	*Post-Intervention Stenosis Measurement*	*Lesion stenosis measured after an interventional procedure*	*Retired. Replaced by (408715008, SCT, "Lumen Diameter Stenosis"), post-coordinated with (128960007, SCT, "Post-intervention Phase")*
122109	Baseline TIMI Flow	Assessment of perfusion across a coronary lesion measured prior to any interventional procedure.	

Code Value	Code Meaning	Definition	Notes
122110	Post-Intervention TIMI Flow	Assessment of perfusion across a coronary lesion measured after an interventional procedure.	
122111	Primary Intervention Device	Indication that device is the primary (first and/or most significant) device used for interventional therapy of a particular pathology. E.g., lesion.	
122112	Normal Myocardium	Normal Myocardium.	
122113	Scarred Myocardium	Scarred Myocardium.	
122114	Thinning Myocardium	Thinning Myocardium.	
122120	Hemodynamics Report	Hemodynamics Report.	
122121	Atrial pressure measurements	Atrial pressure measurements, report section.	
122122	Ventricular pressure measurements	Ventricular pressure measurements, report section.	
122123	Gradient assessment	Gradient assessment, report section.	
122124	Blood velocity measurements	Blood velocity measurements, report section.	
122125	Blood lab measurements	Blood lab measurements, report section.	
122126	Derived Hemodynamic Measurements	Derived Hemodynamic Measurements, report section.	
122127	Clinical Context	Clinical Context, report section.	
122128	Patient Transferred From	Location from which the patient was transferred.	
122129	PCI during this procedure	Indication that the procedure includes a percutaneous coronary intervention.	
122130	Dose Area Product	Radiation dose times area of exposure.	
122131	Degree of Thrombus	Finding of probability and/or severity of thrombus.	
122132	Severity of Calcification	Severity of Calcification, property of lesion.	
122133	Lesion Morphology	Lesion Morphology; form and/or structural properties of lesion.	
122134	Vessel Morphology	Vessel Morphology; form and/or structural properties of vessel.	
122138	Circulatory Support	Technique (device or procedure) of support for patient circulatory system; hemodynamic support.	
122139	Reason for Exam	Reason for Exam.	
122140	Comparison with Prior Exam Done	Indication that the current exam data has been compared with prior exam data.	
122141	Electrode Placement	Electrocardiographic electrode placement technique.	
122142	Acquisition Device Type	Acquisition Device Type.	
122143	Acquisition Device ID	Acquisition Device ID.	
122144	Quantitative Analysis	Quantitative Analysis, report section.	
122145	Qualitative Analysis	Qualitative Analysis, report section.	
122146	Procedure DateTime	The date and time on which a procedure was performed on a patient.	
122147	Clinical Interpretation	Clinical Interpretation, report section.	
122148	Lead ID	ECG Lead Identifier.	
122149	Beat Number	Beat Number; ordinal of cardiac cycle within an acquisition.	

Code Value	Code Meaning	Definition	Notes
122150	Compound Statement	Complex coded semantic unit, consisting of several coded components.	
122151	Trend	Trend (temporal progression) of a clinical condition, finding, or disease.	
122152	Statement	Coded semantic unit.	
122153	Statement Modifier	Coded modifier for a semantic unit.	
122154	Conjunctive Term	Conjunctive term between semantic units.	
122157	Probability	Probability.	
122158	ECG Global Measurements	ECG Global Measurements, report section.	
122159	ECG Lead Measurements	ECG Lead Measurements, report section.	
122160	Derived Area, Non-Valve	Derived cross-sectional area of a vessel or anatomic feature, other than a cardiac valve.	
122161	Pulmonary Flow	Rate of blood flow through Pulmonary artery.	
122162	Systemic Flow	Rate of blood flow through the aorta.	
122163	Discharge DateTime	DateTime of patient discharge from hospital admission.	
122164	Coronary Artery Bypass During This Admission	Indication that a Coronary Artery Bypass operation was performed during the current hospital admission.	
122165	DateTime of Death	DateTime of Death.	
122166	Death During This Admission	Indication that the patient died during the current hospital admission.	
122167	Death During Catheterization	Indication that the patient died during the current Catheterization procedure.	
122170	Type of Myocardial Infarction	Finding of type of Myocardial Infarction.	
122171	Coronary lesion > = 50% stenosis	Finding of Coronary lesion with greater than 50% stenosis.	
122172	Acute MI Present	Finding of Acute Myocardial Infarction Presence as indication for interventional procedure.	
122173	ST Elevation Onset DateTime	DateTime of first determination of elevated ECG ST segment, as indication of Myocardial Infarction.	
122175	Number of lesion interventions attempted	Number of lesion interventions attempted during current procedure.	
122176	Number of lesion interventions successful	Number of lesion interventions successful during current procedure, where the residual post intervention stenosis is less than or equal to 50% of the arterial luminal diameter, TIMI Flow is 3 and the minimal decrease in stenosis was 20%.	
122177	Procedure Result	Overall success of interventional procedure.	
122178	Lesion Intervention Information	Lesion Intervention Information, report section.	
122179	Peri-procedural MI occurred	Indication that Myocardial Infarction occurred during current procedure.	
122180	CK-MB baseline	Creatine Kinase-MB value at baseline (start of procedure).	
122181	CK-MB peak	Creatine Kinase-MB highest value measured during procedure.	
122182	R-R interval	Time interval between ECG R-wave peaks in subsequent cardiac cycles.	
122183	Blood temperature	Blood temperature.	

Code Value	Code Meaning	Definition	Notes
122185	Blood Oxygen content	Blood Oxygen content.	
122187	Blood Carbon dioxide saturation	Blood Carbon dioxide saturation.	
122188	Pulmonary Arterial Content (FCpa)	Pulmonary Arterial Content (FCpa).	
122189	Pulmonary Venous Content (FCpv)	Pulmonary Venous Content (FCpv).	
122190	Max dp/dt/P	Max dp/dt/P.	
122191	Ventricular End Diastolic pressure	Ventricular End Diastolic pressure.	
122192	Indicator appearance time	Elapsed time from injection of an indicator bolus until it is observed at another location.	
122193	Maximum pressure acceleration	Maximum pressure acceleration.	
122194	Ventricular Systolic blood pressure	Ventricular Systolic blood pressure.	
122195	Pulse Strength	Pulse Strength; palpable strength of systolic flow.	
122196	C wave pressure	The secondary peak pressure in the atrium during atrial contraction.	
122197	Gradient pressure, average	Gradient pressure, average.	
122198	Gradient pressure, peak	Gradient pressure, peak.	
122199	Pressure at dp/dt max	Pressure at dp/dt max.	
122201	Diastolic blood velocity, mean	Diastolic blood velocity, mean.	
122202	Diastolic blood velocity, peak	Diastolic blood velocity, peak.	
122203	Systolic blood velocity, mean	Systolic blood velocity, mean.	
122204	Systolic blood velocity, peak	Systolic blood velocity, peak.	
122205	Blood velocity, mean	Blood velocity, mean.	
122206	Blood velocity, minimum	Blood velocity, minimum.	
122207	Blood velocity, peak	Blood velocity, peak.	
122208	x-descent pressure	Venous or atrial pressure minimum during ventricular systole, after A-wave.	
122209	y-descent pressure	Venous or atrial pressure minimum when tricuspid valve opens during diastole, after V-wave.	
122210	z-point pressure	Atrial pressure upon closure of tricuspid and mitral valves.	
122211	Left Ventricular ejection time	Left Ventricular ejection time.	
122212	Left Ventricular filling time	Left Ventricular filling time.	
122213	Right Ventricular ejection time	Right Ventricular ejection time.	
122214	Right Ventricular filling time	Right Ventricular filling time.	
122215	Total Pulmonary Resistance	Total Pulmonary Resistance.	
122216	Total Vascular Resistance	Total Vascular Resistance.	
122217	Coronary Flow reserve	Coronary Flow reserve.	
122218	Diastolic/Systolic velocity ratio	Diastolic/Systolic velocity ratio.	
122219	Hyperemic ratio	Hyperemic ratio.	
122220	Hemodynamic Resistance Index	Hemodynamic Resistance Index.	
122221	Thorax diameter, sagittal	Thorax diameter, sagittal.	
122222	Procedure Environmental Characteristics	Environmental characteristics in the procedure room.	
122223	Room oxygen concentration	Oxygen concentration in the procedure room.	
122224	Room temperature	Temperature in the procedure room.	

Code Value	Code Meaning	Definition	Notes
122225	Room Barometric pressure	Barometric pressure in the procedure room.	
122227	Left to Right Flow	Left to Right Flow.	
122228	Right to Left Flow	Right to Left Flow.	
122229	Arteriovenous difference	Arteriovenous oxygen content difference.	
122230	10 Year CHD Risk	Framingham Study 10 Year CHD Risk.	
122231	Comparative Average10 Year CHD Risk	Framingham Study Comparative Average10 Year CHD Risk.	
122232	Comparative Low10 Year CHD Risk	Framingham Study Comparative Low10 Year CHD Risk.	
122233	LDL Cholesterol Score Sheet for Men	Framingham Study LDL Cholesterol Score Sheet for Men.	
122234	LDL Cholesterol Score Sheet for Women	Framingham Study LDL Cholesterol Score Sheet for Women.	
122235	Total Cholesterol Score Sheet for Men	Framingham Study Total Cholesterol Score Sheet for Men.	
122236	Total Cholesterol Score Sheet for Women	Framingham Study Total Cholesterol Score Sheet for Women.	
122237	Corrected Sinus Node Recovery Time	Corrected Sinus Node Recovery Time.	
122238	Max volume normalized to 50mmHg pulse pressure	Max volume normalized to 50mmHg pulse pressure.	
122239	Oxygen Consumption	Oxygen Consumption.	
122240	BSA = 3.207*WT^(0.7285-0.0188 log (WT)) *HT^0.3	Body Surface Area computed from patient height and weight: BSA = 3.207*WT[g]^(0.7285-0.0188 log (WT[g])) *HT[cm] ^ 0.3 [Boyd E, The growth of the surface area of the human body. Minneapolis: University of Minnesota Press, 1935, eq. (36)].	
122241	BSA = 0.007184*WT^ 0.425*HT^0.725	Body Surface Area computed from patient height and weight: BSA = 0.007184* WT[kg] ^ 0.425*HT[cm] ^ 0.725 [Dubois and Dubois, Arch Int Med 1916 17:863-71].	
122242	BSA = 0.0235*WT^0.51456*HT^ 0.42246	Body Surface Area computed from patient height and weight: BSA = 0.0235* WT[kg] ^0.51456*HT[cm]^ 0.42246 [Gehan EA, George SL, 'Estimation of human body surface area from height and weight', Cancer Chemother Rep 1970 54:225-35].	
122243	BSA = 0.024265*WT^0.5378*HT^0.3964	Body Surface Area computed from patient height and weight: BSA = 0.024265 * WT[kg] ^ 0.5378 * HT[cm] ^ 0.3964 [Haycock G.B., Schwartz G.J., Wisotsky D.H. 'Geometric method for measuring body surface area: A height weight formula validated in infants, children and adults.' The Journal of Pediatrics 1978 93:1:62-66].	
122244	BSA = (HT * WT/36) ^0.5	Body Surface Area computed from patient height and weight: BSA = (HT[m] * WT[kg] / 36) ^ 0.5 [Mosteller, R.D. 'Simplified Calculation of Body Surface Area.' N Engl J Med 1987 Oct 22;317(17):1098].	

Code Value	Code Meaning	Definition	Notes
122245	BSA = 1321+0.3433*WT	Body Surface Area computed from patient weight:BSA = 1321 + 0.3433 * WT[kg] (for pediatrics 3-30 kg) [Current, J.D. 'A Linear Equation For Estimating The Body Surface Area In Infants And Children', *The Internet Journal of Anesthesiology*. 1998. 2:2].	
122246	BSA = 0.0004688 * WT ^ (0.8168 - 0.0154 * log(WT))	BSA = 0.0004688 * (1000 * WT) ^ (0.8168 - 0.0154 * log(1000 * WT)) Where (WT is weight in kilogram) Units = m2 Boyd, Edith. *The Growth of the Surface Area of the Human Body*(originally published in 1935 by the University of Minnesota Press), Greenwood Press, Westport, Connecticut, 1975, p. 102.Equation (35).	
122247	VO2male = BSA (138.1 - 11.49 * loge(age) + 0.378 * HRf)	Equation for estimated oxygen consumption: VO2male = BSA (138.1 - 11.49 * loge(age) + 0.378 * HRf).	
122248	VO2female = BSA (138.1 - 17.04 * loge(age) + 0.378 * HRf)	Equation for estimated oxygen consumption: VO2female = BSA (138.1 - 17.04 * loge(age) + 0.378 * HRf).	
122249	VO2 = VeSTPD * 10 * (FIO2 - FE02)	Equation for estimated oxygen consumption: VO2 = VeSTPD * 10 * (FIO2 - FE02).	
122250	VO2 = 152 * BSA	Equation for estimated oxygen consumption: VO2 = 152 * BSA.	
122251	VO2 = 175 * BSA	Equation for estimated oxygen consumption: VO2 = 175 * BSA.	
122252	VO2 = 176 * BSA	Equation for estimated oxygen consumption: VO2 = 176 * BSA.	
122253	Robertson & Reid table	Robertson & Reid Table for estimated oxygen consumption.	
122254	Fleisch table	Fleisch table for estimated oxygen consumption.	
122255	Boothby table	Boothby table for estimated oxygen consumption.	
122256	if (prem age< 3days) P50 = 19.9	Estimate of Oxygen partial pressure at 50% saturation for premature infants less than 3 days old: P50 = 19.9.	
122257	if (age < 1day) P50 = 21.6	Estimate of Oxygen partial pressure at 50% saturation for infants less than 1 day old: P50 = 21.6.	
122258	if (age < 30day) P50 = 24.6	Estimate of Oxygen partial pressure at 50% saturation for infants less than 30 days old: P50 = 24.6.	
122259	if (age < 18y) P50 = 27.2	Estimate of Oxygen partial pressure at 50% saturation for patients less than 18 years old: P50 = 27.2.	
122260	if (age < 40y) P50 = 27.4	Estimate of Oxygen partial pressure at 50% saturation for patients less than 40 years old: P50 = 27.4.	
122261	if (age > 60y) P50 = 29.3	Estimate of Oxygen partial pressure at 50% saturation for patients more than 60 years old: P50 = 29.3.	
122262	Area = Flow / 44.5 * sqrt(Gradient[mmHg])	Cardiac valve area computed from flow and pressure gradient: Area = Flow / 44.5 * sqrt(Gradient[mmHg]) [Gorlin and Gorlin, Am Heart J, 1951].	
122263	MVA = Flow / 38.0 * sqrt(Gradient[mmHg])	Mitral valve area computed from flow and pressure gradient: Mitral valve Area = Flow / 38.0 * sqrt(Gradient[mmHg]) [Gorlin and Gorlin, Am Heart J, 1951].	

Code Value	Code Meaning	Definition	Notes
122265	BMI = Wt / Ht ^ 2	Body Mass Index computed from weight and height: BMI = Wt/Ht^2.	
122266	BSA = 0.007358 * WT ^ 0.425 * HT ^ 0.725	Body Surface Area computed from patient height and weight: BSA = 0.007358 * WT[kg] ^ 0.425 * HT[cm] ^ 0.725 (for East Asian adult, aged 15+ years) [Kanai Izumi, Masamitsu Kanai, 'Clinical examination method summary'].	
122267	BSA = 0.010265 * WT ^ 0.423 * HT ^ 0.651	Body Surface Area computed from patient height and weight: BSA = 0.010265 * WT[kg] ^ 0.423 * HT[cm] ^ 0.651 (For East Asian child aged 12-14 years).	
122268	BSA = 0.008883 * WT ^ 0.444 * HT ^ 0.663	Body Surface Area computed from patient height and weight: BSA = 0.008883* WT[kg] ^ 0.444 * HT[cm] ^ 0.663 (For East Asian child aged 6-11 years).	
122269	BSA = 0.038189 * WT ^ 0.423 * HT ^ 0.362	Body Surface Area computed from patient height and weight: BSA = 0.038189 * WT[kg] ^ 0.423 * HT[cm] ^ 0.362 (For East Asian child aged 1-5 years).	
122270	BSA = 0.009568 * WT ^ 0.473 * HT ^ 0.655	Body Surface Area computed from patient height and weight: BSA = 0.009568* WT[kg] ^ 0.473 * HT[cm] ^ 0.655 (For East Asian child aged 0-12 months).	
122271	Skin Condition Warm	Skin Condition Warm.	
122272	Skin Condition Cool	Skin Condition Cool.	
122273	Skin Condition Cold	Skin Condition Cold.	
122274	Skin Condition Dry	Skin Condition Dry.	
122275	Skin Condition Clammy	Skin Condition Clammy.	
122276	Skin Condition Diaphoretic	Skin Condition Diaphoretic.	
122277	Skin Condition Flush	Skin Condition Flush.	
122278	Skin Condition Mottled	Skin Condition Mottled.	
122279	Skin Condition Pale	Skin Condition Pale.	
122281	Airway unobstructed	Airway unobstructed.	
122282	Airway partially obstructed	Airway partially obstructed.	
122283	Airway severely obstructed	Airway severely obstructed.	
122288	Not Visualized	Anatomy could not be visualized for the purpose of evaluation.	
122291	Quantitative Arteriography Report	Quantitative Arteriography Report.	
122292	Quantitative Ventriculography Report	Quantitative Ventriculography Report.	
122301	Guidewire crossing lesion unsuccessful	Guidewire crossing lesion unsuccessful.	
122302	Guidewire crossing lesion successful	Guidewire crossing lesion successful.	
122303	Angioplasty balloon inflated	Angioplasty balloon inflated.	
122304	Angioplasty balloon deflated	Angioplasty balloon deflated.	
122305	Device deployed	Device deployed.	
122306	Stent re-expanded	Stent re-expanded.	
122307	Object removed	Object removed.	

Code Value	Code Meaning	Definition	Notes
122308	Radiation applied	Radiation applied.	
122309	Radiation removed	Radiation removed.	
122310	Interventional device placement unsuccessful	Interventional device placement unsuccessful.	
122311	Interventional device placed	Interventional device placed.	
122312	Intervention performed	Intervention performed.	
122313	Interventional device withdrawn	Interventional device withdrawn.	
122319	Catheter Size	Catheter Size.	
122320	Injectate Temperature	Injectate Temperature.	
122321	Injectate Volume	Injectate Volume.	
122322	Calibration Factor	Factor by which a measured or calculated value is multiplied to obtain the estimated real-world value.	
122325	IVUS Report	Intravascular Ultrasound Report.	
122330	EEM Diameter	External Elastic Membrane (EEM) diameter measured through the center point of the vessel. Center point of the vessel is defined as the center of gravity of the EEM area. The EEM is a discrete interface at the border between the media and the adventitia.	
122331	Plaque Plus Media Thickness	The distance from intimal leading edge to the external elastic membrane along any line passing through the luminal center, which is defined as the center of gravity of the lumen area.	
122332	Lumen Perimeter	Planimetered perimeter of the lumen.	
122333	EEM Cross-Sectional Area	Vessel area measured at the External Elastic Membrane (EEM), a discrete interface at the border between the media and the adventitia.	
122334	Plaque plus Media Cross-Sectional Area	Area within the EEM occupied by atheroma, regardless of lumen compromise. Plaque plus Media Area = EEM cross-sectional area - vessel lumen cross-sectional area.	
122335	In-Stent Neointimal Cross-Sectional Area	Measurement of in-stent restenosis. In-Stent Intimal Area = Stent cross-sectional area - vessel lumen cross-sectional area.	
122336	Vascular Volume measurement length	Longitudinal extent of the Vascular Volume Measurement. This is the distance from the distal edge to the proximal edge of the Volume measurement.	
122337	Relative position	Longitudinal distance from the closest edge of a fiducial feature or reference location to the start of the vascular measurement. This value will be a positive if the measurement is distal to the fiducial feature or reference location, or negative if the measurement is proximal to the fiducial feature or reference location.	
122339	Stent Volume Obstruction	In-Stent Neointimal Volume / Stent Volume.	
122340	Fiducial feature	Reference, normally anatomical, which is used for locating the position of a measurement.	
122341	Calcium Length	Longitudinal calcium length measurement.	

Code Value	Code Meaning	Definition	Notes
122343	Lumen Eccentricity Index	Measurement of vessel lumen eccentricity. Lumen Eccentricity Index = (maximum vessel lumen diameter - minimum vessel lumen diameter) / maximum vessel lumen diameter. Lumen diameters are measured through the center point of the lumen, which is defined as the center of gravity of the lumen area.	
122344	Plaque plus Media Eccentricity Index	Plaque plus Media Eccentricity Index = (maximum Plaque plus media thickness - minimum Plaque plus media thickness) / maximum Plaque plus media thickness.	
122345	Remodeling Index	Measurement of increase or decrease in EEM area that occurs during the development of atherosclerosis. Remodeling Index = Lesion EEM area / reference EEM area.	
122346	Stent Symmetry Index	Measurement of stent circularity. Stent Symmetry Index = (maximum stent diameter - minimum stent diameter) / maximum stent diameter.	
122347	Stent Expansion Index	Measurement of stent area relative to the reference lumen area. Stent Expansion Index = Minimum stent area / reference vessel lumen cross-sectional area.	
122348	Lumen Shape Index	Measurement of vessel lumen eccentricity. Lumen Shape Index = (2p * sqrt(Vessel lumen cross-sectional area / p) / Lumen Perimeter) 2 Reference: Tobis & Yock, "Intravascular Ultrasound Imaging", Chapter 7.	
122350	Lumen Diameter Ratio	Lumen diameter ratio = minimum vessel lumen diameter / maximum vessel lumen diameter, measured at the same cross section in the vessel. Lumen diameters are measured through the center point of the lumen, which is defined as the center of gravity of the lumen area.	
122351	Stent Diameter Ratio	Stent diameter ratio = Minimum stent diameter / Maximum stent diameter, measured at the same cross section in the vessel. Stent diameters are measured through the center point of the stent, which is defined as the center of gravity of the stent area.	
122352	EEM Diameter Ratio	EEM diameter ratio = minimum EEM diameter / maximum EEM diameter. Measured at the same cross section in the vessel.	
122354	Plaque Burden	Fractional area within the External Elastic Membrane (EEM) occupied by atheroma. Plaque Burden = (EEM area - vessel lumen cross-sectional area) / EEM area.	
122355	Arc of Calcium	Angular measurement of a Calcium deposit with the apex located at the center of the lumen, which is defined as the center of gravity of the lumen area.	
122356	Soft plaque	Plaque characterized by low density or echogenicity.	
122357	In-Stent Neointima	Abnormal thickening of the intima within the stented segment.	
122360	True Lumen	Lumen surrounded by all three layers of the vessel-intima, media, and adventitia.	
122361	False Lumen	A channel, usually parallel to the true lumen, which does not communicate with the true lumen over a portion of its length.	

Code Value	Code Meaning	Definition	Notes
122363	Plaque Rupture	Plaque ulceration with a tear detected in a fibrous cap.	
122364	Stent Gap	Length of gap between two consecutive stents.	
122367	T-1 Worst	Worst stenosis - the stenosis with the smallest lumen size within a vessel segment.	
122368	T-2 Secondary	2nd most severe stenosis within a vessel segment.	
122369	T-3 Secondary	3rd most severe stenosis within a vessel segment.	
122370	T-4 Secondary	4th most severe stenosis within a vessel segment.	
122371	EEM Volume	External Elastic Membrane (EEM) volume measured within a specified region. The EEM is a discrete interface at the border between the media and the Adventitia.	
122372	Lumen Volume	Lumen volume measured within a specified region.	
122374	In-Stent Neointimal Volume	The amount of plaque between the lumen and stent, within the stent region; In-stent restenosis. In-Stent Neointimal Volume = Stent Volume - Lumen Volume.	
122375	Native Plaque Volume	The amount of plaque between the stent and the EEM, within the stent region. Native Plaque Volume = EEM Volume - Stent Volume.	
122376	Total Plaque Volume	Total amount of plaque between the EEM and the Lumen, over the entire region that is measured. Total Plaque Volume = EEM Volume - Lumen Volume.	
122380	Proximal Reference	Proximal reference segment measurement site. Typically the site with the largest lumen proximal to a stenosis but within the same segment (usually within 10 mm of the stenosis with no major intervening branches).	
122381	Distal Reference	Distal reference segment measurement site. Typically the site with the largest lumen distal to a stenosis but within the same segment (usually within 10 mm of the stenosis with no major intervening branches).	
122382	Site of Lumen Minimum	Site of the smallest lumen in a vessel. E.g., due to a stenotic lesion.	
122383	Entire Pullback	Measurement region that encompasses the entire vessel imaged in a single pullback acquisition.	
122384	Stented Region	Measurement region occupied by the stent.	
122385	Proximal Stent Margin	Region starting at the proximal edge of the Stent and extending several millimeters (usually 5 mm) proximal to the Stent edge.	
122386	Distal Stent Margin	Region starting at the distal edge of the Stent and extending several millimeters (usually 5 mm) distal to the Stent edge.	
122387	Dissection Classification	Classification of dissections in a vessel.	
122388	Intra-stent Dissection	Separation of neointimal hyperplasia from stent struts, usually seen only after treatment of in-stent restenosis.	
122389	Vulnerable Plaque	Plaque with a thin cap fibrous atheroma that is at increased risk of rupture and thrombosis (or re-thrombosis) and rapid stenosis progression.	
122390	Eroded Plaque	Plaque erosions with no structural defect (beyond endothelial injury) or gap in the plaque.	
122391	Relative Stenosis Severity	Stenosis severity classifications of multiple lesions in a vessel.	

Code Value	Code Meaning	Definition	Notes
122393	Restenotic Lesion	A finding of a previously treated lesion in which stenosis has reoccurred.	
122394	Fibro-Lipidic Plaque	Loosely packed bundles of collagen fibers with regions of lipid deposition present. Region is cellular and no cholesterol clefts or necrosis are present. Some macrophage infiltration. Increase in extra cellular matrix.	
122395	Necrotic-Lipidic Plaque	Area within the plaque with very low echogenicity separated from the lumen and surrounded by more echogenic structures (fibrous cap). Highly lipidic necrotic region with remnants of foam cells and dead lymphocytes present. No collagen fibers are visible and mechanical integrity is poor. Cholesterol clefts and micro calcifications are visible.	
122397	Adventitial Dissection	Separation of the layers of an artery involving the adventitia	
122398	Intimal Dissection	Separation of the layers of an artery involving the intima. Dissection limited to the intima or atheroma, and not extending to the media.	
122399	Medial Dissection	Separation of the layers of an artery involving the media. Dissection in the arterial Media, extending into the media.	
122400	Simultaneously Acquired	The referenced information was acquired simultaneously with the information in the object in which the reference occurs.	
122401	Same Anatomy	Information acquired for the same anatomic region.	
122402	Same Indication	Information acquired for the same indication. E.g., to elucidate the same diagnostic question.	
122403	For Attenuation Correction	The referenced information was used to correct the data for differential attenuation through different anatomic tissue.	
122404	Reconstructed	Value estimated for a vessel in the absence of a stenosis.	
122405	Algorithm Manufacturer	Manufacturer of application used.	
122406	Left Atrial Ejection Fraction by Angiography	Left Atrial Ejection Fraction by Angiography.	
122407	Left Atrial ED Volume	Left Atrial End Diastolic Volume.	
122408	Left Atrial ES Volume	Left Atrial End Systolic Volume.	
122410	Contour Realignment	Contour repositioning of End Diastolic relative to End Systolic contour.	
122411	Threshold Value	The minimum standard deviation to define the hypokinesis and hyperkinesis.	
122417	Regional Abnormal Wall Motion	Report of differentiation of wall motion compared to normal.	
122421	Calibration Object	Object used for Calibration.	
122422	Calibration Method	Method used for Calibration.	
122423	Calibration Object Size	Size of calibration object.	
122428	Area Length Method	Method how long axis is positioned.	
122429	Volume Method	Model for cardiac chamber volume calculation.	
122430	Reference Method	Method to define original diameter of the artery.	

Code Value	Code Meaning	Definition	Notes
122431	Regression Slope ED	Relation between calculated End Diastolic volume and ventricular End Diastolic volume. The specific meaning is dependent on volume method used.	
122432	Regression Offset ED	Correction factor for the calculated End Diastolic volume and ventricular End Diastolic volume. The specific meaning is dependent on volume method used.	
122433	Regression Slope ES	Relation between calculated End Systolic volume and ventricular End Systolic volume. The specific meaning is dependent on volume method used.	
122434	Regression Offset ES	Correction factor for the calculated End Systolic volume and ventricular End Systolic volume. The specific meaning is dependent on volume method used.	
122435	Regression Volume Exponent	Exponent of volume in regression formula.	
122438	Reference Points	Container for spatial locations or coordinates used for calculation.	
122445	Wall Thickness	Average thickness of the chamber wall in the current view.	
122446	Wall Volume	Volume of the chamber wall estimated from the current view.	
122447	Wall Mass	Mass of the chamber wall (myocardium).	
122448	Wall Stress	Peak systolic stress of chamber wall.	
122449	Centerline Wall Motion Analysis	Method to calculate wall motion [example: Sheehan, 1986].	
122450	Normalized Chord Length	The length between End Diastolic and End Systolic contour perpendicular on the centerline normalized by a method dependent ventricular perimeter length. The centerline is the line equidistant between the End Diastolic and End Systolic contour [example: Sheehan, 1986].	
122451	Abnormal Region	The report of the boundaries of the abnormal (hyperkinetic, hypokinetic, a-kinetic) regions associated with the territory of the artery [example: Sheehan, 1986].	
122452	First Chord of Abnormal Region	The chord number specifying the begin of abnormal region [example: Sheehan, 1986].	
122453	Last Chord of Abnormal Region	The chord number specifying the end of abnormal region [example: Sheehan, 1986].	
122459	Territory Region Severity	Severity at the regional abnormality extent [example: Sheehan, 1986].	
122461	Opposite Region Severity	Severity at the opposite regional abnormality extent [example: Sheehan, 1986].	
122464	LAD Region in RAO Projection	Based on a total number of chords of 100 and RAO project the range of chords belonging to this circumferential extent lies between 5 - 85. [Sheehan, 1986].	
122465	RCA Region in ROA Projection	Based on a total number of chords of 100 and RAO project the range of chords belonging to this circumferential extent lies between 25 - 85. [Sheehan, 1986].	

Code Value	Code Meaning	Definition	Notes
122466	Single LAD Region in RAO Projection	Based on a total number of chords of 100 and RAO projection the range of chords belonging to this regional extent lies between 10 - 66 (hypokinetic) and 67 - 80 (hyperkinetic). [Sheehan, 1986].	
122467	Single RCA Region in RAO Projection	Based on a total number of chords of 100 and RAO projection the range of chords belonging to this regional extent lies between 51 - 80 (hypokinetic) and 10 - 50 (hyperkinetic). [Sheehan, 1986].	
122468	Multiple LAD Region in RAO Projection	Based on a total number of chords of 100 and RAO projection the range of chords belonging to this regional extent lies between 10 - 58 (hypokinetic) and 59 -80 (hyperkinetic). [Sheehan, 1986].	
122469	Multiple RCA Region in RAO Projection	Based on a total number of chords of 100 and RAO projection the range of chords belonging to this regional extent lies between 59 - 80 (hypokinetic) and 10 - 58 (hyperkinetic). [Sheehan, 1986].	
122470	LAD Region in LAO Projection	Based on a total number of chords of 100 and LAO projection the range of chords belonging to this regional extent lies between 50 -100 (hypokinetic) and 20 - 49 (hyperkinetic). [Sheehan, 1986].	
122471	RCA Region in LAO Projection	Based on a total number of chords of 100 and LAO projection the range of chords belonging to this regional extent lies between 19 - 67 (hypokinetic) and 68 - 100 (hyperkinetic). [Sheehan, 1986].	
122472	CFX Region in LAO Projection	Based on a total number of chords of 100 and LAO projection the range of chords belonging to this regional extent lies between 38 -74 (hypokinetic) and 75 - 100 (hyperkinetic). [Sheehan, 1986].	
122473	Circular Method	Method based on assumption that the image object is circular.	
122474	Densitometric Method	Method based on the gray value distribution of the image.	
122475	Center of Gravity	End Systolic contour realigned to End Diastolic contour based on the center of gravity.	
122476	Long Axis Based	End Systolic contour realigned to End Diastolic contour based on the mid point of the long axis. The long axis end points are defined as the posterior and apex.	
122477	No Realignment	No Contour Realignment applied.	
122480	Vessel Lumen Cross-Sectional Area	Calculated Vessel Lumen Cross-Sectional Area based on the referenced method.	
122481	Contour Start	Location of the beginning of a contour.	
122482	Contour End	Location of the end of a contour.	
122485	Sphere	Sphere visible in an image, which is used as a calibration or marker object.	
122486	Geometric Isocenter	Object of interest in isocenter of image and pixel separation is calculated from geometric data.	
122487	Geometric Non-Isocenter	Object of interest not in isocenter of image and pixel separation is calculated from geometric data and out of isocenter distances.	
122488	Calibration Object Used	Object used for calibration. E.g., sphere.	

Code Value	Code Meaning	Definition	Notes
122489	Curve Fitted Reference	Application dependent method to calculate the reference diameter based on the multiple diameter values.	
122490	Interpolated Local Reference	Application dependent method to calculate reference by interpolation, based on the diameter of two or more user defined reference positions.	
122491	Mean Local Reference	Application dependent method to calculate by averaging the reference, based on the diameter of one or more user defined reference positions.	
122493	Radial Based Wall Motion Analysis	Method to calculate wall motion based on the lengths of the radials in the predefined regions [Ingels].	
122495	Regional Contribution to Ejection Fraction	Contribution of Region to global Ejection factor based on radial or landmark based wall motion method.	
122496	Radial Shortening	The reduction of area between End Systolic and End Diastolic based on radial wall motion analysis.	
122497	Landmark Based Wall Motion Analysis	Method to calculate wall motion based on the move of landmarks on the wall [Slager].	
122498	Slice Contribution to Ejection Fraction	Contribution to the ejection fraction of a specific slice region [Slager].	
122499	Frame to Frame Analysis	Method to calculate volumes of heart chambers for every image in a range.	
122501	Area of closed irregular polygon	The area is derived by considering a set of coordinates as a closed irregular polygon, accounting for inner angles. The exact method, such as by decomposition into triangles or quadrilaterals, is not specified, since it does not affect the numeric result, apart from the effect of numeric precision during computation of intermediate results.	
122502	Area of a closed NURBS	The area is derived by using a set of coordinates as control points for a Non Uniform Rational B-Spline (NURBS).	
122503	Integration of sum of closed areas on contiguous slices	The volume derived by integrating the sum of the areas on adjacent slices across the slice interval; each area is defined by a regular planar shape or by considering a set of coordinates as a closed irregular polygon, accounting for inner angles.	
122505	Calibration	Procedure used to calibrate measurements or measurement devices.	
122507	Left Contour	Left contour of lumen (direction proximal to distal).	
122508	Right Contour	Right contour of lumen (direction proximal to distal).	
122509	Diameter Graph	Ordered set of diameters values derived from contours (direction proximal to distal).	
122510	Length Luminal Segment	Length Luminal Segment.	
122511	Graph Increment	Increment value along X-axis in Diameter Graph.	
122516	Site of Maximum Luminal	Location of the maximum lumen area in a lesion or vessel.	
122517	Densitometric Luminal Cross-sectional Area Graph	Ordered set of cross-sectional Vessel Lumen Cross-Sectional Area values derived from contours (direction proximal to distal) based on densitometric method.	

Code Value	Code Meaning	Definition	Notes
122528	Position of Proximal Border	Position of proximal border of segment relative to the contour start (proximal end of analysis area).	
122529	Position of Distal Border	Position of distal border of segment relative to the contour start (proximal end of analysis area).	
122542	Plaque Area	Longitudinal cross sectional area of plaque.	
122544	Diameter Symmetry	Symmetry of stenosis (0 = complete asymmetry, 1 = complete symmetry); see Section T.2 “Definition of Diameter Symmetry with Arterial Plaques” in PS3.17.	
122545	Area Symmetry	Symmetry of plaque (0 = complete asymmetry, 1 = complete symmetry); see Section T.2 “Definition of Diameter Symmetry with Arterial Plaques” in PS3.17.	
122546	Inflow Angle	The average slope of the diameter function between the position of the minimum luminal diameter and the position of the proximal border of the segment.	
122547	Outflow Angle	The average slope of the diameter function between the position of the minimum luminal diameter and the position of the distal border of the segment.	
122548	Stenotic Flow Reserve	The relation between coronary pressure and coronary flow.	
122549	Poiseuille Resistance	Poiseuille Resistance at the location of the stenosis.	
122550	Turbulence Resistance	Turbulence Resistance at the location of the stenosis.	
122551	Pressure Drop at SFR	Pressure drop over the stenosis at maximum heart output.	
122554	Segmentation Method	Method for selection of vessel sub-segments.	
122555	Estimated Normal Flow	Estimate of the volume of blood flow in the absence of stenosis.	
122558	Area Length Kennedy	Area Length method defined by Kennedy [Kennedy, 1970].	
122559	Area Length Dodge	Area Length method defined by Dodge [Dodge, 1960].	
122560	Area Length Wynne	Area Length method defined by Wynne [Wynne].	
122562	Multiple Slices	Volume method based on multiple slice.	
122563	Boak	Volume method defined by Boak [Boak].	
122564	TS Pyramid	Volume method defined by Ferlinz [Ferlinz].	
122565	Two Chamber	Volume method defined by Graham [Graham].	
122566	Parallelepiped	Volume method defined by Arcilla [Arcilla].	
122572	BSA^1.219	Corrected Body Surface area for indexing the hemodynamic measurements for a pediatric patient.	
122574	Equidistant method	Method for selecting sub-segments that are all of the same length.	
122575	User selected method	Manually selected start and end of sub-segment.	
122582	Left ventricular posterobasal segment	Left ventricular posterobasal segment.	
122600	Cardiovascular Analysis Report	Report of a Cardiovascular Analysis, typically from a CT or MR study.	
122601	Ventricular Analysis	Ventricular Analysis.	
122602	Myocardial Perfusion Analysis	Myocardial Perfusion Analysis.	
122603	Calcium Scoring Analysis	Calcium Scoring Analysis.	

Code Value	Code Meaning	Definition	Notes
122604	Flow Quantification	Flow Quantification Analysis.	
122605	Vascular Morphological Analysis	Vascular Morphological Analysis.	
122606	Vascular Functional Analysis	Vascular Functional Analysis.	
122607	Thickening Analysis	Analysis of myocardial wall thickening.	
122608	Absolute Values Of Ventricular Measurements	Section Heading for absolute values of ventricular measurements.	
122609	Normalized Values Of Ventricular Measurements	Results of normalizing ventricular measurements.	
122611	Reference Point	Reference Point of a measurement.	
122612	Central breathing position	Central breathing position between inspiration and expiration.	
122616	Peak Ejection Rate	Peak of the ventricular ejection rate.	
122617	Peak Ejection Time	Time of the peak of ventricular ejection.	
122618	Peak Filling Rate	Peak of the fluid filling rate.	
122619	Peak Filling Time	Time interval until time of peak filling from a given reference point. E.g., end systole.	
122620	Papillary Muscle Excluded	Papillary muscle was excluded from the measurement.	
122621	Papillary Muscle Included	Papillary muscle was included in the measurement.	
122624	Wall Thickness Ratio end-systolic to end-diastolic	The ratio of the end-systolic wall thickness compared to the end-diastolic wall thickness.	
122627	Curve Fit Method	The method to smooth a ventricular volume as a function of time.	
122628	Baseline Result Correction	Baseline correction used in the calculation of the results.	
122631	Signal Earliest Peak Time	The time in a dynamic set of images at which the first peak of the signal is observed for the analyzed myocardial wall segments.	
122633	Signal Increase Start Time	This is the time at which the signal begins to increase.	
122634	Signal Time to Peak	Time interval between the beginning of the signal increase to the time at which the signal intensity reaches its first maximum in a dynamic set of images.	
122635	MR Perfusion Peak	Peak of the MR perfusion signal.	
122636	MR Perfusion Slope	Signal intensity as a function of time. It is the change in the signal intensity divided by the change in the time.	
122637	MR Perfusion Time Integral	MR perfusion time integral from baseline (foot time) to earliest peak.	
122638	Signal Baseline Start	First time point in a dynamic set of images used in the calculation of the baseline signal intensity for each myocardial wall segment.	
122639	Signal Baseline End	Last time point in a dynamic set of images used in the calculation of the baseline signal intensity for each myocardial wall segment.	
122640	Image Interval	The time delta between images in a dynamic set of images.	
122642	Velocity Encoding Minimum Value	The minimum velocity encoded by the phase encoding gradient.	
122643	Velocity Encoding Maximum Value	The maximum velocity encoded by the phase encoding gradient.	

Code Value	Code Meaning	Definition	Notes
122645	Net Forward Volume	Forward volume-reverse volume.	
122650	Area Based Method	Area Based Method for estimating volume or area.	
122651	Diameter Based Method	Diameter Based Method for estimating volume, area or diameter.	
122652	Volume Based Method	Volume Based Method for estimating volume.	
122655	NASCET	A method of diameter measurements according to NASCET (North American Symptomatic Carotid Endarterectomy Trial).	
122656	ECST	A method of diameter measurements according to ECST (European Carotid Surgery Trial).	
122657	Agatston Score Threshold	Agatston Score Threshold.	
122658	Calcium Mass Threshold	Calcium Mass Threshold.	
122659	Calcium Scoring Calibration	Calcium Scoring Calibration.	
122660	Calcium Volume	Calcium Volume.	
122661	Calcium Mass	Calcium Mass.	
122664	Late Contrast Enhancement	Delayed hyperenhancement of a tissue observed in an image acquired after injection of contrast media.	
122665	Time interval since injection of contrast media	Time interval since injection of contrast media.	
122666	Time relative to R-wave peak	Time relative to R-wave peak.	
122667	Blood velocity vs. time of cardiac cycle	Relationship between blood velocity and time relative to R-wave peak.	
122668	Time interval since detection of contrast bolus	Time interval since detection of contrast bolus.	
122670	Papillary Muscle Included/Excluded	Indicates if the papillary muscle was included or excluded in the measurement.	
122675	Anterior-Posterior	Anterior to Posterior direction.	
122680	endoleak	Persistent flow of blood into the stent-grafting.	
122683	Stent Fracture	Fracture of a stent.	
122684	Stent Disintegration	Disintegration of a stent.	
122685	Stent Composition	Material that a stent consists of.	
122686	Parent Vessel Finding	Finding about the characteristics of the parent vessel of a vessel.	
122687	Site of Lumen Maximum	Site of Maximal lumen diameter of a vessel.	
122698	X-Concept	The physical domain (time, space, etc.) to the horizontal axis of the graphical presentation.	
122699	Y-Concept	The physical domain (time, space, etc.) to the vertical axis of the graphical presentation.	
122700	Indications for Pharmacological Stress	Indications for Pharmacological Stress.	
122701	Procedure time base	Reference time for measurement of elapsed time in a procedure.	
122702	Treadmill speed	Treadmill speed.	
122703	Treadmill gradient	Treadmill gradient.	
122704	Ergometer power	Ergometer power.	

Code Value	Code Meaning	Definition	Notes
122705	Pharmacological Stress Agent Dose Rate	Pharmacological Stress Agent Dose Rate.	
122706	Rating of Perceived Exertion	Rating of Perceived Exertion.	
122707	Number of Ectopic Beats	Number of ectopic beats during a period of collection.	
122708	Double Product	Heart rate times systolic blood pressure.	
122709	Activity workload	Physical activity workload (intensity) measurement.	
122710	Time since start of stage	Elapsed time at stage.	
122711	Exercise duration after stress agent injection	Exercise duration after stress agent injection.	
122712	Imaging Start DateTime	Imaging Start DateTime.	
122713	Attenuation correction method	Attenuation correction method.	
122715	Pharmacological Stress Agent Dose	Pharmacological Stress Agent Dose.	
122716	Maximum Power Output Achieved	Maximum power output achieved during course of procedure.	
122717	Peak activity workload	Peak physical activity intensity measurement during course of procedure.	
122718	Peak Double Product	Peak Double Product measurement during course of procedure.	
122720	OSEM algorithm	Ordered subsets expectation maximization reconstruction algorithm.	
122721	Chang method	Chang attenuation correction method.	
122726	Algorithmic attenuation correction	Attenuation correction not based on image-based attenuation maps.	
122727	NM transmission attenuation correction	NM transmission attenuation correction.	
122728	CT-based attenuation correction	CT-based attenuation correction.	
122729	No Attenuation Correction	No attenuation correction.	
122730	Bazett QTc Algorithm	Bazett QT Correction Algorithm; QT/(RR ^ 0.5); Bazett HC. "An analysis of the time-relations of electrocardiograms" *Heart*7:353-370 (1920).	
122731	Hodges QTc Algorithm	Hodges QT Correction Algorithm; QT + 1.75 (heart rate-60); Hodges M, Salerno Q, Erlien D. "Bazett's QT correction reviewed. Evidence that a linear QT correction for heart rate is better." *J Am Coll Cardiol*1:694 (1983).	
122732	Fridericia QTc Algorithm	Fridericia QT Correction Algorithm; QT/(RR ^ 0.333); Fridericia LS. "The duration of systole in the electrocardiogram of normal subjects and of patients with heart disease" *Acta Med Scand*53:469-486 (1920).	
122733	Framingham QTc Algorithm	Framingham QT Correction Algorithm; QT + 0.154 (1-RR); Sagie A, Larson MG, Goldberg RJ, *et al*. "An improved method for adjusting the QT interval for heart rate (the Framingham Heart Study)." *Am J Cardiol*70:797-801(1992).	
122734	Borg RPE Scale	Borg Rating of Perceived Exertion Scale, range 6:20.	
122735	Borg CR10 Scale	Borg category ratio scale, open ended range with nominal range 0:10.	
122739	Overall study quality	Overall study quality.	

Code Value	Code Meaning	Definition	Notes
122740	Excellent image quality	Excellent image quality.	
122741	Good image quality	Good image quality.	
122742	Poor image quality	Poor image quality.	
122743	Body habitus attenuation	Image attenuation due to body physique (overweight).	
122744	Breast attenuation	Image attenuation due to breast tissue.	
122745	Diaphragmatic attenuation	Image attenuation due to diaphragm.	
122748	False positive defect finding	Finding of a defect is incorrect. E.g., from automated analysis.	
122750	Non-diagnostic - low heart rate	ECG is non-diagnostic due to low heart rate.	
122751	Non-diagnostic - resting ST abnormalities	ECG is non-diagnostic due to resting ST abnormalities.	
122752	Non-diagnostic - ventricular pacing or LBBB	ECG is non-diagnostic due to ventricular pacing or Left Bundle Branch Block.	
122753	Non-diagnostic ECG	ECG is non-diagnostic for presence of acute coronary syndrome.	
122755	Strongly positive	Strongly positive finding.	
122756	Strongly positive - ST elevation	Strongly positive finding - ST elevation.	
122757	ST Depression - Horizontal	Finding of ST segment depression with no slope.	
122758	ST Depression - Upsloping	Finding of ST segment depression with upslope.	
122759	ST Depression - Downsloping	Finding of ST segment depression with downslope.	
122760	Stress test score	Stress test score.	
122762	Number of diseased vessel territories	Number of diseased vessel territories.	
122764	Weight exceeds equipment limit	Patient weight exceeds equipment limit.	
122768	Difference in Ejection Fraction	Difference in Ejection Fraction.	
122769	Difference in ED LV Volume	Difference in End Diastolic Left Ventricular Volume.	
122770	Ratio of achieved to predicted maximal oxygen consumption	Ratio of achieved to predicted maximal oxygen consumption.	
122771	Ratio of achieved to predicted functional capacity	Ratio of achieved to predicted functional capacity.	
122772	Aerobic index	Workload (Watts) at target heart rate divided by body weight.	
122773	ST/HR Index	ST depression at peak exercise divided by the exercise-induced increase in heart rate [Kligfield P, Ameisen O, Okin PM. "Heart rate adjustment of ST segment depression for improved detection of coronary artery disease." Circulation 1989;79:245-55.].	
122775	Agreement with prior findings	Agreement with prior findings.	
122776	Disagreement with prior findings	Disagreement with prior findings.	
122781	Rest thallium/stress technetium procedure	Nuclear Medicine Rest thallium/stress technetium procedure.	
122782	Rest technetium/stress technetium 1 day procedure	Nuclear Medicine Rest technetium/stress technetium 1 day procedure.	
122783	Rest technetium/stress technetium 2 day procedure	Nuclear Medicine Rest technetium/stress technetium 2 day procedure.	

Code Value	Code Meaning	Definition	Notes
122784	Stress technetium/rest technetium 1 day procedure	Nuclear Medicine Stress technetium/rest technetium 1 day procedure.	
122785	NM Myocardial Viability procedure	Nuclear Medicine Myocardial Viability procedure.	
122791	PET Myocardial Perfusion, Rest only	Positron Emission Tomography Perfusion Imaging procedure, rest only.	
122792	PET Myocardial Perfusion, Stress only	Positron Emission Tomography Perfusion Imaging procedure, stress only.	
122793	PET Myocardial Perfusion, Rest and Stress	Positron Emission Tomography Perfusion Imaging procedure, rest and stress.	
122795	PET Myocardial Viability, Rest only	Positron Emission Tomography Myocardial Viability procedure, rest only.	
122796	PET Myocardial Viability, Stress only	Positron Emission Tomography Myocardial Viability procedure, stress only.	
122797	PET Myocardial Viability, Rest and Stress	Positron Emission Tomography Myocardial Viability procedure, rest and stress.	
122799	Anginal Equivalent	Group of symptoms heralding angina pectoris that does not include chest pain (dyspnea, diaphoresis, profuse vomiting in a diabetic patient, or arm or jaw pain).	
123001	*Radiopharmaceutical*	*Active ingredient (molecular) used for radioactive tracing.*	*Retired.* *Replaced by (417881006, SCT, "Radiopharmaceutical agent").*
123003	Radiopharmaceutical Start DateTime	DateTime of radiopharmaceutical administration to the patient for imaging purposes.	
123004	Radiopharmaceutical Stop DateTime	Ending DateTime of radiopharmaceutical administration to the patient for imaging purposes.	
123005	Radiopharmaceutical Volume	Volume of radiopharmaceutical administered to the patient.	
123006	Radionuclide Total Dose	Total amount of radionuclide administered to the patient at Radiopharmaceutical Start Time.	
123007	Radiopharmaceutical Specific Activity	Activity per unit mass of the radiopharmaceutical at Radiopharmaceutical Start Time.	
123009	Radionuclide Syringe Counts	Pre-injection syringe acquisition count rate.	
123010	Radionuclide Residual Syringe Counts	Syringe acquisition count rate following patient injection.	
123011	Contrast/Bolus Agent	Contrast or bolus agent.	
123012	Pre-Medication	Medication to be administered at the beginning of the Scheduled Procedure Step.	
123014	Target Region	Anatomic Region to be imaged.	
123015	Imaging Direction	Direction of imaging (includes view, transducer orientation, patient orientation, and/or projection).	
123016	Imaging Conditions	Imaging condition for refinement of protocol (includes secondary posture, instruction, X-Ray / electron beam energy or nuclide, and ultrasound modes), as used in JJ1017 v3.0.	
123019	Caudal 10 degree distal-cranioproximal oblique	Caudal 10 degree distal-cranioproximal oblique radiographic projection, defined per Smallwood et al.	

Code Value	Code Meaning	Definition	Notes
123101	Neighborhood Analysis	Surface processing utilizing predefined weighting factors (i.e., kernels) applied to different data values depending on their location relative to other data values within the data domain. Includes Low Pass, High Pass, Gaussian, Laplacian, etc.	
123102	Adaptive Filtering	Surface processing applied non-uniformly utilizing a priori knowledge of the system and/or relative locations of the data values within the data domain. Example: Neighborhood analysis where weighting factors are modified continuously based on predefined criteria.	
123103	Edge Detection	Surface processing through the exploitation of discontinuities in the data values within their domain. Includes Gradient filters.	
123104	Morphological Operations	Surface processing based on the connectivity of values based on the shape or structure of the data values within their domain. Includes erode, dilate, etc.	
123105	Histogram Analysis	Surface processing applied to the distribution of the data values. Includes thresholding, Bayesian Classification, etc.	
123106	Multi-Scale/Resolution Filtering	Surface processing accomplished through varying the data domain size. Include deformable models.	
123107	Cluster Analysis	Surface processing accomplished by combining data values based on their relative location within their domain or value distribution. Includes K- and C-means, Fuzzy Analysis, Watershed, Seed Growing, etc.	
123108	Multispectral Processing	Surface processing accomplished through the weighted combination of multiple sets of data. Includes Principle Component Analysis, linear and non-linear weighed combinations, etc.	
123109	Manual Processing	Surface processing accomplished through human interaction. Region drawing.	
123110	Artificial Intelligence	Surface processing using Artificial Intelligence techniques, such as Machine Learning, Neural Networks, etc.	
123111	Deformable Models	Surface processing using Deformable Model techniques, such as Point Distribution Models, Level Sets, Simplex Meshes, etc.	
125000	OB-GYN Ultrasound Procedure Report	Document Title of OB-GYN procedure report.	
125001	Fetal Biometry Ratios	Report section for assessment of fetal growth using ratios and indexes.	
125002	Fetal Biometry	Report section for assessment of fetal growth.	
125003	Fetal Long Bones	Report section for assessment of fetal growth by long bone measurements.	
125004	Fetal Cranium	Report section for assessment of fetal cranium growth.	
125005	Biometry Group	Biometric assessment of.	
125006	Biophysical Profile	Report section for assessment of biophysical observations that evaluate fetal well-being according to Manning, Antepartum Fetal Evaluation: Development of a Fetal Biophysical Profile Score, Am. J Obstet Gynecol, 1980;136:787.	

Code Value	Code Meaning	Definition	Notes
125007	Measurement Group	A grouping of related measurements and calculations that share a common context.	
125008	Fetus Summary	Report section for fetus specific procedure summary observations.	
125009	Early Gestation	Report section for assessment of early gestation fetus.	
125010	Identifier	A name to differentiate between multiple instances of some item.	
125011	Pelvis and Uterus	Report section for assessment of pelvis and uterus.	
125012	Growth Percentile rank	The rank of a measured growth indicator relative to a normal distribution expressed as a percentage.	
125013	Growth Z-score	The rank of a measured growth indicator relative to a normal distribution expressed as the dimensionless quantity z = (x-m) /s where (x-m) is the deviation of the value x, from the distribution mean, m, and s is the standard deviation of the distribution.	
125015	Fetus Characteristics	Fetus characteristics (findings section title).	
125016	Fetal Measurements	Fetal Measurements (findings section title).	
125021	Frame of Reference Identity	There is a defined equivalence between the Frame of Reference of the Registration SOP instance and the Frame of Reference of the referenced images.	
125022	Fiducial Alignment	The registration is based on fiducials that represent patient or specimen features identified in each set of data.	
125023	Acquisition Equipment Alignment	Registration based on a-priori knowledge of the acquisition geometry. This is not an object registration as in fiducial registration. Rather, it specifies a known spatial relationship.	
125024	Image Content-based Alignment	Computed registration based on global image information.	
125025	Visual Alignment	Registration by visually guided manipulation.	
125030	Inter-Hemispheric Plane	A plane fiducial that specifies the location of the plane separating the two hemispheres of the brain.	
125031	Right Hemisphere Most Anterior	A point fiducial that specifies the location in the plane perpendicular to the Anterior- Posterior-Commissure axis and tangential to the anterior limit of the right brain hemisphere.	
125032	Right Hemisphere Most Posterior	A point fiducial that specifies the location in the plane perpendicular to the Anterior- Posterior-Commissure axis and tangential to the posterior limit of the right brain hemisphere.	
125033	Right Hemisphere Most Superior	A point fiducial that specifies the location in the plane perpendicular to the Anterior- Posterior-Commissure axis and tangential to the superior limit of the right brain hemisphere.	
125034	Right Hemisphere Most Inferior	A point fiducial that specifies the location in the plane perpendicular to the Anterior- Posterior-Commissure axis and tangential to the inferior limit of the Right brain hemisphere.	

Code Value	Code Meaning	Definition	Notes
125035	Left Hemisphere Most Anterior	A point fiducial that specifies the location in the plane perpendicular to the Anterior- Posterior-Commissure axis and tangential to the anterior limit of the left brain hemisphere.	
125036	Left Hemisphere Most Posterior	A point fiducial that specifies the location in the plane perpendicular to the Anterior- Posterior-Commissure axis and tangential to the posterior limit of the left brain hemisphere.	
125037	Left Hemisphere Most Superior	A point fiducial that specifies the location in the plane perpendicular to the Anterior- Posterior-Commissure axis and tangential to the superior limit of the left brain hemisphere.	
125038	Left Hemisphere Most Inferior	A point fiducial that specifies the location in the plane perpendicular to the Anterior- Posterior-Commissure axis and tangential to the inferior limit of the left brain hemisphere.	
125040	Background	That which is not part of an object.	E.g., background of an image (that which might be encoded with Pixel Padding Value, or a Segmentation Property Type.
125041	Registration Input	A segment for use as an input to an image registration process. E.g., to specify the bounding region for determining a Frame of Reference Transformation Matrix.	
125100	Vascular Ultrasound Procedure Report	Root Document Title for ultrasound vascular evidence reports (worksheets).	
125101	Vessel Branch	The particular vessel branch, such as the inferior, medial or lateral.	
125102	Graft Type	A descriptor or elaboration of the type of graft.	
125105	Measurement Orientation	A modifier to a 2D distance measurement to describe its orientation. E.g., a vascular distance measurement for a vessel plague could have a modifier Transverse or Longitudinal.	
125106	Doppler Angle	The angle formed between the Doppler beam line and the direction of blood flow within a region of interest in the body defined by the sample volume.	
125107	Sample Volume Depth	The depth of the center of the Doppler sample volume measured from skin line along the Doppler line.	
125195	Pediatric Cardiac Ultrasound Report	Pediatric Cardiac Ultrasound Report (document title).	
125196	Fetal Cardiac Ultrasound Report	Fetal Cardiac Ultrasound Report (document title).	
125197	Adult Congenital Cardiac Ultrasound Report	Adult Congenital Cardiac Ultrasound Report (document title).	
125200	Adult Echocardiography Procedure Report	Document title of adult echocardiography procedure (evidence) report.	
125201	Illustration of Finding	An image that is a pictorial representation of findings. The concept is typically used as a purpose of reference to an image, such as a depiction of myocardium segments depicting wall motion function.	
125202	LV Wall Motion Score Index	The average of all scored (non-zero) Left Ventricle segment wall motion scores.	

Code Value	Code Meaning	Definition	Notes
125203	Acquisition Protocol	A type of clinical acquisition protocol for creating images or image-derived measurements. Acquisition protocols may be specific to a manufacturer's product.	
125204	Area-length biplane	Method for calculating left ventricular volume from two orthogonal views containing the true long axis (usually the apical 4 and 2 chamber views). Volume = [pL_1 / 6] * [($4A_1$) ¸ (pL_1)] * [($4A_2$) ¸ (pL_2)].	
125205	Area-Length Single Plane	Method for calculating left ventricular volume from a view containing the true long axis (usually the apical 4-chamber view). Volume = [$8(A)^2$]¸[3pL].	
125206	Cube	Method (formula) for calculating left ventricle volumes and function derivatives (EF, SV, SI, etc.) that estimates the volume as the cube of diameter.	
125207	Method of Disks, Biplane	Method of calculating volume based on the summation of disk volumes. The disk axis is parallel to the left ventricular long axis and using a disk diameter averaged from the two chamber and four chamber views.	
125208	Method of Disks, Single Plane	Method of calculating volume based on the summation of disk volumes. The disk axis is parallel to the left ventricular long axis with disk diameter taken from the four-chamber view.	
125209	Teichholz	Method (formula) for calculating left ventricle volumes and function derivatives (EF, SV, SI, etc.) Volume = [7.0/(2.4+D)]*D^3.	
125210	Area by Pressure Half-Time	Mitral valve area (cm2) by Pressure Half-time = 220 (cm2.ms) / PHT (ms).	
125211	Biplane Ellipse	Area = P/4 X d1 X d2 d1 = anterior/posterior axis d2 = medial/lateral axis *Hagen-Ansert, Sandra L., Textbook of Diagnostic Ultrasound, ed. 3, The C.V.Mosby Co., 1989, p. 73.* .	
125212	Continuity Equation	For conduits in series ("in continuity"), volume flow is equal: A1*V1 = A2*V2. where V is the velocity.	
125213	Continuity Equation by Mean Velocity	For conduits in series ("in continuity"), volume flow is equal: A1*V1 = A2*V2. where V is the mean velocity.	
125214	Continuity Equation by Peak Velocity	For conduits in series ("in continuity"), volume flow is equal: A1*V1 = A2*V2. where V is the peak velocity.	
125215	Continuity Equation by Velocity Time Integral	For conduits in series ("in continuity"), volume flow is equal: A1*V1 = A2*V2. where V is the velocity time integral.	

Code Value	Code Meaning	Definition	Notes
125216	Proximal Isovelocity Surface Area	Utilizes aliasing velocity (by color Doppler) of flow into an orifice (often regurgitant or stenotic) to measure instantaneous flow rate, orifice area, and flow volume. The instantaneous flow rate = $(2\pi r^2 v_{av}) * (\alpha\pi)$ where v_{av} is the constant velocity known as aliasing velocity at radius r, v_p is the peak velocity at the orifice, and α is the angle in radians of the constant velocity surface. Estimated Orifice area = Flow rate / v_p , where v_p is the peak velocity at the orifice and the flow rate is the PISA peak flow rate. The volume flow is then the product of the orifice area and Velocity Time Integral.	
125217	Full Bernoulli	$\Delta P = 4*(V1^2 - V2^2)$.	
125218	Simplified Bernoulli	$\Delta P = 4*V2$.	
125219	Doppler Volume Flow	Volume flow = Conduit CSA * (Velocity Time Integral).	
125220	Planimetry	Direct measurement of an area by tracing an irregular perimeter.	
125221	Left Ventricle Mass by M-mode	Mass = $1.04 * [(ST+LVID+PWT)^3 - LVID^3] * 0.8+ 0.6$. Mass unit is grams and length in cm.	
125222	Left Ventricle Mass by Truncated Ellipse	Mass = $1.05P ((b + t)^2 X (2/3 (a + t) + d - d^3 /3(a + t)^2) - b^2 (2/3a + d - d^3 /3a^2))$ a = Semi-major axis from widest minor axis radius to apex. b = Short axis radius calculated from short axis cavity area t = Myocardial thickness calculated from short axis epicardial and cavity areas d = Truncated semi-major axis from widest short axis diameter to plane of mitral annulus. Mass unit is grams and length in cm. *Schiller NB et al: Recommendations for quantification of the left ventricle by two-dimensional echocardiography, American Society of Echocardiography 2:364, 1989.* .	
125223	4 Point Segment Finding Scale	A four point, echocardiographic numeric scoring scheme of myocardium segments based on evaluation of wall motion and ventricle morphology. *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, 2:358-367, 1989.	
125224	5 Point Segment Finding Scale	A five point, echocardiographic numeric scoring scheme of myocardium segments based on evaluation of wall motion and ventricle morphology. *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, 2:358-367, 1989.	

Code Value	Code Meaning	Definition	Notes
125225	5 Point Segment Finding Scale With Graded Hypokinesis	A five point, echocardiographic numeric scoring scheme of myocardium segments based on evaluation of wall motion and ventricle morphology, with severity of hypokinesis graded. *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, 2:358-367, 1989.	
125226	Single Plane Ellipse	Method of estimating volume from a planar ellipse. Equivalent to Biplane Ellipse with an assumption that the ellipse in the orthogonal plane has identical major and minor diameters.	
125227	Modified Simpson	Modified Simpson's Method of estimating ventricular volume, based on the method of disks with paired apical views. Schiller NB, et al. "Recommendations for quantitation of the left ventricle by two-dimensional echocardiography. American Society of Echocardiography Committee on Standards, Subcommittee on Quantitation of Two-Dimensional Echocardiograms". *J Am Soc Echocardiogr.*1989 2(5):358-367. Sep-Oct.	
125228	Bullet Method	Bullet method of estimating ventricular volume. Volume = 5/6 * L * S L: Left ventricle long axis length S: Left ventricle area, SAX view at level of Mitral Valve.	
125230	*Power Doppler*	*Color coded ultrasound images of blood flow, which depict the amplitude, or power, of Doppler signals.*	*Retired* *Replaced by (425704008, SCT, "Power Doppler")*
125231	*3D mode*	*Volumetric ultrasound imaging*	*Retired* *Replaced by (426865009, SCT, "3D mode")*
125233	Start of drug dose administration	Onset of administration of dose of a drug.	
125234	Start of contrast agent administration	Onset of contrast agent administration.	
125235	Destruction of microbubbles	Destruction of ultrasonic contrast microbubbles by a high-energy ultrasound pulse.	
125236	Onset of exercise	Instant at which exercise begins.	
125237	Cessation of exercise	Instant at which exercise ends.	
125238	Onset of stimulation	Instant at which stimulation begins.	
125239	Cessation of stimulation	Instant at which stimulation ends.	
125240	Line scan pattern	Ultrasound transducer scan pattern in which information is gathered along a line.	
125241	Plane scan pattern	Ultrasound transducer scan pattern in which information is gathered within a plane.	
125242	Volume scan pattern	Ultrasound transducer scan pattern in which information is gathered within a volume.	

Code Value	Code Meaning	Definition	Notes
125251	Non-imaging Doppler ultrasound transducer geometry	Ultrasound transducer geometry characterized by a single scan line used for PW or CW Doppler scanning.	
125252	Linear ultrasound transducer geometry	Ultrasonic transducer geometry characterized by parallel lines.	
125253	Curved linear ultrasound transducer geometry	Ultrasonic transducer geometry characterized by radial lines normal to the outside of a curved surface.	
125254	Sector ultrasound transducer geometry	Ultrasonic transducer geometry characterized by lines originating from a common apex.	
125255	Radial ultrasound transducer geometry	Ultrasonic transducer geometry characterized by lines emanating radially from a single point.	
125256	Ring ultrasound transducer geometry	Ultrasonic transducer geometry characterized by a circular ring of transducer elements.	
125257	Fixed beam direction	Ultrasonic steering technique consisting of a single beam normal to the transducer face steered by the orientation of the probe.	
125258	Mechanical beam steering	Ultrasonic steering technique consisting of mechanically directing the beam.	
125259	Phased beam steering	Ultrasonic steering technique consisting of electronically-steered beams.	
125261	External Transducer	Transducer is designed to be placed onto the surface of the subject.	
125262	Transesophageal Transducer	Transducer is designed for insertion into the esophagus.	
125263	Endovaginal Transducer	Transducer is designed for insertion into the vagina.	
125264	Endorectal Transducer	Transducer is designed for insertion into the rectum.	
125265	Intravascular Transducer	Transducer is designed for insertion via a catheter.	
125270	Left Ventricle Mass by Area Length	method to measure the mass of the Left Ventricle via the ASE area-length method at end diastole. LV Mass = 1.05*(5/6*(A1*(L+t)) - 5/6*(A2*L)) A1 = Left Ventricle epicardial SAX area at the level of the papillary muscle tips at end diastole. A2 = Left Ventricle endocardial SAX area cavity area at the level of the papillary muscle tips at end diastole. L = Left Ventricle apical view long axis length at end diastole. t = Myocardial thickness can be computed as: t = sqrt (A1/3.14) - sqrt (A2/3.14) Reference: 1) Schiller, N.B., et al. "Recommendations for Quantification of the LV by Two-dimensional Echocardiography." J Am Soc Echo, Vol. 2, No. 5: 358-367, Sep-Oct 1989. 2) Reichek, N., et al. "Anatomic Validation of Left Ventricular Mass Estimates from Clinical Two-dimensional Echocardiography: Initial Results." Circulation, Vol. 67, No. 2: 348-52, February 1983.	

Code Value	Code Meaning	Definition	Notes
125271	Left Ventricle Mass by M-mode - adjusted by Height	Equation = Left Ventricle Mass by M-mode (in gram) / (Height (in meter)) ^2.7 Reference: Giovanni De Simone, et al. "Effect of Growth on Variability of Left Ventricular Mass: Assessment of Allometric Signals in Adults and Children and Their Capacity to Predict Cardiovascular Risk". New York, New York and Cincinnati, Ohio.	
125272	Left Ventricle Mass by Truncated Ellipse - adjusted by Height	Equation = Left Ventricle Mass by Truncated Ellipse / Height^2.7 Reference: Giovanni De Simone, et al. "Effect of Growth on Variability of Left Ventricular Mass: Assessment of Allometric Signals in Adults and Children and Their Capacity to Predict Cardiovascular Risk". New York, New York and Cincinnati, Ohio.	
125273	Left Ventricle Mass by Area Length - adjusted by Height	Equation = Left Ventricle Mass by Area Length / Height^2.7 Reference: Giovanni De Simone, et al. "Effect of Growth on Variability of Left Ventricular Mass: Assessment of Allometric Signals in Adults and Children and Their Capacity to Predict Cardiovascular Risk". New York, New York and Cincinnati, Ohio.	
125301	Pre-coordinated Measurements	Measurements that are described by a single pre-coordinated code.	
125302	Post-coordinated Measurements	Measurements that are described by a collection of (generally atomic) post-coordinated codes.	
125303	Adhoc Measurements	Measurements taken in an ad hoc fashion without any coordinated semantics.	
125304	Untrackable Measurement	The source system of the measurement does not maintain a persistent pre-coordinated code by which different instances of the measurement can be associated and tracked over multiple procedures.	
125305	Finding Observation Type	The type of observation made at the finding site, e.g., whether it is an observation of the structure of the finding site, an observation of the behavior of the finding site, or an observation of the blood flow at the finding site.	
125306	Measurement Type	The type of derivation used to obtain the measurement value. E.g. whether it is taken directly, formed as a ratio, normalized against an index, or calculated using a more elaborate equation.	
125307	Measured Property	The property that is being measured. Examples include mass, diameter, peak blood velocity.	
125308	Measurement Divisor	The measurement which is the denominator of a measurement that is divided. This applies to measurements such as ratios or indexed values.	

Code Value	Code Meaning	Definition	Notes
125309	Short Label	A brief label, suitable for display on a screen or report. (Not suitable for matching).	
125310	Staged Measurements	Measurements that need to be associated with a specific stage in a procedure or acquisition protocol.	
125311	Structure of the Finding Site	The subject of a measurement is the physical structure of the Finding Site, such as the mass or diameter.	
125312	Behavior of the Finding Site	The subject of a measurement is the behavior of the Finding Site, such as the velocity or duration of motion.	
125313	Indexed	The measurement has been normalized by dividing it by an index value (such as Body Surface Area).	
125314	Fractional Change	The measurement is a change value expressed as a fraction of its baseline value. E.g. cardiac ejection fraction or fractional shortening.	
125315	Calculated	The measurement is calculated by incorporating one or more measured values into an equation other than a ratio, fractional change or indexed calculation.	
125316	Directly measured	The measurement is a direct output of the measurement tool.	
125317	Right Ventricle Outflow Tract, Distal	The distal portion (at the Pulmonic Valve) of the Right Ventricle Outflow Tract.	
125318	Right Ventricle Outflow Tract, Proximal	The proximal portion (subvalvular) of the Right Ventricle Outflow Tract.	
125319	Right Ventricle Anterior Wall	The anterior wall of the right ventricle of the heart.	
125320	Electromechanical Delay	The period of time between the onset of muscle activation and the onset of force or motion.	
125321	Pre-ejection Period	The period between onset of ventricular contraction and the beginning of antegrade blood flow out of the ventricle.	
125322	Atrial Diastolic Filling (D-wave)	The period of atrial diastolic filling.	
125323	AR-wave	The period of retrograde flow into the pulmonary vein during atrial contraction.	
125324	Full Cardiac Cycle	The period of the entire cardiac cycle. E.g. from End Systole of one heartbeat to End Systole of the next heartbeat.	
125325	Dyssynchrony Index	The standard deviation over 12 left ventricle myocardial segments of the time to peak myocardial sustained systolic velocity of each segment. See Yu, et al., Circulation, 2002; 105: 438-445	
125326	Effective Orifice Area	The effective area of an orifice (such as the mitral valve orifice) during bloodflow through the orifice.	
125327	Excursion Distance	The distance traversed by some tissue over a defined period.	
125328	Maximum Orifice Area	The maximum area of an orifice opening over a defined period.	
125329	Peak Blood Pressure	The peak pressure of blood over a defined period at a defined location.	
125330	Peak Tissue Velocity	The peak velocity of some tissue over a defined period	

Code Value	Code Meaning	Definition	Notes
125331	PISA Radius	The radius of the proximal isovelocity surface area (PISA) of fluid flow approaching an orifice. It is commonly used to evaluate cardiac valve regurgitation.	
125332	Regurgitation Jet Area	A cross-sectional area of a regurgitation jet, taken perpendicular to the primary flow.	
125333	Regurgitation Jet Width	A width of a regurgitation jet taken perpendicular to the primary flow.	
125334	Vena Contracta Width	The width of the vena contracta of a fluid flow.	
125901	CARDIOsphere	CARDIOsphere™ ultrasonic contrast agent produced by POINT Biomedical.	
125902	Echovist	Echovist® ultrasonic contrast agent produced by Schering AG.	
125903	Imagify	Imagify™ ultrasonic contrast agent produced by Accusphere Inc.	
125904	Levovist	Levovist® ultrasonic contrast agent produced by Schering AG.	
125905	Sonazoid	Sonazoid™ ultrasonic contrast agent produced by Daiichi Pharmaceutical / General Electric.	
125906	SonoVue	SonoVue™ ultrasonic contrast agent produced by Bracco Diagnostics.	
125907	Targestar-B	Targestar™-B ultrasonic contrast agent produced by Targeson LLC.	
125908	Targestar-P	Targestar™-P ultrasonic contrast agent produced by Targeson LLC.	
126000	Imaging Measurement Report	A structured report containing the quantitative results of human or machine analysis of images.	
126001	Oncology Measurement Report	A structured report containing the quantitative results of human or machine analysis of images for oncology evaluation.	
126002	Dynamic Contrast MR Measurement Report	A structured report containing the quantitative results of human or machine analysis of DCE-MR.	
126003	PET Measurement Report	A structured report containing the quantitative results of human or machine analysis of PET images.	
126010	Imaging Measurements	Measurements made on images	
126011	Derived Imaging Measurements	Measurements derived from measurements made on images.	
126020	Multiparametric MRI	An MRI procedure in which multiple parameters including diffusion, dynamic contrast and T2 are measured.	
126021	Multiparametric MRI of prostate	An MRI procedure of the prostate in which multiple parameters including diffusion, dynamic contrast and T2 are measured.	
126022	Multiparametric MRI of whole body	An MRI procedure of the whole body in which multiple parameters including diffusion, dynamic contrast and T2 are measured.	
126030	Sum of segmented voxel volumes	The volume derived by summing the volumes of all the voxels (and partial voxels if the segment contains partially occupied voxels) included in the segment	

Code Value	Code Meaning	Definition	Notes
126031	Peak Value Within ROI	Maximum average gray value that is calculated from a 1 cubic centimeter sphere placed within the region of interest. See Wahl RL, Jacene H, Kasamon Y, Lodge MA. From RECIST to PERCIST: Evolving Considerations for PET Response Criteria in Solid Tumors. Journal of Nuclear Medicine. 2009;50(Suppl 1):122S - 150S.	
126032	Metabolic Volume	The volume of a lesion (e.g., a tumor) ascertained through information about its metabolic activity (e.g., SUV on PET). Abbreviated "MV". Synonymous with Metabolic Tumor Volume (MTV).	
126033	Total Lesion Glycolysis	The total activity of a lesion obtained as the product of its volume and its glycolytic activity (on FDG-PET). The volume may be defined on the same modality (e.g., the MV on FDG-PET by some thresholding or other technique) or on another spatially registered modality (e.g., the lesion outline segmented on CT or MR). Does not apply to other radiopharmaceuticals than those involved in glucose metabolism. Abbreviated TLG. Synonymnous with "Tumor Lesion Glycolysis".	
126034	Glycolysis	The amount glycolytic activity summed across all voxels in a defined region or within a defined range of SUV (on FDG-PET).	
126035	Total Lesion Proliferation	The total activity of a lesion obtained as the product of its volume and its proliferative activity (on FLT-PET). The volume may be defined on the same modality (e.g., the MV on FDG-PET by some thresholding or other technique) or on another spatially registered modality (e.g., the lesion outline segmented on CT or MR). Does not apply to other radiopharmaceuticals than those involved in cellular proliferation. Abbreviated TLP. Synonymnous with "Tumor Lesion Proliferation".	
126036	Proliferative Activity	The amount proliferative activity summed across all voxels in a defined region or within a defined range of SUV (on FLT-PET).	

Code Value	Code Meaning	Definition	Notes
126037	Standardized Added Metabolic Activity (SAM)	A background-corrected, partial volume independent version of TLG. SAM is calculated by drawing a volume of interest (VOI1) around the tumour and a larger VOI (VOI2) around VOI1. Subtracting the background activity in VOI2-VOI1 from VOI1 yields SAM. See Mertens et al. "Standardized added metabolic activity (SAM): a partial volume independent marker of total lesion glycolysis in liver metastases". Eur J Nucl Med Mol Imaging (2012) 39:1441-1448.	
126038	Standardized Added Metabolic Activity (SAM) Background	The background value (VOI2-VOI1) used to calculate Standardized Added Metabolic Activity (SAM). SAM is calculated by drawing a volume of interest (VOI1) around the tumour and a larger VOI (VOI2) around VOI1. Subtracting the background activity in VOI2-VOI1 from VOI1 yields SAM. See Mertens et al. "Standardized added metabolic activity (SAM): a partial volume independent marker of total lesion glycolysis in liver metastases". Eur J Nucl Med Mol Imaging (2012) 39:1441-1448.	
126039	Lesion to Background SUV Ratio	The ratio of the SUV within a tumor to the SUV of a pre-defined background region. A more general concept than Tumor to Background Ratio (TBR).	
126040	Background for Lesion to Background SUV Ratio	The SUV of a pre-defined background region used to compute Lesion to Background SUV Ratio.	
126050	Fractal Dimension	A statistical index of complexity comparing how detail in a fractal pattern changes with the scale at which it is measured; a ratio of the change in detail to the change in scale.	
126051	Skewness	Measure of the asymmetry of the probability distribution of a real-valued random variable about its mean.	
126052	Kurtosis	Measure of the peakedness of the probability distribution of a real-valued random variable.	
126060	*Joint Entropy of GLCM*	*The zero order entropy of a Gray Level Co-occurrence Matrix (GLCM). A measure of disorder. Abbreviated ENT.* *See $F_{cm.joint.entr}$ in [IBSI Features].*	*Retired.* *Replaced by (TU9B, IBSI, "Joint Entropy of GLCM").*
126061	Root Angular Second Moment of GLCM	The square root of the Angular Second Moment (ASM) of a Gray Level Co-occurrence Matrix (GLCM). A measure of orderliness. See http://www.fp.ucalgary.ca/mhallbey/equations.htm.	Sometimes referred to as "energy", "uniformity" or "uniformity of energy" but then potentially confused with ASM. Not defined in [IBSI Features]

Code Value	Code Meaning	Definition	Notes
126062	*Inverse Difference Moment of GLCM*	*The Inverse Difference Moment (homogeneity) of a Gray Level Co-occurrence Matrix (GLCM). Abbreviated IDM.* *See $F_{cm.inv.diff.mom}$ in [IBSI Features].*	*Other concepts are sometimes referred to as "homogeneity", e.g., the "inverse difference", which is calculated from the absolute value of differences rather than square of them.* *Retired.* *Replaced by (WF0Z, IBSI, "Inverse Difference Moment of GLCM").*
126063	*Contrast of GLCM*	*The sum of squares of a Gray Level Co-occurrence Matrix (GLCM). A measure of gray level variations. Abbreviated CON.* *See $F_{cm.contrast}$ in [IBSI Features].*	*Distinct from "joint (sum of squares) variance" and "dissimilarity".* *Retired.* *Replaced by (ACUI, IBSI, "Contrast of GLCM").*
126064	*Dissimilarity of GLCM*	*The dissimilarity of a Gray Level Co-occurrence Matrix (GLCM). Abbreviated DIS.* *See $F_{cm.dissimilarity}$ in [IBSI Features].*	*Distinct from "contrast", which uses square rather than absolute value of difference.* *Retired.* *Replaced by (8S9J, IBSI, "Dissimilarity of GLCM").*
126065	*Angular Second Moment of GLCM*	*The Angular Second Moment of a Gray Level Co-occurrence Matrix (GLCM). Abbreviated ASM.* *See $F_{cm.energy}$ in [IBSI Features].*	*Sometimes referred to as "energy", "uniformity" or "uniformity of energy" but then potentially confused with square root of ASM.* *Retired.* *Replaced by (8ZQL, IBSI, "Angular Second Moment of GLCM").*
126066	*Correlation of GLCM*	*A measure of the linear dependency of gray levels on those of neighbouring pixels of a Gray Level Co-occurrence Matrix (GLCM). Abbreviated COR.* *See $F_{cm.corr}$ in [IBSI Features].*	*Correlation is NaN for a constant image.* *Retired.* *Replaced by (NI2N, IBSI, "Correlation of GLCM").*
126067	Gray Level Co-occurrence Matrix	A tabulation of how often different combinations of pixel values (gray levels) occur in an image. Abbreviated GLCM. See [IBSI Features].	
126070	Subject Time Point Identifier	An identifier of a specific time point in a continuum, which is unique within an appropriate local context (such as an entire organization, system or treatment protocol), which identifies the time point for a specific patient.	

Code Value	Code Meaning	Definition	Notes
126071	Protocol Time Point Identifier	An identifier of a specific time point in a continuum, which is unique within an appropriate local context (such as an entire organization, system or treatment protocol), which identifies the time point "slot" within a treatment protocol using the same value for all patients in the protocol.	
126072	Time Point Type	A pre-defined type of a specific time point in a continuum.	
126073	Time Point Order	A number indicating the order of a time point relative to other time points in the same continuum.	
126074	Posttreatment	The time after the treatment of interest.	
126075	Eligibility	For the purpose of determining eligibility for a protocol.	Similar but not identical to (21954-3, LN, "Protocol eligibility status Cancer"), since not constrained to cancer, etc.
126080	RECIST 1.0	Response Evaluation Criteria in Solid Tumors version 1.0. See [RECIST] in Normative References.	More specific than (112022, DCM, "RECIST") or (C1709926, UMLS, "RECIST") or (C49164, NCIt, "RECIST") in that a specific version is specified.
126081	RECIST 1.1	Response Evaluation Criteria in Solid Tumors Version 1.1. See Eisenhauer et al. "New Response Evaluation Criteria in Solid Tumours: Revised RECIST Guideline (version 1.1)." European Journal of Cancer 45, no. 2 (n.d.): 228-47. doi:10.1016/j.ejca.2008.10.026.	More specific than (112022, DCM, "RECIST") or (C1709926, UMLS, "RECIST") or (C49164, NCIt, "RECIST") in that a specific version is specified.
126100	Real World Value Map used for measurement	A reference to the Real World Value Map applied to the stored image pixel values before their use for a measurement	
126200	Image Library Group	A container that groups common information about a set of images used as evidence to produce a report.	
126201	Acquisition Date	The date the acquisition of data started	
126202	Acquisition Time	The time the acquisition of data started	
126203	PET Radionuclide Incubation Time	The time between the start of injection of the PET radionuclide and the start of acquisition of the PET data.	
126220	R2-Coefficient	Coefficient of determination, R^2. An indication of goodness of fit.	
126221	Chi-square	Pearson's X^2 test.	
126222	D-W	Durbin-Watson statistic for detecting serial correlation in residuals. See http://en.wikipedia.org/wiki/Durbin%E2%80%93Watson_statistic.	
126223	AIC	Akaike information criterion. A measure of the balance between goodness of fit and number of free parameters. See Akaike H. A new look at the statistical model identification. IEEE Transactions on Automatic Control. 1974 Dec;19(6):716-23. http://dx.doi.org/10.1109/TAC.1974.1100705.	

Code Value	Code Meaning	Definition	Notes
126224	BIC	Bayesian information criterion. A measure of the balance between goodness of fit and model complexity. See http://en.wikipedia.org/wiki/Bayesian_information_criterion.	
126300	Perfusion analysis by Stable Xenon CT technique	Perfusion analysis by Stable Xenon CT technique	
126301	Perfusion analysis by IV Iodinated Contrast CT technique	Perfusion analysis by IV Iodinated Contrast CT technique	
126302	Perfusion analysis by Arterial Spin Labeling MR technique	Perfusion analysis by Arterial Spin Labeling (ASL) MR technique	
126303	Perfusion analysis by Susceptibility MR technique	Perfusion analysis by Susceptibility (T2*) MR technique	
126310	Least Mean Square (LMS) deconvolution	Least Mean Square (LMS) deconvolution	
126311	Singular Value Decomposition (SVD) deconvolution	Singular Value Decomposition (SVD) deconvolution	
126312	Ktrans	K^{trans}, the volume transfer constant of a tracer diffusion kinetic model, specifically the volume transfer constant between blood plasma and extravascular extracellular space (EES) See Tofts et al, "Estimating Kinetic Parameters From Dynamic Contrast-Enhanced T1-Weighted MRI of a Diffusable Tracer: Standardized Quantities and Symbols", Journal of Magnetic Resonance Imaging, vol. 10, pp. 223-232, 1999.	
126313	kep	k_{ep}, the rate constant between extravascular extracellular space (EES) and blood plasma See Tofts et al, "Estimating Kinetic Parameters From Dynamic Contrast-Enhanced T1-Weighted MRI of a Diffusable Tracer: Standardized Quantities and Symbols", Journal of Magnetic Resonance Imaging, vol. 10, pp. 223-232, 1999.	
126314	ve	v_e, the fractional (not absolute) volume of extravascular extracellular space (EES) per unit volume of tissue See Tofts et al, "Estimating Kinetic Parameters From Dynamic Contrast-Enhanced T1-Weighted MRI of a Diffusable Tracer: Standardized Quantities and Symbols", Journal of Magnetic Resonance Imaging, vol. 10, pp. 223-232, 1999.	
126320	IAUC	The initial area under the contrast agent concentration-time curve	
126321	IAUC60	The initial area under the contrast agent concentration-time curve at 60 seconds after the onset time	
126322	IAUC90	The initial area under the contrast agent concentration-time curve at 90 seconds after the onset time	

Code Value	Code Meaning	Definition	Notes
126323	IAUC180	The initial area under the contrast agent concentration-time curve at 180 seconds after the onset time	
126324	IAUCBN	The initial area under the contrast agent concentration-time curve, normalized with the corresponding arterial input function, such that $IAUC_{BN}$ = IAUC / $IAUC_{AIF}$.	
126325	IAUCBN60	The initial area under the contrast agent concentration-time curve at 60 seconds after the onset time, normalized with the corresponding arterial input function, such that $IAUC60_{BN}$ = IAUC60 / $IAUC60_{AIF}$.	
126326	IAUCBN90	The initial area under the contrast agent concentration-time curve at 90 seconds after the onset time, normalized with the corresponding arterial input function, such that $IAUC90_{BN}$ = IAUC90 / $IAUC90_{AIF}$.	
126327	AUCBN180	The initial area under the contrast agent concentration-time curve at 180 seconds after the onset time, normalized with the corresponding arterial input function, such that $IAUC180_{BN}$ = IAUC180 / $IAUC180_{AIF}$.	
126330	tau_m	τ_m. The mean intracellular water lifetime (τ_i). Used in the Shutter-Speed Model (SSM) of tracer kinetics.	
126331	vp	v_p. The fractional (not absolute) blood plasma volume per unit volume of tissue. See Tofts et al, "Estimating Kinetic Parameters From Dynamic Contrast-Enhanced T1-Weighted MRI of a Diffusable Tracer: Standardized Quantities and Symbols", Journal of Magnetic Resonance Imaging, vol. 10, pp. 223-232, 1999.	
126340	Standard Tofts Model	A tracer diffusion kinetic model in which the permeability is assumed to be isodirectional. See P. Tofts, "Modeling tracer kinetics in dynamic Gd-DTPA MR imaging", Journal of Magnetic Resonance Imaging, vol. 7, pp. 91-101, 1997. Mathematically equivalent to the model proposed by Kety in a non-MRI context, hence sometimes refered to as the Tofts-Kety (TK) model. See Kety SS. The Theory and Applications of the Exchange of Inert Gas at the Lungs and Tissues. Pharmacological Reviews. 1951 Mar 1;3(1):1-41.	
126341	Extended Tofts Model	A tracer diffusion kinetic model in which the permeability is not assumed to be isodirectional, and which includes the contribution of tracer in the blood plasma to the total tissue concentration. See P. Tofts, "Modeling tracer kinetics in dynamic Gd-DTPA MR imaging", Journal of Magnetic Resonance Imaging, vol. 7, pp. 91-101, 1997.	
126342	Model-free concentration-time quantitification	A semiquantitative analysis of the contrast-enhancement concentration versus time curve that avoids the use of a pharmacokinetic model. E.g., integration to compute the initial area under the curve.	

Code Value	Code Meaning	Definition	Notes
126343	First Pass Leakage Profile (FPLP) Model	A tracer diffusion kinetic model that accounts for the tumor leakage profile during the first pass of contrast. See Li, Ka-Loh, Xiao Ping Zhu, John Waterton, and Alan Jackson. "Improved 3D Quantitative Mapping of Blood Volume and Endothelial Permeability in Brain Tumors." Journal of Magnetic Resonance Imaging 12, no. 2 (2000): 347-357. doi:10.1002/1522-2586(200008)12: 2<347::AID-JMRI19>3.0.CO;2-7.	
126344	Shutter-Speed Model (SSM)	A tracer diffusion kinetic model that does not assume that intercompartmental water molecule exchange is infinitely fast. See Li, Xin, Wei Huang, Thomas E. Yankeelov, Alina Tudorica, William D. Rooney, and Charles S. Springer. "Shutter-Speed Analysis of Contrast Reagent Bolus-Tracking Data: Preliminary Observations in Benign and Malignant Breast Disease." Magnetic Resonance in Medicine 53, no. 3 (2005): 724-29. doi:10.1002/mrm.20405.	
126345	Gamma Capillary Transit Time (GCCT) Model	A tracer diffusion kinetic model that mathematically unifies the Tofts, Extended Tofts, Adiabatic Tissue Homogeneity, and Two Compartment Exchange models See Schabel MC. A unified impulse response model for DCE-MRI. Magnetic Resonance in Medicine. 2012;68(5):1632-46. doi:10.1002/mrm.24162.	
126346	Adiabatic Tissue Homogeneity (ATH) Model	An adiabatic approximation to the tissue homogeneity tracer diffusion kinetic model, which assumes that the tracer concentration in parenchymal tissue changes slowly relative to that in capillaries. See St. Lawrence KS, Lee T-Y. An Adiabatic Approximation to the Tissue Homogeneity Model for Water Exchange in the Brain: I. Theoretical Derivation. J Cereb Blood Flow Metab. 1998 Dec;18(12):1365-77. doi:10.1097/00004647-199812000-00011.	
126347	Two Compartment Exchange (2CX) Model	A tracer diffusion kinetic that incorporates the extracellular space of the lesion as a peripheral compartment, connected to the central (plasma) compartment by linear exchange processes in both directions. See Brix G, Semmler W, Port R, Schad LR, Layer G, Lorenz WJ. Pharmacokinetic Parameters in CNS Gd-DTPA Enhanced MR Imaging. Journal of Computer Assisted Tomography. 1991;15(4):621-8.	
126350	T1 by Multiple Flip Angles	T1 measurement by Multiple Flip Angles (MFA) (variable saturation) method	
126351	T1 by Inversion Recovery	T1 measurement by Inversion Recovery (IR) method	
126352	T1 by Fixed Value	Calculation was performed using a fixed value of T1 rather than a measured value. The value could be encoded as the value of (126353, DCM, "T1 Used For Calculation").	
126353	T1 Used For Calculation	The fixed value of T1 used for a calculation.	

Code Value	Code Meaning	Definition	Notes
126360	AIF Ignored	No Arterial Input Function was used.	
126361	Population Averaged AIF	A population-averaged Arterial Input Function.	
126362	User-defined AIF ROI	An Arterial Input Function computed from a user-defined Region of Interest.	
126363	Automatically Detected AIF ROI	An Arterial Input Function computed from an automatically detected Region of Interest.	
126364	Blind Estimation of AIF	A data-driven blind source separation (BSS) algorithm that estimates AIF from individuals without any presumed AIF model and initialization. See Lin, Yu-Chun, Tsung-Han Chan, Chong-Yung Chi, Shu-Hang Ng, Hao-Li Liu, Kuo-Chen Wei, Yau-Yau Wai, Chun-Chieh Wang, and Jiun-Jie Wang. "Blind Estimation of the Arterial Input Function in Dynamic Contrast-Enhanced MRI Using Purity Maximization." Magnetic Resonance in Medicine 68, no. 5 (November 1, 2012): 1439-49. doi:10.1002/mrm.24144.	
126370	Time of Peak Concentration	The time at which the concentration-time curve achieves its peak for the first time. Used as a concept name for a value or as a method. E.g., used as a method of calculation for BAT. See Shpilfoygel Med Phys 2008. doi:10.1118/1.1288669.	
126371	Bolus Arrival Time	The nominal time at which arrival of a contrast bolus is detected, which is used as a reference point for subsequent calculations. Used as a concept name for a value or as a method. No specific computational method is implied by this general definition. Abbreviated BAT.	
126372	Time of Leading Half-Peak Concentration	The time at which the concentration-time curve achieves half of its peak density for the first time. Used as a concept name for a value or as a method. E.g., used as a method of calculation for BAT. See Shpilfoygel Med Phys 2008. doi:10.1118/1.1288669.	
126373	Temporal Derivative Exceeds Threshold	A method of determining BAT that involves computing the temporal derivative of the concentration-time curve and selecting the time when the temporal derivative exceeds a specified threshold. See Shpilfoygel Med Phys 2008. doi:10.1118/1.1288669.	
126374	Temporal Derivative Threshold	A threshold applied to the temporal derivative of the concentration-time curve. E.g., used to establish BAT. See Shpilfoygel Med Phys 2008. doi:10.1118/1.1288669.	
126375	Maximum Slope	The maximum rate of signal intensity change within a measured region of a time-activity curve. See Boonsirikamchai, Piyaporn, Harmeet Kaur, Deborah A. Kuban, Edward Jackson, Ping Hou, and Haesun Choi. "Use of Maximum Slope Images Generated From Dynamic Contrast-Enhanced MRI to Detect Locally Recurrent Prostate Carcinoma After Prostatectomy: A Practical Approach." American Journal of Roentgenology 198, no. 3 (March 1, 2012): W228-W236. doi:10.2214/AJR.10.6387.	

Code Value	Code Meaning	Definition	Notes
126376	Maximum Difference	The maximum degree of signal intensity change within a measured region of a time-activity curve. See Boonsirikamchai, Piyaporn, Harmeet Kaur, Deborah A. Kuban, Edward Jackson, Ping Hou, and Haesun Choi. "Use of Maximum Slope Images Generated From Dynamic Contrast-Enhanced MRI to Detect Locally Recurrent Prostate Carcinoma After Prostatectomy: A Practical Approach." American Journal of Roentgenology 198, no. 3 (March 1, 2012): W228-W236. doi:10.2214/AJR.10.6387.	
126377	Tracer Concentration	Tracer concentration in tissue. E.g., in a DCE-MR experiment, the concentration of contrast agent in mmol/l.	
126380	Contrast Longitudinal Relaxivity	The degree to which a paramagnetic contrast agent can enhance the proton longitudinal relaxation rate constant (R1, 1/T1), normalized to the concentration of the contrast agent. Also referred to as r1. Typically expressed in units of l/mmol/s.	
126390	Absolute Regional Blood Flow	The absolute flow rate of blood perfusing a region as volume per mass per unit of time. The mass divisor may be approximated by a measurement of volume assuming a tissue density of 1.	
126391	Absolute Regional Blood Volume	The absolute volume of blood perfusing a region as volume per mass. The mass divisor may be approximated by a measurement of volume assuming a tissue density of 1.	
126392	Oxygen Extraction Fraction	The percent of the oxygen removed from the blood by tissue during its passage through the capillary network. For example, as measured by blood oxygenation level dependent (BOLD) MR. See He, Xiang, and Dmitriy A. Yablonskiy. "Quantitative BOLD: Mapping of Human Cerebral Deoxygenated Blood Volume and Oxygen Extraction Fraction: Default State." Magnetic Resonance in Medicine 57, no. 1 (2007): 115-26.	
126393	R1	The longitiudinal relaxation rate constant for the decay of longitiudinal magnetization caused by spin-lattice relaxation. The inverse of longitudinal relaxation time, i.e., R1 = 1/T1.	
126394	R2	The transverse relaxation rate constant for the decay of transverse magnetization caused by spin-spin relaxation. The inverse of transverse relaxation time, i.e., R2 = 1/T2.	
126395	R2*	The transverse relaxation rate constant for the decay of transverse magnetization caused by a combination of spin-spin relaxation and magnetic field inhomogeneity. The inverse of transverse relaxation time, i.e., R2* = 1/T2*.	

Code Value	Code Meaning	Definition	Notes
126396	Magnetic Susceptibility	Magnetic Susceptibility is a measure of the amount of magnetization induced in a material when placed in an external magnetic field. It is the quantity encoded as the voxel intensity in Quantitative Susceptibility Map (QSM) images. It is a dimensionless quantity, usually recorded with units of parts per millions (ppm). See Liu T, Wisnieff C, Lou M, Chen W, Spincemaille P, Wang Y. Nonlinear formulation of the magnetic field to source relationship for robust quantitative susceptibility mapping. Magnetic Resonance in Medicine. 2013;69(2):467-76. http://dx.doi.org/10.1002/mrm.24272. See Wang Y, Liu T. Quantitative susceptibility mapping (QSM): Decoding MRI data for a tissue magnetic biomarker. Magnetic Resonance in Medicine. 2015;73(1):82-101. http://dx.doi.org/10.1002/mrm.25358.	
126397	Relative Regional Blood Flow	The relative flow rate of blood perfusing a region. Obtained by dividing the absolute flow rate of blood perfusing a region by the absolute flow rate of blood perfusing a reference region.	
126398	Relative Regional Blood Volume	The relative volume of blood perfusing a region. Obtained by dividing the absolute volume of blood perfusing a region by the absolute volume of blood perfusing a reference region.	
126400	Standardized Uptake Value	A ratio of locally measured radioactivity concentration versus the injected radioactivity distributed evenly throughout the whole body. This general concept encompasses all specific methods of calculating the whole body volume of distribution, such as using body weight, lean body mass, body surface area, etc.	
126401	SUVbw	Standardized Uptake Value calculated using body weight. The patient size correction factor for males and females is body weight. Defined in Sugawara et al. *Reevaluation of the Standardized Uptake Value for FDG: Variations with Body Weight and Methods for Correction.*Radiology, 1999 at http://radiology.rsna.org/content/213/2/521	

Code Value	Code Meaning	Definition	Notes
126402	SUVlbm	Standardized Uptake Value calculated using lean body mass by James method. The patient size correction factor for males is 1.10 * weight - (120 or 128) * (weight/height) ^2, and for females is 1.07 * weight - 148 * (weight/height) ^2. Defined in Sugawara et al. *Reevaluation of the Standardized Uptake Value for FDG: Variations with Body Weight and Methods for Correction.*Radiology, 1999 at http://radiology.rsna.org/content/213/2/521, except that either 120 or 128 may be used as the multiplier parameter for males). Unfortunately, Sugawara used a parameter of 120 rather than 128, propagating an error in Morgan DJ, Bray KM. Lean Body Mass as a Predictor of Drug Dosage: Implications for Drug Therapy. Clinical Pharmacokinetics. 1994;26(4):292-307, which misquoted the original LBM definition that used 128 in James WPT, Waterlow JC. Research on Obesity: A Report of the DHSS/MRC Group. London: Her Majesty's Stationery Office; 1976. Implementations differ in whether they have used 120 or 128 when using this code. See Kelly M. SUV: Advancing Comparability and Accuracy. Siemens; 2009. Available from: http://www.mpcphysics.com/documents/SUV_Whitepaper_Final_11.17.09_59807428_2.pdf.	
126403	SUVbsa	Standardized Uptake Value calculated using body surface area. The patient size correction factor for males and females is weight^ 0.425 * height^0.725 * 0.007184. Defined in Sugawara et al. *Reevaluation of the Standardized Uptake Value for FDG: Variations with Body Weight and Methods for Correction.*Radiology, 1999 at http://radiology.rsna.org/content/213/2/521	
126404	SUVibw	Standardized Uptake Value calculated using ideal body weight. The patient size correction factor for males is 48.0 + 1.06 * (height - 152) and for females is 45.5 + 0.91 * (height - 152). Defined in Sugawara et al. *Reevaluation of the Standardized Uptake Value for FDG: Variations with Body Weight and Methods for Correction.*Radiology, 1999 at http://radiology.rsna.org/content/213/2/521	

Code Value	Code Meaning	Definition	Notes
126405	SUVlbm(Janma)	Standardized Uptake Value calculated using lean body mass by Janmahasatian method. The patient size correction factor for males is 9.27E3 * weight / (6.68E3 + 216 * weight / (height^2)) and for females is 9.27E3 * weight / (8.78E3 + 244 * weight / (height^2)). Defined in *Janmahasatian et al. Quantification of Lean Bodyweight. Clin Pharmacokinet. 2005 Oct 1;44(10):1051-65.* at http://dx.doi.org/10.2165/00003088-200544100-00004 and its role in SUVlbm(Janma) calculation is discussed in *Tahari et al. Optimum Lean Body Formulation for Correction of Standardized Uptake Value in PET Imaging. Journal of Nuclear Medicine. 2014 Sep 1;55(9):1481-4.* at http://jnm.snmjournals.org/content/55/9/1481.	
126406	SUVlbm(James128)	Standardized Uptake Value calculated using lean body mass by James method, using the originally published 128 multiplier for males. The patient size correction factor for males is 1.10 * weight - 128) * (weight/height) ^2, and for females is 1.07 * weight - 148 * (weight/height) ^2.	
126410	SUV body weight calculation method	Method of calculating Standardized Uptake Value using body weight. The patient size correction factor for males and females is body weight. Defined in Sugawara et al. *Reevaluation of the Standardized Uptake Value for FDG: Variations with Body Weight and Methods for Correction.*Radiology, 1999 at http://radiology.rsna.org/content/213/2/521	
126411	SUV lean body mass calculation method	Method of calculating Standardized Uptake Value using lean body mass. The patient size correction factor for males is 1.10 * weight - (120 or 128) * (weight/height) ^2, and for females is 1.07 * weight - 148 * (weight/height) ^2. Defined in Sugawara et al. *Reevaluation of the Standardized Uptake Value for FDG: Variations with Body Weight and Methods for Correction.*Radiology, 1999 at http://radiology.rsna.org/content/213/2/521 Unfortunately, Sugawara used a parameter of 120 rather than 128, propagating an error in Morgan DJ, Bray KM. Lean Body Mass as a Predictor of Drug Dosage: Implications for Drug Therapy. Clinical Pharmacokinetics. 1994;26(4):292-307, which misquoted the original LBM definition that used 128 in James WPT, Waterlow JC. Research on Obesity: A Report of the DHSS/MRC Group. London: Her Majesty's Stationery Office; 1976. Implementations differ in whether they have used 120 or 128 when using this code. See Kelly M. SUV: Advancing Comparability and Accuracy. Siemens; 2009. Available from: http://www.mpcphysics.com/documents/SUV_Whitepaper_Final_11.17.09_59807428_2.pdf.	

Code Value	Code Meaning	Definition	Notes
126412	SUV body surface area calculation method	Method of calculating Standardized Uptake Value using body surface area. The patient size correction factor for males and females is weight^ 0.425 * height^0.725 * 0.007184. Defined in Sugawara et al. *Reevaluation of the Standardized Uptake Value for FDG: Variations with Body Weight and Methods for Correction.*Radiology, 1999 at http://radiology.rsna.org/content/213/2/521	
126413	SUV ideal body weight calculation method	Method of calculating Standardized Uptake Value using ideal body weight. The patient size correction factor for males is 48.0 + 1.06 * (height - 152) and for females is 45.5 + 0.91 * (height - 152). Defined in Sugawara et al. *Reevaluation of the Standardized Uptake Value for FDG: Variations with Body Weight and Methods for Correction.*Radiology, 1999 at http://radiology.rsna.org/content/213/2/521	
126414	SUV lean body mass calculation Janmahasatian method	Janmahasatian method of calculating Standardized Uptake Value using lean body mass. The patient size correction factor for males is 9.27E3 * weight / (6.68E3 + 216 * weight / (height^2)) and for females is 9.27E3 * weight / (8.78E3 + 244 * weight / (height^2)). Defined in *Janmahasatian et al. Quantification of Lean Bodyweight. Clin Pharmacokinet. 2005 Oct 1;44(10):1051-65.* at http://dx.doi.org/10.2165/00003088-200544100-00004 and its role in SUVlbm(Janma) calculation is discussed in *Tahari et al. Optimum Lean Body Formulation for Correction of Standardized Uptake Value in PET Imaging. Journal of Nuclear Medicine. 2014 Sep 1;55(9):1481-4.* at http://jnm.snmjournals.org/content/55/9/1481.	
126415	SUV lean body mass calculation method using 128 multiplier	James method of calculating Standardized Uptake Value using lean body mass with the originally published 128 multiplier for males. The patient size correction factor for males is 1.10 * weight - 128) * (weight/height) ^2, and for females is 1.07 * weight - 148 * (weight/height) ^2.	
126500	Pittsburgh compound B C^11^	A beta-amyloid PET radiotracer that is an analog of thioflavin T.	
126501	Florbetaben F^18^	A beta-amyloid PET radiotracer.	
126502	T807 F^18^	A PHF-tau PET radiotracer.	
126503	Flubatine F^18^	A nicotinic α4β2 receptor (nAChR) PET radiotracer.	
126510	Monoclonal Antibody (mAb) ^64^Cu	A Cu 64 Monoclonal Antibody (mAb) PET Radiotracer.	
126511	Monoclonal Antibody (mAb) ^89^Zr	A Zr 89 Monoclonal Antibody (mAb) PET Radiotracer.	
126512	Trastuzumab ^89^Zr	A Zr 89 Trastuzumab PET Radiotracer.	
126513	Cetuximab ^89^Zr	A Zr 89 Cetuximab PET Radiotracer.	
126514	J591 ^89^Zr	A Zr 89 J591 PET Radiotracer.	
126515	cU36 ^89^Zr	A Zr 89 cU36 PET Radiotracer.	
126516	Bevacizumab ^89^Zr	A Zr 89 Bevacizumab PET Radiotracer.	
126517	cG250-F(ab')(2) ^89^Zr	A Zr 89 cG250-F(ab')(2) PET Radiotracer.	

Code Value	Code Meaning	Definition	Notes
126518	R1507 ^89^Zr	A Zr 89 R1507 PET Radiotracer.	
126519	E4G10 ^89^Zr	A Zr 89 E4G10 PET Radiotracer.	
126520	Df-CD45 ^89^Zr	A Zr 89 Df-CD45 PET Radiotracer.	
126600	^44^Scandium	^44^Scandium	
126601	^51^Manganese	^51^Manganese	
126602	^70^Arsenic	^70^Arsenic	
126603	^90^Niobium	^90^Niobium	
126604	^191m^Iridium	^191m^Iridium	
126605	^43^Scandium	^43^Scandium	
126606	^152^Terbium	^152^Terbium	
126607	^52m^Manganese	^52m^Manganese	
126700	ATSM Cu^60^	A Cu 60 ATSM PET radiotracer.	
126701	ATSM Cu^61^	A Cu 61 ATSM PET radiotracer.	
126702	ATSM Cu^62^	A Cu 62 ATSM PET radiotracer.	
126703	Choline C^11^	A C 11 Choline PET radiotracer.	
126704	Fallypride C^11^	A C 11 Fallypride PET radiotracer.	
126705	Fallypride F^18^	An F 18 Fallypride PET radiotracer.	
126706	FLB 457 C^11^	A C 11 FLB 457 PET radiotracer.	
126707	Fluorotriopride F^18^	An F 18 Fluorotriopride PET radiotracer.	
126708	Fluoromisonidazole (FMISO) F^18^	An F 18 Fluoromisonidazole PET radiotracer.	
126709	Glutamine C^11^	A C 11 Glutamine PET radiotracer.	
126710	Glutamine C^14^	A C 14 Glutamine PET radiotracer.	
126711	Glutamine F^18^	An F 18 Glutamine PET radiotracer.	
126712	*Flubatine F^18^*	*An F 18 Flubatine PET radiotracer.*	*Retired.* *Replaced with (126503, DCM, "Flubatine F^18^").*
126713	2FA F^18^	An F 18 2FA PET radiotracer.	
126714	Nifene F^18^	An F 18 Nifene PET radiotracer.	
126715	CLR1404 I^124^	An I 124 cancer targeted phospholipid ether PET radiotracer.	
126716	CLR1404 I^131^	An I 131 cancer targeted phospholipid ether PET radiotracer.	
126717	*THK5351 F^18^*	*A PET radiotracer used for tau brain imaging.* *See Harada R, Okamura N, Furumoto S, Furukawa K, Ishiki A, Tomita N, et al. 18F-THK5351: A Novel PET Radiotracer for Imaging Neurofibrillary Pathology in Alzheimer Disease. Journal of Nuclear Medicine. 2016 Feb 1;57(2):208-14. doi:10.2967/jnumed.115.164848*	*Retired.* *Replaced with (C4279748, UMLS, "THK5351 F^18^").*

Code Value	Code Meaning	Definition	Notes
126718	Flurpiridaz F^18^	A PET radiotracer used for myocardial perfusion imaging. See Yu M, Nekolla SG, Schwaiger M, Robinson SP. The Next Generation of Cardiac Positron Emission Tomography Imaging Agents: Discovery of Flurpiridaz F-18 for Detection of Coronary Disease. Seminars in Nuclear Medicine. 2011 Jul;41(4):305-13. doi:10.1053/j.semnuclmed.2011.02.004 See SNMMI. Flurpiridaz. http://interactive.snm.org/docs/PET_PROS/flurpiridaz_%2007_30_12_Final.pdf	
126719	RO6924963 ^11^C	A PET radiotracer used for tau brain imaging. See Wong DF, Comley R, Kuwabara H, Rosenberg PB, Resnick SM, Ostrowitzki S, et al. First in-human PET study of 3 novel tau radiopharmaceuticals: [11C]RO6924963, [11C]RO6931643, and [18F]RO6958948. J Nucl Med. 2018 May 4; doi:10.2967/jnumed.118.209916. http://jnm.snmjournals.org/content/early/2018/05/03/jnumed.118.209916	
126720	RO6931643 ^11^C	A PET radiotracer used for tau brain imaging. See Wong DF, Comley R, Kuwabara H, Rosenberg PB, Resnick SM, Ostrowitzki S, et al. First in-human PET study of 3 novel tau radiopharmaceuticals: [11C]RO6924963, [11C]RO6931643, and [18F]RO6958948. J Nucl Med. 2018 May 4; doi:10.2967/jnumed.118.209916. http://jnm.snmjournals.org/content/early/2018/05/03/jnumed.118.209916	
126721	Obinituzimab ^89^Zr	A Zr 89 Obinituzimab PET Radiotracer.	
126722	Benralizumab ^89^Zr	A Zr 89 Benralizumab PET Radiotracer.	
126723	Ocaratuzumab ^89^Zr	A Zr 89 Ocaratuzumab PET Radiotracer.	
126724	Glembatumumab vedotin ^89^Zr	A Zr 89 Glembatumumab vedotin PET Radiotracer.	
126725	Pinatuzumab vedotin ^89^Zr	A Zr 89 Pinatuzumab vedotin PET Radiotracer.	
126726	Polatuzumab vedotin ^89^Zr	A Zr 89 Polatuzumab vedotin PET Radiotracer.	
126727	Blinatumomab ^89^Zr	A Zr 89 Blinatumomab PET Radiotracer.	
126728	Pegdinetanib ^89^Zr	A Zr 89 Pegdinetanib PET Radiotracer.	
126729	AGN-150998 ^89^Zr	A Zr 89 AGN-150998 PET Radiotracer.	
126730	MEDI-551 ^89^Zr	A Zr 89 MEDI-551 PET Radiotracer.	
126731	GA201 ^89^Zr	A Zr 89 GA201 PET Radiotracer.	
126732	Ecromeximab ^89^Zr	A Zr 89 Ecromeximab PET Radiotracer.	
126733	Roledumab ^89^Zr	A Zr 89 Roledumab PET Radiotracer.	
126734	XmAb5574 ^89^Zr	A Zr 89 XmAb5574 PET Radiotracer.	
126735	Brentuximab ^89^Zr	A Zr 89 Brentuximab PET Radiotracer.	
126736	Panitumumab ^89^Zr	A Zr 89 Panitumumab PET Radiotracer.	
126737	Rituximab ^89^Zr	A Zr 89 Rituximab PET Radiotracer.	
126738	Mogamulizumab ^89^Zr	A Zr 89 Mogamulizumab PET Radiotracer.	
126739	Ublituximab ^89^Zr	A Zr 89 Ublituximab PET Radiotracer.	

Code Value	Code Meaning	Definition	Notes
126740	Margetuximab ^89^Zr	A Zr 89 Margetuximab PET Radiotracer.	
126741	SAR3419 ^89^Zr	A Zr 89 SAR3419 PET Radiotracer.	
126742	Ranibizumab ^89^Zr	A Zr 89 Ranibizumab PET Radiotracer.	
126746	cMAb U36 ^89^Zr	A Zr 89 cMAb U36 PET Radiotracer.	
126747	DN30 ^89^Zr	A Zr 89 DN30 PET Radiotracer.	
126748	Fresolimumab ^89^Zr	A Zr 89 Fresolimumab PET Radiotracer.	
126749	TRC105 ^89^Zr	A Zr 89 TRC105 PET Radiotracer.	
126750	7E11 ^89^Zr	A Zr 89 7E11 PET Radiotracer.	
126751	7D12 ^89^Zr	A Zr 89 7D12 PET Radiotracer.	
126752	28H1 ^89^Zr	A Zr 89 28H1 PET Radiotracer.	
126753	Nanocolloidal albumin ^89^Zr	A Zr 89 nanocolloidal albumin PET Radiotracer. See Heuveling et al. Pilot Study on the Feasibility of PET/CT Lymphoscintigraphy with ^{89}Zr-Nanocolloidal Albumin for Sentinel Node Identification in Oral Cancer Patients. J Nucl Med. 2013 Apr;54(4):585-9. doi:10.2967/jnumed.112.115188. http://jnm.snmjournals.org/content/54/4/585.long	
126754	Anti-B220 ^89^Zr	A Zr 89 Anti-B220 PET Radiotracer.	
126755	RO5323441 ^89^Zr	A Zr 89 RO5323441 PET Radiotracer.	
126756	RO542908 ^89^Zr	A Zr 89 RO542908 PET Radiotracer.	
126757	RO6958948 ^18^F	A PET radiotracer used for tau brain imaging. See Wong DF, Comley R, Kuwabara H, Rosenberg PB, Resnick SM, Ostrowitzki S, et al. First in-human PET study of 3 novel tau radiopharmaceuticals: [11C]RO6924963, [11C]RO6931643, and [18F]RO6958948. J Nucl Med. 2018 May 4; doi:10.2967/jnumed.118.209916. http://jnm.snmjournals.org/content/early/2018/05/03/jnumed.118.209916	
126758	PSMA-1007 F^18^	A PET radiotracer targeting PMSA used for prostate cancer imaging. See Giesel FL, Hadaschik B, Cardinale J, Radtke J, Vinsensia M, Lehnert W, et al. F-18 labelled PSMA-1007: biodistribution, radiation dosimetry and histopathological validation of tumor lesions in prostate cancer patients. Eur J Nucl Med Mol Imaging. 2017 Apr 1;44(4):678–88. doi:10.1007/s00259-016-3573-4. http://link.springer.com/article/10.1007/s00259-016-3573-4	
126759	PSMA-617 Ga^68^	A PET radiotracer targeting PMSA used for prostate cancer imaging. See Afshar-Oromieh A, Hetzheim H, Kratochwil C, Benesova M, Eder M, Neels OC, et al. The Theranostic PSMA Ligand PSMA-617 in the Diagnosis of Prostate Cancer by PET/CT: Biodistribution in Humans, Radiation Dosimetry, and First Evaluation of Tumor Lesions. J Nucl Med. 2015 Nov 1;56(11):1697–705. doi: 10.2967/jnumed.115.161299. http://jnm.snmjournals.org/content/56/11/1697	

Code Value	Code Meaning	Definition	Notes
126760	Df-FK ^89^Zr	A Zr 89 Df-FK peptide PET Radiotracer. See Jacobsen O et al. MicroPET Imaging of Integrin $\alpha_v\beta_3$ Expressing Tumors Using ^{89}Zr-RGD Peptides. Mol Imaging Biol. 2011 Dec; 13(6): 1224-1233. doi:10.1007/s11307-010-0458-y. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3137711/	
126761	Df-FK-PEG(3) ^89^Zr	A Zr 89 Df-FK-PEG(3) peptide PET Radiotracer. See Jacobsen O et al. MicroPET Imaging of Integrin $\alpha_v\beta_3$ Expressing Tumors Using ^{89}Zr-RGD Peptides. Mol Imaging Biol. 2011 Dec; 13(6): 1224-1233. doi:10.1007/s11307-010-0458-y. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3137711/	
126762	Df-[FK](2) ^89^Zr	A Zr 89 Df-[FK](2) peptide PET Radiotracer. See Jacobsen O et al. MicroPET Imaging of Integrin $\alpha_v\beta_3$ Expressing Tumors Using ^{89}Zr-RGD Peptides. Mol Imaging Biol. 2011 Dec; 13(6): 1224-1233. doi:10.1007/s11307-010-0458-y. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3137711/	
126763	Df-[FK](2)-3PEG(4) ^89^Zr	A Zr 89 Df-[FK](2)-3PEG(4) peptide PET Radiotracer. See Jacobsen O et al. MicroPET Imaging of Integrin $\alpha_v\beta_3$ Expressing Tumors Using ^{89}Zr-RGD Peptides. Mol Imaging Biol. 2011 Dec; 13(6): 1224-1233. doi:10.1007/s11307-010-0458-y. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3137711/	
126801	IEC61217 Patient Support Continuous Angle	Patient Support Continuous Angle in IEC PATIENT SUPPORT Coordinate System [IEC 61217].	
126802	IEC61217 Table Top Continuous Pitch Angle	Table Top Continuous Pitch Angle in the direction of the IEC TABLE TOP Coordinate System [IEC 61217].	
126803	IEC61217 Table Top Continuous Roll Angle	Table Top Continuous Roll Angle in the direction of the IEC TABLE TOP Coordinate System [IEC 61217].	
126804	IEC61217 Table Top Eccentric Axis Distance	Table Top Eccentric Axis Distance [IEC 61217].	
126805	IEC61217 Table Top Continuous Eccentric Angle	Table Top Continuous Eccentric Angle in the direction of the IEC TABLE TOP ECCENTRIC Coordinate System [IEC 61217].	
126806	IEC61217 Table Top Lateral Position	Table Top Lateral Position IEC TABLE TOP Coordinate System [IEC 61217].	
126807	IEC61217 Table Top Longitudinal Position	Table Top Longitudinal Position IEC TABLE TOP Coordinate System [IEC 61217].	
126808	IEC61217 Table Top Vertical Position	Table Top Vertical Position in IEC TABLE TOP Coordinate System [IEC 61217].	
126809	IEC61217 Gantry Continuous Roll Angle	Gantry Continuous Roll Angle in degrees of the radiation source, i.e., the rotation about the Y-axis of the IEC GANTRY coordinate system [IEC 61217].	
126810	IEC61217 Gantry Continuous Pitch Angle	Gantry Pitch Continuous Angle in degrees of the radiation source, i.e., the rotation about the X-axis of the IEC GANTRY coordinate system [IEC 61217].	

Code Value	Code Meaning	Definition	Notes
126811	IEC61217 Gantry Continuous Yaw Angle	Gantry Yaw Continuous Angle in degrees of the radiation source, i.e., about the Z-axis of the IEC GANTRY coordinate system [IEC 61217].	
126830	left first	The body position of the imaging subject relative to the imaging equipment is with the subject's left side positioned towards the front of the equipment viewed from the front	
126831	right first	The body position of the imaging subject relative to the imaging equipment is with the subject's right side positioned towards the front of the equipment viewed from the front	
126832	posterior first	The body position of the imaging subject relative to the imaging equipment is with the subject's posterior (dorsal) side positioned towards the front of the equipment viewed from the front	
126833	anterior first	The body position of the imaging subject relative to the imaging equipment is with the subject's anterior (ventral) side positioned towards the front of the equipment viewed from the front	
126850	ILCR	The International Laboratory Code Registry (ILCR) of the Institute of Laboratory Animal Research (ILAR). See http://dels.nas.edu/global/ilar/lab-codes.	
127001	Preclinical Small Animal Imaging Acquisition Context	A description of the conditions present during acquisition of images of small animals during preclinical research.	
127005	Animal handling during specified phase	The conditions present related to the handling of an animal during a specified phase.	
127006	Phase of animal handling	A specified phase of handling of an animal (e.g., transport, preparation).	
127010	Biosafety conditions	A description of biosafety conditions (e.g., present during small animal handling for research).	
127011	Reason for biosafety controls	The reason that biosafety controls are in place.	
127040	Heating conditions	A description of heating conditions (e.g., present during small animal handling for research).	
127050	Circadian effects	A description of Circadian effects (e.g., present during small animal handling for research).	
127060	Nose cone	A form of face mask that fits over the nose used for delivery of inhalational anesthesia (usually for small animals)	
127061	Nasal cannula	Cannula inserted in the nose used for delivery of inhalational anesthesia or other inhaled gases.	
127070	Retro-orbital route	A route of administration of a substance via the retro-orbital venous sinus. Yardeni T et al. (2011). Retro-orbital injections in mice. Lab Animal, 40(5), 155-160. doi:10.1038/laban0511-155. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3158461/	
127101	In home cage	The phase of handling of an animal that provides their normal environment between procedures.	
127102	During transport	The phase of handling of an animal that is transport between environments.	

Code Value	Code Meaning	Definition	Notes
127103	Staging prior to imaging	The phase of handling of an animal that is staging prior to an imaging procedure (e.g., after removal from their home environment and transport cage, and awaiting preparation, induction or imaging). During this phase the animals are not subject to intervention (e.g., injection, catheterization) (cf. 127104, DCM, "Preparation for imaging")).	
127104	Preparation for imaging	The phase of handling of an animal that is preparation prior to an imaging procedure that involves handling and intervention (e.g., such as injection, catheterization) (cf. 127103, DCM, "Staging prior to imaging")).	
127110	Housing role	The phase of handling of an animal during which the housing conditions are applicable.	
127120	Animal housing	The manner in which animals are housed.	
127121	Animal room type	The room type in which racks of animal cages are housed.	
127122	Animal room identifier	The identifier of the room in which racks of animal cages are housed.	
127125	Housing manufacturer	The manufacturer of the animal housing.	
127126	Housing rack product name	The manufacturer's product name of the animal housing rack.	
127127	Housing rack product code	The manufacturer's product code of the animal housing rack.	
127128	Housing unit product name	The manufacturer's product name of the animal housing unit (or bottom of unit if separate lid).	
127129	Housing unit product code	The manufacturer's product code of the animal housing unit (or bottom of unit if separate lid).	
127130	Housing unit lid product name	The manufacturer's product name of the animal housing unit lid.	
127131	Housing unit lid product code	The manufacturer's product code of the animal housing unit lid.	
127140	Number of racks per room	The number of animal housing racks per room.	
127141	Number of housing units per rack	The number of animal housing units per rack.	
127142	Housing unit location in rack	The location of the housing unit in the rack.	
127143	Number of animals within same housing unit	The number of animals in a single housing (e.g., in a single cage, or in an animal carrier for imaging).	
127144	Sex of animals within same housing unit	The sex of multiple animals contained in a single housing (cage).	
127145	Sex of handler	The sex of the animal handler(s).	
127146	Mixed sex	A group consisting of individuals of both sexes (both males and females). E.g., a group of animals in a cage, group of animal handlers.	
127150	Total duration in housing	The total period of time that a subject spends in specified housing conditions.	
127151	Housing change interval	The period of time between changes of housing conditions.	
127152	Manual handling interval	The period of time between episodes of manual handling of the subject.	

Code Value	Code Meaning	Definition	Notes
127153	Housing unit movement	A description of the manner in which the housing unit is moved (e.g., how a cage is transported).	
127160	Housing unit width	The width of the housing unit (e.g., cage).	
127161	Housing unit height	The height of the housing unit (e.g., cage).	
127162	Housing unit length	The length of the housing unit (e.g., cage).	
127170	Housing individually ventilated	Whether or not the housing unit (e.g., cage) is individually ventilated.	
127172	Air changes	How frequently the entire volume of air within a defined space is replaced (e.g., within an animal cage).	
127175	Housing unit reuse	Whether or not the housing unit has been previously used for different animals.	
127177	Unused	The device (e.g., animal housing unit aka. cage) has not previously been used for different animals.	
127178	Reused	The device (e.g., animal housing unit aka. cage) has previously been used for different animals.	
127180	Bedding manufacturer	The manufacturer of the bedding material.	
127181	Bedding product name	The manufacturer's product name of the bedding material.	
127182	Bedding product code	The manufacturer's product code of the bedding material.	
127183	Bedding volume	The volume of bedding material.	
127184	Bedding mass	The mass of bedding material.	
127185	Bedding depth	The depth of bedding material.	
127190	Enrichment material	Material provided to enrich the environment of a small animal for the purpose of reducing stress, improving health and/or improving reproducibility of results. E.g., nesting material.	
127191	Enrichment manufacturer	The manufacturer of the material provided to enrich the environment of a small animal.	
127192	Enrichment material present	Whether or not material is provided to enrich the environment of a small animal for the purpose of reducing stress, improving health and/or improving reproducibility of results. E.g., nesting material.	
127193	Exerciser device present	Whether or not an exerciser device is present.	
127195	Shelter type	The type of shelter provided for small animals within their housing.	
127196	Shelter manufacturer	The manufacturer of the small animal shelter.	
127197	Shelter product name	The manufacturer's product name of the small animal shelter.	
127198	Shelter product code	The manufacturer's product code of the small animal shelter.	
127200	Feed manufacturer	The manufacturer of the feed.	
127201	Feed product name	The manufacturer's product name of the feed.	
127202	Feed product code	The manufacturer's product code of the feed.	
127205	Feed source	The source of animal feed.	
127210	Feedback temperature regulation	Temperature is regulated by feedback from a temperature sensor used to control an active heating or cooling device.	

Code Value	Code Meaning	Definition	Notes
127214	Total duration of light-dark cycle	The total duration of single light-dark cycle (e.g., usually 24 hours).	
127215	Lights on time of day	The time of day when the lights are turned on.	
127220	Igloo	Igloo shaped small animal shelter	
127221	Red translucent igloo	Red translucent igloo-shaped small animal shelter	
127230	Aspen chip bedding	Animal bedding material made from aspen chips.	
127231	Aspen shaving bedding	Animal bedding material made from aspen shavings.	
127232	Corn cob bedding	Animal bedding material made from (milled) corn cobs.	
127233	Paper-based bedding	Animal bedding material made from paper.	
127234	Pine chip bedding	Animal bedding material made from pine chips.	
127235	Pine shaving bedding	Animal bedding material made from pine shavings.	
127240	Carrier temperature sensor	A device for measuring the temperature of the carrier (holder) used for small animal imaging as a means of monitoring or regulating the animal's temperature (e.g., a non-magnetic thermocouple embedded in or attached to the carrier for MRI).	
127250	Forced air heater	A method or device that uses forced hot air to maintain the body temperature of a subject.	
127251	Heated imaging device	An imaging device that contains an integrated method of temperature regulation for maintaining the body temperature of the imaging subject.	
127252	Heated patient support	A device that physically supports the patient and contains an integrated method of temperature regulation for maintaining the body temperature of the imaging subject (e.g., the carrier used for imaging a small animal such as a mouse).	
127253	Heated water blanket	A blanket that uses circulating hot water to maintain the body temperature of a subject.	
127254	Pre-heated pad	A pad that is pre-heated before use that is used to maintain the body temperature of a subject (e.g., pre-heated in a microwave or autoclave).	
127255	Unheated	No mechanism is used to maintain the body temperature of a subject.	
127270	NIH31	NIH Open Formula Rat and Mouse Ration - 18% Crude Protein Autoclavable. Specification at http://www.ors.od.nih.gov/sr/dvr/Documents/SSFiles/nih31-137j2004.pdf.	
127271	NIH07	NIH07 open-formula, natural-ingredient rodent diet.	
127272	AIN76	AIN76 purified diet.	
127273	AIN93G	AIN93 growth diet.	
127274	AIN93M	AIN93 maintenance diet.	
127290	Reverse osmosis purified water	Water that has been purified by reverse osmosis.	
127291	Reverse osmosis purified, HCl acidified water	Water that has been purified by reverse osmosis and HCl acidified.	

Code Value	Code Meaning	Definition	Notes
127300	Anesthesia Method Set	Information about different anesthesia methods used during a procedure (from AQI Schema AnesthesiaMethodSetType; see http://www.aqihq.org/aqischdoc/AnesthesiaMethodSetType.html).	
127301	Anesthesia Method	Information about a single anesthesia method used during a procedure (from AQI Schema AnesthesiaMethodType; see http://www.aqihq.org/aqischdoc/AnesthesiaMethodType.html).	
127302	Anesthesia Category	Category of anesthesia technique used during a procedure (from AQI Schema AnesthesiaCategoryCodeType; see http://www.aqihq.org/aqischdoc/AnesthesiaCategoryCodeType.html).	
127303	Anesthesia SubCategory	Details of anesthesia technique used during a procedure (from AQI Schema AnesthesiaMethodType; see http://www.aqihq.org/aqischdoc/AnesthesiaMethodType.html).	
127310	Airway Management Set	Information about airway management used during a procedure (from AQI Schema AirwayManagementSetType; see http://www.aqihq.org/aqischdoc/AirwayManagementSetType.html).	
127312	Airway Management Method	Type of airway management used during a procedure (from AQI Schema AirwayManagementMethodCodeType; see http://www.aqihq.org/aqischdoc/AirwayManagementMethodCodeType.html).	
127313	Airway Sub-Management Method	Subtype of airway management of airway management used during a procedure (from AQI Schema AirwayManagementSubMethodCodeType; see http://www.aqihq.org/aqischdoc/AirwayManagementSubMethodCodeType.html).	
127320	Medications Set	Set of medications applied during the anesthesia (from AQI Schema MedicationsSetType; see http://www.aqihq.org/aqischdoc/MedicationsSetType.html).	
127330	Carrier gas	A gas that delivers an inhalational anesthetic to a subject (e.g., air, oxygen).	
127370	Animal housing room	A room for keeping and raising animals for observation or research (vivarium).	
127371	Preparation room	A room for preparing a subject (such as a research small animal) prior to a procedure (such as an imaging procedure).	
127372	Imaging procedure room	A room in which an imaging procedure is performed.	
127390	Locally manufactured product	A product that is locally manufactured (i.e., within the facility or institution).	
127391	Food treat	A food item that is out of the ordinary and provides pleasure.	
127400	Exogenous substance	A substance from a source external to a subject. E.g., a homograft or xenograft (including tumor cells or tissue), fibrils, viruses, cytokines or toxins.	
127401	Tissue of origin	The tissue from which a substance originated. E.g., the tissue or organ from which a homograft or xenograft (including tumor cells or tissue) was obtained.	

Code Value	Code Meaning	Definition	Notes
127402	Taxonomic rank of origin	The taxonomic rank value (e.g., genus, subgenus, species or subspecies) from which a substance originated. E.g., the species of animal from which a homograft or xenograft (including tumor cells or tissue) was obtained.	
127411	Strain	An identifier of a group of animals that is genetically uniform.	
127412	Strain description	A description of a group of animals that is genetically uniform.	
127413	Nomenclature	A system of names or descriptions used in a particular field.	
127414	Genetic modifications	An identifier of a specific variation of a targeted gene or introduced transgene.	
127415	Genetic modifications description	A description of a specific variation of a targeted gene or introduced transgene.	
127450	Stereotactic coordinates	The three dimensional coordinates that identify a (usually small) target within the body. E.g., for the purpose of ablation, biopsy, lesion, injection, stimulation, implantation or radiosurgery.	
127451	Position reference indicator	The part of the imaging target that was used as a reference point associated with a specific Frame of Reference. The Position Reference Indicator may or may not coincide with the origin of the fixed frame of reference related to the Frame of Reference. For a Patient-related Frame of Reference, this is an anatomical reference point, often a well-known surface anatomical point.	
127460	Tumor graft	Tumor cells or tissue or other material obtained from a donor intended to be implanted in a research subject.	
127801	Embryonic Kidney	The kidney of an embryo. E.g., used as the source of human embryonic kidney cell lines, though the concept is not specifically human.	
127851	Human alpha synuclein preformed fibrils	Preformed fibrils of human alpha synuclein.	
127852	Mouse alpha synuclein preformed fibrils	Preformed fibrils of mouse alpha synuclein.	
127853	Human Tau preformed fibrils	Preformed fibrils of human Tau.	
127854	Mouse Tau preformed fibrils	Preformed fibrils of mouse Tau.	
127855	Non-ionic iodinated contrast agent	An iodine containing X-Ray contrast agent that does not dissociate in water, therefore, is lower in osmolality, and has a significantly lower incidence of adverse reactions than ionic iodinated contrast agents.	Replaces (96388005, SCT, "Non-ionic iodinated contrast agent"), which is retired in SNOMED CT (Duplicate).
127856	Heart valve flail	Unrestricted motion of a heart valve. E.g., a prolapsing mitral valve leaflet may be classified as non-flail or flail (abnormal leaflet coaptation or ruptured chordae).	
127857	Glucose Measurement Date	The date that a glucose measurement was performed.	
127858	Glucose Measurement Time	The time that a glucose measurement was performed.	

Code Value	Code Meaning	Definition	Notes
127901	SPECT of whole body	A nuclear medicine imaging procedure using a single photon emissive radionuclide with tomographic reconstruction, over an anatomical extent of the entire body.	
127902	SPECT CT of whole body	A nuclear medicine imaging procedure using a single photon emissive radionuclide with tomographic reconstruction combined with transmissive X-Ray computed tomography for attenuation compensation, over an anatomical extent of the entire body.	
128001	Add Addendum to Report	The task is to add an addendum to an existing report.	
128002	Modality to Read	The imaging study to be read involves the specified modality	
128003	Reader Specialty	The specialty of the reader of the imaging study	
128004	Report Requested	The type of report that is being requested.	
128005	Final Report	A final report is a report that is expected to contain all information and all the reportable findings.	
128006	Abdominal Imaging Specialty	A medical specialty concerned with abdominal imaging.	
128007	Cardiac Imaging Specialty	A medical specialty concerned with cardiac imaging.	
128008	Head and Neck Imaging Specialty	A medical specialty concerned with head and neck imaging.	
128009	Musculoskeletal Imaging Specialty	A medical specialty concerned with musculoskeletal imaging.	
128010	Neurology Specialty	A medical specialty concerned with neurology.	
128011	Neuroradiologic Imaging Specialty	A medical specialty concerned with neuroradiologic imaging.	
128012	OB/Gyn Imaging Specialty	A medical specialty concerned with obstetric and gynecologic imaging.	
128013	Oncologic Imaging Specialty	A medical specialty concerned with oncologic imaging.	
128014	Oncology Specialty	A medical specialty concerned with oncology.	
128015	Thoracic Imaging Specialty	A medical specialty concerned with thoracic imaging.	
128016	Pediatric Imaging Specialty	A medical specialty concerned with pediatric imaging.	
128017	Vascular Imaging Specialty	A medical specialty concerned with vascular imaging.	
128040	FWP by GA, Campbell, 1991	Fetal body weight growth percentile estimated from gestational age by method of Campbell 1991. See Campbell WA, Nardi D, Vintzileos AM, Rodis JF, Turner GW, Egan JF. Transverse Cerebellar Diameter/Abdominal Circumference Ratio Throughout Pregnancy: A Gestational Age-Independent Method to Assess Fetal Growth. Obstetrics & Gynecology. 1991;77(6):893-6. Available at: http://journals.lww.com/greenjournal/Fulltext/1991/06000/Transverse_Cerebellar_Diameter_Abdominal.19.aspx.	Replaces the use of LN:33183-5.

Code Value	Code Meaning	Definition	Notes
128041	FWP by GA, Hadlock, 1991	Fetal body weight growth percentile estimated from gestational age by method of Hadlock 1991. See Hadlock FP, Harrist RB, Martinez-Poyer J. In utero analysis of fetal growth: a sonographic weight standard. Radiology. 1991 Oct 1;181(1):129-33. DOI:10.1148/radiology.181.1.1887021. Available at: http://dx.doi.org/10.1148/radiology.181.1.1887021.	Replaces the incorrect use of LN:33183-5.
128120	Plane through Superior Extent	A plane passing through the superior extent (i.e., towards the head) of the referenced feature	
128121	Plane through Inferior Extent	A plane passing through the inferior extent (i.e., towards the feet) of the referenced feature	
128122	Plane through Proximal Extent	A plane passing through the proximal extent (i.e., towards the torso) of the referenced feature	
128123	Plane through Distal Extent	A plane passing through the distal extent (i.e., towards the end of the extremity) of the referenced feature	
128124	Plane through Medial Extent	A plane passing through the medial extent (i.e., towards the midline of the body) of the referenced feature	
128125	Plane through Lateral Extent	A plane passing through the lateral extent (i.e., away from the midline of the body) of the referenced feature	
128126	Plane through Leftmost Extent	A plane passing through the leftmost extent of the referenced feature	
128127	Plane through Rightmost Extent	A plane passing through the rightmost extent of the referenced feature	
128128	Plane through Anterior Extent	A plane passing through the anterior extent of the referenced feature	
128129	Plane through Posterior Extent	A plane passing through the posterior extent of the referenced feature	
128130	Plane through Center	A plane passing approximately through the center of the referenced feature	
128137	Geometric Centerpoint	The geometric center point of a feature, such as an organ, implanted device or morphologic anomaly.	
128138	Center of Mass	The center of mass of a feature, such as an organ, implanted device or morphologic anomaly	
128144	Impaired Renal Function	The procedure is contraindicated for patients with impaired renal function.	
128151	Laser Cross-hairs	Positioning the patient based on alignment of laser cross-hairs.	
128160	Acquired Volume	The anatomical region represented in the acquired data.	
128170	Abdominal Radiology	Organizational department or section responsible for Abdominal Radiology	
128171	Biomedical Engineering	Organizational department or section responsible for Biomedical Engineering	
128172	Cardiovascular Radiology	Organizational department or section responsible for Cardiovascular Radiology	
128173	Information Technology	Organizational department or section responsible for Information Technology	
128174	Medical Physics	Organizational department or section responsible for Medical Physics	

Code Value	Code Meaning	Definition	Notes
128175	Musculoskeletal Radiology	Organizational department or section responsible for Musculoskeletal Radiology	
128177	Pediatric Radiology	Organizational department or section responsible for Pediatric Radiology	
128179	Thoracic Radiology	Organizational department or section responsible for Thoracic Radiology	
128180	For RT Workflow	Instances available as input for a general radiotherapeutic workflow.	
128181	Diagnostic Source Images	Instances used to make a diagnosis.	
128182	Segmentation Result	Instances created during a segmentation session.	
128183	Registration Result	Instances created during a spatial registration.	
128184	Pre-Planning Result	Instances created during preparation prior to planning.	
128185	RT Prescription Result	Instances created for prescription of a radiotherapeutic treatment.	
128186	Dose Calculation Image Series	Image instances that represent an image series that is intended to be the primary input for the dose calculation. Any parameters required for dose calculation (such as electron density) is derived from this series.	
128187	Coordinate Alignment Image Series	Image instances that represent an image series from which the display coordinate system for a radiotherapeutic treatment planning is derived. Typically this series does not provide the parameters required for the dose calculation.	
128188	RT Treatment Simulation Result	Instances created during the simulation of a radiotherapeutic treatment delivery session. May also include input objects actually used.	
128189	RT Planning Result	Instances created during the planning of a radiotherapeutic treatment. May also include input objects actually used.	
128190	Dosimetric Result	Instances created during the creation of the dosimetric result of a radiotherapeutic treatment plan. May also include input objects actually used.	
128191	Patient Setup Verification Result	Instances created during the verification of the patient's treatment position. May also include input objects actually used.	
128192	RT Treatment Session Result	Instances created during the treatment session. May also include input objects actually used.	
128193	RT Treatment Course Summary	Instances created during a treatment course. May also include input objects actually used.	
128194	RT Treatment QA Result	Instances created during evaluation of the treatment delivery quality. May also include input objects actually used.	
128195	For Diagnosis	Instances available to make a diagnosis.	
128196	For Segmentation	Instances available for segmentation.	
128197	For RT Prescription	Instances available for prescribing a radiotherapeutic treatment delivery.	
128198	For RT Treatment Planning	Instances available for creating a radiotherapeutic treatment plan.	
128199	For Plan Comparison	Instances available for comparing plans.	

Code Value	Code Meaning	Definition	Notes
128200	For RT Plan Summation	Instances available to combine radiotherapeutic plans or doses.	
128201	For Physician Review	Instances available for review by a physician.	
128202	For Physicist Review	Instances available for review by a physicist.	
128203	For Tumor Board	Instances available for review of a tumor board.	
128204	For Plan Quality Assurance	Instances available to perform quality assurance of a radiotherapeutic treatment delivery plan.	
128205	For Machine Quality Assurance	Instances available to perform quality assurance of one of the hardware or software components involved in a radiotherapeutic treatment delivery.	
128206	For Patient Setup Verification	Instances available for verification of the patient treatment position.	
128207	For Clinical Trial Submission	Instances available for submission for a clinical trial study.	
128208	For Tumor Registry	Instances available for submission to a tumor registry.	
128209	RT Workflow Input Used	Instances used as an input of a general radiotherapeutic workflow.	
128210	RT Prescription Input Used	Instances used for prescribing a radiotherapeutic treatment delivery.	
128211	RT Treatment Planning Input Used	Instances used to create a radiotherapeutic treatment plan.	
128212	RT Plan Summation Input Used	Instances used to combine radiotherapeutic plans or doses.	
128213	Physician Review Input Used	Instances used for review by a physician.	
128214	Physicist Review Input Used	Instances used for review by a physicist.	
128215	Plan Quality Assurance Input Used	Instances used to perform quality assurance of a radiotherapeutic treatment delivery plan.	
128216	Machine Quality Assurance Input Used	Instances used to perform quality assurance of one of the hardware or software components involved in a radiotherapeutic treatment delivery.	
128217	Patient Setup Verification Input Used	Instances used during verification of the patient treatment position.	
128218	Diagnosis Input Used	Instances used to make a diagnosis.	
128219	Contouring Input Used	Instances used for segmentation.	
128220	Plan Comparison Input Used	Instances used for comparing plans.	
128221	Tumor Board Input Used	Instances used for review of a tumor board.	
128222	Tumor Registry Input Used	Instances submitted to a tumor registry.	
128223	Clinical Trial Submission Input Used	Instances submitted to a clinical trial study.	
128224	Source measurement	Measurement used as the source for derivation.	
128225	Source report	Report used as the source for derivation.	
128226	Source raw data	Raw Data used as the source for derivation.	
128227	Source real world value map	Real world value map used as the source for derivation. E.g., the map applied to source images before processing them, such as for a threshold based segmentation operation.	
128230	Pulse Sequence Name	Name of an MR pulse sequence for annotation purposes. Potentially vendor-specific name.	

Code Value	Code Meaning	Definition	Notes
128250	Structural image for image processing	A structural image used for image processing.	
128251	Flow image for image processing	A flow image used for image processing.	
128252	OCT-A amplitude decorrelation	OCT angiography method that de-correlates the amplitudes between two consecutive B-scans from the narrowed spectral bands was computed, and all the decorrelation values within certain repeated B-scans were averaged to visualize blood vessels. Methods and algorithms for optical coherence tomography-based angiography: a review and comparison. Anqi Zhang ; Qinqin Zhang ; Chieh-Li Chen ; Ruikang K. Wang (2015). See http://biomedicaloptics.spiedigitallibrary.org/article.aspx?articleid=2464650#QuantitativeComparisons.	
128253	OCT-A complex variance	OCT angiography method based on variations in the complex (amplitude and phase) OCT signal from repeated B-scans at the same location. There are a number of factors that may cause a change in the OCT signal frequency relative to the signal due to static tissue background. These factors include, for example, the Doppler effect that induces optical frequency shift and the change in backscattering due to the particles that are moving in and out of the OCT-probe volume during imaging. The changes in signal frequency cause the changes in both the amplitude and the phase of the OCT signal. Comparison of the complex (amplitude and phase) signal from repeated B-scans at the same location provides an image that has higher contrast in areas of erythrocyte motion. This method is referred to as OCT-based micro-angiography - complex (OMAGC).	
128254	OCT-A speckle variance	OCT angiography method that analyzes the temporal or spatial statistics of the intensity of speckle from OCT images and identifies blood vessels.	
128255	OCT-A correlation mapping	OCT angiography method that differentiates flow regions. Static regions usually have high correlation values while flow regions have lower correlation values.	
128256	Doppler OCT-A	OCT angiography method that utilizes the Doppler phase resolved information to provide the velocity of flow. Sometimes referred to as the phase variance method.	
128257	Retina depth encoded vasculature flow	Image using pseudo colors to illustrate multiple OPTENF images obtained at various depth levels within the retina from the OPT flow volume.	
128258	Retina depth encoded structural reflectance map	Image using pseudo colors to illustrate multiple OPTENF images obtained at various depth levels within the retina from the OPT structural volume.	
128259	Retina vasculature flow	Image that illustrates the vasculature flow within the entire retina. Generated from the OPT flow volume with pixels approximately from inner limiting membrane (ILM) to photoreceptor inner segment/ellipsoid region (ISe).	
128260	Retina structural reflectance map	Image that illustrates the OCT structural reflectance within the entire retina. Generated from the OPT structural volume with pixels approximately from inner limiting membrane (ILM) to photoreceptor inner segment/ellipsoid region (ISe).	

Code Value	Code Meaning	Definition	Notes
128261	Vitreous vasculature flow	Image that illustrates the vasculature flow within the vitreous. Generated from the OPT flow volume with pixels approximately from a selected location anterior to ILM, to ILM. This space/potential space is referred clinically as the Vitreo-retinal Interface (VRI).	
128262	Vitreous structural reflectance map	Image that illustrates the OCT structural reflectance within the vitreous. Generated from the OPT structural volume with pixels approximately from a selected location that is anterior to ILM, to ILM. This space/potential space is referred clinically as the Vitreo-retinal Interface (VRI).	
128263	Radial peripapillary vasculature flow	Image that illustrates the OCT vasculature flow within the RNFL around the optic disk. Generated from the OPT flow volume with pixels approximately from ILM to the outer boundary of the RNFL.	
128264	Radial peripapillary structural reflectance map	Image that illustrates the OCT structural reflectance within the RNFL around the optic disk. Generated from the OPT structural volume with pixels approximately from ILM to the outer boundary of the RNFL.	
128265	Superficial retina vasculature flow	Image that illustrates the vasculature flow within the anterior layers of retina. Generated from the OPT flow volume with pixels approximately from ILM to ganglion cell layer/inner plexiform layer (GCL/IPL).	
128266	Superficial retina structural reflectance map	Image that illustrates the OCT structural reflectance within the anterior layers of retina. Generated from the OPT structural volume with pixels approximately from ILM to ganglion cell layer/inner plexiform layer (GCL/IPL).	
128267	Middle inner retina vasculature flow	Image that illustrates the vasculature flow in the capillaries that connect the superficial and deeper capillary beds. Generated from the OPT flow volume with pixels approximately at the level of the IPL. Sometimes referred to as the intermediate retina flow.	
128268	Middle inner structural reflectance map	Image that illustrates the OCT structural reflectance in the capillaries that connect the superficial and deeper capillary beds. Generated from the OPT structural volume with pixels approximately at the level of the IPL. Sometimes referred to as the intermediate retina flow.	
128269	Deep retina vasculature flow	Image that illustrates the vasculature flow at the level of the plexiform layers within the retina. Generated from the OPT flow volume with pixels approximately from inner plexiform layer (IPL) to outer plexiform layer (OPL).	
128270	Deep retina structural reflectance map	Image that illustrates the structural reflectance at the level of the plexiform layers within the retina. Generated from the OPT structural volume with pixels approximately from inner plexiform layer (IPL) to outer plexiform layer (OPL).	
128271	Outer retina vasculature flow	Image that illustrates the vasculature flow at the level of the posterior layers of the retina (outer retina). Generated from the OPT flow volume with pixels approximately in the translucent layers, from OPL to ISe. Sometimes referred to as flow in the deep avascular structure. Note For normal eyes, this image would not show detectable vascular flow.	

Code Value	Code Meaning	Definition	Notes
128272	Outer retina structural reflectance map	Image that illustrates the structural reflectance at the level of the posterior layers of the retina (outer retina). Generated from the OPT structural volume with pixels approximately in the translucent layers, from OPL to ISe.	
128273	Choriocapillaris vasculature flow	Image that illustrates the vasculature flow at the level of the chroriocapillaris. Generated from the OPT flow volume with pixels approximately below the retinal pigment epithelium (RPE) encompassing the thickness of choriocapillaris.	
128274	Choriocapillaris structural reflectance map	Image that illustrates the structural reflectance at the level of the chroriocapillaris. Generated from the OPT structural volume with pixels approximately below the retinal pigment epithelium (RPE) encompassing the thickness of choriocapillaris.	
128275	Choroid vasculature flow	Image that illustrates the vasculature flow at the level of the choroid. Generated from the OPT flow volume with pixels approximately below RPE, encompassing the thickness of choroid.	
128276	Choroid structural reflectance map	Image that illustrates the structural reflectance at the level of the choroid. Generated from the OPT structural volume with pixels approximately below RPE, encompassing the thickness of choroid.	
128277	Whole eye vasculature flow	Image that illustrates the vasculature flow at the entire posterior segment, including retina and choroid. Generated from the OPT flow volume with pixels encompassing the entire OCT scan.	
128278	Whole eye structural reflectance map	Image that illustrates the structural reflectance from the entire posterior segment, including retina and choroid. Generated from the OPT structural volume with pixels encompassing the entire OCT scan.	
128279	Cube B-scan pattern	A series of densely spaced, parallel B-scans of the same length covering an area.	
128280	Raster B-scan pattern	A series of sparsely spaced, parallel B-scans of the same length covering an area.	
128281	Line B-scan pattern	A single line B-scan.	
128282	Radial B-scan pattern	A series of B-scans arranged in a radial pattern of the same length covering an area.	
128283	Cross B-scan pattern	A pair of horizontal and vertical B-scans in a cross pattern.	
128284	Circle B-scan pattern	A single circular pattern B-scan.	
128285	Concentric circle B-scan pattern	A series of concentric circular pattern B-scans with various diameters.	
128286	Circle-raster B-scan pattern	A series of concentric circular pattern B-scans with various diameters combined with a series of raster B-scan patterns.	
128287	Circle-radial B-scan pattern	A series of concentric circular pattern B-scans with various diameters combined with a series of radial B-scan patterns.	
128288	Grid B-scan pattern	A series of vertical and horizontal B-scans.	
128289	Outer surface of RNFL	Retinal surface located approximately at the outer boundary of the retinal nerve fiber layer (RNFL).	

Code Value	Code Meaning	Definition	Notes
128290	Outer surface of GCL	Retinal surface approximately at the outer boundary of the Ganglion Cell Layer (GCL).	
128291	Outer surface of IPL	Retinal surface located approximately at the outer boundary of the Inner Plexiform Layer (IPL).	
128292	Outer surface of INL	Retinal surface located approximately at the outer boundary of the Inner Nuclear Layer (INL).	
128293	Outer surface of OPL	Retinal surface located approximately at the outer boundary of the Outer Plexiform Layer (OPL).	
128294	Outer surface of HFL	Retinal surface located approximately at the outer boundary of the Henle Fiber Layer (HFL) when present.	
128295	Surface between Inner and Outer Segments of the photoreceptors	Retinal surface approximately located at the boundary between the Inner Segments and Outer Segments of the photoreceptors.	
128296	Surface of the interdigitating zone between retina and RPE	Retinal surface located approximately at the retina-RPE interdigitating zone when present.	
128297	Anterior surface of the RPE	Retinal surface located approximately at the anterior surface of the Retinal Pigment Epithelium (RPE).	
128298	Surface of the center of the RPE	Retinal surface located approximately at the center of the Retinal Pigment Epithelium (RPE).	
128299	Posterior surface of the RPE	Retinal surface located approximately at the posterior surface of the Retinal Pigment Epithelium (RPE).	
128300	Outer surface of the BM	Retinal surface located approximately at the outer boundary of the Bruch's Membrane (BM).	
128301	Surface of the choroid-sclera interface	Retinal surface located approximately at the choroid-sclera interface (SC).	
128302	Outer surface of the CC	Retinal surface located approximately at the outer boundary of the choriocapillaris (CC).	
128303	OCT B-scan analysis	Values are derived from performing analysis on OCT B-scans	
128304	OCT-A one-sided ratio (lesser)	OCT angiography method that utilizes a one-sided ratio on a pixel by pixel basis between various combinations of B-scan repetitions. The ratio is inverted when necessary such that values are less than or equal to one. Individual ratio calculations are averaged or combined across eligible frame combinations for each pixel in the OCT image.	
128305	OCT-A one-sided ratio (greater)	OCT angiography method that utilizes a one-sided ratio on a pixel by pixel basis between various combinations of B-scan repetitions. The ratio is inverted when necessary such that values are greater than or equal to one. Individual ratio calculations are averaged or combined across eligible frame combinations for each pixel in the OCT image.	
128401	Patient Radiation Dose Report	Report title for the report of estimated absorbed energy from ionizing radiation to a patient.	
128402	Radiation Dose Estimate	Estimate of absorbed energy from ionizing radiation.	
128403	Radiation Dose Estimate Name	Name used to identify a radiation dose estimate.	
128404	Anthropomorphic Model	A mathematical description of a patient model for estimating radiation dose that describes or is thought of as having a human form or human attributes.	

Code Value	Code Meaning	Definition	Notes
128405	Breast Thickness	Thickness of the breast.	
128406	BREP Radiation Transport Model	Boundary based representation of the model for the estimation of radiation transport and absorbed dose in materials.	
128407	DgN	Normalized Mean Glandular Dose (DgN) is the conversion value used to calculate the absorbed dose from radiation to the fibroglandular tissue component of the breast from the exposure in air.	
128408	Patient AP Dimension	The size of a patient in the anterior-posterior dimension.	
128409	Patient Lateral Dimension	The size of a patient in the lateral dimension.	
128410	SSDE Conversion Factor	Conversion factor for Size Specific Dose Estimate (SSDE) calculations from CTDIvol.	
128411	Backscatter	Scattering of radiation in a direction opposite to that of the incident radiation.	
128412	Radiation Dose Estimate Representation	The description of the representation of the estimated absorbed energy to an organ, a set of organs or the whole body, e.g., surface segmentation, mesh, parametric map, RT dose , Secondary Capture SOP Instances, etc.	
128413	Distribution Representation	The form of the representation used to describe the distribution of the radiation dose.	
128414	Radiation Dose Representation Data	The absorbed energy data estimated by the method.	
128415	Radiation Dose Estimate Methodology	The methodology and parameters used to estimate the radiation dose to an organ, the whole body or a phantom.	
128416	SR Instance Used	Reference to an SR instance used.	
128417	Patient Model Type	The type of model used to define the shape, size, location of objects, etc. to represent a patient or phantom for use in radiation transport analysis.	
128418	Simple Object Model	A simple object (e.g., cylinder) used to model a patient or organ.	
128420	Radiation Transport Model Type	The type of model used to estimate energy transport and absorbed dose in materials.	
128421	Geometric Radiation Transport Model	A model that uses geometrical shapes for the estimation of radiation transport and absorbed dose in materials.	
128422	Voxelized Radiation Transport Model	A model that uses volumetric elements for the estimation of radiation transport and absorbed dose in materials.	
128423	Mesh Radiation Transport Model	A model that uses a mesh structure representation for the estimation of radiation transport and absorbed dose in materials.	
128424	NURBS Radiation Transport Model	A model that uses surfaces of a non-uniform rational B-spline (NURBS) based representation for the estimation of radiation transport and absorbed dose in materials.	
128425	Patient Radiation Dose Model Data	The data from the model used to estimate radiation dose to a patient or organ.	
128426	Patient Radiation Dose Model Reference	Rationale or reference to the methodology for the model used in the estimation of radiation dose.	

Code Value	Code Meaning	Definition	Notes
128427	Patient Model Demographics	The demographics for which the patient model used by the radiation dose estimation method is intended.	
128428	Model Minimum Age	The minimum age used in the patient model in the radiation dose estimation method.	
128429	Event UID Used	Unique Identifier of an event used.	
128430	Model Maximum Age	The maximum age used in the patient model in the radiation dose estimation method.	
128431	Beam Block	A material placed in the radiation beam that is used to completely attenuate the beam in a specific region of the field of view.	
128433	Tissue Air Ratio	Ratio of the absorbed dose at a given depth in tissue to the absorbed dose at the same point in air.	
128434	Radiation Dose Estimate Parameters	The parameters used in the algorithms for determining the radiation dose to a patient, organs, or any material.	
128436	Radiation Dose Composite Parameters	Reference to the SOP Instance that describes the parameters and values used in the algorithms for determining the radiation dose to a patient, organs, or any material.	
128437	Model Patient Sex	The sex used in the patient model in the radiation dose estimation method.	
128438	Model Minimum Weight	The minimum weight used in the patient model in the radiation dose estimation method.	
128439	Model Minimum Height	The minimum height used in the patient model in the radiation dose estimation method.	
128441	Model Maximum Weight	The maximum weight used in the patient model in the radiation dose estimation method.	
128442	Model Maximum Height	The maximum height used in the patient model in the radiation dose estimation method.	
128444	Spatial Registration Reference	Reference to the Spatial Registration instance or Deformable Spatial Registration instance.	
128446	Registration Method	Name of the method used to register the frame of reference for two or more sets of data.	
128447	Spatial Fiducials	Reference to Spatial Fiducials SOP Instance.	
128452	Correction Factor	A factor used to make an adjustment to a calculation to account for deviations.	
128453	Curve Fit Parameter	A value used in a mathematical function to create a curve or a function that approximates a set of data.	
128455	Homogeneity Factor	A value used to describe the uniformity or composition of data or a material that relates to the same degree of variability.	
128456	Patient Model Registration	The spatial registration used in the patient model in the radiation dose estimation method.	
128457	X-Ray Beam Attenuator	Attenuator in the radiation beam that may alter the estimated radiation dose to the patient, organs, or phantoms.	
128458	Attenuator Category	The type of object in the radiation beam that may alter the estimated radiation dose to the patient, organs, or phantoms.	

Code Value	Code Meaning	Definition	Notes
128459	Table	The table a patient is sitting, standing, or lying on and that is in the radiation beam such that it may alter the estimated radiation dose to the patient, organs, or phantoms.	
128460	Table Core	The core material of a table a patient is sitting, standing, or lying on and that is in the radiation beam such that it may alter the estimated radiation dose to the patient, organs, or phantoms.	
128461	Table Outer Liner	The outer shell of a table a patient is sitting, standing, or lying on and that is in the radiation beam such that it may alter the estimated radiation dose to the patient, organs, or phantoms.	
128462	Table Pad	The padding on a table a patient is sitting, standing, or lying on and that is in the radiation beam such that it may alter the estimated radiation dose to the patient, organs, or phantoms.	
128464	Radiation Dose Estimation Parameter Type	Parameters used in mathematical, simulation, or empirical calculations for radiation dose estimation.	
128465	Equivalent Attenuator Material	The equivalent material used to estimate the reduction in radiation intensity.	
128468	Attenuator Description	An explanation of the actual attenuator material used in the estimation of radiation dose.	
128469	Equivalent Attenuator Thickness	The thickness of a specified material that provides the same attenuation as the actual attenuator.	
128470	X-Ray Attenuator Model Data	The stored data from the model used to represent the X-Ray beam attenuator.	
128472	X-Ray Beam Attenuator Model	Model of the attenuator used in the estimation of radiation dose.	
128474	X-Ray Beam Attenuator Model Reference	Reference to the methodology or rationale for the model of the beam attenuator used in the estimation of radiation dose.	
128475	X-Ray Beam Attenuator Model Registration	Spatial registration of the beam attenuator model.	
128476	Radiation Dose Estimate Method	The container for the radiation dose estimation methods and parameters.	
128477	Radiation Dose Estimate Method Type	Type of method used to estimate the radiation dose to a patient, organs or phantoms.	
128479	Tabular Data Algorithm	Algorithms that use a table of values indexed by a key.	
128480	Analytical Algorithm	Algorithms that use mathematical models that have a deterministic result.	
128481	Empirical Algorithm	Algorithms that use mathematical models that use parameters derived from observation.	
128482	Radiation Dose Estimate Method Reference	A reference to the methodology or rationale for the estimation methodology used for the estimation of radiation dose.	
128484	Isodose	Representation of radiation dose of equal intensity as a surface, curve, or line.	
128485	Skin Dose Map	Representation of radiation dose intensity at the surface on the skin.	
128487	3D Dose Map	Representation of radiation dose as a 3D shape or object.	

Code Value	Code Meaning	Definition	Notes
128488	Dose Gradient	Representation of the change in radiation dose with respect to the change in another variable. Often represented as a change with respect to time or distance.	
128492	Physical Support	Material that is in radiation beam that is used to provide physical support to the patient or other objects.	
128494	Patient Segmented Model	A model for estimating radiation dose defined from the actual patient anatomy or characteristics.	
128496	Dose Point Cloud	Radiation dose represented as a distribution of points.	
128497	Measured Radiation Dose	The measured amount of energy that is deposited in a material by ionizing radiation.	
128500	Patient Radiation Dose Model	A computational representation of a human body or other object used to simulate the attenuation of radiation in human tissue.	
128511	Reference to Uncertainty Determination Method	A reference to the methodology used to determine the uncertainty in the estimation of radiation dose.	
128512	Equivalent Dose	Absorbed dose to a tissue or organ multiplied by a quality factor to normalize the dose to the type of radiation that is depositing the dose.	
128513	Absorbed Dose	Energy from ionizing radiation absorbed per unit mass.	
128522	Normalization Factor	A factor that is used to make an adjustment to a calculation to normalize the data.	
128523	Offset Factor	A factor that is used to make an adjustment to a calculation to translate or move the data in a defined manner.	
128526	Tissue Fraction	The amount of a specific tissue content, either mass or volume, in a material.	
128527	Distance Correction	A correction factor for a measurement of distance or location.	
128528	Conversion Factor	A numerical ratio to express a measurement from one unit to another unit.	
128531	Maximum Absorbed Radiation Dose	The largest absorbed radiation dose amount estimated.	
128532	Minimum Absorbed Radiation Dose	The smallest absorbed radiation dose value estimated.	
128533	Mean Absorbed Radiation Dose	The average value of the absorbed radiation dose estimated.	
128534	Mode Absorbed Radiation Dose	The absorbed radiation dose value estimated that occurs most frequently.	
128535	Maximum Equivalent Radiation Dose	The largest equivalent radiation dose value estimated.	
128536	Minimum Equivalent Radiation Dose	The smallest equivalent radiation dose value estimated.	
128537	Mean Equivalent Radiation Dose	The average value of the equivalent radiation dose estimated.	
128538	Mode Equivalent Radiation Dose	The equivalent radiation dose value estimated that occurs most frequently.	
128539	Median Absorbed Radiation Dose	The central value of the absorbed radiation dose estimated.	

Code Value	Code Meaning	Definition	Notes
128540	Median Equivalent Radiation Dose	The central value of the equivalent radiation dose estimated.	
128551	Is Repeated Acquisition	This acquisition of data (e.g., for constructing an image) is a repeat of an earlier acquisition that was for some reason unsatisfactory.	
128552	Reason for Repeating Acquisition	The reason that data (e.g., for constructing an image) was acquired again.	
128553	Patient motion	The acquired data is unsatisfactory because the patient moved.	
128554	Suboptimal contrast timing	The acquired data is unsatisfactory because the contrast timing was not adequate.	
128601	Appropriate for the indications	The protocol is appropriate for the indications recorded in the protocol instance.	The American Academy of Orthopaedic Surgeons (AAOS) defines an appropriate procedure as one for which the expected health benefits exceed the expected health risks by a wide margin.
128602	Consistent with labeling of the device	The protocol is consistent with the regulatory product labeling of the device recorded in the protocol instance.	
128603	Approved for use at the institution	The protocol is approved for use at the institution recorded in the protocol instance.	
128604	Approved for use in the clinical trial	The protocol is approved for use in the clinical trial recorded in the protocol instance.	
128605	Approved for use on pregnant patients	The protocol is specifically approved for use on pregnant patients.	
128606	Appropriate for the device	The protocol is appropriate for execution on the device recorded in the protocol instance (which may identify an individual device by serial number or may identify a family of devices). I.e. the protocol has incorporated model-specific parameters and optimizations as necessary.	
128607	Inside operational limits of the device	The protocol specifies parameters that are within the operational limits of the device recorded in the protocol instance. I.e. execution of the protocol is not expected to damage or exceed the operational limits of the device.	
128608	Optimized for the device instance	The protocol is optimized for the characteristics of the specific instance of the device recorded in the protocol instance. I.e. the protocol has incorporated model-specific parameters and optimizations as necessary.	
128609	Disapproved for any use	The protocol is explicitly disapproved, or approval of the protocol has been withdrawn.	
128610	Deprecated protocol	The protocol is no longer to be used. E.g. it has been replaced by another protocol.	
128611	Approved for experimental use	The protocol is approved for use in experimental procedures.	
128612	Disapproved for experimental use	The protocol is disapproved for use in experimental procedures.	
128613	Eligible for reimbursement	The protocol is understood to be eligible for reimbursement by a given payer.	

Code Value	Code Meaning	Definition	Notes
128614	Eligible for reimbursement on per patient basis	The protocol is understood to be eligible for reimbursement on a per patient basis by a given payer.	
128615	Ineligible for reimbursement	The protocol is understood to be ineligible for reimbursement by a given payer.	
128617	Disapproved for use on pregnant patients	The protocol is explicitly disapproved for use on pregnant patients.	
128618	Inappropriate for the device	The protocol is inappropriate for execution on the device recorded in the protocol instance (which may identify an individual device by serial number or may identify a family of devices).	
128619	Outside operational limits of the device	The protocol specifies parameters that are not within the operational limits of the device recorded in the protocol instance. I.e. execution of the protocol may damage or exceed the operational limits of the device.	
128620	Not optimized for the device instance	The protocol is not optimized for the characteristics of the specific instance of the device recorded in the protocol instance.	
128621	Inappropriate for the indications	The protocol is inappropriate for the indications recorded in the protocol instance.	The American Academy of Orthopaedic Surgeons (AAOS) defines an appropriate procedure as one for which the expected health benefits exceed the expected health risks by a wide margin.
128622	Inconsistent with labeling of the device	The protocol is inconsistent with the regulatory product labeling of the device recorded in the protocol instance.	
128623	Disapproved for use at the institution	The protocol is disapproved for use at the institution recorded in the approval instance.	
128624	Disapproved for use in the clinical trial	The protocol is disapproved for use in the clinical trial recorded in the protocol instance.	
128670	Head of Radiology	The senior ranking radiologist in the organization	
128671	Chair of Protocol Committee	The chair of a committee tasked with reviewing and approving protocols in the organization.	
128673	Administrator of Radiology Department	The administrative head of a department that provides radiology services.	
128674	Lead Radiologic Technologist	The senior ranking radiologic technologist in the organization.	
128675	Head of Cardiology	The senior ranking cardiologist in the organization.	
128676	Representative of Protocol Committee	A representative of a committee tasked with reviewing and approving protocols in the organization.	
128677	Representative of Ethics Committee	A representative of a committee tasked with evaluating medical ethics. E.g. Institutional Review Board.	
128701	3D Gel	A volume of gel that changes physical characteristics when exposed to ionizing radiation.	
128702	Diode Array	A number of semiconductor devices that generates current when exposed to ionizing radiation. The devices are arranged systematically in a regular pattern.	

Code Value	Code Meaning	Definition	Notes
128703	Ion Chamber Array	A number of devices that measures charge from the ions produced in a medium when exposed to ionizing radiation. The devices are arranged systematically in a regular pattern.	
128704	Diode	A semiconductor device that generates current when exposed to ionizing radiation.	
128705	Liquid Ion Chamber	An ion chamber that uses a liquid as the medium.	
128706	OSLD	Optically Stimulated Luminescent Dosimeter. It is a crystal that when exposed to green light, emits blue light in proportion to the amount of ionizing radiation it has been exposed to.	
128707	Ion Chamber	A device that measures charge from the ions produced in a medium when exposed to ionizing radiation.	
128708	Diamond Detector	A semiconductor detector that uses diamond as the medium.	
128710	For Teaching File Export	Instances that have been selected for export to a teaching file.	
128711	For Clinical Trial Export	Instances that have been selected for export for a clinical trial.	
128712	Additional Teaching File Information	The title of a document containing additional teaching file information.	
128713	For Research Collection Export	Instances that have been selected for export to a research collection.	
128714	For Publication Export	Instances that have been selected for export for publication.	
128715	Delay export until final report is available	Delay export until final report is available.	
128716	Delay export until clinical information is available	Delay export until clinical information is available.	
128717	Delay export until confirmation of diagnosis is available	Delay export until confirmation of diagnosis is available.	
128718	Delay export until histopathology is available	Delay export until histopathology is available.	
128719	Delay export until other laboratory results are available	Delay export until other laboratory results are available.	
128720	Delay export until patient is discharged	Delay export until patient is discharged.	
128721	Delay export until patient dies	Delay export until patient dies.	
128722	Delay export until expert review is available	Delay export until expert review is available.	
128723	Teaching File Category	The category that describes the subject matter of a teaching file. E.g., a selection from the American Board of Radiology (ABR) subject headings.	
128724	Level of Difficulty	The level of difficult that the material represents. E.g., advanced.	
128725	Primary level	The teaching material is of a primary level of difficulty.	
128726	Intermediate level	The teaching material is of an intermediate level of difficulty.	
128727	Advanced level	The teaching material is of an advanced level of difficulty.	

Code Value	Code Meaning	Definition	Notes
128728	Musculoskeletal imaging subject matter	The subject matter pertains to musculoskeletal imaging.	
128729	Pulmonary imaging subject matter	The subject matter pertains to pulmonary imaging.	
128730	Cardiovascular imaging subject matter	The subject matter pertains to cardiovascular imaging.	
128731	Gastrointestinal imaging subject matter	The subject matter pertains to gastrointestinal imaging.	
128732	Genitourinary imaging subject matter	The subject matter pertains to genitourinary imaging.	
128733	Neuroimaging subject matter	The subject matter pertains to neuroimaging .	
128734	Vascular and interventional imaging subject matter	The subject matter pertains to vascular and interventional imaging.	
128735	Nuclear medicine imaging subject matter	The subject matter pertains to nuclear medicine imaging.	
128736	Ultrasound imaging subject matter	The subject matter pertains to ultrasound imaging.	
128737	Pediatric imaging subject matter	The subject matter pertains to pediatric imaging.	
128738	Breast imaging subject matter	The subject matter pertains to breast imaging.	
128739	UDI	The entire Human Readable Form of the Unique Device Identifier as defined by the Issuing Agency.	See Section 10.29.1 “Unique Device Identifier” in PS3.3.
128740	Longitudinal Temporal Offset from Event	An offset in time from a particular event of significance. In the context of a clinical trial, this is often the time since enrollment, or the baseline imaging study.	
128741	Longitudinal Temporal Event Type	The type of event to which a temporal offset is relative.	
128750	Equipment Landmark	A well-known landmark of the equipment that is visible by the operator.	
128751	Center of Table Head	An equipment landmark on the X-Ray Table head located on the table top plane, centered in the left-right direction of the table.	
128752	Equipment Landmark X Position	The X coordinate of the Equipment Landmark in the Table Coordinate System.	
128753	Equipment Landmark Z Position	The Z coordinate of the Equipment Landmark in the Table Coordinate System.	
128754	Patient Location Fiducial	A patient fiducial used to establish the patient location relative to equipment.	
128756	Equipment Landmark to Patient Fiducial Z Distance	The distance in the Z direction from the Equipment Landmark to the Patient Location Fiducial in the Table Coordinate System. Positive when the direction from the Equipment Landmark to the Patient Location Fiducial lies in the positive Z direction.	
128757	Positioner Isocenter Primary Angle	Angle in the XY plane of the isocenter reference system between the Y axis and a plane containing the Z axis and the X-Ray center beam (deg).	Corresponds to Positioner Isocenter Primary Angle (0018,9463). See “Positioner Coordinate System” in PS3.3.

Code Value	Code Meaning	Definition	Notes
128758	Positioner Isocenter Secondary Angle	Angle, in the plane containing the Z axis of the isocenter reference system and the X-Ray center beam, between the XY plane and the X-Ray center beam (deg).	Corresponds to Positioner Isocenter Secondary Angle (0018,9464). See “Positioner Coordinate System” in PS3.3.
128759	Positioner Isocenter Detector Rotation Angle	Rotation of the X-Ray detector plane (deg).	Corresponds to Positioner Isocenter Detector Rotation Angle (0018,9465). See “Positioner Coordinate System” in PS3.3.
128760	Positioner Isocenter Primary End Angle	Position of the X-Ray center beam in the isocenter reference system in the X direction (deg) at the end of an irradiation event.	See (128757, DCM, "Positioner Isocenter Primary Angle") [1340].
128761	Positioner Isocenter Secondary End Angle	Position of the X-Ray center beam in the isocenter reference system in the Z direction (deg) at the end of an irradiation event.	See (128758, DCM, "Positioner Isocenter Secondary Angle") [1341].
128762	Positioner Isocenter Detector Rotation End Angle	Rotation of the X-Ray detector plane (deg) at the end of an irradiation event.	See (128759, DCM, "Positioner Isocenter Detector Rotation Angle") [1341].
128763	Table Head Tilt End Angle	Angle of the head-feet axis of the table (deg) relative to the horizontal plane at the end of an irradiation event.	See (113754, DCM, "Table Head Tilt Angle") [1245].
128764	Table Horizontal Rotation End Angle	Rotation of the table in the horizontal plane (deg) at the end of an irradiation event.	See (113755, DCM, "Table Horizontal Rotation Angle") [1245].
128765	Table Cradle Tilt End Angle	Angle of the left-right axis of the table (deg) relative to the horizontal plane at the end of an irradiation event.	See (113756, DCM, "Table Cradle Tilt Angle") [1245].
128766	Table X Position to Isocenter	X position of the Table Reference Point with respect to the Isocenter (mm).	See “Table Coordinate System” in PS3.3.
128767	Table Y Position to Isocenter	Y position of the Table Reference Point with respect to the Isocenter (mm).	See “Table Coordinate System” in PS3.3.
128768	Table Z Position to Isocenter	Z position of the Table Reference Point with respect to the Isocenter (mm).	See “Table Coordinate System” in PS3.3.
128769	Table X End Position to Isocenter	X position of the Table Reference Point with respect to the Isocenter (mm) at the end of an irradiation event.	See (128766, DCM, "Table X Position to Isocenter") [1341].
128770	Table Y End Position to Isocenter	Y position of the Table Reference Point with respect to the Isocenter (mm) at the end of an irradiation event.	See (128767, DCM, "Table Y Position to Isocenter") [1341].
128771	Table Z End Position to Isocenter	Z position of the Table Reference Point with respect to the Isocenter (mm) at the end of an irradiation event.	See (128768, DCM, "Table Z Position to Isocenter") [1341].
128772	Reference Basis	The anatomical feature or point of reference on which the reference location is based.	
128773	Reference Geometry	Characterizes the geometry of the reference location (e.g., a plane or point).	
128774	Person Observer's Login Name	Login name (user ID) of human observer who created the observations.	
128775	Identifier within Person Observer's Role	An alphanumeric designator of an individual within a role.	

Code Value	Code Meaning	Definition	Notes
128776	Gray Level Run Length Matrix	The tabulation of gray level run lengths in a particular direction in an image. Abbreviated GLRLM. See [IBSI Features].	
128777	Gray Level Size Zone Matrix	A tabulation of counts of the number of groups of connected voxels with a specific discretized gray level value and size. Abbreviated GLSZM. See [IBSI Features].	
128778	Gray Level Distance Zone Matrix	A tabulation of counts of the number of groups (or zones) of linked voxels that share a specific discretised grey level value and possess the same distance to ROI edge. Abbreviated GLDZM. See [IBSI Features].	
128779	Neighbourhood Grey Tone Difference Matrix	A matrix containing the sum of grey level differences of pixels/voxels with a discretised grey level and average discretised grey level of neighbouring pixels/voxels within a specified Chebyshev distance. Abbreviated NGTDM. See [IBSI Features].	
128780	Neighbouring Grey Level Dependence Matrix	A tabulation of the counts of dependent (within a specified coarseness parameter) neighbouring discretised grey levels within a specified Chebyshev distance. Abbreviated NGLDM. See [IBSI Features].	
128781	*Joint Maximum of GLCM*	*The probability corresponding to the most common gray level co-occurrence in the GLCM. Abbreviated MAX.* *See $F_{cm.joint.max}$ in [IBSI Features].*	*Retired.* *Replaced by (GYBY, IBSI, "Joint Maximum of GLCM").*
128782	*Joint Average of GLCM*	*The gray level weighted sum of joint probabilities of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.joint.avg}$ in [IBSI Features].*	*Retired.* *Replaced by (60VM, IBSI, "Joint Average of GLCM").*
128783	*Joint Variance of GLCM*	*The sum of squares of the difference from the joint average of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.joint.var}$ in [IBSI Features].*	*Retired.* *Replaced by (UR99, IBSI, "Joint Variance of GLCM").*
128784	*Difference Average of GLCM*	*The average for the diagonal probabilities of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.diff.avg}$ in [IBSI Features].*	*Retired.* *Replaced by (TF7R, IBSI, "Difference Average of GLCM").*
128785	*Difference Variance of GLCM*	*The variance for the diagonal probabilities of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.diff.var}$ in [IBSI Features].*	*Retired.* *Replaced by (D3YU, IBSI, "Difference Variance of GLCM").*
128786	*Difference Entropy of GLCM*	*The entropy for the diagonal probabilities of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.diff.entr}$ in [IBSI Features].*	*Retired.* *Replaced by (NTRS, IBSI, "Difference Entropy of GLCM").*

Code Value	Code Meaning	Definition	Notes
128787	*Sum Average of GLCM*	*The average for the cross-diagonal probabilities of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.sum.avg}$ in [IBSI Features].*	*Retired.* *Replaced by (ZGXS, IBSI, "Sum Average of GLCM").*
128788	*Sum Variance of GLCM*	*The variance for the cross-diagonal probabilities of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.sum.var}$ in [IBSI Features].*	*Retired.* *Replaced by (OEEB, IBSI, "Sum Variance of GLCM").*
128789	*Sum Entropy of GLCM*	*The entropy for the cross-diagonal probabilities of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.sum.entr}$ in [IBSI Features].*	*Retired.* *Replaced by (P6QZ, IBSI, "Sum Entropy of GLCM").*
128790	*Inverse Difference of GLCM*	*The inverse difference of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.inv.diff}$ in [IBSI Features].*	*Sometimes referred to as "homogeneity" but that term is historically used to refer to the "inverse difference moment", which is calculated from the square of differences rather than absolute value of them.* *Retired.* *Replaced by (IB1Z, IBSI, "Inverse Difference of GLCM").*
128791	*Inverse Difference Normalized of GLCM*	*The normalized inverse difference of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.inv.diff.norm}$ in [IBSI Features].*	*The US not UK spelling of "normalized" is used to be consistent with the DICOM convention, rather than the IBSI spelling.* *Retired.* *Replaced by (NDRX, IBSI, "Normalized Inverse Difference of GLCM").*
128792	*Inverse Difference Moment Normalized of GLCM*	*The normalized inverse difference moment of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.inv.diff.mom.norm}$ in [IBSI Features].*	*The US not UK spelling of "normalized" is used to be consistent with the DICOM convention, rather than the IBSI spelling.* *Retired.* *Replaced by (1QCO, IBSI, "Normalized Inverse Difference Moment of GLCM").*
128793	*Inverse Variance of GLCM*	*The inverse variance of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.inv.var}$ in [IBSI Features].*	*Retired.* *Replaced by (E8JP, IBSI, "Inverse Variance of GLCM").*
128794	*Autocorrelation of GLCM*	*The autocorrelation of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.auto.corr}$ in [IBSI Features].*	*Retired.* *Replaced by (QWB0, IBSI, "Autocorrelation of GLCM").*

Code Value	Code Meaning	Definition	Notes
128795	*Cluster Tendency of GLCM*	*The cluster tendency of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.clust.tend}$ in [IBSI Features].*	*Retired.* *Replaced by (DG8W, IBSI, "Cluster Tendency of GLCM").*
128796	*Cluster Shade of GLCM*	*The cluster shade of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.clust.shade}$ in [IBSI Features].*	*Retired.* *Replaced by (7NFM, IBSI, "Cluster Shade of GLCM").*
128797	*Cluster Prominence of GLCM*	*The cluster prominence of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.clust.prom}$ in [IBSI Features].*	*Retired.* *Replaced by (AE86, IBSI, "Cluster Prominence of GLCM").*
128798	*First Measure of Information Correlation of GLCM*	*The first measure of information correlation of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.info.corr.1}$ in [IBSI Features].*	*Retired.* *Replaced by (R8DG, IBSI, "First Measure of Information Correlation of GLCM").*
128799	*Second Measure of Information Correlation of GLCM*	*The second measure of information correlation of a Gray Level Co-occurrence Matrix (GLCM).* *See $F_{cm.info.corr.2}$ in [IBSI Features].*	*Retired.* *Replaced by (JN9H, IBSI, "Second Measure of Information Correlation of GLCM").*
128801	*Short Runs Emphasis*	*A measure of the distribution of short runs in a gray level run length matrix. Abbreviated SRE.* *See $F_{rlm.sre}$ in [IBSI Features].*	*Retired.* *Replaced by (22OV, IBSI, "Short Runs Emphasis").*
128802	*Long Runs Emphasis*	*A measure of the distribution of long runs in a gray level run length matrix. Abbreviated LRE.* *See $F_{rlm.lre}$ in [IBSI Features].*	*Retired.* *Replaced by (W4KF, IBSI, "Long Runs Emphasis").*
128803	*Low Gray Level Run Emphasis*	*A measure of the distribution of low gray level values in a gray level run length matrix. Abbreviated LGRE.* *See $F_{rlm.lgre}$ in [IBSI Features].*	*Retired.* *Replaced by (IBSI, IBSI, "Low Gray Level Run Emphasis").*
128804	*High Gray Level Run Emphasis*	*A measure of the distribution of high gray level values in a gray level run length matrix. Abbreviated HGRE.* *See $F_{rlm.hgre}$ in [IBSI Features].*	*Retired.* *Replaced by (G3QZ, IBSI, "High Gray Level Run Emphasis").*
128805	*Short Run Low Gray Level Emphasis*	*A measure of the joint distribution of short runs and low gray level values in a gray level run length matrix. Abbreviated SRLGE.* *See $F_{rlm.srlge}$ in [IBSI Features].*	*Retired.* *Replaced by (HTZT, IBSI, "Short Run Low Gray Level Emphasis").*
128806	*Short Run High Gray Level Emphasis*	*A measure of the joint distribution of short runs and high gray level values in a gray level run length matrix. Abbreviated SRHGE.* *See $F_{rlm.srhge}$ in [IBSI Features].*	*Retired.* *Replaced by (GD3A, IBSI, "Short Run High Gray Level Emphasis").*

Code Value	Code Meaning	Definition	Notes
128807	*Long Run Low Gray Level Emphasis*	*A measure of the joint distribution of long runs and low gray level values in a gray level run length matrix. Abbreviated LRLGE.* *See $F_{rlm.lrlge}$ in [IBSI Features].*	*Retired.* *Replaced by (IVPO, IBSI, "Long Run Low Gray Level Emphasis").*
128808	*Long Run High Gray Level Emphasis*	*A measure of the the joint distribution of long runs and high gray level values in a gray level run length matrix. Abbreviated LRHGE.* *See $F_{rlm.lrhge}$ in [IBSI Features].*	*Retired.* *Replaced by (3KUM, IBSI, "Long Run High Gray Level Emphasis").*
128809	*Gray Level Nonuniformity in Runs*	*A measure of the similarity of gray level values throughout the image in a gray level run length matrix. Abbreviated RLM.GLNU.* *See $F_{rlm.glnu}$ in [IBSI Features].*	*Retired.* *Replaced by (R5YN, IBSI, "Gray Level Nonuniformity in Runs").*
128810	*Gray Level Nonuniformity in Runs Normalized*	*A normalized measure of the similarity of gray level values throughout the image in a gray level run length matrix.* *See $F_{rlm.glnu.norm}$ in [IBSI Features].*	*The US not UK spelling of "normalized" is used to be consistent with the DICOM convention, rather than the IBSI spelling.* *Retired.* *Replaced by (OVBL, IBSI, "Normalized Gray Level Nonuniformity in Runs").*
128811	*Run Length Nonuniformity*	*A measure of the the similarity of the length of runs throughout the image in a gray level run length matrix. Abbreviated RLNU.* *See $F_{rlm.rlnu}$ in [IBSI Features].*	*Retired.* *Replaced by (W92Y, IBSI, "Run Length Nonuniformity").*
128812	*Run Length Nonuniformity Normalized*	*A normalized measure of the the similarity of the length of runs throughout the image in a gray level run length matrix.* *See $F_{rlm.rlnu.norm}$ in [IBSI Features].*	*The US not UK spelling of "normalized" is used to be consistent with the DICOM convention, rather than the IBSI spelling.* *Retired.* *Replaced by (IC23, IBSI, "Normalized Run Length Nonuniformity").*
128813	*Run Percentage*	*A measure of the homogeneity and distribution of runs of an image in a specific direction in a gray level run length matrix. Abbreviated RPC.* *See $F_{rlm.r.perc}$ in [IBSI Features].*	*Retired.* *Replaced by (9ZK5, IBSI, "Run Percentage").*
128814	*Gray Level Variance in Runs*	*The variance in runs for the gray levels in a gray level run length matrix.* *See $F_{rlm.gl.var}$ in [IBSI Features].*	*Retired.* *Replaced by (8CE5, IBSI, "Gray Level Variance in Runs").*
128815	*Run Length Variance*	*The variance in runs for run lengths in a gray level run length matrix.* *See $F_{rlm.rl.var}$ in [IBSI Features].*	*Retired.* *Replaced by (SXLW, IBSI, "Run Length Variance").*

Code Value	Code Meaning	Definition	Notes
128816	*Run Entropy*	*The entropy of runs in a gray level run length matrix.* *See $F_{rlm.rl.entr}$ in [IBSI Features].*	*Retired.* *Replaced by (HJ9O, IBSI, "Run Entropy").*
128821	*Small Zone Emphasis*	*A feature that emphasizes small zones from a gray level size zone matrix. Abbreviated SZE.* *See $F_{szm.sze}$ in [IBSI Features].*	*Retired.* *Replaced by (5QRC, IBSI, "Small Zone Emphasis").*
128822	*Large Zone Emphasis*	*A feature that emphasizes large zones from a gray level size zone matrix. Abbreviated LZE.* *See $F_{szm.lze}$ in [IBSI Features].*	*Retired.* *Replaced by (48P8, IBSI, "Large Zone Emphasis").*
128823	*Low Gray Level Zone Emphasis*	*A feature that emphasizes low gray level zones from a gray level size zone matrix. Abbreviated LGZE.* *See $F_{szm.lgze}$ in [IBSI Features].*	*Retired.* *Replaced by (XMSY, IBSI, "Low Gray Level Zone Emphasis").*
128824	*High Gray Level Zone Emphasis*	*A feature that emphasizes high gray level zones from a gray level size zone matrix. Abbreviated LGZE.* *See $F_{szm.hgze}$ in [IBSI Features].*	*Retired.* *Replaced by (5GN9, IBSI, "High Gray Level Zone Emphasis").*
128825	*Small Zone Low Gray Level Emphasis*	*A feature that emphasizes small zone sizes and low gray levels from a gray level size zone matrix. Abbreviated SZLGE.* *See $F_{szm.szlge}$ in [IBSI Features].*	*Retired.* *Replaced by (5RAI, IBSI, "Small Zone Low Gray Level Emphasis").*
128826	*Small Zone High Gray Level Emphasis*	*A feature that emphasizes small zone sizes and high gray levels from a gray level size zone matrix. Abbreviated SZHGE.* *See $F_{szm.szhge}$ in [IBSI Features].*	*Retired.* *Replaced by (HW1V, IBSI, "Small Zone High Gray Level Emphasis").*
128827	*Large Zone Low Gray Level Emphasis*	*A feature that emphasizes large zone sizes and low gray levels from a gray level size zone matrix. Abbreviated LZLGE.* *See $F_{szm.lzlge}$ in [IBSI Features].*	*Retired.* *Replaced by (YH51, IBSI, "Large Zone Low Gray Level Emphasis").*
128828	*Large Zone High Gray Level Emphasis*	*A feature that emphasizes large zone sizes and high gray levels from a gray level size zone matrix. Abbreviated LZHGE.* *See $F_{szm.lzhge}$ in [IBSI Features].*	*Retired.* *Replaced by (J17V, IBSI, "Large Zone High Gray Level Emphasis").*
128829	*Gray Level Nonuniformity of Zone Counts*	*The distribution of zone counts over the gray values in a gray level size zone matrix. Abbreviated SZM.GLNU.* *See $F_{szm.glnu}$ in [IBSI Features].*	*Retired.* *Replaced by (JNSA, IBSI, "Gray Level Nonuniformity of Size Zone Counts").*

Code Value	Code Meaning	Definition	Notes
128830	*Gray Level Nonuniformity of Zone Counts Normalized*	*The normalized distribution of zone counts over the gray values in a gray level size zone matrix.* *See $F_{szm.glnu.norm}$ in [IBSI Features].*	*The US not UK spelling of "normalized" is used to be consistent with the DICOM convention, rather than the IBSI spelling.* *Retired.* *Replaced by (Y1RO, IBSI, "Normalized Gray Level Nonuniformity of Size Zone Counts").*
128831	*Zone Size Nonuniformity*	*The distribution of zone counts over the different zone sizes in a gray level size zone matrix. Abbreviated ZSNU.* *See $F_{szm.zsnu}$ in [IBSI Features].*	*Retired.* *Replaced by (4JP3, IBSI, "Zone Size Nonuniformity").*
128832	*Zone Size Nonuniformity Normalized*	*The normalized distribution of zone counts over the different zone sizes in a gray level size zone matrix.* *See $F_{szm.zsnu.norm}$ in [IBSI Features].*	*The US not UK spelling of "normalized" is used to be consistent with the DICOM convention, rather than the IBSI spelling.* *Retired.* *Replaced by (VB3A, IBSI, "Normalized Zone Size Nonuniformity").*
128833	*Zone Percentage*	*The fraction of the number of realised zones relative to the maximum number of potential zones in a gray level size zone matrix. Abbreviated ZPERC.* *See $F_{szm.z.perc}$ in [IBSI Features].*	*Retired.* *Replaced by (P30P, IBSI, "Size Zone Percentage").*
128834	*Gray Level Variance in Zones*	*The variance ithe variance in zone counts for the gray levels in a gray level size zone matrix.* *See $F_{szm.gl.var}$ in [IBSI Features].*	*Retired.* *Replaced by (BYLV, IBSI, "Gray Level Variance in Size Zones").*
128835	*Zone Size Variance*	*The variance in zone counts for the different zone sizes in a gray level size zone matrix.* *See $F_{szm.zs.var}$ in [IBSI Features].*	*Retired.* *Replaced by (3NSA, IBSI, "Zone Size Variance").*
128836	*Zone Size Entropy*	*The entropy of zone sizes in a gray level size zone matrix.* *See $F_{szm.zs.entr}$ in [IBSI Features].*	*Retired.* *Replaced by (GU8N, IBSI, "Zone Size Entropy").*
129001	Eligibility Reader	Person who looks at and interprets medical images against defined criteria for the purpose of establishing eligibility of the subject of said images to be enrolled in a research experiment or a clinical trial.	
129002	Designator	Person who designates locations on medical images (such as the location of lesions) for other persons or devices to measure or interpret. E.g., for the purpose of consistent target lesion selection for application of therapeutic response criteria by multiple independent readers.	

Code Value	Code Meaning	Definition	Notes
129003	Image Quality Controller	Person who reviews medical images to evaluate the compliance of said images with quality criteria.	
129004	Results Quality Controller	Person who reviews results derived from medical images to evaluate the compliance of said results with quality criteria.	
129010	Edited Model	A reference to a predecessor model that has been edited to produce the current model. For example: inclusion of more organs, completion of a partial segmentation, insertion of a bisection plane to allow interior inspection, or addition of support material.	
129011	Component Model	A reference to a predecessor model that contributed to the creation of the current combined model. This includes simple assembly of discrete pieces as well as more complex combination. For example: by Boolean mathematical and similar operations.	
129012	Educational Intent	Intended for educational purposes. For example: patient or care-giver education/informed consent, or training residents and fellows.	
129013	Planning Intent	Intended to be used to assist with procedure planning	
129014	Tool Fabrication	Intended to be used to manufacture a patient-matched tool that is employed during a medical procedure. For example: drill/cutting guides, immobilizers, radiation shields, and plate bending templates.	
129015	Prosthetic Fabrication	Intended to be used to manufacture a fully external prosthetic/orthotic	
129016	Implant Fabrication	Intended to be used to manufacture a wholly or partially internal implant	
129017	Simulation Intent	Intended to be used for simulation and/or practice of a surgery or other medical procedure. "Simulation" is not used for patient-matched simulation, as this would be covered by "Diagnostic Intent" or "Planning Intent".	
129018	US 3D CAM model	A 3D manufacturing model derived from ultrasound imaging.	
129019	Mixed Modality 3D CAM model	A 3D manufacturing model derived from images from multiple different modalities.	
129020	Photogrammetric Imaging 3D CAM model	A 3D manufacturing model derived from measurements made from photographs.	
129021	Laser Scanning 3D CAM model	A 3D manufacturing model derived from laser scanning measurements.	
129100	Fat fraction	The fraction of fat present, derived using Dixon or other techniques.	
129101	Water/fat in phase	Water/Fat In Phase signal, derived using Dixon or other techniques.	
129102	Water/fat out of phase	Water/Fat Out of phase signal, derived using Dixon or other techniques.	
129103	Water fraction	The fraction of water present, derived using Dixon or other techniques.	

Code Value	Code Meaning	Definition	Notes
129104	Perfusion image analysis	Analysis of perfusion images.	
129105	Diffusion image analysis	Analysis of diffusion images.	
129106	Diffusion tractography	Estimation of the course of fiber tracts by analysis of anisotropic diffusion.	
129201	Image used for Treatment Planning	Images that have been used in the treatment planning process.	
129202	Image used for Dose Calculation	Images that have been used for dose calculation in the treatment planning process.	
129203	Image Acquired during Treatment	Images that have been acquired during a treatment session.	
129204	Image used as Reference Image for Treatment	Images that are used in a treatment session as reference images to position the patient.	
129210	Registration used in Planning	Registrations that have been used in the treatment planning process	
129211	Registration created during Treatment	Registrations that have been created in the execution of a treatment session	
129301	Coil Marker	A coil-shaped marker visible in an image.	
129303	Cylinder Marker	A cylinder-shaped marker visible in an image.	
129305	Wire Marker	A thread or rod-shaped marker visible in an image.	
129306	Transponder Marker	A marker that receives a radio signal and transmits a response.	
129308	MR Marker	A marker containing a substance that produces a distinctive signal on MR images.	
129309	Infrared Reflector Marker	Infrared reflecting external marker, e.g., attached to skin or stereotactic frame.	
129310	Visible Reflector Marker	Visible light reflecting external marker, e.g., attached to skin or stereotactic frame.	
129320	Effective Atomic Number	The average atomic number for a compound or mixture of materials. There are a variety of methods for estimating this value for a given compound.	
129321	Modified Hounsfield Unit	Modified pixel values within the Hounsfield Unit Value range.	
129322	Value-based Image	Each real-world value mapped pixel represents a certain value for a specified material (the exact interpretation of the value range has to be defined by the user).	
129323	Material Specific Image	Each real-world value mapped pixel value represents a property the attenuation of a material such as attenuation, concentration or density.	
129324	Material Removed Image	Image with the attenuation contribution of one or more materials removed. For pixels that did not contain any of the removed material(s), the pixel values are unchanged.	
129325	Material Highlighted Image	Image where pixel values have been modified to highlight a certain target material by partially suppressing the background and/or by enhancing the modified material.	
129326	Material Suppressed Image	Image where pixel values have been modified to partially suppress the modified material (opposite to Material Highlighted image).	
129327	Material Recalculated Image	Image where pixels are recalculated by a vendor-specific method.	

Code Value	Code Meaning	Definition	Notes
129328	Volume Occupancy Image	Each real-world value mapped pixel represents a fraction, by volume, occupied by the material.	
129329	Mass Occupancy Image	Each real-world value mapped pixel represents a fraction, by mass, occupied by the material.	
130001	Minimum Surface Radiation Dose	An objective to achieve a radiation dose which is greater than or equal to the specified radiation dose at the surface of a volume.	
130002	Maximum Surface Radiation Dose	An objective to achieve a radiation dose which is less than or equal to the specified radiation dose at the surface of a volume.	
130003	Minimum Radiation Dose	An objective to achieve a radiation dose which is greater than or equal to the specified radiation dose throughout a volume.	
130004	Maximum Radiation Dose	An objective to achieve a radiation dose which is less than or equal to the specified radiation dose throughout a volume.	
130005	Minimum Mean Radiation Dose	An objective to achieve a mean radiation dose over the volume which is greater than or equal to the specified radiation dose.	
130006	Maximum Mean Radiation Dose	An objective to achieve a mean radiation dose over the volume which is less than or equal to the specified radiation dose.	
130007	Minimum Equivalent Uniform Dose	An objective to achieve an equivalent uniform dose (EUD) which is greater than or equal to the specified radiation dose.	
130008	Maximum Equivalent Uniform Dose	An objective to achieve an equivalent uniform dose (EUD) which is less than or equal to the specified radiation dose.	
130009	Prescription Radiation Dose	An objective to achieve a radiation dose which is equal to the specified radiation dose throughout the volume.	
130010	Minimum Conformity Index	An objective to achieve a conformity index which is greater than or equal to the specified conformity index for a radiation dose which is equal to the specified radiation dose throughout the volume. Minimum Conformity Index as defined in [Feuvret], page 335.	
130011	Minimum Healthy Tissue Conformity Index	An objective to achieve a healthy tissue conformity index which is greater than or equal to the specified healthy tissue conformity index for a radiation dose which is equal to the specified radiation dose throughout the volume. Minimum Healthy Tissue Conformity Index as defined in [Feuvret], page 335.	
130012	Minimum Conformation Number	An objective to achieve a conformation number which is greater than or equal to the specified conformation number greater for a radiation dose which is equal to the specified radiation dose throughout the volume. Minimum Conformation Number as defined in [Feuvret], page 335.	

Code Value	Code Meaning	Definition	Notes
130013	Maximum Homogeneity Index	An objective to achieve a homogeneity index which is less than or equal to the specified homogenity index for a radiation dose which is equal to the specified radiation dose throughout the volume. Maximum Homogeneity Index as defined in [Feuvret], page 335.	
130014	Minimum Percent Volume at Radiation Dose	An objective to achieve a radiation dose which is greater than or equal to the specified radiation dose for at least a specified volume percentage.	
130015	Maximum Percent Volume at Radiation Dose	An objective to achieve a radiation dose which is less than or equal to the specified radiation dose for at least a specified "volume percentage.	
130016	Minimum Absolute Volume at Radiation Dose	An objective to achieve a radiation dose which is greater than or equal to the specified radiation dose for at least a specified volume size.	
130017	Maximum Absolute Volume at Radiation Dose	An objective to achieve a radiation dose which is less than or equal to the specified radiation dose for at least a specified volume size.	
130018	Minimize Meterset	An objective to minimize the total meterset.	
130019	Specified Radiation Dose	The radiation dose value for a Dosimetric Objective.	
130020	Specified Volume Size	The specified volume size of an anatomical region in a Dosimetric Objective.	
130021	Specified Volume Percentage	The percentage which represents a fractional parameter used by a Dosimetric Objective.	
130022	Radiation Characteristics Note	Free text note describing characteristics of the radiation.	
130023	Beam Shaping Note	Free text note describing the devices and techniques used to shape the radiation beam.	
130024	Treatment Planning Note	Free text note to describe suggestions or advice to treatment planning.	
130025	Special Procedure Note	Free text note describing additional activities that address individual patient needs.	
130026	Patient Positioning Note	Free text note describing the process to position the patient for the procedure.	
130027	4D Radiation Treatment Note	Free text note describing management of patient motion during the radiation treatment.	
130028	Patient Setup Note	Free text note describing the setup of the patient on the patient support device(s).	
130029	Previous Treatment Note	Free text note describing previously delivered treatments.	
130030	Planning Imaging Note	Free text note describing the intended use of images for planning.	
130031	Delivery Verification Note	Free text note describing how delivery is to be verified.	
130032	Simulation Note	Free text note describing preferred simulation procedures.	
130033	Radiation Therapy Particle	Particle used for Radiotherapy treatment.	
130034	RT Beam Energy	Energy of the Radiotherapy treatment beam.	
130035	Patient Positioning Procedure Note	Free text note describing the procedure "for acquiring and applying information about patient position.	

Code Value	Code Meaning	Definition	Notes
130036	QA Process Note	Free text note describing the Quality Assurance Process for the treatment of the patient.	
130037	Ion Therapy Particle	Particle for a radiotherapeutic treatment using beams of energetic protons, positive ions or other particles.	
130038	Brachytherapy Isotope	Isotope for a radiotherapeutic treatment where a decaying radiation source is placed inside or next to a target area, called Brachytherapy.	
130039	Adaptive Radiation Therapy Note	Free text note describing how adaptive radiotherapy is to be performed.	
130040	Teletherapy Isotope	Isotope for a radiotherapeutic treatment where a decaying radiation source is placed outside the body.	
130041	RT Target	Volume containing tissues to be irradiated to a specified radiation dose, typically encompassing a tumor, and possibly including surrounding subclinical disease, and margin(s) to account for uncertainties in patient positioning and organ motion.	
130042	RT Dose Calculation Structure	Non-target structure or volume used when calculating the radiation dose, e.g. during an optimzation process. This may be a structure whose proximity to the target and/or radiosensitivity restrict the radiation dose deliverable to the target.	
130043	RT Geometric Information	Points or volumes used as spatial references, e.g., treatment or imaging device isocenter or fiducial markers.	
130044	Fixation or Positioning Device	Device used to reproducibly position or limit the motion of a patient or portion of a patient during treatment.	
130045	Brachytherapy Device	Device used to deliver Brachtherapy treatments. This includes both devices containing radioactive sources (seeds, eye plaques) and devices used to position radioactive sources (source applicators, channels etc.).	
130046	Non-specific Volume	A volume that does not represent a named physical entity.	
130047	External Body Structure	A volume representing the external shape of the patient body used in radiotherapeutic procedures.	
130048	Unclassified Volume	A volume that does not correspond to an identifiable physical entity and has user specified boundaries.	
130049	CTV Nodal	Clinical Target Volume encompassing diseased lymph node(s) , with margin to include surrounding sub-clinical disease as defined in [ICRU Report 50].	
130050	CTV Primary	Clinical Target Volume encompassing primary tumor(s) , with margin to include surrounding sub-clinical disease as defined in [ICRU Report 50].	
130051	GTV Nodal	Gross Tumor Volume encompassing diseased lymph nodes as defined in [ICRU Report 50].	
130052	GTV Primary	Gross Tumor Volume encompassing primary tumor(s) as defined in [ICRU Report 50].	
130053	PTV Nodal	Planning Target Volume encompassing a nodal CTV, with margin to account for uncertainty in patient positioning and organ motion as defined in [ICRU Report 50].	

Code Value	Code Meaning	Definition	Notes
130054	PTV Primary	Planning Target Volume encompassing a primary CTV, with margin to account for uncertainty in patient positioning and organ motion as defined in [ICRU Report 50].	
130055	Entire Body Target Volume	Entire Body as a target volume for radiotherapy treatment. The usual term for a treatment technique irradiating this target is Full Body Irradiation.	
130056	ITV	Internal Target Volume encompassing the CTV, with margin to account for internal motion, often delineated using multiple images, e.g., acquired over a breathing cycle, cardiac cycle, etc, as defined in [ICRU Report 50].	
130057	Planning Organ At Risk Volume	Volume encompassing the Organ At Risk (Planning organ at Risk Volume) with margin to account for uncertainty in patient positioning and organ motion as defined in [ICRU Report 50].	
130058	Avoidance Volume	Volume to which delivered radiation dose should be minimized or limited as defined in [ICRU Report 50].	
130059	Treated Volume	Volume enclosed by an isodose surface appropriate to achieve the purpose of treatment (e.g., tumor eradication or palliation) as defined in [ICRU Report 50].	
130060	Organ At Risk	Normal tissue that receives undesired radiation and may be damaged by the radiation treatment as defined in [ICRU Report 50]. The treatment is typically planned to limit the radiation dose to such an organ.	
130061	Radiation Dose Shaping Volume	A volume used to express dosimetric constraints for shaping the radiation dose distribution.	
130062	Conformality Shell	A volume surrounding the target to achive a high radiation dose gradient using a low radiation dose constraint.	
130063	Radiation Dose Normalization Point	A point for which a specific radiation dose value is chosen. The rest of the radiation dose distribution is normalized against" this value.	
130064	Radiation Dose Reference Point	A point at which the radiation dose is observed.	
130065	Dose Calculation Bounding Volume	Volume for which radiation dose is calculated.	
130066	Radiation Interaction Volume	Volume in which the interaction of radiation with matter is taken into account.	
130067	Patient Anatomy Model	The external boundary of patient tissue without additional devices.	
130068	Extended Patient Anatomy Model	The external boundary of patient tissue plus devices that may be attached or adjacent to the body (such as Bolus, Patient Support Devices, Patient Immobilization Devices).	
130069	Patient Setup Point	Point at which the patient is initially positioned prior to any other positioning procedure.	
130070	Room Laser Patient Setup Point	A reference point used for patient setup based on room lasers.	
130071	Moveable Laser Patient Setup Point	A reference point used for patient setup based on movable lasers.	
130072	Reference Acquisition Point	A reference point at which patient position verification references are acquired.	

Code Value	Code Meaning	Definition	Notes
130073	Isocentric Treatment Location Point	A point representing the machine isocenter.	
130074	Specified Conformity Index	The Conformity Index for a Dosimetric Objective as defined in [Feuvret], page 335.	
130075	Specified Healthy Tissue Conformity Index	The Healthy Tissue Conformity Index for a Dosimetric Objective as defined in [Feuvret], page 335.	
130076	Specified Conformation Number	The Conformation Number for a Dosimetric Objective as defined in [Feuvret], page 335.	
130077	Specified Homogeneity Index	The Homogeneity Index for a Dosimetric Objective as defined in [Feuvret], page 335.	
130078	Brachytherapy Source Applicator	Source applicator used in brachytherapy treatment delivery	
130079	Brachytherapy Channel Shield	Channel shield device used in brachytherapy treatment delivery	
130080	Brachytherapy Channel	Channel device used in brachytherapy treatment delivery	
130081	Unclassified Combination	A logical combination of two or more volumes for which the combination is not classified.	
130082	Relative Mass Density	Ratio of the mass density of a material relative to the mass density of water.	
130083	Relative Electron Density	Ratio of the electron density of a material relative to the electron density of water.	
130084	Effective Z	The average atomic number of a material.	
130085	Effective Z per A	Ratio of effective atomic number to mass (AMU^{-1}) for a material.	
130086	Relative Linear Stopping Power	Ratio of the linear stopping power of a material to the linear stopping power of water.	
130087	Reference Energy	An energy value which qualifies a quantity or parameter whose value is defined in respect to this energy.	
130088	Linear Cell Kill Factor	Linear Cell Kill Factor (α) as defined in J. Deacon et al (Rad. Onc 2(4) : 317-323, 1984), page 318-	
130089	Quadratic Cell Kill Factor	Quadratic Cell Kill Factor (β) as defined in J. Deacon et al (Rad. Onc 2(4) : 317-323, 1984), page 318.	
130090	High Dose Fraction Linear Cell Kill Factor	High Dose Fraction Linear Cell Kill Factor (γ) as defined in Frederick W. McKenna et (J. Med. Phys, 36(2) : 100-106, 2011), page 102.	
130091	Half-time for Tissue Repair	Half-time for Tissue Repair as defined in R Singh R, et al. (Medical Dosimetry 28(4) : 225-259, 2003), page 256.	
130092	High Dose Fraction Transition Dose	High Dose Fraction Transition Dose as defined in Astrahan, M. (Med. Phys., 35(9) : 4161-4172, 2008), page 4164.	
130093	Atomic Number	The atomic number of an element, i.e. the number of protons found in the nucleus of an atom.	
130094	Elemental Composition Atomic Mass Fraction	The fractional weight of the element in a compound.	

Code Value	Code Meaning	Definition	Notes
130095	alpha gEUD Value	Tissue-specific parameter that describes the volume effect of radiation dose delivered to a volume. See AAPM Report 166 (http://www.aapm.org/pubs/reports/RPT_166.pdf) for additional information.	
130096	Single Fraction	A treatment consisting of a single treatment fraction, e.g. for stereotactic treatments.	
130097	Standard Fractionation	A treatment consisting of a one treatment fraction per day, typically 1.8-2.0 Gy per treatment fraction.	
130098	Hypo-fractionation	A treatment consisting of a reduced number of treatment fractions relative to a standard fractionation, typically with a higher radiation dose per fraction.	
130099	Hyper-fractionation	A treatment consisting of an increased number of fractions relative to a standard fractionation, typically two per day with smaller radiation dose per fraction.	
130100	Continuous Temporary	A treatment consisting of a continuous delivery using a temporary implant.	
130101	Continuous Permanent	A treatment consisting of a continuous delivery using a permanent implant.	
130102	Static Beam	A treatment technique in which the field shape and the source position do not change during delivery.	
130103	Arc Beam	A treatment technique in which the field shape does not change during delivery while the source position follows an arc.	
130104	Conformal Arc Beam	A treatment technique in which the field shape changes during delivery while the source position follows an arc.	
130105	Step and Shoot Beam	A treatment technique in which the field shape does not change during an exposure. Several field shapes may be used in different exposures at the same source position.	
130106	Sliding Window Beam	A treatment technique in which the field shape continously changes during an exposure at the same source position.	
130107	VMAT	A treatment technique in which the field shape, gantry speed and radiation dose rate changes during delivery while the source position follows an arc. Volumetric Modulated Arc Therapy (VMAT).	
130108	Helical Beam	A treatment technique in which the field shape continously changes during delivery while the source position follows a continous arc in parallel to a simultaneous patient support movement.	
130109	Topographic Beam	A treatment technique in which the field shape and the source position do not change during" delivery while the patient support is moving.	
130110	Headframe	A device attached to the tabletop that is also screwed into the skull of the patient's head to position and orient the head in a prescribed geometry relative to the tabletop. The device is commonly known as a "halo".	

Code Value	Code Meaning	Definition	Notes
130111	Head Mask	A device that is placed over the patient's face and attached to the tabletop to prevent the patient from moving relative to the tabletop.	
130112	Head and Neck Mask	A device that is placed over the patient's face and neck and attached to the tabletop to prevent the patient from moving relative to the tabletop.	
130113	Mold	A device that is modified by pressure (molded) to fit another object (such as the patient"s anatomy) and then used to control the reproducibility of the patient"s treatment position.	
130114	Cast	A device that is fabricated from a mold of another object (like the patient"s anatomy) and then used to control the reproducibility of the patient"s treatment position.	
130116	Breast Board	A device placed on the tabletop to support the chest and arms of a patient in a prescribed position and orientation.	
130117	Body Frame	A device placed beneath a patient to support the whole body in a prescribed position and orientation relative to the table top.	
130118	Vacuum Mold	A device placed beneath a patient to support a body part in a prescribed position and orientation relative to the table top. It is commonly a bag containing low density polystyrene spheres that becomes semi-hard when vacuum is applied conforming to the bottom surface of the patient.	
130119	Whole Body Pod	A device placed beneath a patient to support the whole body in a prescribed position and orientation relative to the table top. It is commonly shaped like a hollow half cylinder. The space between the patient and the wall is commonly filled with a dual component foam that hardens conforming to the bottom surface of the patient.	
130120	Rectal Balloon	A flexible fluid container inserted into the rectum to maintain an immovable geometry during treatment.	
130121	Vaginal Cylinder	An intracavity cylinder inserted into the vagina to achieve greater radiation dose control and radiation dose shaping. Radioactive sources are inserted into the cylinder for treatment.	
130123	Aperture Block	A device, typically made of a low temperature alloy, such as Lipowitz"s metal, that provides an opening in a beam block with constant attenuation across an area of the beam to prevent or reduce radiation dose delivery to normal tissues.	
130124	Accessory Tray	A device placed into a machine slot or an applicator to which accessories are attached.	
130125	Radiotherapy Applicator	A device placed into a radiotherapy machine slot which provide slot to add other devices and/or to limit the beam.	

Code Value	Code Meaning	Definition	Notes
130126	Radiation transport-based methods	A category of methods for the calculation of effective dose that are based on radiation transport and are used to predict the Relative Biological Effectiveness of an ion beam based on the quality of the radiation used. [Wambersie A, RBE, reference RBE and clinical RBE: Applications of these concepts in hadron therapy, Strahlentherapie und Onkologie 1999 June, 175(2) : 39-43] [Paganetti H, et al., Relative biological effectiveness (RBE) values for proton beam therapy, Int J Rad. Onc Biol Phys, 2002 June; 53(2) : 407-421]	
130127	Fractionation-based or temporally-based methods	A category of methods for the calculation of effective dose that are based on Fractionation or temporal patterns and are used to predict the Biologically Effective Dose. [Thames HD, Hendry JH. Fractionation in radiotherapy. New York: Taylor & Francis; 1987] [Barendsen, G.W (1982) Dose fractionation, dose rate and iso-effect relationships for normal tissue responses, Int. J. Radiat. Oncol. Biol. Phys. 8 (11) : 1981-1997.]	
130128	Local Effect Model	The Local Effect Model (LEM) method used to predict the Relative Biological Effectiveness of dose delivered using ion beams. [Grun, R. Friedrich, T. Elasasser, T. Kramer, M. Zink, K. Karger, C. P. Durante, M. Engenhard-Cabillic, R. Scholz, M. (2012) "Impact of enhancements in the local effect model (LEM) on the predicted RBE-weighted target dose distribution in carbon ion therapy" Physics in Medicine and Biology 57: 7261 - 7274.]	
130129	Microdosimetric Kinetic Model	The Microdosimetric Kinetic Model (MKM) " used to predict the Relative Biological Effectiveness of dose delivered using ion beams. [Inaniwa, T. Furukawa, T. Kase, Y. Matsufuji, N. Toshito, T. Matsumoto, Y. Furusawa, Y. Node, K. (2010) "Treatment planning for a scanned carbon beam with a modified microdosimetric kinetic model" Physics in Medicine and Biology 55: 6721 - 6737.]	
130130	Equivalent 2-Gray Fractions Model	The linear quadratic model usedto compute the equivalent Biologically Effective Dose (BED) delivered in 2 Gray dose fractions. [Fowler JF. The linear-quadratic formula and progress in fractionated radiotherapy. Br J Radiol. 1989 Aug; 62 (740) : 679-94.]	
130131	Linear-Quadratic Model	The linear quadratic model usedto compute the equivalent Biologically Effective Dose (BED) delivered at an infinitely low dose-rate. [Fowler JF, Br J Radiol. 1989; 62: 679-694]	

Code Value	Code Meaning	Definition	Notes
130132	Linear-Quadratic Model with Time Factor	The modified linear quadratic model with time factor method usedto compute the equivalent Biologically Effective Dose (BED) delivered at an infinitely low dose-rate, taking into account tumor repopulation during treatment. [Fowler JF, Semin. Radiat. Oncol. 1992; 2(1) : 16-21]	
130133	Linear-Quadratic-Linear Model	The linear-quadratic-linear dose-response model usedto compute the equivalent Biologically Effective Dose (BED) delivered at an infinitely low dose-rate, taking into account linear cell survival with high dose fractions. [Astrahan M, Med.Phys. 2008; 35: 4161-4172]	
130134	Linear-Quadratic Model for Low-Dose Rate Brachytherapy	The linear-quadratic dose-response model modified for low-dose rate brachytherapy used to compute the equivalent Biologically Effective Dose (BED) delivered at an infinitely low dose-rate. [Sing R, Al-Hallaq H, Med.Dosim. 2003; 28(4) : 225-259]	
130135	Historical RT Prescription	A Radiotherapy prescription prescribed prior to the current prescription.	
130136	RT Prescription Input Images	Image Instances available as input for prescribing a Radiotherapy treatment prescription.	
130137	RT Treatment Planning Input Images	Image Instances available as input for planning a Radiotherapy treatment plan.	
130138	Multiple Fixed Sources	A treatment technique using multiple decaying radiation sources at fixed spatial locations.	
130139	Synchronized Robotic Treatment	A treatment technique using a robotic delivery device with real-time motion tracking and compensation.	
130140	Non-Synchronized Robotic Treatment	A treatment technique using a robotic delivery device without real-time motion tracking and compensation.	
130141	^3^Helium nucleus	Ionized helium atom with 2 protons and 1 neutron.	
130142	^4^Helium nucleus	Ionized helium atom with 2 protons and 2 neutrons.	
130143	^12^Carbon nucleus	Ionized carbon atom with 6 protons and 6 neutrons.	
130144	^16^Oxygen nucleus	Ionized oxygen atom with 8 protons and 8 neutrons.	
130150	Pressure above warning limit	The injector device detected a pressure above the warning threshold, generated a warning and did not automatically terminate the administration.	
130151	Pressure above adjustment limit	The injector device detected a pressure above the adjustment limit, took compensating action and did not automatically terminate the administration.	
130152	Flow rate above warning limit	The injector device detected a flow rate above the warning threshold, generated a warning and did not automatically terminate the administration.	
130153	Flow rate above adjustment limit	The injector device detected a flow rate above the adjustment limit, took compensating action and did not automatically terminate the administration.	
130154	Terminated due to request from operator	The injector device terminated the administration due to detection of an abort request by the operator.	
130155	Fixed duration pause ended	The device detected that a pause duration has been reached and the device resumed automatically.	

Code Value	Code Meaning	Definition	Notes
130156	Terminated due to pressure above termination limit	The injector device detected a pressure above the termination limit and automatically terminated the administration.	
130157	Terminated due to flow rate above termination limit	The injector device detected a flow rate above the termination limit and automatically terminated the administration.	
130158	Terminated due to excessive duration pause	The Injector device detected that a pause duration has exceeded limit and the injector device terminated the administration.	
130159	Terminated due to injector communication loss	The injector device detected a communication loss and automatically terminated the administration.	
130160	Terminated due to unspecified injector failure	The injector device detected an unspecified failure and automatically terminated the administration.	
130161	Keep vein open started	The injector device started saline flow for the purpose of keeping vein open.	
130162	Keep vein open ended	The injector device ended saline flow for the purpose of keeping vein open.	
130163	Syringe attached	The injector device detected that a syringe was attached to the injector.	
130164	Syringe detached	The injector device detected that a syringe was detached from the injector.	
130165	Total Keep Vein Open Volume Administered	Total volume of flush delivered by the keep vein open function of the injector.	
130168	Automatic Administration Phase	An administration phase where fluid is being delivered by an injector system according to the programmed instructions.	
130169	Automatic Programmed Hold Phase	An administration phase where fluid delivery is stopped by the injector system until a programmed time elapses.	
130170	Automatic with Manual Hold Phase	An administration phase where the fluid is delivered automatically by an injector system and stopped under manual control by the operator.	
130171	Automatic with Manual Inject Phase	An administration phase where the fluid is delivered by the injector system under manual control by the operator. E.g., Cardiac Cath.	
130172	Manually Triggered Injection Information	Information only available if injection was triggered manually.	
130173	Automated Administration	An administration mode where the fluid is delivered by a mechanical injector system.	
130174	Manual Administration	An administration mode where the substance is delivered manually E.g., Clinician manual injection of an Imaging Agent or oral consumption by a patient.	
130175	Air detected	The injector device detected air in the tubing or syringe before or during the Imaging Agent administration and did not automatically terminate the administration.	

Code Value	Code Meaning	Definition	Notes
130176	Terminated due to air detected	The injector device detected air in the tubing or syringe and terminated the administration.	
130177	Terminated by scanner	The injector device received instruction from scanner to terminate the administration and terminated the administration.	
130178	Terminated due to critical battery level	The injector device detected critical battery level and terminated the administration.	
130179	Terminated due to consumable removal	The injector device detected removal of a consumable from the injector device and terminated the administration.	
130181	Administration Mode	A code that specifies how the Imaging Agent is administered to the patient.	
130182	Planned Imaging Agent Administration Procedure Report	A report of the planned patient-specific Imaging Agent administration steps.	
130183	Imaging Agent Information	Description of a specific Imaging Agent that was planned or was administered.	
130184	Osmolality at 37C	Number of osmoles of solute per kilogram of solvent at 37°C.	
130185	Osmolarity at 37C	Number of osmoles of solute per liter (L) at 37°C.	
130186	Viscosity at 37C	A measure of a resistance of a fluid to gradual deformation by stress, measured at 37°C.	
130187	Imaging Agent Warmed	Indicates if an Imaging Agent was warmed prior to the administration procedure.	
130188	Contrast Transverse Relaxivity	The degree to which a paramagnetic contrast agent can enhance the proton transverse relaxation rate constant (R2, 1/T2), normalized to the concentration of the contrast agent. Also referred to as r2. Typically expressed in units l/mmol/s.	
130189	Is Ionic	Indicates whether the Imaging Agent is Ionic or non-ionic.	
130190	Dosing Factor	Indicates normalized dose of Imaging Agent per kg of patient weight. Typically recommended by the vendor. For e.g,. grams Iodine per Kg (gI / Kg).	
130191	Imaging Agent Component Usage	Information about use of Imaging Agent component(s).	
130192	Imaging Agent Administration Steps	Information about list of administration steps for administering Imaging Agent.	
130193	Pressure Limit	A limit set at the power injector device indicating the maximum allowed pressure planned for administering the Imaging Agent.	
130194	Time after the start of injection	Time after the start of injection of a delivered Imaging Agent administration.	
130195	Imaging Agent Administration Step	An individual administration step in the Imaging Agent administration plan.	
130196	Imaging Agent Administration Step Identifier	Identifies a step in an Imaging Agent administration plan.	
130197	Imaging Agent Administration Delay	Time difference between the nominal start of the administration step and the actual start of Imaging Agent administration.	

Code Value	Code Meaning	Definition	Notes
130198	Scan Delay	Time delay for start of image acquisition after start of Imaging Agent administration.	
130199	Imaging Agent Administration Steps Description	Description of Imaging Agent administration plan.	
130200	Imaging Agent Administration Protocol Name	Protocol name for Imaging Agent administration.	
130202	Imaging Agent Administration Phase	Information about a delivery phase of an Imaging Agent administration step.	
130203	Imaging Agent Administration Phase Identifier	Identifies a phase in an Imaging Agent administration step.	
130204	Imaging Agent Administration Phase Type	Type of phase in an Imaging Agent administration step.	
130205	Initial Volume of Imaging Agent in Container	The volume of the Imaging Agent in an Imaging Agent container before administration.	
130206	Residual Volume of Imaging Agent in Container	The volume of the Imaging Agent remaining in the Imaging Agent container after administration.	
130207	Rise Time	Time for the injector to build up from zero to the set pressure.	
130208	Starting Flow Rate of administration	Flow rate at the start of an administration of the Imaging Agent.	
130209	Ending Flow Rate of administration	Flow rate at the end of an administration of the Imaging Agent.	
130210	Bolus Shaping Curve	A vendor-specific code indicating the shape of the flow rate curve within an administration phase.	
130211	Imaging Agent Administration Completion Status	The status of the Imaging Agent administration procedure at completion as reported by the automated injector or by the administering person.	
130212	Imaging Agent Administration Adverse Events	Information about adverse events occurring during administration of an Imaging Agent.	
130214	Estimated Extravasation Volume	The estimated volume lost at the injection site. The estimation includes extravasation, paravenous administration and leakage at the injection site.	
130215	Adverse Event Detection DateTime	Date and Time when an adverse event was noticed by the observer.	
130216	Referenced Imaging Agent Administration Step UID	The unique identifier of the Imaging Agent administration step being referenced.	
130217	Referenced Imaging Agent Administration Phase Identifier	The identifier an Imaging Agent administration phase being referenced.	
130218	Programmable Device	Can be configured to execute a series of steps automatically.	
130219	Number of Injector Heads	Number of injector heads or pumps (single, dual or many) in an injector device.	
130220	Administration discontinued	Whether the agent administration was discontinued.	
130221	Imaging Agent Volume per Unit of Presentation	The volume of Imaging Agent in one unit of presentation. The capacity of the unit of presentation may be larger than this.	

Code Value	Code Meaning	Definition	Notes
130222	Imaging Agent Administration Consumable	Information about the Imaging Agent accessory or consumable used for performing the Imaging Agent administration.	
130223	Imaging Agent Administration Consumable Type	Type of consumable used for performing the Imaging Agent administration.	
130224	Consumable is New	If the consumable is installed newly during the preparation process for this Imaging Agent Administration.	
130226	Planned Imaging Agent Administration	Information about the Imaging Agent administration steps that is patient-specific.	
130227	Performed Imaging Agent Administration	Information about the Imaging Agent administration steps that were delivered to a patient.	
130228	Contrast Volume Limit	The maximum volume of contrast agent allowed to be administered. This is typically specified by the prescribing health care professional for patient safety and quality purposes.	
130229	Flow Rate vs Time	Graph depicting the measurement of flow rate of fluid against time.	
130230	Pressure vs Time	Graph depicting the measurement of pressure of fluid against time.	
130231	Barcode Value	The alphanumeric string from reading a barcode.	
130232	Imaging Agent Administration Graph	Information about two-dimensional graph data for a syringe or pump.	
130233	Imaging Agent Administration Injector Events	Information about events that occurred at an injector during an Imaging Agent administration.	
130234	Imaging Agent Administration Injector Event Type	Type of event that occurred at an injector during an Imaging Agent administration.	
130235	Injector Event Detection DateTime	Date and time when an injector event was detected.	
130236	Planned Imaging Agent Administration SOP Instance	Reference to a Planned Imaging Agent Administration SOP instance.	
130237	Imaging Agent Administration Syringe/Pump Phase Activity	Information about the activity of one of the pump or syringe units used in an Imaging Agent administration phase.	
130238	Imaging Agent Component	Information about a component of an Imaging Agent.	
130239	Component Volume	Volume of one agent component in a mixture of multiple components.	
130240	Total Phase Volume Administered	Total volume administered by all syringes/pump actions during a single phase.	
130241	Total Step Volume Administered	Total volume administered by all syringes/pump actions within all phases during a single Step.	
130242	Total number of manually triggered injections	Total number of times that an injection was triggered manually.	
130244	Peak Flow Rate in Phase Activity	Peak flow rate value detected at a specific location (syringe or pump) during a specific activity of an administration phase.	
130245	Peak Pressure in Phase Activity	Peak pressure value detected at a location (syringe or pump) during a single administration phase activity.	

Code Value	Code Meaning	Definition	Notes
130246	Imaging Agent Administration Performed Step UID	Unique identification of a single performed Imaging Agent administration step actually delivered on a specific occasion	
130247	Patency Test Injection	An injection of an inactive agent to test for blockages or leakages in the delivery path, usually performed prior to an administration of an imaging or therapeutic agent.	
130248	Transit Time Test Injection	An injection of a bolus of Imaging Agent to determine the appropriate delay time for a diagnostic administration.	
130249	Diagnostic Administration	Administration of an Imaging Agent for the purpose of enhancing contrast in an image.	
130250	Administration Step Type	Type of step in an Imaging Agent administration. For example, a test administration or a diagnostic administration.	
130251	Flush Administration	Injection of an inactive fluid to clear the administration path of an active agent.	
130252	Negative exponential	A curve that decays exponentially from a specified start value, at a specified decay rate.	
130253	Linear Curve	A curve that changes linearly from a specified start value to a specified end value. Note Note: The start value and the end value may be the same, indicating a flat curve.	
130254	Imaging Agent Identifier	Identifies an Imaging Agent uniquely within a set of Imaging Agents. The Imaging Agent may be a single component or a mix of multiple components.	
130255	Referenced Imaging Agent Identifier	The identifier of an Imaging Agent being referenced.	
130257	Consumable Catheter Type	Type of catheter used for Imaging Agent administration.	
130259	Contrast Reaction Prophylactic Agent	A pharmaceutical agent administered as a pre-medication to prevent contrast reactions.	
130261	Imaging Agent Administration Performed Phase UID	Unique identification of a single Imaging Agent administration performed phase.	
130262	Referenced Imaging Agent Administration Phase UID	The unique identifier of the Imaging Agent administration performed phase being referenced	
130290	Median	Towards the mid-sagittal plane of the body.	
130300	Skin of paraspinal area of the neck	Structure of skin of paraspinal area of the neck.	
130301	Skin of paraspinal area of the superior back	Structure of skin of paraspinal area of the superior back.	
130302	Skin of upper paraspinal region	Structure of skin of upper paraspinal region.	
130303	Skin of mid paraspinal region	Structure of skin of mid paraspinal region.	
130304	Skin of lower paraspinal region	Structure of skin of lower paraspinal region.	
130305	Skin of anterior helix of ear	Structure of skin of anterior helix of ear.	
130306	Skin of caruncle of eye	Structure of skin of caruncle of eye.	
130307	Skin of inferior helix of ear	Structure of skin of inferior helix of ear.	
130308	Skin of inferior posterior surface of the pinna	Structure of skin of inferior posterior surface of the pinna.	

Code Value	Code Meaning	Definition	Notes
130309	Skin of lateral part of dorsum of foot	Structure of skin of lateral part of dorsum of foot.	
130310	Skin of lower antihelix of ear	Structure of skin of lower antihelix of ear.	
130311	Skin of lower eyelid margin	Structure of skin of lower eyelid margin.	
130312	Skin of infraalar groove	Structure of skin of infraalar groove.	
130313	Skin of medial part of dorsum of foot	Structure of skin of medial part of dorsum of foot.	
130314	Skin of paranasal cheek	Structure of skin of paranasal cheek.	
130315	Skin of posterior helix of ear	Structure of skin of posterior helix of ear.	
130316	Skin of posterior lobule of the ear	Structure of skin of posterior lobule of the ear.	
130317	Skin of sole of forefoot	Structure of skin of sole of forefoot.	
130318	Skin of superior antihelix of ear	Structure of skin of superior antihelix of ear.	
130319	Skin of superior posterior helix of ear	Structure of skin of superior posterior helix of ear.	
130320	Skin of superior posterior surface of the pinna	Structure of skin of superior posterior surface of the pinna.	
130321	Skin of upper antihelix of ear	Structure of skin of upper antihelix of ear.	
130322	Skin of upper eyelid margin	Structure of skin of upper eyelid margin.	
130323	Skin of mid back	Structure of skin of mid back.	

E French Language Meanings of Selected Codes Used in the DCMR (Normative)

This Annex defines the French language code meanings for selected codes used in the DCMR.

Table E-1. French Language Meanings of Selected Codes

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
BI	3.0	II.AC.a	0 - Need additional imaging evaluation	0. L'évaluation nécessite des compléments d'imagerie
BI	3.0	II.AC.b.1	1 - Negative	1. Négatif
SCT		129772004	1 o'clock position	Situé à 1 heure
SCT		129781005	10 o'clock position	Situé à 10 heures
SCT		129782003	11 o'clock position	Situé à 11 heures
SCT		129783008	12 o'clock position	Situé à 12 heures
BI	3.0	II.AC.b.2	2 - Benign Finding	2. Constatations bénignes
SCT		129773009	2 o'clock position	Situé à 2 heures
BI	3.0	II.AC.b.3	3 - Probably Benign Finding - short interval follow-up	3. Anomalie probablement bénigne - proposition d'une surveillance à court terme
SCT		129774003	3 o'clock position	Situé à 3 heures
BI	3.0	II.AC.b.4	4 - Suspicious abnormality, biopsy should be considered	4. Anomalie suspecte, une biopsie doit être envisagée
SCT		129775002	4 o'clock position	Situé à 4 heures
BI	3.0	II.AC.b.5	5 - Highly suggestive of malignancy, take appropriate action	5. Haute probabilité de malignité, une action appropriée doit être entreprise
SCT		129776001	5 o'clock position	Situé à 5 heures
SCT		129777005	6 o'clock position	Situé à 6 heures
SCT		129778000	7 o'clock position	Situé à 7 heures
SCT		129779008	8 o'clock position	Situé à 8 heures
SCT		129780006	9 o'clock position	Situé à 9 heures
DCM		112063	Abnormal calcifications	Calcifications anormales
DCM		112028	Abnormal Distribution of Anatomic Structure	Distribution anormale des structures anatomiques
DCM		112004	Abnormal interstitial pattern	Opacité interstitielle
DCM		112061	Abnormal lines (1D)	Lignes anormales (1D)
DCM		112062	Abnormal lucency	Clarté anormale
DCM		112033	Abnormal opacity	Opacité anormale

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		112064	Abnormal texture	Texture anormale Note If the term refers to a localized lesion use "Texture anormale" but if the term refers to the entire lung it is more appropriate to use "Trame anormale".
SCT		44132006	Abscess	Abcès
DCM		112146	Acinar	Acinaire
DCM		112036	ACR Position Statement	Position de l'ACR
SCT		85856004	Acromioclavicular Joint	Articulation acromioclaviculaire
SCT		31934006	Acromion process of scapula	Acromion
SCT		373933003	Acute onset	Aigu
DCM		121078	Addendum	Addendum
DCM		111135	Additional projections	Incidence complémentaire
SCT		11671000	Adenoid cystic carcinoma	Carcinome adénoïde kystique (cylindrome)
SCT		22024005	Adenolipoma	Adénolipome
SCT		32048006	Adenoma	Adénome
SCT		128765009	Adenomyoepithelioma	Adénomyoépithéliome
SCT		57597008	Adenosis	Adénose
SCT		49530007	Afferent	Afférent
DCM		112055	Agatston scoring method	Score de calcification cororaire par la méthode d'Agatston
DCM		112143	Air	Air
DCM		112070	Air bronchiologram	Bronchiologramme aérique
DCM		112071	Air bronchogram	Bronchogramme aérique
DCM		112072	Air crescent	Croissant aérique
DCM		112147	Air space	Espace aérique
DCM		112104	Air-fluid level	Niveau hydro-aérique
SCT		76171001	Air-trapping	Piégeage
SCT		89187006	Airway structure	Structure des voies aériennes
DCM		111001	Algorithm Name	Nom de l'algorithme
DCM		111002	Algorithm Parameters	Paramètres de l'algorithme
DCM		111003	Algorithm Version	Version de l'algorithme
DCM		111242	All algorithms succeeded; with findings	Tous les algorithmes ont réussi; avec élément découvert
DCM		111241	All algorithms succeeded; without findings	Tous les algorithmes ont réussi; sans élément découvert
SCT		129716005	Almost entirely fat	Presque entièrement graisseux
SCT		57183005	Along edge	Au bord

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		129760005	Amorphous calcification	Calcification amorphe
SCT		37279009	Amyloid (tumor)	(Tumeur) amyloïde
DCM		111004	Analysis Performed	Analyse effectuée
DCM		112050	Anatomic Identifier	Identificateur anatomique
SCT		51845000	anatomical	Anatomique
SCT		73219006	Angiolipoma	Angiolipome
SCT		14350002	Angiomatosis	Angiomatose
SCT		39000009	Angiosarcoma	Angiosarcome (hémangiosarcome)
SCT		14510004	Angle of rib	Angle de la côte
SCT		255549009	Anterior	Antérieur
DCM		112088	Anterior junction line	Ligne médiastinale antérieure
SCT		22270008	Anterior segment of left upper lobe	Segment antérieur du lobe supérieur gauche
SCT		39743006	Anterior segment of right upper lobe	Segment antérieur du lobe supérieur droit
SCT		37197008	Anterolateral	Antéro-latéral
DCM		111141	Any decision to biopsy should be based on clinical assessment	Une éventuelle décision de biopsie doit être basée sur l'évaluation clinique
SCT		15825003	Aorta	Aorte
SCT		57034009	Aortic arch	Crosse de l'aorte
SCT		88593004	Aortic isthmus	Isthme aortique
DCM		112102	Aortic knob	Bouton aortique
SCT		34202007	Aortic Valve	Valve aortique
SCT		43674008	Apical	Apical
SCT		43674008	Apical	Apical
SCT		57141000	Apocrine adenocarcinoma	Carcinome apocrine
SCT		81274009	Apocrine Metaplasia	Métaplasie apocrine
DCM		112103	Arch of the Azygos vein	Crosse de la veine Azygos
SCT		40265002	Arch of vertebra	Arc vertébral
DCM		112079	Architectural distortion	Modification des rapports anatomiques
SCT		129792006	Architectural distortion of breast	Distorsion architecturale du sein
SCT		42798000	Area	Surface
SCT		131184002	Area of defined region	Surface de la région définie
DCM		121056	Area Outline	Tracé de la surface
DCM		111215	Artifact(s) other than grid or detector artifact	Artéfacts autres qu'artéfacts de grille ou du détecteur
SCT		54247002	Ascending aorta	Aorte thoracique ascendante
DCM		111005	Assessment Category	Catégorie d'évaluation
DCM		112003	Associated Chest Component	Structure anatomique du thorax
SCT		129790003	Asymmetric breast tissue	Tissu mammaire asymétrique
SCT		133889002	Asymmetric breast tissue analysis	Analyse de l'asymétrie du tissu mammaire

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		130963002	Asynchronous involution of breast	Involution asynchrone du sein
SCT		70142008	Atrial Septal Defect	Communication inter atriale
SCT		59652004	Atrium	Atrium ou Oreillette
SCT		405279007	Attending (syn. Consultant)	Consultant
DCM		112031	Attenuation Coefficient	Coefficient d'atténuation
SCT		6660000	Atypical intraductal hyperplasia	Hyperplasie intracanalaire atypique
SCT		33889003	Atypical lobular hyperplasia	Hyperplasie lobulaire atypique
SCT		24422004	Axial	Axial
SCT		129791004	Axilla position	Situation axillaire
BI	3.0	I.E.6	Axillary adenopathy	Adénopathie axillaire
SCT		67937003	Axillary Artery	Artère axillaire
SCT		368536000	Axillary Fascia	Fascia axillaire
DCM		111301	Axillary nodal metastases	Métastases ganglionnaires axillaire
DCM		111253	Axillary node hyperplasia	Hyperplasie dans ganglion axillaire
DCM		111252	Axillary node with calcifications	Ganglion axillaire avec calcifications
DCM		111300	Axillary node with lymphoma	Lympphome dans ganglion axillaire
SCT		399011000	Axillary Tail	Prolongement axillaire
SCT		129785001	Axillary tail position	Situé dans le prolongement axillaire du sein
SCT		68705008	Axillary vein	Veine axillaire
DCM		112090	Azygoesophageal recess interface	Ligne para-azygo-oesophagienne
SCT		72107004	Azygos vein	Grande veine Azygos
SCT		57195005	Basal	Basal
DCM		111307	Basal cell carcinoma of the nipple	Carcinome basocellulaire du mamelon
DCM		121079	Baseline	Référence
DCM		112016	Baseline Category	Catégorie à T0
DCM		112154	Bat's wing distribution	Aspect en aile de papillon Note In France, the two concepts as described in Annex D 112154 and 112155 are not distinguished. For this reason both "Bat's wing" and "Butterfly distribution" have a code meaning of "Aspect en aile de papillon".
SCT		102378009	BB shot (Lead Pellet)	Marque de plomb (Grain de plomb)
DCM		112066	Beaded septum sign	Septa perlés
DCM		111256	Benign Calcifications	Calcifications bénignes
DCM		111255	Benign cyst with blood	Kyste bénin hémorragique
SCT		92248004	Benign neoplasm of nipple of female breast (Nipple adenoma)	Adénomatose (papillomatose) érosive du mamelon

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		121080	Best illustration of finding	Meilleure illustration des résultats
DCM		112049	Best Overall Response	La meilleure réponse
SCT		51440002	Bilateral	Bilatéral
DCM		111143	Biopsy should be considered	Une biopsie doit être envisagée
DCM		111148	Biopsy should be strongly considered	Une biopsie doit être absolument envisagée
DCM		111303	Blood vessel (vascular) invasion	Embole vasculaire
SCT		52509009	Body of sternum	Corps du sternum
DCM		112007	Border definition	Définition des bords
DCM		112015	Border shape	Forme des bords
SCT		63762007	Both breasts	Les deux seins
SCT		17137000	Brachial artery	Artère brachiale
SCT		36582005	Brachial plexus	Plexus brachial
SCT		12691009	Brachiocephalic trunk	Tronc artériel brachio-céphalique
SCT		8887007	Brachiocephalic vein	Tronc veineux brachio-céphalique
SCT		76752008	Breast	Sein
SCT		129715009	Breast composition	Composition du sein (des seins)
SCT		133890006	Breast composition analysis	Analyse de la composition du sein (des seins)
DCM		111100	Breast geometry	Morphologie du sein (des seins)
SCT		6703006	Breast lobular hyperplasia	Hyperplasie lobulaire mammaire
DCM		111007	Breast Outline including Pectoral Muscle Tissue	Limites du sein incluant le muscle pectoral
SCT		76752008	Breast	Sein
SCT		261061003	Bronchial	Bronchique
SCT		64468002	Bronchial artery	Artère bronchique
DCM		112052	Bronchovascular	Broncho-vasculaire
SCT		955009	Bronchus	Bronche
SCT		86122002	Bullet	Balle
DCM		112155	Butterfly distribution	Aspect en ailes de papillon
DCM		111017	CAD Processing and Findings Summary	Résumé du traitement et des résultats du système de DAO
SCT		129769006	Calcification Cluster	Foyer de microcalcifications
DCM		112030	Calcification Descriptor	Descripteur des calcifications
DCM		111008	Calcification Distribution	Distribution des calcifications
DCM		112018	Calcification extent as percent of surface	% de surface calcifiée
DCM		112019	Calcification extent as percent of volume	% de volume calcifié
DCM		111009	Calcification Type	Type de calcification
SCT		129757003	Calcified skin of breast	Calcification cutanée
SCT		129758008	Calcified suture material	Fils de suture calcifiés

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		112145	Calcium	Calcium
DCM		112058	Calcium score	Score de calcification
DCM		112034	Calculation Description	Description du calcul
SCT		11070000	Capsular	Capsulaire
DCM		111304	Carcinoma in children	Carcinome de l'enfant
DCM		111305	Carcinoma in ectopic breast	Carcinome sur glande mammaire ectopique
DCM		111310	Carcinoma in pregnancy and lactation	Carcinome au cours de la grossesse et de la lactation
SCT		92652009	Carcinoma in situ of male breast	Carcinome de l'homme
DCM		111306	Carcinoma with endocrine differentiation	Carcinome avec différenciation endocrine
SCT		22694002	Carcinoma with metaplasia	Carcinome métaplasique
SCT		63264007	Carcinosarcoma	Carcinosarcome
SCT		360129009	Cardiac pacemaker lead	Electrode de pace-maker cardiaque
SCT		28700002	Carina	Carène
DCM		112086	Carina angle	Angle carinaire
SCT		51345006	Carotid Body	Corpuscule carotidien
DCM		111309	Cartilaginous and osseous change	Métaplasie cartilagineuse ou osseuse
SCT		19923001	Catheter	Cathéter
SCT		3583002	Caudal	Caudal
SCT		3583002	Caudal	Caudal
SCT		399196006	caudo-cranial (from below)	Face caudo-craniale
DCM		112017	Cavity extent as percent of volume	Taille de la cavité en % du volume
DCM		111203	CC Nipple not centered on image	Cranio-caudal: mamelon non centré sur l'image
DCM		111202	CC Not all medial tissue visualized	Cranio-caudal: le tissu interne n'est pas totalement visible
DCM		111204	CC Posterior nipple line does not measure within 1 cm of MLO	Cranio-caudal:longueur de la ligne rétroaréolaire sur la face plus courte de plus d'un centimètre que sur l'oblique
DCM		111010	Center	Centre
UCUM		cm	centimeter	Centimètre
SCT		26216008	Central	Central
SCT		26216008	Central	Central
DCM		112174	Central line	Cathéter central
SCT		129786000	Central portion of breast position	Situé dans la partie centrale du sein
DCM		112156	Centrilobular	Centro-lobulaire
DCM		112087	Centrilobular structures	Structures centro-lobulaires
SCT		66787007	Cephalic	Céphalique
DCM		111011	Certainty of Feature	Certitude concernant la caractéristique
DCM		111012	Certainty of Finding	Certitude concernant le résultat

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		111013	Certainty of Impression	Certitude concernant l'impression
SCT		63562005	Cervical collar	Minerve
DCM		112000	Chest CAD Report	Compte-rendu de la DAO du thorax
DCM		112173	Chest tube	Drain thoracique
SCT		78904004	Chest wall	Paroi thoracique
SCT		31186001	Chondroma	Chondrome
SCT		14990007	Chondrosarcoma	Chondrosarcome
SCT		102298001	Chordae tendineae cordis	Cordage
SCT		90734009	Chronic	Chronique
SCT		74551000	Circumference	Circonférence
SCT		263706005	Circumscribed	Circonscrit
SCT		129738007	Circumscribed lesion	Lésion circonscrite (bien définie ou à contour net)
SCT		51299004	Clavicle	Clavicule
SCT		75319007	Clavicular notch of sternum	Incisure claviculaire du sternum
SCT		399161006	Cleavage	Sillon inter-mammaire
SCT		77720000	Clip	Clip
DCM		111014	Clockface or region	Quadrant ou région
DCM		112157	Coalescent	Confluent
SCT		129749001	Coarse (popcorn-like) calcification	Grossière (en popcorn ou coralliforme)
DCM		112178	Coin	Pièce de monnaie
SCT		308689002	Coin lesion	Lésion nodulaire
DCM		111195	Collimation too close to breast	Collimation trop proche du sein
SCT		228761004	Collimator	Collimateur
SCT		78197004	Comedocarcinoma (intraductal)	Carcinome intracanalaire de type comédo
SCT		32062004	Common carotid artery	Artère carotide commune
DCM		111015	Composite Feature	Caractéristique composite
DCM		112023	Composite Feature Modifier	Modificateur lié à une anomalie à caractéristiques composites
DCM		111016	Composite type	Type composite
DCM		110004	Computer Aided Detection	Système de Détection Assistée par Ordinateur
DCM		110003	Computer Aided Diagnosis	Système de Diagnostic Assisté par Ordinateur
DCM		121077	Conclusion	Conclusion
DCM		121076	Conclusions	Conclusions
DCM		111018	Content Date	Date du contenu
DCM		111019	Content Time	Heure du contenu
SCT		7140000	Contrast agent NOS	Produit de contraste
SCT		8931003	Coracoid process of scapula	Apophyse coracoïde
DCM		112105	Corona radiata	Couronne radiaire

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		81654009	Coronal	Coronal
SCT		50016007	Costal Cartilage	Cartilage costal
SCT		17399006	Costal groove	Sillon de la côte
SCT		3159004	Costocervical trunk	Tronc cervico-thoracique
SCT		3583002	Cranial-caudal	Tête-pieds
SCT		3583002	Cranio-caudal	Cranio-caudal
SCT		399162004	cranio-caudal	Face
SRT		Y-X1770	cranio-caudal exaggerated laterally	Face exagérée externe
SRT		Y-X1771	cranio-caudal exaggerated medially	Face exagérée interne
LN		18747-6	CT Report	Compte rendu TDM
UCUM		cm3	Cubic centimeter	Centimètre cube
UCUM		dm3	Cubic decimeter	Décimètre cube
UCUM		um3	Cubic micrometer	Micromètre cube
UCUM		mm3	Cubic millimeter	Millimètre cube
SCT		34108001	curled-up	En chien de fusil
LN		55111-9	Current Procedure Descriptions	Description de la procédure en cours
DCM		112048	Current Response	Réponse actuelle
SCT		399294002	Cyst of breast	Kyste du sein
DCM		111147	Cytologic analysis	Analyse cytologique
DCM		111193	Date sticker is missing	L'étiquette de date est absente
UCUM		d	Day	Jour
SCT		129727007	Decrease in number of calcifications	Diminution du nombre de calcifications
SCT		19776001	Decrease in size	Diminution de taille
SCT		795002	Deep	Profond
SCT		35259002	Deltoid muscle	Muscle deltoïde
DCM		112118	Density	Densité Note Typically used with chest CT
SCT		129793001	Mammography breast density	Opacité mammaire à la mammographie
DCM		112119	Dependent opacity	Opacité déclive
SCT		131197000	Depth	Profondeur
DCM		111020	Depth	Profondeur
DCM		121401	Derivation	Méthode de calcul
SCT		281130003	Descending aorta	Aorte thoracique descendante
DCM		111021	Description of Change	Description des modifications
DCM		111022	Detection Performed	Détection effectuée
DCM		111214	Detector artifact(s)	Artéfacts du détecteur
DCM		111259	Diabetic fibrous mastopathy	Mastopathie diabétique
SCT		81827009	Diameter	Diamètre

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		131192006	Diameter of circumscribed circle	Diamètre du cercle circonscrit
SCT		5798000	Diaphragm	Diaphragme
DCM		110011	Dictation	Dictée
DCM		112166	Difference in border definition	Modification de la netteté des bords
DCM		112165	Difference in border shape	Modification de la forme des bords
DCM		112167	Difference in distribution	Modification de la distribution
SCT		129808005	Difference in location	Différence de localisation
SCT		442726008	Difference in location	Différence de localisation
SCT		129812004	Difference in margin	Différence de contours
SCT		129810007	Difference in number of calcifications	Différence du nombre de calcifications
SCT		129807000	Difference in opacity	Différence d'opacité
SCT		129811006	Difference in shape	Différence de forme
DCM		112168	Difference in site involvement	Modification du siège des lésions
SCT		129806009	Difference in size	Différence de taille
SCT		442714003	Difference in size	Différence de taille
SCT		129809002	Difference in spatial proximity	Différence de proximité dans l'espace
SCT		129813009	Difference in symmetry	Différence de symétrie
DCM		112170	Difference in Texture	Modification de texture
DCM		112169	Difference in Type of Content	Modification du contenu
DCM		111023	Differential Diagnosis/Impression	Diagnostic différentiel/Impression
SCT		19648000	Diffuse	Diffus
SCT		129764001	Diffuse calcification distribution	Calcifications diffuses(disséminées)
SCT		255282008	Discoid	Discoïde
SCT		65709003	Disseminated	Disséminé
SCT		46053002	Distal	Distal
DCM		121206	Distance	Distance
DCM		112138	Distinctly defined	Distincts les uns des autres
DCM		112006	Distribution Descriptor	Descripteur de la distribution
DCM		113011	Document Title Modifier	Modificateur du titre du document
SCT		255551008	Dorsal	Dorsal
SCT		51698000	Dorsal aspect of scapula	Corps de l'omoplate
SCT		91732003	Dorsal scapular artery	Artère scapulaire postérieure
DCM		111258	Ductal adenoma	Adénome ductal
SCT		67617000	Ductal hyperplasia, Usual	Hyperplasie canalaire
SCT		18102001	mammary ductogram	Galactographie
SCT		129750001	Dystrophic calcification	Dystrophique
SCT		1896004	Ectopic (accessory) breast tissue	Tissu mammaire ectopique (glande mammaire accessoire)
SCT		79654002	Edema	Oedème
SCT		57183005	Edge	Bord

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		33843005	Efferent	Efférent
SCT		129751002	Eggshell calcification	En coquille d'oeuf
DCM		111217	Electrical failure	Défaillance électrique
DCM		112134	Elliptic	Elliptique
SCT		26412008	Endotracheal tube	Tube endotrachéal
SCT		260376009	Enlarged	Augmenté de taille
SCT		419670003	Epidermal inclusion cyst	Kyste épidermique
SCT		129745007	Equal density (isodense) lesion	Lésion de densité identique (isodense)
NCIt		C86043	erect	Debout
SCT		44947003	Erector spinae muscle	Muscles érecteurs du rachis
SCT		206034008	Esophageal artery	Artère oesophagienne
SCT		280062008	Esophageal Hiatus	Hiatus oesophagien
SCT		32849002	Esophagus	Oesophage
SCT		414135002	Estimated	Estimé
SCT		399265009	exaggerated cranio-caudal	Face exagérée
SCT		261074009	External	Externe
SCT		53967007	External intercostal muscle	Muscle intercostal externe
SCT		47284001	Extra abdominal desmoid	Tumeur desmoïde extraabdominale
SCT		87687004	Extra-articular	Extra-articulaire
SCT		129719003	Extremely dense	Très dense
DCM		112131	Extremely small	Extrêmement petit
DCM		111224	Failed	Echec
DCM		111024	Failed Analyses	Échec des analyses
DCM		111025	Failed Detections	Échec des détections
SCT		120576005	Fascial layer	Fascia
SCT		256674009	Fat	Graisse
SCT		129747004	Fat containing (radiolucent) lesion	Lésion contenant de la graisse (radiotransparent)
SCT		21381006	Fat necrosis of breast	Cytostéatonécrose mammaire
DCM		111159	Feature detected on images from multiple modalities	Caractéristique détectée sur les images provenant de plusieurs modalités
DCM		111158	Feature detected on multiple images	Caractéristique détectée sur plusieurs images
DCM		111157	Feature detected on only one of the images	Caractéristique détectée sur une seule des images
DCM		111156	Feature detected on the only image	Caractéristique détectée sur la seule image
SCT		25062003	Feeding tube	Sonde d'alimentation
DCM		F	female	Femme
DCM		111264	Fibroadenolipoma	Adénofibrolipome
SCT		65877006	Fibroadenoma	Fibroadénome
DCM		111263	Fibroadenomatoid hyperplasia	Hyperplasie fibro-adénomatoïde

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		112163	Fibrocalcific	Fibrocalcique
SCT		27431007	Fibrocystic disease of breast	Dysplasie fibrokystique du sein
SCT		19928005	Fibromatosis	Fibomatose
DCM		112148	Fibronodular	Fibro-nodulaire
SCT		53654007	Fibrosarcoma	Fibrosarcome
DCM		112171	Fiducial mark	Point de repère
DCM		110010	Film	Film
DCM		121071	Finding	Résultat
SCT		129722001	Finding partially removed	Exérèse partielle de l'élément
DCM		121070	Findings	Résultats
SCT		129761009	Fine, linear (casting) calcification	Calcification fine linéaire (vermiculaire)
SCT		129762002	Fine, linear, branching (casting) calcification	Calcification fine linéaire, arborisée (ramifiée)
SCT		278983006	Fissure of lung	Scissure
DCM		111191	Flash doesn't include cassette/screen/detector identification	Le marquage n'indique pas l'identifiant de cassette/écran/détecteur
DCM		111188	Flash doesn't include date of examination	Le marquage n'indique pas la date de l'examen
DCM		111189	Flash doesn't include facility name and location	Le marquage n'indique ni le nom de l'établissement ni son adresse
DCM		111192	Flash doesn't include mammography unit identification	Le marquage n'indique pas l'identifiant du mammographe
DCM		111187	Flash doesn't include patient name and additional patient id	Le marquage n'indique ni le nom du patient ni son identifiant.
DCM		111186	Flash is illegible, does not fit, or is lopsided	Le marquage est illisible, mal positionné ou de travers
DCM		111185	Flash is not near edge of film	Le marquage n'est pas au bord du film
DCM		112107	Fleischner's line(s)	Ligne(s) de Fleischner
DCM		112164	Flocculent	Floconneux
DCM		112149	Fluffy	Flou Note The word-to-word translation of "Fluffy" is "Duveteux", but this term is never used. For tissues, the translation must be "Floconneux" but this term is only used for calcifications (Flocculent = Floconneux) in CID 6132 “Chest Calcification Descriptor”. We retained "Flou" (in English, "Fuzzy") as the most appropriate meaning.
SCT		87017008	Focal	Localisé

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		129789007	Focal asymmetric breast tissue	Asymétrie focale du tissu mammaire
SCT		133888005	Focal asymmetric density analysis	Analyse de l'asymétrie de densité focale
SCT		45559001	Focal fibrosis	Fibrose focale
DCM		111142	Follow-up at short interval (1-11 months)	Surveillance à court terme (1-11 mois)
DCM		113005	For Conference	Pour une conférence
DCM		113007	For Patient	Pour le patient
DCM		113008	For Peer Review	Pour relecture par un pair
DCM		113002	For Referring Provider	Pour le référent
DCM		113009	For Research	Pour la recherche
DCM		113003	For Surgery	Pour la chirurgie
DCM		113004	For Teaching	Pour l'enseignement
DCM		113006	For Therapy	Pour la thérapeutique
SCT		37058002	Foreign body (reaction)	Réaction à corps étranger
SCT		19227008	Foreign material (iodized oil, mercury,talc)	Corps étranger (lipiodol, mercure,talc)
SCT		34296003	frog	Position de la grenouille
SCT		81654009	Frontal	Frontal
SCT		42385006	Galactocele	Galactocèle
SCT		60132005	Generalized	Généralisé
SCT		34882000	Giant fibroadenoma	Adénofibrome géant
SCT		46385009	Glenoid cavity of scapula	Cavité glénoïde
SCT		74280008	Glycogen-rich carcinoma	Carcinome riche en glycogène
SCT		12169001	Granular cell tumor	Tumeur à cellules granuleuses
DCM		112128	Granular pattern	Aspect micronodulaire
DCM		111208	Grid artifact(s)	Artéfact(s) de grille
DCM		112120	Ground glass opacity	Opacité en verre dépoli
SCT		129766004	Grouped calcification distribution	Calcification groupées (ou en foyer)
SCT		68493006	Gutter	Gouttière
SCT		4754008	Gynecomastia	Gynécomastie
DCM		112073	Halo sign	Signe du halo
SCT		51398009	Hamartoma	Hamartome
SCT		12872006	Head of rib	Tête de le côte
SCT		80891009	Heart	Coeur
SCT		25510005	Heart valve prosthesis	Prothèse valvulaire
SCT		2099007	Hemangioma	Hémangiome
SCT		93473009	Hemangioma of subcutaneous tissue	Hémangiome des tissues sous-cutané
SCT		56468002	Hemangioma - venous	Hémangiome veineux
SCT		36060005	Hemangiopericytoma	Hémangiopéricytome

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		35566002	Hematoma	Hématome
SCT		129763007	Heterogeneous calcification	Calcification punctiforme irrégulière (polymorphe, hétérogène)
SCT		129718006	Heterogeneously dense	Dense et hétérogène
DCM		112095	Hiatus	Hiatus
SCT		129744006	High density lesion	Lésion de forte densité
DCM		111149	Highly suggestive of malignancy - take appropriate action	Haute probabilité de malignité - une action appropriée doit être entreprise
SCT		32381004	Hilar	Hilaire
SCT		46750007	Hilum of lung	Hile pulmonaire
SCT		32381004	Hilus	Hile
DCM		111145	Histology using core biopsy	Histologie par biopsie à l'aiguille
LN		11329-0	History	Antécédents
SCT		14537002	Hodgkin's disease (lymphoma)	Maladie de Hodgkin
DCM		112160	Homogeneous (uniform opacity)	Homogène (opacité uniforme)
DCM		112106	Honeycomb pattern	Aspect en rayon de miel
SCT		24020000	Horizontal	Horizontal
SCT		24020000	Horizontal	Horizontal
DCM		111026	Horizontal Pixel Spacing	Espacement horizontal des pixels
UCUM		h	hour	Heure
SCT		85050009	Humerus	Humérus
DCM		112159	Hyper-acute	Suraigu
SCT		76197007	Hyperplasia, usual	Hyperplasie simple
SCT		129467007	ID Plate	Zone d'identification
SCT		57651003	Iliocostalis muscle	Muscle ilio-costal
DCM		111027	Image Laterality	Latéralité de l'image
DCM		111028	Image Library	Bibliothèque d'images
DCM		110001	Image Processing	Traitement d'image
DCM		111101	Image Quality	Qualité image
SCT		133887000	Image quality analysis	Analyse de la qualité d'image
DCM		111029	Image Quality Rating	Score de qualité image
DCM		111030	Image Region	Région de l'image
DCM		111031	Image View	Incidence
DCM		111032	Image View Modifier	Modificateur de l'incidence
SCT		40388003	Implant	Prothèse
SCT		399209000	Implant Displaced	Prothèse déplacée
SCT		129731001	Implant revised since previous mammogram	Prothèse révisée depuis la mammographie précédente
DCM		121073	Impression	Impression
DCM		111033	Impression Description	Description de l'impression
LN		19005-8	Impressions	Impressions

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		111196	Inadequate compression	Compression inadéquate
DCM		111219	Inappropriate image processing	Défaillance du processus de traitement d'image
SCT		129726003	Increase in number of calcifications	Augmentation du nombre de calcifications
SCT		15454001	Increase in size	Augmentation de taille
LN		18785-6	Indications for Procedure	Indications de la procédure
SCT		129741003	Indistinct lesion	Lésion indistincte
SCT		129770007	Individual Calcification	Calcification isolée
DCM		111233	Individual Impression / Recommendation Analysis	Analyse de l'Impression / recommandation élémentaire
DCM		111034	Individual Impression/Recommendation	Impression élémentaire/Recommandation
SCT		77296004	Infarction of breast	Infarctus mammaire
SCT		261089000	Inferior	Inférieur
SCT		181901007	Inferior articular facet of axis	Facette articulaire inférieure de l'axis
SCT		317766009	Inferior articular process of vertebra	Massif articulaire inférieur
SCT		29660000	Inferior phrenic artery	Artère phrénique inférieure
SCT		64131007	Inferior vena cava	Veine cave inférieure
DCM		112121	Infiltrate	Infiltrat
SCT		82711006	Infiltrating duct carcinoma	Carcinome canalaire infiltrant
SCT		23583003	Inflammation	Infection
SCT		32968003	Inflammatory carcinoma	Carcinome inflammatoire
SCT		72573008	Infraspinatus muscle	Muscle sous épineux
DCM		112161	Inhomogeneous	Hétérogène
SCT		260521003	Inner	En dedans
SCT		24062007	Innermost intercostal muscles	Muscles intercostaux intimes
DCM		111240	Institutionally defined quality control standard	Standards de contrôle de qualité définis par l'institution
DCM		111206	Insufficient implant displacement incorrect	Refoulement de la prothèse insuffisant
SCT		281134007	Intercostal artery	Artère intercostale
DCM		112082	Interface	Interface
SCT		11896004	Intermediate	Intermédiaire
UMLS		C1144859	Intern	Interne
SCT		260521003	Internal	Interne
SCT		41313007	Internal intercostal muscle	Muscle intercostal interne
SCT		12123001	Internal jugular vein	Veine jugulaire interne
SCT		69327007	Internal thoracic artery	Artère thoracique interne
DCM		110005	Interpretation	Interprétation
SCT		85293002	Interstitial tissue	Interstitium
SCT		589001	Interventricular septum	Septum interventriculaire

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		131183008	Intra-articular	Intra-articulaire
DCM		111315	Intracystic papillary carcinoma	Carcinome papillaire intrakystique
SCT		47488001	Intracystic papilloma	Papillome intrakystique
SCT		128696009	Intraductal carcinoma micro-papillary	Carcinome intracanalaire de type micropapillaire
DCM		111341	Intraductal carcinoma, high grade	Carcinome intracanalaire
DCM		111313	Intraductal carcinoma, low grade	Carcinome intracanalaire de bas grade
DCM		111312	Intraductal comedocarcinoma with necrosis	Carcinome intracanalaire de type comédo avec nécrose
SCT		5244003	Intraductal papilloma	Papillome intragalactophorique
DCM		112108	Intralobular lines	Lignes intra-lobulaires
SCT		443808008	Intramammary lymph node	Ganglion intramammaire
DCM		111316	Invasive and in-situ carcinoma	Carcinome infiltrant et in situ
SCT		30156004	Invasive cribriform carcinoma	Carcinome infiltrant cribriforme
SCT		89740008	Invasive lobular carcinoma	Carcinome lobulaire infiltrant
SCT		26527006	inverse Trendelenburg	Trendelenburg inversé
DCM		113850	Irradiation Authorizing	Médecin responsable de l'indication
SCT		49608001	Irregular	Irrégulière
SCT		129463006	J Wire	Hameçon
SCT		126065006	Jejunostomy tube	Tube de jéjunostomie
SCT		80919006	Jewelry	Bijoux
SCT		46212000	Juvenile fibroadenoma	Fibroadénome juvénile
DCM		111277	Juvenille papillomatosis	Papillomatose juvénile
DCM		112109	Kerley A line	Ligne A de Kerley
DCM		112110	Kerley B line	Ligne B de Kerley
DCM		112111	Kerley C lines	Lignes C de Kerley
DCM		113012	Key Object Description	Description de l'objet clé
DCM		112175	Kidney stent	Stent rénal
SCT		23242002	knee-chest	Genu pectoral
SCT		55864004	kneeling	À genou [à genou]
SCT		128651002	Lactating adenoma	Adénome lactant
DCM		111279	Lactational change	Lobule sécrétant
SCT		89340005	Lamina of vertebra	Lame de la vertèbre
SCT		88446008	Laminated	Lamellaire
SCT		255509001	Large	Gros
DCM		111281	Large duct papilloma	Papillome solitaire
SCT		129752009	Large rod-like calcification	Calcification en bâtonnet
SCT		49370004	Lateral	Externe
SCT		32185000	lateral decubitus	Décubitus latéral
SCT		272741003	Laterality	Latéralité
SCT		399352003	latero-medial	Profil externe

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		399099002	latero-medial oblique	Latéro-médial oblique
SCT		15665001	Latissimus dorsi muscle	Muscle grand dorsal
SCT		7771000	Left	Gauche
SCT		80248007	Left breast	Sein gauche
SCT		7771000	Left lateral	Latéral gauche
SCT		102536004	left lateral decubitus	Décubitus latéral gauche
SCT		75245000	Left main bronchus	Bronche principale gauche
SCT		44598004	Leiomyoma	Léiomyome
SCT		51549004	Leiomyosarcoma	Léiomyosarcome
SCT		410668003	Length	Longueur
DCM		111035	Lesion Density	Densité de la lésion
SCT		129728002	Less defined	Moins bien défini
DCM		111318	Leukemic infiltration	Infiltration leucémique
SCT		73930003	Levatores costarum muscles	Muscles élévateurs des côtes
SCT		2160002	Ligamentum arteriosum	Ligament artériel
DCM		112083	Line	Ligne
DCM		112150	Linear	Linéaire
SCT		129765000	Linear calcification distribution	Distribution linéaire des calcifications
SCT		3839000	Lipid-rich (lipid-secreting) carcinoma	Carcinome à cellules lipidiques
SCT		46720004	Lipoma	Lipome
SCT		49430005	Liposarcoma	Liposarcome
SCT		14205002	lithotomy	Lithotomie
DCM		112158	Lobar	Lobaire
SCT		31094006	Lobe of lung	Lobe pulmonaire
SCT		40266001	Lobular	Lobulée
SCT		109888004	Lobular carcinoma in situ of breast	Carcinome lobulaire in situ mammaire
DCM		112135	Lobulated	Lobulée
DCM		112013	Location in Chest	Localisation thoracique
SCT		103339001	Long Axis	Grand axe
SCT		88340001	Longissimus muscle	Muscle longissimus du thorax
SCT		38717003	Longitudinal	Longitudinal
SCT		129746008	Low density (not containing fat) lesion	Faible densité (sans contenu graisseux)
SCT		19100000	Lower inner quadrant of breast	Quadrant inféro-interne du sein
SCT		19100000	Lower inner quadrant of breast	Quadrant inféro-interne du sein
SCT		90572001	Lower lobe of lung	Lobe pulmonaire inférieur
SCT		33564002	Lower outer quadrant of breast	Quadrant inféro-externe du sein
SCT		33564002	Lower outer quadrant of breast	Quadrant inféro-externe du sein
SCT		281394001	Lower zone of lung	Zone inférieure du poumon
DCM		112084	Lucency	Clarté

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		129754005	Lucent-centered calcification	Calcification à centre clair
SCT		39607008	Lung	Poumon
DCM		111320	Lympathic vessel invasion	Embole lymphatique
SCT		59441001	Lymph node	Ganglion lymphatique
SCT		21964009	Lymphoma	Lymphome
SCT		399163009	Magnification	Agrandissement
SCT		399163009	Magnification views	Agrandissements
SCT		131187009	Major Axis	Axe principal
DCM		M	male	Homme
SCT		34360000	Malignant fibrous histiocytoma	Histiocytofibrome malin
DCM		111334	Malignant melanoma of nipple	Mélanome malin du mamelon
SCT		22049009	Mammary duct ectasia	Galactophorite ectasiante mammaire (ectasie canalaire mammaire)
SCT		129788004	Mammographic breast mass	Masse du sein à la mammographie
DCM		111036	Mammography CAD Report	Compte rendu d'analyse mammographique par système de DAO
SCT		37285002	Manubrium of sternum	Manubrium sternal
SCT		112233002	Marginal	Marginal
DCM		111037	Margins	Contours
SCT		4147007	Mass	Masse
DCM		112057	Mass scoring method	Appréciation de la charge calcique par la méthode du score de masse
DCM		112180	Maximum Attenuation Coefficient	Coefficient d'atténuation maximum
DCM		112181	Mean Attenuation Coefficient	Coefficient d'atténuation moyen
DCM		112051	Measurement of Response	Quantification de la réponse
DCM		111216	Mechanical failure	Défaillance mécanique
SCT		255561001	Medial	Médial
~~SCT~~DCM		~~260528009~~130290	Median	Médian
DCM		112182	Median Attenuation Coefficient	Médiane des coefficients d'atténuation
SCT		72410000	Mediastinum	Médiastin
SCT		399260004	medio-lateral	Profil interne
SCT		399368009	medio-lateral oblique	Médiolatéral oblique
SCT		255508009	Medium	Moyen
SCT		32913002	Medullary carcinoma	Carcinome médullaire
DCM		111333	Metastasis to an intramammary lymph node	Ganglion intramammaire métastatique
DCM		111323	Metastatic cancer to the breast	Cancer métastatique au sein
DCM		111324	Metastatic cancer to the breast from the colon	Métastase intramammaire d'un cancer colique
DCM		111325	Metastatic cancer to the breast from the lung	Métastase intramammaire d'un cancer pulmonaire

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		111327	Metastatic cancer to the breast from the ovary	Métastase intramammaire d'un cancer ovarien
DCM		111330	Metastatic disease to axillary node	Ganglion axillaire métastatique
DCM		111326	Metastatic melanoma to the breast	Métastase intramammaire d'un mélanome malin
DCM		111328	Metastatic sarcoma to the breast	Métastase intramammaire d'un sarcome
DCM		111284	Microglandular adenosis	Adénose microglandulaire
SCT		129739004	Microlobulated lesion	Lésion microlobulée
UCUM		um	micrometer	Micromètre
DCM		112122	Micronodule	Micronodule
~~SCT~~NCIt		~~260528009~~C25569	Middle	Milieu
SCT		40020002	Middle lobe of lung	Lobe moyen du poumon
SCT		281393007	Middle zone of lung	Zone moyenne du poumon
DCM		112085	Midlung window	Fenêtre lobaire moyenne
SCT		255604002	Mild	faible
DCM		112129	Miliary pattern	Aspect miliaire
SCT		129753004	Milk of calcium calcification	Lait calcique
UCUM		mm	millimeter	Millimètre
DCM		112179	Minimum Attenuation Coefficient	Coefficient d'atténuation minimum
SCT		131188004	Minor Axis	Axe secondaire
UCUM		min	minute	Minute
SCT		91134007	Mitral Valve	Valve atrio-ventriculaire gauche
DCM		111200	MLO Evidence of motion blur	Oblique externe: présence d'un flou cinétique
DCM		111201	MLO Inframammary fold is not open	Oblique externe: sillon sous-mammaire non visible
DCM		111197	MLO Insufficient pectoral muscle	Oblique externe: muscle pectoral insuffisamment visible
DCM		111198	MLO No fat is visualized posterior to fibroglandular tissues	Oblique externe: lame graisseuse rétroglandulaire non visualisée
DCM		111199	MLO Poor separation of deep and superficial breast tissues	Oblique externe: mauvaise séparation des tissus superficiels et profonds
SCT		6736007	Moderate	Modéré
UCUM		mo	Month	Mois
SCT		129729005	More defined	Mieux défini
DCM		112130	Mosaic pattern	Aspect en mosaïque
DCM		112080	Mosaic perfusion	Perfusion en mosaïque
DCM		111210	Motion blur	Flou cinétique
DCM		111210	Motion blur	Artefact de mouvement
LN		18755-9	MR Report	Compte rendu IRM
SCT		72495009	Mucinous adenocarcinoma (Colloid carcinoma)	Carcinome (mucineux) colloïde

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		524008	Multifocal	Multifocal
DCM		111329	Multifocal intraductal carcinoma	Carcinome intracanalaire multifocal
DCM		111332	Multifocal invasive ductal carcinoma	Carcinome canalaire infiltrant multifocal
DCM		111285	Multiple Intraductal Papillomas	Papillomes multiples
SCT		263816006	Muscular	Musculaire
SCT		128738002	Myofibroblastoma	Myofibroblastome
SCT		134223000	Narrow	Etroit
SCT		72184008	Neck of rib	Col de la côte
SCT		79068005	Needle	Aiguille
DCM		111144	Needle localization and biopsy	Répérage métallique préopératoire et biopsie-exérèse
SCT		126510002	Neoplasm of mammary skin	Tumeur de la peau mammaire
SCT		89084002	Neurofibroma	Neurofibrome
SCT		81669005	Neurofibromatosis	Neurofibromatose
SCT		129721008	New finding	Nouvel élément
SCT		24142002	Nipple	Mamelon
DCM		111297	Nipple Characteristic	Caractéristiques du mamelon
DCM		111205	Nipple not in profile	Le mamelon n'est pas de profil
SCT		31845005	Nipple retraction	Rétraction mamelonnaire
DCM		112177	Nipple ring	Cerclage mammelonnaire
DCM		111286	No abnormality	Pas d'anomalie
DCM		111245	No algorithms succeeded; without findings	Aucun algorithme n'a réussi; sans élément découvert
DCM		111213	No image	Pas d'image
SCT		129723006	No significant changes in the finding	Pas de modification significative de l'élément
DCM		110009	No subsequent Workitems	Aucun sujet de travail ultérieur
SCT		255288007	Nodular	Nodulaire
DCM		112067	Nodular pattern	Aspect nodulaire
SCT		27925004	Nodule	Nodule
SCT		1929004	Non-Hodgkin's lymphoma	Lymphome non hodgkinien
DCM		111102	Non-lesion	Pas de lésion
DCM		112076	Non-Lesion at Baseline	Anomalie « non lésion » à T0
DCM		112037	Non-lesion Modifier	Modificateur lié à une « non lésion »
DCM		112075	Non-Target Lesion at Baseline	Lésion « non cible » à T0
DCM		112045	Non-Target Lesion Complete Response	Disparition des lésions « non cibles »
DCM		112046	Non-Target Lesion Incomplete Response or Stable Disease	Réponse partielle ou maladie stable sur lésions « non cibles »
DCM		112047	Non-Target Lesion Progressive Disease	Progression sur lésions « non cibles »
DCM		111251	Normal axillary node	Ganglion axillaire normal

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		111287	Normal breast tissue	Tissu mamaire normal
DCM		111140	Normal interval follow-up	Intervalle normal de surveillance
SCT		31842008	Normal shape	Forme normale
DCM		111244	Not all algorithms succeeded; with findings	Certains algorithmes n'ont pas réussi; avec élément découvert
DCM		111243	Not all algorithms succeeded; without findings	Certains algorithmes n'ont pas réussi; sans élément découvert
DCM		111225	Not Attempted	Non traité
DCM		111152	Not for Presentation: Rendering device expected not to present	Pas de présentation
DCM		111038	Number of calcifications	Nombre de calcifications
SCT		106292003	Nurse	Infirmière
DCM		111039	Object type	Type d'objet
SCT		21114003	Oblique	Oblique
SCT		129740002	Obscured lesion	Lésion masquée
DCM		111322	Occult carcinoma presenting with axillary lymph node metastases	Carcinome occulte révélé par des métastases axillaires
DCM		113000	Of Interest	Interressant
DCM		111290	Oil cyst (fat necrosis cyst)	Cytostéatonécrose kystisée
DCM		111138	Old films for comparison	Clichés antérieurs pour comparaison
DCM		112060	Oligemia	Oligémie
SCT		66459002	One-sided	Situé d'un seul côté
DCM		112001	Opacity	Opacité Note Typically used with projection chest X-Ray
DCM		112027	Opacity Descriptor	Descripteur de l'opacité
SCT		262301009	Opaque marker	Marqueur Opaque
DCM		112014	Orientation Descriptor	Descripteur de l'orientation
DCM		111040	Original Source	Source originelle
DCM		112053	Osseous	Osseux
DCM		112038	Osseous Modifier	Modificateur lié à une structure osseuse
SCT		83323007	Ossification	Ossification
SCT		21708004	Osteogenic sarcoma	Ostéosarcome
DCM		121102	Other sex	Autre sexe
DCM		111220	Other failure	Autre défaillance
DCM		111175	Other Marker	Autre marqueur
SCT		261074009	Outer	En dehors
DCM		111041	Outline	Contours
DCM		111212	Over exposed	Sur-exposé

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		111234	Overall Impression / Recommendation Analysis	Analyse de l'Impression / ecommandation globale
SCT		84360004	Ovoid shape (Oval)	Forme ovale (Ovale)
SCT		118378005	Cardiac Pacemaker	Stimulateur cardiaque
SCT		129460009	Compression paddle	Palette de compression
SCT		2985005	Paget's disease, mammary (of the nipple)	Maladie de Paget du mamelon
DCM		112176	Pancreatic stent	Stent pancréatique
SCT		25910003	Papillary carcinoma (invasive)	Carcinome papillaire infiltrant
SCT		10376009	Papillary carcinoma in-situ	Carcinome papillaire in-situ
SCT		23730008	Papilloma	Papillome
DCM		112091	Paraspinal line	Ligne paravertébrale
DCM		112112	Parenchymal band	Bande parenchymateuse
DCM		111223	Partially Succeeded	Succès partiel
DCM		121055	Path	Tracé
DCM		121211	Path length	Longueur du tracé
DCM		111042	Pathology	Pathologie
DCM		111043	Patient Orientation Column	Colonne concernant l'orientation du patient
DCM		111044	Patient Orientation Row	Ligne concernant l'orientation du patient
SCT		26444007	Pectoral girdle	Ceinture pectorale
DCM		111045	Pectoral Muscle Outline	Contour du muscle pectoral
SCT		60005003	Pectoralis major muscle	Muscle grand pectoral
SCT		18686000	Pectoralis minor muscle	Muscle petit pectoral
SCT		78972004	Pedicle of vertebra	Pédicule de la vertèbre
DCM		111046	Percent Glandular Tissue	Pourcentage de tissu glandulaire
DCM		112185	Performance of CT for Detection of Pulmonary Embolism in Adults	Le scanner dans les embolies pulmonaires de l'adulte, ACR
DCM		112186	Performance of High-Resolution CT of the Lungs in Adults	Le scanner thoracique haute résolution de l'adulte, ACR
DCM		112035	Performance of Pediatric and Adult Chest Radiography, ACR	Les radiographies thoraciques de l'enfant et de l'adulte, ACR
DCM		112184	Performance of Pediatric and Adult Thoracic CT	Le scanner thoracique de l'enfant et de l'adulte, ACR
DCM		121094	Performing	Réalisateur de l'examen
SCT		3924000	Pericardiophrenic Artery	Artère péricardo-phrénique
SCT		131191004	Perimeter	Périmètre
DCM		121057	Perimeter Outline	Délimitation du périmètre
SCT		14414005	Peripheral	Périphérique
SCT		14414005	Peripheral	Périphérique
DCM		111299	Peripheral duct papillomas	Papillomes périphériques
SCT		131189007	Perpendicular Axis	Axe orthogonal

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		112123	Phantom tumor (pseudotumor)	Image pseudo-tumorale
SCT		71232009	Phyllodes tumor	Tumeur phyllode
SCT		87913009	Phyllodes tumor, malignant	Sarcome phyllode (Cystosarcome phyllode malin)
SCT		309343006	Physician	Médecin
SCT		77444004	Pin	Epingle
SCT		10639003	Plasmacytoma	Plasmocytome
SCT		40779009	Plate-like atelectasis	Atélectasie plane
SCT		8360001	Pleomorphic adenoma	Adénome pléomorphe
DCM		112081	Pleonemia	Hypervascularisation
SCT		3120008	Pleural structure	Plèvres
SCT		16838000	Pneumomediastinum	Pneumomédiastin
SCT		36118008	Pneumothorax	Pneumothorax
SCT		300841009	Poorly defined	Mal définies
DCM		112141	Poorly demarcated	Mal délimité
DCM		112172	Portacath	Chambre de perfusion implantable
DCM		112011	Positioner Primary Angle	Angle de positionnement primaire
DCM		112012	Positioner Secondary Angle	Angle de positionnement secondaire
DCM		111209	Positioning	Positionnement
DCM		111291	Post reduction mammoplasty	Mammoplastie après réduction
SCT		60583000	Postaxial	Postaxial
SCT		255551008	Posterior	Postérieur
DCM		112089	Posterior junction line	Ligne médiastinale postérieure
SCT		3236000	Posterior segment of right upper lobe	Segment postérieur du lobe supérieur droit
DCM		112092	Posterior tracheal stripe	Bande trachéale postérieure
SCT		90069004	Posterolateral	Postéro-latéral
SCT		32400000	Preaxial	Pré-axial
SCT		364320009	Pregnancy observable	Grossesse
DCM		111151	Presentation Optional: Rendering device may present	Présentation optionnelle
DCM		111150	Presentation Required: Rendering device is expected to present	Présentation requise
DCM		121069	Previous Finding	Résultat antérieur
DCM		121068	Previous Findings	Résultats antérieurs
DCM		112059	Primary complex	Complexe primaire
DCM		110008	Print	Imprimer
LN		55114-3	Prior Procedure Descriptions	Description de la procédure précédente
DCM		111047	Probability of cancer	Probabilité de cancer
DCM		121065	Procedure Description	Description de la procédure
SCT		795002	Profundis	Profondeur

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		112151	Profusion	Profusion
SCT		1240000	prone	Procubitus
SCT		53350007	Prosthesis	Prothèse
SCT		40415009	Proximal	Proximal
DCM		111292	Pseudoangiomatous stromal hyperplasia	Hyperplasie stromale pseudo-angiomateuse
DCM		112068	Pseudoplaque	Pseudo-plaque
SCT		81040000	Pulmonary artery	Artère pulmonaire
SCT		59282003	Pulmonary embolism	Embolie pulmonaire
SCT		45341000	Pulmonary trunk	Tronc artériel pulmonaire
SCT		122972007	Pulmonary vein	Veine pulmonaire
SCT		129755006	Punctate calcification	Calcification punctiforme régulière
DCM		111048	Quadrant location	Localisation du quadrant
DCM		111049	Qualitative Difference	Différence qualitative
DCM		111050	Quality Assessment	Évaluation de la qualité
DCM		110002	Quality Control	Contrôle de qualité
DCM		111051	Quality Control Standard	Standard de contrôle de qualité
DCM		111052	Quality Finding	Critère de qualité
DCM		113010	Quality Issue	Problème de qualité
SCT		133855003	Radial scar	Cicatrice radiaire
DCM		113921	Radiation Exposure	Exposition aux rayonnements
LN		73569-6	Radiation Exposure and Protection Information	Exposition aux rayonnements et informations de radiopro-tection
SCT		440252007	Administration of radiopharmaceutical	Substance radioactive administrée
SCT		159016003	Radiographer	Manipulateur (rice)
DCM		112005	Radiographic anatomy	Radio-anatomie
LN		11528-7	Radiology Report	Compte rendu radiologique
SCT		131190003	Radius	Rayon
DCM		112022	RECIST	Critères d'évaluation de la réponse tumorale (tumeurs solides)
DCM		121075	Recommendation	Recommandation
DCM		121074	Recommendations	Recommandations
DCM		111053	Recommended Follow-up	Surveillance recommandée
DCM		111054	Recommended Follow-up Date	Date recommandée de surveillance
DCM		111055	Recommended Follow-up Interval	Intervalle recommandé de surveillance
DCM		121097	Recording	Qui fait le compte rendu
SCT		102538003	recumbent	Couché
DCM		111338	Recurrent malignancy	Cancer récidivant
UMLS		C1709880	Referring	Médecin référent
SCT		129767008	Regional calcification distribution	Distribution régionale des calcifications

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		158971006	Registrar	Secrétaire
DCM		113001	Rejected for Quality Reasons	Rejetées pour des motifs de qualité
SCT		129730000	Removal of implant since previous mammogram	Exérèse de la prothèse mammaire depuis la mammographie précédente
DCM		111056	Rendering Intent	Intention d'insertion
DCM		110007	Report Verification	Vérification du compte rendu
LN		55115-0	Request	Demande
DCM		121096	Requesting	Médecin demandeur
SCT		405277009	Resident	Résident
DCM		112020	Response Evaluation	Evaluation de la réponse
DCM		112021	Response Evaluation Method	Méthode d'évaluation de la réponse
DCM		112113	Reticular pattern	Aspect réticulaire
DCM		112065	Reticulonodular pattern	Aspect réticulo-nodulaire
SCT		113197003	Rib	Côte
DCM		112096	Rib Scalene Tubercle	Tubercule scalénique de la première côte
SCT		24028007	Right	Droit
SCT		51440002	Right and left	Droit et gauche
SCT		73056007	Right breast	Sein droit
SCT		24028007	Right lateral	Latéral droit
SCT		102535000	right lateral decubitus	Décubitus latéral droit
SCT		70074004	Right main bronchus	Bronche principale droite
DCM		112093	Right tracheal stripe	Bande paratrachéale droite
SCT		399197002	Rolled Lateral	Roulé externe
SCT		399226006	Rolled Medial	Roulé interne
SCT		42700002	Round shape	Ronde
SCT		129756007	Round shaped calcification	Calcification ronde
SCT		30730003	Sagittal	Sagittal
SCT		50755001	Scalenous anterior muscle	Muscle scalène antérieur
SCT		79601000	Scapula	Scapula
DCM		112101	Scapular Infraspinatus Fossa	Fosse sous épineuse
DCM		112099	Scapular Spine	Epine de l'omoplate
DCM		112100	Scapular Supraspinatus Fossa	Fosse sus épineuse
SCT		12402003	Scar tissue	Tissu cicatriciel
SCT		129717001	Scattered fibroglandular densities	Opacités fibro-glandulaires éparses
SCT		50916005	Sclerosing adenosis	Adénose sclérosante
DCM		111057	Scope of Feature	Champ des caractéristiques
DCM		112054	Secondary pulmonary lobule	Lobule pulmonaire secondaire
SCT		41919003	Secretory (juvenile) carcinoma of the breast	Carcinome mammaire sécrétoire (juvénile)
SCT		72674008	Segment of lung	Segmentdu poumon

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		62372003	Segmental	Segmentaire
SCT		129768003	Segmental calcification distribution	Segmentaires
DCM		111099	Selected region	Région sélectionnée
DCM		111058	Selected Region Description	Description de la région sélectionnée
SCT		102539006	semi-erect	Semi-couché
SCT		34026001	semi-prone	Semi-procubitus
DCM		112114	Septal line(s)	Ligne(s) septale(s)
DCM		112002	Series Instance UID	Identificateur unique d'instance de série
SCT		56021002	Seroma	Lymphocèle
SCT		18346003	Serratus anterior muscle	Muscle dentelé antérieur
SCT		24484000	Severe	Sévère
SCT		246112005	Severity	Gravité
DCM		112124	Shadow	Image
SCT		41601005	Shaft of rib	Corps de la côte
SCT		107644003	Shape	Forme
DCM		112137	Sharply defined	A limites nettes
DCM		112140	Sharply demarcated	Très nettement délimité
SCT		103340004	Short Axis	Petit axe
SCT		87737001	Signet ring cell carcinoma	Carcinome à cellules en bague à chaton
DCM		112069	Signet-ring sign	Signe de la bague à châton
DCM		112152	Silhouette sign	Signe de la silhouette
DCM		111296	Silicone granuloma	Granulome au silicone
DCM		111059	Single Image Finding	Elément présent sur une seule image
DCM		112024	Single Image Finding Modifier	Modificateur lié à une anomalie visible sur une seule image
DCM		112008	Site involvement	Site atteint
SCT		33586001	sitting	Assis
DCM		112025	Size Descriptor	Descripteur de la taille
SCT		95324001	Skin lesion	Lésion cutanée
SCT		129796009	Skin retraction of breast	Rétraction cutanée du sein
SCT		129797000	Skin thickening of breast	Épaississement cutané du sein
SCT		255507004	Small	Petit
DCM		112125	Small irregular opacities	Petites opacités irrégulières
DCM		112126	Small rounded opacities	Micro-nodules
DCM		112144	Soft tissue	Tissus mous
DCM		111218	Software failure	Défaillance logicielle
SCT		133884007	Spatial collocation analysis	Analyse de colocalisation spatiale
SCT		133885008	Spatial proximity analysis	Analyse de proximité spatiale
DCM		112136	Spiculated	Spiculée
SCT		129742005	Spiculated lesion	Lésion spiculée

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		4317002	Spinalis muscle	Muscles spinaux
SCT		110451006	Spindle cell nodule (tumor)	Nodule (tumeur) à cellules fusiformes
SCT		421060004	Spine	Rachis
SCT		55678000	Spinous process of vertebra	Apophyse épineuse de la vertèbre
SCT		399055006	Spot Compression	Compression localisée
SCT		399055006	Spot compression	Compression localisée
DCM		111136	Spot magnification view(s)	Agrandissement localisé
SCT		28899001	Squamous cell carcinoma	Carcinome épidermoïde
DCM		111340	Squamous cell carcinoma of the nipple	Carcinome épidermoïde du mamelon
UCUM		cm2	Square centimeter	Centimètre carré
UCUM		um2	Square micrometer	Micromètre carré
UCUM		mm2	Square millimeter	Millimètre carré
DCM		112183	Standard Deviation of Attenuation Coefficient	Ecart-type des coefficients d'atténuation
SCT		10904000	standing	En position verticale
SCT		56353002	Staple	Agrafe
SCT		44612009	Sternal angle	Angle sternal
SCT		22823000	Sternocleidomastoid muscle	Muscle sterno-cleïdo-mastoïdien
SCT		56873002	Sternum	Sternum
SCT		87068006	stooped-over	Penché en avant
DCM		112094	Stripe	Bande
DCM		111060	Study Date	Date de l'étude
DCM		111061	Study Time	Heure de l'étude
SCT		19939008	Subacute	Subaigu
SCT		129784002	Subareolar position	Situation rétroaréolaire
SCT		61397002	Subcapsular	Sous-capsulaire
SCT		36765005	Subclavian artery	Artère subclavière
SCT		9454009	Subclavian vein	Veine subclavière
SCT		64658001	Subcostal muscle	Muscle subcostal
DCM		112153	Subpleural	Sous-pleural
DCM		112115	Subpleural line	Ligne sous-pleurale
DCM		112098	Subscapular Fossa	Fosse subscapulaire
SCT		90588001	Subscapularis muscle	Muscle subscapulaire
DCM		111222	Succeeded	Succès
DCM		111062	Successful Analyses	Analyses réussies
DCM		111063	Successful Detections	Procédures de détection réussies
DCM		111146	Suggestive of malignancy - take appropriate action	Évocateur de malignité, une action appropriée doit être entreprise
DCM		111065	Summary of Analyses	Résumé des analyses
DCM		111064	Summary of Detections	Résumé des procédures de détections

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		26283006	Superficial	Superficiel
SCT		264217000	Superior	Supérieur
SCT		181900008	Superior articular facet of axis	Facette articulaire supérieure de l'axis
SCT		317665004	Superior articular process of vertebra	Massif articulaire supérieur
SCT		38991005	Superior phrenic artery	Artère phrénique supérieure
SCT		48345005	Superior vena cava	Veine cave supérieure
SCT		399188001	superolateral to inferomedial oblique	Supérolatéral vers inféromédial oblique
SCT		40199007	supine	Décubitus
SCT		6423006	Supraspinatus muscle	Muscle supraépineux
SCT		26493002	Suprasternal notch	Creux sus-sternal
SCT		410679008	Surface	Surface
SCT		27065002	Suture	Matériel de suture
SCT		31099001	Systemic	Systémique
SCT		281157001	Systemic vascular structure	Structure vasculaire systémique
SCT		399110001	Tangential	Tangentiel
DCM		112162	Target	« cible »
DCM		111155	Target content items are related contra-laterally	Les items de contenu sont situés de façon controlatérale
DCM		111154	Target content items are related spatially	Les items de contenu sont reliés spatialement
DCM		111153	Target content items are related temporally	Les items de contenu sont reliés temporellement
DCM		112074	Target Lesion at Baseline	Lésion « cible » à T0
DCM		112041	Target Lesion Complete Response	Réponse complète sur lésions « cibles »
DCM		112042	Target Lesion Partial Response	Réponse partielle sur lésions « cibles »
DCM		112043	Target Lesion Progressive Disease	Progression de la maladie sur lésions « cibles »
DCM		112044	Target Lesion Stable Disease	Maladie stable sur ésions « cibles»
DCM		123014	Target Region	Région cible
DCM		111194	Technical factors missing	Paramètres techniques absents
SCT		159016003	Technologist	Technicien
SCT		133886009	Temporal correlation	Corrélation temporelle
SCT		1193009	Teres major muscle	Muscle grand rond
SCT		51159009	Teres minor muscle	Muscle petit rond
DCM		112010	Texture Descriptor	Descripteur de la texture
SCT		1732005	Thoracic Duct	Canal thoracique
DCM		112032	Threshold Attenuation Coefficient	Valeur de coefficient d'atténuation seuil
SCT		69954004	Thrombophlebitis of breast (Mondor's disease)	Thrombophlébite du sein (maladie de Mondor)

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		9875009	Thymus Gland	Thymus
SCT		6538005	Thyrocervical trunk	Tronc thyro-bicervico-scapulaire
SCT		69748006	Thyroid	Thyroïde
DCM		112133	Too small	Trop petit
SCT		118755002	Trabeculae carnae	Piliers du ventricule
SCT		129795008	Trabecular thickening of breast	Épaississement trabéculaire du sein
SCT		44567001	Trachea	Trachée
SCT		48387007	Tracheotomy	Trachéotomie
DCM		112039	Tracking Identifier	Identifiant d'anomalie
DCM		112040	Tracking Unique Identifier	Identifiant unique d'anomalie
DCM		112116	Tramline shadow	Image en rail
DCM		110006	Transcription (task)	Transcription
DCM		110012	Transcription (type of output)	Transcription
SCT		62824007	Transverse	Transverse
SCT		73400003	Transverse process of vertebra	Apophyse transverse de la vertèbre
SCT		88454005	Transversus thoracis	Muscle transverse du thorax
SCT		31764008	Trapezius muscle	Muscle trapèze
DCM		112127	Tree-in-bud sign	Signe de l'arbre en bourgeons
SCT		34106002	Trendelenburg	Trendelenburg
SCT		46030003	Tricuspid Valve	Valve atrioventriculaire droite
SCT		113198008	Tubercle of rib	Tubercule de la côte
SCT		4631006	Tubular adenocarcinoma	Carcinome tubuleux
SCT		19665009	Tubular adenoma	Adénome tubuleux
SCT		129794007	Tubular density	Opacité tubulaire
DCM		112117	Tubular shadow	Image tubulée
DCM		112009	Type of Content	Type de contenu
SCT		16310003	Diagnostic ultrasonography	Procédure échographique
LN		18760-9	Ultrasound Report	Compte rendu d'échographie
DCM		111211	Under exposed	Sous-exposé
SCT		66459002	Unilateral	Unilatéral
SCT		66459002	Unilateral	Unilatéral
DCM		111221	Unknown failure	Défaillance inconnue
DCM		111176	Unspecified	Non spécifié
DCM		112187	Unspecified method of calculation	Méthode de calcul non spécifiée
DCM		111235	Unusable - Quality renders image unusable	Inexploitable - La qualité rend l'image inexploitable
SCT		264217000	Upper	En haut
SCT		80581009	Upper abdomen	Abdomen supérieur
SCT		77831004	Upper inner quadrant of breast	Quadrant supéro-interne du sein
SCT		77831004	Upper inner quadrant of breast	Quadrant supéro-interne du sein

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
SCT		45653009	Upper lobe of lung	Lobe supérieur du poumon
SCT		76365002	Upper outer quadrant of breast	Quadrant supéro-externe du sein
SCT		76365002	Upper outer quadrant of breast	Quadrant supéro-externe du sein
SCT		281392002	Upper zone of lung	Zone supérieure du poumon
SCT		286558002	Ureteric stent	Stent urétral
DCM		111236	Usable - Does not meet the quality control standard	Exploitable - Ne répond pas aux standards de contrôle de qualité
DCM		111237	Usable - Meets the quality control standard	Exploitable - Répond aux standards de contrôle de qualité
SCT		129759000	Vascular calcification	Calcification vasculaire
DCM		112077	Vasoconstriction	Vasoconstriction
DCM		112078	Vasodilation	Vasodilatation
SCT		257409000	Vena cava filter	Filtre cave
SCT		255549009	Ventral	Ventral
SCT		21814001	Ventricle	Ventricule
DCM		121098	Verifying	Qui vérifie
SCT		51282000	Vertebra	Vertèbre
SCT		85234005	Vertebral artery	Artère vertébrale
SCT		61853006	Vertebral canal	Canal vertébral
SCT		280734009	Vertebral foramen	Foramen intervertébral
DCM		112097	Vertebral Intervertebral Notch	Trou des apophyses transverses cervicales
SCT		33096000	Vertical	Vertical
SCT		33096000	Vertical	Vertical
DCM		111066	Vertical Pixel Spacing	Espacement vertical des pixels
DCM		112132	Very small	Très petit
DCM		111178	View and Laterality Marker does not have both view and laterality	Le marquage n'indique ni l'incidence ni le côté
DCM		111183	View and Laterality Marker is incorrect	Le marquage est incorrect
DCM		111177	View and Laterality Marker is missing	Marquage absent
DCM		111180	View and Laterality Marker is not near the axilla	Le marquage n'est pas près de l'aisselle
DCM		111184	View and Laterality Marker is off image	Le marquage est en dehors du film
DCM		111182	View and Laterality Marker is partially obscured	Le marquage est partiellement masqué
DCM		111181	View and Laterality Marker overlaps breast tissue	Le marquage chevauche le sein
DCM		111298	Virginal hyperplasia	Hypertrophie juvénile
SCT		118565006	Volume	Volume

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning French Language
DCM		121216	Volume estimated from single 2D region	Volume estimé à partir d'une seule région 2D
DCM		121217	Volume estimated from three or more non-coplanar 2D regions	Volume estimé à partir de trois régions 2D non coplanaires ou plus
DCM		121218	Volume estimated from two non-coplanar 2D regions	Volume estimé à partir de deux régions 2D non coplanaires
DCM		121219	Volume of bounding three dimensional region	Volume d'une région tridimensionnelle de forme quelconque
DCM		121220	Volume of circumscribed sphere	Volume de la sphère circonscrite
DCM		121221	Volume of ellipsoid	Volume d'un éllipsoïde
DCM		121222	Volume of sphere	Volume d'une sphère
DCM		112056	Volume scoring method	Score de calcification coronaire basé sur le volume de chaque calcification
UCUM		wk	Week	Semaine
SCT		260409000	Well defined	Bien définie
DCM		112139	Well demarcated	Bien délimité
DCM		112029	WHO	OMS
SCT		103355008	Width	Largeur
DCM		112026	Width Descriptor	Descripteur de la largeur
SCT		20298003	Xiphoid process of sternum	Appendice xiphoïde
UCUM		a	Year	Année

Note

1. DAO = Détection Assistée par Ordinateur
2. In (113006, DCM, "For Therapy"), therapy could be translated as "thérapeutique" as well as "traitement". There is an issue with the word "traitement" because it is the same word used for image processing. To avoid any ambiguity we have chosen the word "thérapeutique", which is less used in common language.

Table E-2 provides a mapping of pathology codes used in DICOM, to ADICAP (L'association pour le Développement de l'Informatique en Anatomie et Cytologie Pathologiques).

Table E-2. Mapping of Pathology Codes used in DICOM to ADICAP

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning French Language	Equivalent ADICAP Code
SCT		37279009	(Tumeur) amyloïde	5310
SCT		22024005	Adénolipome	A0L2
DCM		111258	Adénome ductal	A0B2
SCT		128651002	Adénome lactant	A0M2
SCT		8360001	Adénome pléomorphe	A0R8
SCT		19665009	Adénome tubuleux	A0P1
DCM		111250	Adénomyoépithéliome	A0A0
SCT		57597008	Adénose	6772
DCM		111284	Adénose microglandulaire	6772

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning French Language	Equivalent ADICAP Code
SCT		50916005	Adénose sclérosante	6772
SCT		73219006	Angiolipome	L0P1
SCT		14350002	Angiomatose	V0C0
SCT		39000009	Angiosarcome (hémangiosarcome)	V7A0
SCT		72495009	Carcinome (mucineux) colloïde	A7N4
SCT		11671000	Carcinome adénoïde kystique (cylindrome)	A7X6
SCT		57141000	Carcinome apocrine	A7K6
DCM		111307	Carcinome basocellulaire du mamelon	B7A0
SCT		82711006	Carcinome canalaire infiltrant	A7A0
DCM		111340	Carcinome épidermoïde du mamelon	E7A0
DCM		111341	Carcinome intracanalaire	A5B2
SCT		109888004	Carcinome lobulaire in situ mammaire	A5B0
SCT		89740008	Carcinome lobulaire infiltrant	A7B1
SCT		41919003	Carcinome mammaire sécrétoire (juvénile)	A7N7
SCT		32913002	Carcinome médullaire	A7X2
SCT		22694002	Carcinome métaplasique	A7W0
SCT		25910003	Carcinome papillaire infiltrant	A7C6
SCT		4631006	Carcinome tubuleux	A7F0
SCT		31186001	Chondrome	C0A0
SCT		14990007	Chondrosarcome	C7A0
SCT		133855003	Cicatrice radiaire	6773
SCT		21381006	Cytostéatonécrose mammaire	5230
SCT		19928005	Fibomatose	F0F0
SCT		65877006	Fibroadénome	A0P2
SCT		46212000	Fibroadénome juvénile	A0P2
SCT		53654007	Fibrosarcome	F7A0
SCT		22049009	Galactophorite ectasiante mammaire (ectasie canalaire mammaire)	6546
SCT		4754008	Gynécomastie	6551
SCT		51398009	Hamartome	D0S0
SCT		2099007	Hémangiome	V0A0
SCT		93473009	Hémangiome sous-cutané non parenchymateux	V0A0
SCT		56468002	Hémangiome veineux	VOA8
SCT		36060005	Hémangiopéricytome	V0K0
SCT		67617000	Hyperplasie canalaire	6712
SCT		6660000	Hyperplasie intracanalaire atypique	6830
SCT		33889003	Hyperplasie lobulaire atypique	6840
SCT		6703006	Hyperplasie lobulaire mammaire	6721
DCM		111298	Hypertrophie juvénile	6080
SCT		77296004	Infarctus mammaire	4710

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning French Language	Equivalent ADICAP Code
SCT		23583003	Infection	7140
SCT		399294002	Kyste du sein	6544
SCT		44598004	Léiomyome	L0A0
SCT		51549004	Léiomyosarcome	L7A0
SCT		46720004	Lipome	L0L0
SCT		1929004	Lymphome non hodgkinien	K7G0
SCT		14537002	Maladie de Hodgkin	K7A0
SCT		2985005	Maladie de Paget du mamelon	A7B7
DCM		111259	Mastopathie diabétique	5010
DCM		111334	Mélanome malin du mamelon	M7A0
SCT		89084002	Neurofibrome	N0L0
SCT		21708004	Ostéosarcome	Q7A0
SCT		23730008	Papillome	A0P4 (unique), A0S4 (multiple)
SCT		10639003	Plasmocytome	K7M0
SCT		37058002	Réaction à corps étranger	7440
SCT		87913009	Sarcome phyllode (Cystosarcome phyllode malin)	A7P6
SCT		12169001	Tumeur à cellules granuleuses	X0H4
SCT		71232009	Tumeur phyllode	A0P6

F Japanese Language Meanings of Selected Codes Used in The DCMR (Normative)

Table F-1. Japanese Language Meanings of Selected Codes

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
BI	3.0	II.AC.a	0 - Need additional imaging evaluation	０ - 追加撮影が必要
BI	3.0	II.AC.b.1	1 - Negative	１ - 異常なし
SCT		129772004	1 o'clock position	1時
SCT		129781005	10 o'clock position	１０時
SCT		129782003	11 o'clock position	１１時
SCT		129783008	12 o'clock position	１２時
BI	3.0	II.AC.b.2	2 - Benign Finding	２ - 良性所見
SCT		129773009	2 o'clock position	2時
BI	3.0	II.AC.b.3	3 - Probably Benign Finding - short interval follow-up	３ - 良性–しかし悪性を否定できず所見–短い間隔での経過観察が必要
SCT		129774003	3 o'clock position	3時
BI	3.0	II.AC.b.4	4 - Suspicious abnormality, biopsy should be considered	４ - 悪性の疑い、生検を考慮
SCT		129775002	4 o'clock position	4時
BI	3.0	II.AC.b.5	5 - Highly suggestive of malignancy, take appropriate action	５ - 悪性、適切な処置が必要
SCT		129776001	5 o'clock position	5時
SCT		129777005	6 o'clock position	６時
SCT		129778000	7 o'clock position	７時
SCT		129779008	8 o'clock position	８時
SCT		129780006	9 o'clock position	９時
DCM		111135	Additional projections	追加撮影（Ｐ）
SCT		11671000	Adenoid cystic carcinoma	嚢胞腺癌
SCT		22024005	Adenolipoma	腺脂肪腫
SCT		128765009	Adenomyoepithelioma	腺筋上皮腫
SCT		57597008	Adenosis	腺症
DCM		111001	Algorithm Name	アルゴリズム 名
DCM		111002	Algorithm Parameters	アルゴリズム・ パラメータ
DCM		111003	Algorithm Version	アルゴリズム・ バージョン（版番号）
DCM		111242	All algorithms succeeded; with findings	全てのアルゴリズムが成功；所見あり
DCM		111241	All algorithms succeeded; without findings	全てのアルゴリズムが成功；所見なし
SCT		129716005	Almost entirely fat	脂肪性
SCT		129760005	Amorphous calcification	淡く不明瞭な

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
SCT		37279009	Amyloid (tumor)	アミロイド腫瘍
DCM		111004	Analysis Performed	解析済みの
SCT		73219006	Angiolipoma	血管脂肪腫
SCT		14350002	Angiomatosis	血管腫症
SCT		39000009	Angiosarcoma	血管肉腫
SCT		255549009	Anterior	前方の
DCM		111141	Any decision to biopsy should be based on clinical assessment	臨床評価に基づいた生検の適応決定（D）
SCT		57141000	Apocrine adenocarcinoma	アポクリン癌
SCT		129792006	Architectural distortion of breast	乳房の構築の乱れ
DCM		111215	Artifact(s) other than grid or detector artifact	検出器のアーチファクト以外のアーチファクト
DCM		111005	Assessment Category	カテゴリー評価
SCT		129790003	Asymmetric breast tissue	非対称性乳房組織
SCT		133889002	Asymmetric breast tissue analysis	非対称性乳房組織解析
SCT		130963002	Asynchronous involution of breast	乳房の非同期性退縮
SCT		6660000	Atypical intraductal hyperplasia	異型性乳管過形成；異型性乳管内過形成
SCT		33889003	Atypical lobular hyperplasia	異型性小葉過形成
BI	3.0	I.E.6	Axillary adenopathy	腋窩リンパ節腫大
SCT		129785001	Axillary tail position	腋窩稜：乳腺の腋窩稜（C'領域）
DCM		111307	Basal cell carcinoma of the nipple	乳頭の基底細胞癌
SCT		102378009	BB shot (Lead Pellet)	鉛小球；BBマーカー
DCM		111143	Biopsy should be considered	要生検（B）
SCT		63762007	Both breasts	両側：両側乳房
SCT		129715009	Breast composition	乳房の構成
SCT		133890006	Breast composition analysis	乳房の構成の解析
DCM		111100	Breast geometry	乳房の形状
SCT		6703006	Breast lobular hyperplasia	小葉過形成：乳腺小葉過形成
DCM		111007	Breast Outline including Pectoral Muscle Tissue	胸筋組織を含む乳房の輪郭
SCT		86122002	Bullet	マーカー
DCM		111017	CAD Processing and Findings Summary	CAD処理と所見の要約
SCT		129769006	Calcification Cluster	石灰化の集簇
DCM		111008	Calcification Distribution	石灰化の分布
DCM		111009	Calcification Type	石灰化のタイプ
SCT		129757003	Calcified skin of breast	皮膚；乳房の皮膚
DCM		111304	Carcinoma in children	小児乳癌
DCM		111305	Carcinoma in ectopic breast	副乳の乳癌
DCM		111310	Carcinoma in pregnancy and lactation	妊娠・授乳期乳癌
SCT		92652009	Carcinoma in situ of male breast	男性乳癌

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
DCM		111306	Carcinoma with endocrine differentiation	内分泌分化を伴う癌
SCT		22694002	Carcinoma with metaplasia	化生を伴う癌
SCT		19923001	Catheter	カテーテル
DCM		111203	CC Nipple not centered on image	頭尾方向撮影 乳頭が画像の中央にない
DCM		111202	CC Not all medial tissue visualized	頭尾方向撮影 内側組織が十分見えていない
DCM		111204	CC Posterior nipple line does not measure within 1 cm of MLO	頭尾方向撮影 乳頭後方線が内外斜位方向の１ｃｍ以内に計測できない
DCM		111010	Center	中心部
SCT		129786000	Central portion of breast position	中央部：乳腺の中央部
DCM		111011	Certainty of Feature	特徴の確信度
DCM		111012	Certainty of Finding	所見の確信度
DCM		111013	Certainty of Impression	インプレッションの確信度
SCT		31186001	Chondroma	軟骨腫
SCT		14990007	Chondrosarcoma	軟骨肉腫
SCT		129738007	Circumscribed lesion	境界明瞭平滑
SCT		77720000	Clip	クリップ
DCM		111014	Clockface or region	時計表示あるいは領域
SCT		129749001	Coarse (popcorn-like) calcification	粗大（ポップコーン状）
DCM		111195	Collimation too close to breast	コリメーションが乳房に近すぎる
SCT		228761004	Collimator	コリメータ
DCM		111015	Composite Feature	乳房の構成の特徴
DCM		111016	Composite type	乳房の構成のタイプ
DCM		111018	Content Date	記録日
DCM		111019	Content Time	記録時間
SCT		7140000	Contrast agent NOS	造影剤
SCT		399294002	Cyst of breast	乳腺嚢胞
DCM		111147	Cytologic analysis	細胞診（Ｙ）
DCM		111193	Date sticker is missing	日付けステッカーがない
UCUM		d	Day	日
SCT		129727007	Decrease in number of calcifications	石灰化の数の減少
SCT		19776001	Decrease in size	サイズの縮小
SCT		129793001	Mammography breast density	乳房画像の濃度
DCM		111020	Depth	深さ（三次元表示の奥行き）
DCM		111021	Description of Change	変化の記載
DCM		111022	Detection Performed	検出済みの
DCM		111214	Detector artifact(s)	検出器のアーチファクト
DCM		111259	Diabetic fibrous mastopathy	糖尿病性乳腺症
SCT		129808005	Difference in location	部位

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SCT		442726008	Difference in location	部位
SCT		129812004	Difference in margin	辺縁
SCT		129810007	Difference in number of calcifications	石灰化の数
SCT		129807000	Difference in opacity	濃度
SCT		129811006	Difference in shape	形状
SCT		129806009	Difference in size	大きさ
SCT		442714003	Difference in size	大きさ
SCT		129809002	Difference in spatial proximity	空間的近接判定
SCT		129813009	Difference in symmetry	対称性
DCM		111023	Differential Diagnosis/Impression	鑑別診断/インプレッション
SCT		129764001	Diffuse calcification distribution	びまん性 / 散在性
DCM		111258	Ductal adenoma	乳管腺腫
SCT		67617000	Ductal hyperplasia, Usual	乳管過形成；乳管内過形成
SCT		18102001	Mammary ductogram	乳房造影（Ｇ）
SCT		129750001	Dystrophic calcification	異栄養性；異栄養性石灰化
SCT		129751002	Eggshell calcification	卵殻状
DCM		111217	Electrical failure	電気系の故障
SCT		129745007	Equal density (isodense) lesion	等濃度
SCT		129719003	Extremely dense	高濃度
DCM		111224	Failed	失敗
DCM		111024	Failed Analyses	解析の失敗
DCM		111025	Failed Detections	検出の失敗
SCT		129747004	Fat containing (radiolucent) lesion	脂肪濃度を含む（X線透亮性）
SCT		21381006	Fat necrosis of breast	脂肪壊死：乳房の脂肪壊死
DCM		111159	Feature detected on images from multiple modalities	多数の検査法で検出される特徴
DCM		111158	Feature detected on multiple images	多数の画像で検出される特徴
DCM		111157	Feature detected on only one of the images	１画像でのみ検出される特徴
DCM		111156	Feature detected on the only image	画像のみで検出される特徴
SCT		65877006	Fibroadenoma	線維腺腫
DCM		111263	Fibroadenomatoid hyperplasia	線維腺腫様過形成：腺線維筋腫様過形成
SCT		19928005	Fibromatosis	線維腫症
SCT		53654007	Fibrosarcoma	線維肉腫
DCM		111072	Finding partially removed	部分的に消失した所見
SCT		129761009	Fine, linear (casting) calcification	微細線状
SCT		129762002	Fine, linear, branching (casting) calcification	微細線状分枝状
DCM		111191	Flash doesn't include cassette/screen/detector identification	患者情報等欄にカセッテ / スクリーン/検出器名がない

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
DCM		111188	Flash doesn't include date of examination	患者情報等欄に検査日がない
DCM		111189	Flash doesn't include facility name and location	患者情報等欄に施設名と所在地がない
DCM		111192	Flash doesn't include mammography unit identification	患者情報等欄に乳房撮影装置名がない
DCM		111187	Flash doesn't include patient name and additional patient id	患者情報等欄に患者の氏名および追加情報がない
DCM		111190	Flash doesn't include technologist identification	患者情報等欄に技師名がない
DCM		111186	Flash is illegible, does not fit, or is lopsided	患者情報等欄が読みにくい、大きさがあっていない、あるいは傾いている
DCM		111185	Flash is not near edge of film	患者情報等欄がフィルムの端にない
SCT		129789007	Focal asymmetric breast tissue	局所性非対称性乳房組織
SCT		133888005	Focal asymmetric density analysis	局所性非対称性陰影
DCM		111142	Follow-up at short interval (1-11 months)	短期間での経過観察（１－１１ヶ月）（Ｆ）
SCT		37058002	Foreign body (reaction)	異物反応
SCT		74280008	Glycogen-rich carcinoma	グリコーゲンに富む癌
SCT		12169001	Granular cell tumor	顆粒細胞腫
DCM		111208	Grid artifact(s)	グリッドのアーチファクト
SCT		129766004	Grouped calcification distribution	集簇性
SCT		4754008	Gynecomastia	女性化乳房
SCT		51398009	Hamartoma	過誤腫
SCT		2099007	Hemangioma	血管腫
SCT		93473009	Hemangioma of subcutaneous tissue	非実質性皮下組織血管腫
SCT		56468002	Hemangioma - venous	静脈性血管腫
SCT		36060005	Hemangiopericytoma	血管周皮腫
SCT		129763007	Heterogeneous calcification	不均一なあるいは多形性の
SCT		129718006	Heterogeneously dense	不均一高濃度
SCT		129744006	High density lesion	高濃度
DCM		111145	Histology using core biopsy	コア針生検（Ｈ）
SCT		14537002	Hodgkin's disease (lymphoma)	ホジキン病
DCM		111026	Horizontal Pixel Spacing	水平方向ピクセル間隔
SCT		129467007	ID Plate	IDプレート
DCM		111027	Image Laterality	画像の左右差
DCM		111028	Image Library	画像ライブラリ
DCM		111101	Image Quality	画像の品質
SCT		133887000	Image quality analysis	画像の品質解析
DCM		111029	Image Quality Rating	画質のランク付
DCM		111030	Image Region	画像領域

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
DCM		111031	Image View	画像表示用符号変換系列
DCM		111032	Image View Modifier	画像表示用符号系列
SCT		40388003	Implant	インプラント
SCT		129731001	Implant revised since previous mammogram	インプラントの修正
DCM		111033	Impression Description	インプレッションの記載
DCM		111196	Inadequate compression	圧迫不良
DCM		111219	Inappropriate image processing	現像機の故障
SCT		129726003	Increase in number of calcifications	石灰化の数の増加
SCT		15454001	Increase in size	サイズの増大
SCT		129741003	Indistinct lesion	境界不明瞭
SCT		129770007	Individual Calcification	個々の石灰化
DCM		111233	Individual Impression / Recommendation Analysis	個々のインプレッション / 推奨の解析
DCM		111034	Individual Impression/Recommendation	個々のインプレッション / 推奨
SCT		77296004	Infarction of breast	梗塞：乳腺の梗塞
SCT		23583003	Inflammation	感染
SCT		32968003	Inflammatory carcinoma	炎症性乳癌
DCM		111206	Insufficient implant displacement incorrect	インプラントの圧排不十分
DCM		111341	Intraductal carcinoma, high grade	非浸潤性乳管癌：ＤＣＩＳ
SCT		443808008	Intramammary lymph node	乳房内リンパ節
SCT		30156004	Invasive cribriform carcinoma	浸潤性篩状癌
SCT		82711006	Infiltrating duct carcinoma	浸潤性乳管癌
SCT		89740008	Invasive lobular carcinoma	浸潤性小葉癌
SCT		49608001	Irregular	不整形
SCT		129463006	J Wire	Jワイヤー
SCT		46212000	Juvenile fibroadenoma	若年性線維腺腫
DCM		111277	Juvenille papillomatosis	若年性乳頭腫症
SCT		128651002	Lactating adenoma	授乳性腺腫
SCT		129752009	Large rod-like calcification	大きな桿状
SCT		80248007	Left breast	左：左乳房
SCT		44598004	Leiomyoma	平滑筋腫
SCT		51549004	Leiomyosarcoma	平滑筋肉腫
DCM		111035	Lesion Density	病変の濃度
SCT		129728002	Less defined	より不明瞭になってきた
DCM		111318	Leukemic infiltration	白血病浸潤
SCT		129765000	Linear calcification distribution	線状
SCT		3839000	Lipid-rich (lipid-secreting) carcinoma	脂肪に富む（脂質分泌）癌
SCT		46720004	Lipoma	脂肪腫
SCT		40266001	Lobular	分葉状

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SCT		109888004	Lobular carcinoma in situ of breast	非浸潤性小葉癌：ＬＣＩＳ
SCT		129746008	Low density (not containing fat) lesion	低濃度（脂肪を含まない）
SCT		19100000	Lower inner quadrant of breast	内下部：乳房の内下部１／４（Ｂ領域）
SCT		33564002	Lower outer quadrant of breast	外下部：乳房の外下部１／４（Ｄ領域）
SCT		129754005	Lucent-centered calcification	中心透亮性
SCT		399163009	Magnification views	拡大撮影（Ｍ）
DCM		111334	Malignant melanoma of nipple	乳頭の悪性黒色腫
SCT		22049009	Mammary duct ectasia	乳管拡張症
SCT		129788004	Mammographic breast mass	腫瘤
DCM		111036	Mammography CAD Report	マンモグラフィCADのレポート
DCM		111238	Mammography Quality Control Manual 1999, ACR	マンモグラフィ品質管理マニュアル1999, ACR
DCM		111037	Margins	辺縁
DCM		111216	Mechanical failure	機械の故障
SCT		32913002	Medullary carcinoma	髄様癌
DCM		111284	Microglandular adenosis	微小腺管腺症
SCT		129739004	Microlobulated lesion	微細分葉状
~~SCT~~NCIt		~~260528009~~C25569	Middle	~~中央の~~中間
SCT		129753004	Milk of calcium calcification	石灰乳
DCM		111200	MLO Evidence of motion blur	内外斜位方向撮影 体動によるブレがある
DCM		111201	MLO Inframammary fold is not open	内外斜位方向撮影 乳房下溝が開いていない
DCM		111197	MLO Insufficient pectoral muscle	内外斜位方向撮影 胸筋の描出が不十分
DCM		111198	MLO No fat is visualized posterior to fibroglandular tissues	内外斜位方向撮影 乳腺後隙の脂肪が見られない
DCM		111199	MLO Poor separation of deep and superficial breast tissues	内外斜位方向撮影 乳房組織の深部および表在乳腺の分離が不良である
UCUM		mo	Month	月
SCT		129729005	More defined	より明瞭になってきた
DCM		111210	Motion blur	患者の体動
SCT		72495009	Mucinous adenocarcinoma (Colloid carcinoma)	粘液癌
DCM		111283	Myofibroblastoma	筋線維芽腫
DCM		111144	Needle localization and biopsy	針留置による位置決めと生検（Ｌ）
SCT		126510002	Neoplasm of mammary skin	乳房皮膚の新生物
SCT		89084002	Neurofibroma	神経線維腫
SCT		129721008	New finding	新しい所見
SCT		24142002	Nipple	乳頭

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SCT		31845005	Nipple retraction	乳頭陥凹
DCM		111245	No algorithms succeeded; without findings	全てのアルゴリズムが失敗；所見なし
DCM		111213	No image	画像なし
SCT		129723006	No significant changes in the finding	所見上、著変なし
SCT		1929004	Non-Hodgkin's lymphoma	非ホジキンリンパ腫
DCM		111102	Non-lesion	病変がない
DCM		111140	Normal interval follow-up	通常間隔での経過観察（Ｎ）
SCT		31842008	Normal shape	正常乳頭
DCM		111244	Not all algorithms succeeded; with findings	全てのアルゴリズムが成功した訳ではない；所見あり
DCM		111243	Not all algorithms succeeded; without findings	全てのアルゴリズムが成功した訳ではない；所見なし
DCM		111225	Not Attempted	未施行
DCM		111152	Not for Presentation: Rendering device expected not to present	提示の必要なし：表示装置提示の必要なし
DCM		111038	Number of calcifications	石灰化の数
DCM		111039	Object type	対象のタイプ
SCT		129740002	Obscured lesion	評価困難
DCM		111322	Occult carcinoma presenting with axillary lymph node metastases	腋窩リンパ節転移を伴う潜伏癌
DCM		111138	Old films for comparison	比較のための以前のフィルム（Ｏ）
SCT		262301009	Opaque marker	不透明マーカー
DCM		111040	Original Source	情報源
SCT		21708004	Osteogenic sarcoma	骨肉腫
DCM		111220	Other failure	他の故障
DCM		111175	Other Marker	他のマーカー
DCM		111041	Outline	輪郭
DCM		111212	Over exposed	露光過多
DCM		111234	Overall Impression / Recommendation Analysis	全体のインプレッション / 推奨の解析
SCT		84360004	Ovoid shape (Oval)	楕円形
SCT		118378005	Cardiac Pacemaker	ペースメーカー
SCT		129460009	Compression paddle	圧縮パドル
SCT		2985005	Paget's disease, mammary (of the nipple)	乳頭のパジェット病
SCT		25910003	Papillary carcinoma (invasive)	浸潤性乳頭癌
SCT		23730008	Papilloma	乳頭腫
DCM		111223	Partially Succeeded	部分的成功
DCM		111042	Pathology	病理
DCM		111043	Patient Orientation Column	患者情報 行
DCM		111044	Patient Orientation Row	患者情報 列

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
DCM		111045	Pectoral Muscle Outline	胸筋輪郭
DCM		111046	Percent Glandular Tissue	乳腺組織の割合（％）
SCT		71232009	Phyllodes tumor	良性葉状腫瘍
SCT		87913009	Phyllodes tumor, malignant	悪性葉状腫瘍
SCT		10639003	Plasmacytoma	形質細胞腫
SCT		8360001	Pleomorphic adenoma	混合腫瘍（多形腺腫）
DCM		111209	Positioning	ポジショニング
SCT		255551008	Posterior	後方の
DCM		111151	Presentation Optional: Rendering device may present	提示はオプションである：表示装置の提示は自由
DCM		111150	Presentation Required: Rendering device is expected to present	提示が必要である：表示装置の提示必要
DCM		111047	Probability of cancer	癌の可能性
DCM		111292	Pseudoangiomatous stromal hyperplasia	偽血管腫様間質過形成
SCT		129755006	Punctate calcification	点状
DCM		111048	Quadrant location	位置表示（四分の一円）
DCM		111049	Qualitative Difference	質的相違
DCM		111050	Quality Assessment	品質評価
DCM		111051	Quality Control Standard	品質管理の基準
DCM		111052	Quality Finding	品質に関する所見
SCT		133855003	Radial scar	放射状硬化性病変（放射状瘢痕）
DCM		111053	Recommended Follow-up	経過観察の推奨
DCM		111054	Recommended Follow-up Date	推奨される経過観察日
DCM		111055	Recommended Follow-up Interval	推奨される経過観察間隔
SCT		129767008	Regional calcification distribution	領域性
SCT		129730000	Removal of implant since previous mammogram	インプラントの除去
DCM		111056	Rendering Intent	結果表示するかどうか
SCT		73056007	Right breast	右：右乳房
SCT		42700002	Round shape	円形
SCT		12402003	Scar tissue	瘢痕組織
SCT		129717001	Scattered fibroglandular densities	乳腺散在
SCT		50916005	Sclerosing adenosis	硬化性腺症
DCM		111057	Scope of Feature	特徴の範囲
SCT		41919003	Secretory (juvenile) carcinoma of the breast	分泌癌（若年性癌）：分泌性乳癌（若年性乳癌）
SCT		129768003	Segmental calcification distribution	区域性
DCM		111099	Selected region	選択された領域
DCM		111058	Selected Region Description	選択領域の記述
SCT		107644003	Shape	形状
DCM		111059	Single Image Finding	1画像の所見

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
SCT		95324001	Skin lesion	皮膚病変
SCT		129796009	Skin retraction of breast	乳房の皮膚陥凹
SCT		129797000	Skin thickening of breast	乳房の皮膚肥厚
DCM		111218	Software failure	ソフトウエアの故障
SCT		133884007	Spatial collocation analysis	空間的なデータ対応付け解析
SCT		133885008	Spatial proximity analysis	空間的なデータ近接判定解析
SCT		129742005	Spiculated lesion	スピキュラを伴う
SCT		399055006	Spot compression	スポット圧迫撮影（Ｓ）
DCM		111136	Spot magnification view(s)	拡大スポット撮影（Ｖ）
DCM		111340	Squamous cell carcinoma of the nipple	乳頭の扁平上皮癌
SCT		56353002	Staple	ステープル
DCM		111060	Study Date	検査日
DCM		111061	Study Time	検査時刻
SCT		129784002	Subareolar position	乳輪下
DCM		111222	Succeeded	成功
DCM		111062	Successful Analyses	解析の成功
DCM		111063	Successful Detections	検出の成功
DCM		111146	Suggestive of malignancy - take appropriate action	悪性–適切な処置が必要（Ｔ）
DCM		111065	Summary of Analyses	解析の要約
DCM		111064	Summary of Detections	検出の要約
SCT		27065002	Suture	縫合
DCM		111155	Target content items are related contra-laterally	Target content itemsは対側のそれらに関連している
DCM		111154	Target content items are related spatially	Target content itemsは空間的に関連している
DCM		111153	Target content items are related temporally	Target content itemsは時間的に関連している
DCM		111194	Technical factors missing	撮影条件がない
SCT		133886009	Temporal correlation	経時的相関
SCT		129795008	Trabecular thickening of breast	乳房の梁柱の肥厚
SCT		4631006	Tubular adenocarcinoma	管状癌
SCT		19665009	Tubular adenoma	管状腺腫
SCT		129794007	Tubular density	管状影
SCT		16310003	Diagnostic ultrasonography	超音波検査手技（Ｕ）
DCM		111211	Under exposed	露光不足
DCM		111221	Unknown failure	原因不詳の故障
DCM		111176	Unspecified	非特定の物質
DCM		111235	Unusable - Quality renders image unusable	使用不可–画像構成の品質は使用不可である
SCT		77831004	Upper inner quadrant of breast	内上部：乳房の内上部１／４（A領域）

Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
SCT		76365002	Upper outer quadrant of breast	外上部：乳房の外上部１／４（C領域）
DCM		111236	Usable - Does not meet the quality control standard	使用可–品質管理の基準に達していない
DCM		111237	Usable - Meets the quality control standard	使用可–品質管理の基準に達している
SCT		129759000	Vascular calcification	血管
DCM		111066	Vertical Pixel Spacing	垂直方向のピクセル間隔
DCM		111179	View and Laterality Marker does not have approved codes	鉛マーカーはFDAのコードがない
DCM		111178	View and Laterality Marker does not have both view and laterality	鉛マーカーは撮影方向と左右の表示がない
DCM		111183	View and Laterality Marker is incorrect	鉛マーカーは正しい位置にない
DCM		111177	View and Laterality Marker is missing	鉛マーカーがみられない
DCM		111180	View and Laterality Marker is not near the axilla	鉛マーカーは腋窩の近くにない
DCM		111184	View and Laterality Marker is off image	鉛マーカーがフィルム外である
DCM		111182	View and Laterality Marker is partially obscured	鉛マーカーは一部覆い隠されている
DCM		111298	Virginal hyperplasia	若年性過形成
UCUM		wk	Week	週
UCUM		a	Year	年

G English Code Meanings of Selected Codes (Normative)

Table G-1. English Code Meanings of Selected Codes

Coding Scheme Designator	Code Value	Code Meaning
UCUM	1	unary
		no units
UCUM	{ratio}	ratio
SCT	31811003	Carbon dioxide
		Carbon dioxide gas
SCT	419442005	Ethanol
		Ethyl alcohol
SCT	1182007	Hypotensive agent
		Antihypertensive agent
		Antihypertensive drug
SCT	303960004	Thrombolytic agent
		Fibrinolytic agent
SCT	87811005	Injectable fibrinolysin
		Injectable plasmin
SCT	7140000	Contrast agent
		Radiographic contrast agent
SCT	33271006	Iodohippurate I^131^ sodium
		Iodine^131^ hippuran
SCT	35884005	Iodine^131^ polyvinylpyrrolidone
		Iodine^131^ PVP
SCT	87410002	Technetium Tc^99^ N-substituted iminodiacetate
		Tc^99^ labeled HIDA
SCT	111289009	Congenital pulmonary arteriovenous fistula
		Congenital coronary artery fistula to pulmonary artery
SCT	128584005	Pulmonary artery conduit
		Congenital pulmonary artery conduit
SCT	128566008	Pulmonary vein confluence
		Congenital pulmonary vein confluence
SCT	128567004	Pulmonary venous atrium
		Congenital pulmonary venous atrium
SCT	128568009	Systemic venous atrium
		Congenital systemic venous atrium
SCT	399348003	Antero-posterior
		AP
SCT	272479007	Postero-anterior

Coding Scheme Designator	Code Value	Code Meaning
		PA
SCT	399004004	Oblique axial
		Oblique caudo-cranial
		Oblique cranio-caudal
		Oblique transaxial
		Off-axial
		Off-axial projection
SCT	399260004	Medial-lateral
		Medio-lateral
SCT	399099002	Lateral-medial
		Latero-medial
SCT	399198007	Right lateral projection
		Left to right beam projection
SCT	399173006	Left lateral projection
		Right to left beam projection
SCT	399162004	caudad
		caudal projection
		cranio-caudal projection
SCT	399196006	cephalad
		cranial projection
		caudo-cranial projection
		from below
SCT	272466003	transforamenal
		optic foramen projection
SCT	24028007	Right
		Right lateral
SCT	7771000	Left
		Left lateral
SCT	51440002	Bilateral
		Right and left
SCT	66459002	Unilateral
		One-sided
SCT	255549009	Anterior
		Ventral
SCT	255551008	Posterior
		Dorsal
SCT	66787007	Cephalic
		Cephalad
		Rostral
		Cranial
SCT	3583002	Caudal

Coding Scheme Designator	Code Value	Code Meaning
		Caudad
SCT	255561001	Medial
SCT	261129000	Mediolateral
		Midline
SCT	261074009	External
		Outer
SCT	260521003	Internal
		Inner
SCT	261089000	Inferior
		Lower
SCT	264217000	Superior
		Upper
SCT	81654009	Coronal
		Frontal
SCT	795002	Deep
		Profundis
SCT	399067008	Sagittal Projection
		Lateral Projection
SCT	11723008	Contact with
		Direct contact
SCT	32381004	Hilar
		Hilus
SCT	57183005	Edge
		Along edge
SCT	372464004	Intracutaneous route
		Intradermal route
SCT	26643006	Oral route
		Peroral route
SCT	16857009	Vaginal route
		Per vagina
SCT	45211000	Catheterization
		Insertion of catheter
SCT	6832004	Atherectomy
		Removal of atherosclerotic plaque from artery
SCT	74670003	Wrist joint
		Joint of Wrist
SCT	80891009	Endo-cardiac
		Intra-cardiac
SCT	51114001	Endo-arterial
		Intra-arterial
SCT	12691009	Innominate artery

Coding Scheme Designator	Code Value	Code Meaning
		Brachiocephalic artery
		Brachiocephalic trunk
SCT	12123001	Internal jugular vein
		Vena jugularis interna
SCT	8887007	Innominate vein
		Brachiocephalic vein
SCT	32764006	Portal vein
		Vena portae
SCT	113346000	Omental bursa
		Lesser peritoneal sac
LN	33068-8	Thoracic Area
		FTA
LN	33070-4	Inner Orbital Diameter
		IOD
LN	11727-5	Estimated Weight
		EFW
LN	11948-7	Fetal Heart Rate
		HR
LN	11778-8	Estimated Date of Delivery
		EDD
LN	11955-2	Last Menstrual Period
		LMP
LN	11979-2	Abdominal Circumference
		AC
LN	11818-2	Anterior-Posterior Abdominal Diameter
		APAD
LN	11820-8	Biparietal Diameter
		BPD
LN	11824-0	BPD area corrected
		BPDa
LN	11963-6	Femur Length
		FL
LN	11984-2	Head Circumference
		HC
LN	11851-3	Occipital-Frontal Diameter
		OFD
LN	11988-3	Thoracic Circumference
		TC
LN	11862-0	Tranverse Abdominal Diameter
		TAD
LN	11863-8	Trans Cerebellar Diameter

Coding Scheme Designator	Code Value	Code Meaning
		TCD
		TDC
LN	11864-6	Transverse Thoracic Diameter
		TTD
LN	11629-3	Outer Orbital Diameter
		OOD
LN	11726-7	Peak Velocity
		Peak Systolic Velocity
~~SCT~~	~~103342007~~	~~Mid-Longitudinal~~
		~~Mid~~
Mid		
SCT	21479005	Carotid Bulb
		Carotid Sinus
LN	8277-6	Body Surface Area
		BSA
LN	29462-9	Pulmonary-to-Systemic Shunt Flow Ratio
		Qp/Qs
SCT	263677008	Antegrade Direction
		Antegrade Flow
SCT	312004007	Retrograde Direction
		Regurgitant Flow
LN	11957-8	Crown Rump Length
		CRL
SCT	119853006	Breast implantation
		Implant procedure
SCT	27315000	Removal of breast implant
		Explantation
SCT	247472004	Weal
		Hives
SCT	271989003	Disorder of breast implant
		Breast implant problem
SCT	89164003	Breast lump
		Lump or thickening
SCT	87386002	Peau d'orange surface of breast
		Peau d'orange
SCT	290113009	Bloody nipple discharge
		Bloody discharge
SCT	110265006	Hemorrhage postprocedure
		Abnormal bleeding
SCT	408678008	Healthcare associated infection
		Infection

Coding Scheme Designator	Code Value	Code Meaning
SCT	169254007	Ultrasound scan normal
		Normal; the finding is not seen sonographically
SCT	280416009	Indeterminate result
		Inconclusive
SCT	384668003	Nottingham Combined Grade cannot be determined
		GX - grade cannot be assessed
SCT	309587003	Calcification of breast
		Calcifications
SCT	290069002	Discoloration of skin of breast
		Redness of skin
SCT	290119008	Nipple problem
		Nipple abnormality
SCT	279047007	Persistent pain following procedure
		Unusual pain
SCT	398665005	Vasovagal syncope
SCT	369790002	Nottingham Combined Grade I: 3-5 points
		G1 - Low combined histologic grade (favorable)
SCT	369791003	Nottingham Combined Grade II: 6-7 points
		G2 - Intermediate combined histo grade (moderately favorable)
SCT	369792005	Nottingham Combined Grade III: 8-9 points
		G3 - High combined histologic grade (unfavorable)
SCT	63130001	Surgical scar
		Post-surgical scar
SCT	277591006	Computed tomography guided biopsy
		CT guided
SCT	277592004	Magnetic resonance imaging guided biopsy
		MRI guided
SCT	277667006	Ultrasound guided biopsy
		Ultrasound guided
SCT	237380007	Pre-biopsy localization of breast lesion
		Localization for surgical biopsy
SCT	287572003	Diagnostic aspiration of breast cyst
		Cyst aspiration
SCT	387736007	Fine needle aspiration of breast
		FNA - Fine needle aspiration
SCT	44578009	Core needle biopsy of breast
		Core biopsy
SCT	274331003	Breast - surgical biopsy
		Surgical biopsy
SCT	46662001	Examination of breast
		Clinical breast exam

Coding Scheme Designator	Code Value	Code Meaning
SCT	64318009	Diagnostic radiography, stereotactic localization
		Stereotactic
SCT	80865008	Specimen radiography of breast
		Specimen imaging
SCT	66377006	Radionuclide localization of tumor, limited area
		Scintimammography
SCT	164150006	O/E - axillary lymphadenopathy
		Large axillary lymph nodes
SCT	268951004	O/E - Breast lump palpated
		Palpable abnormality
SCT	307153007	Before procedure
		Pre-
SCT	258270003	High risk tumor
		High risk
SCT	303110006	After procedure
		Follow-up
SCT	408714007	vessel lumen cross sectional area reduction
		lumen area stenosis
SCT	408715008	vessel lumen diameter reduction
		lumen diameter stenosis
SCT	61593002	Ultrasonic guidance procedure
		Ultrasound guided
SCT	129716005	Almost entirely fat
		Almost entirely fat (< = 10% fibroglandular)
SCT	129717001	Scattered fibroglandular densities
		Scattered fibroglandular tissue (11% - 50% fibroglandular)
SCT	129718006	Heterogeneously dense
		Heterogeneously dense (51% - 75% fibroglandular)
SCT	129719003	Extremely dense
		Extremely dense (greater than 75% fibroglandular)
SCT	129763007	Heterogeneous calcification
		Coarse heterogeneous calcification
SCT	129789007	Focal asymmetric breast tissue
		Focal asymmetry
SCT	129790003	Asymmetric breast tissue
		Global asymmetry
SCT	129794007	Tubular density
		Asymmetric tubular structure/solitary dilated duct
SCT	86616005	Intraductal carcinoma, non-infiltrating
		DCIS
SCT	386053000	Evaluation procedure

Coding Scheme Designator	Code Value	Code Meaning
		Clinical evaluation
SCT	169167001	Radioisotope scan of lymphatic system
		Lymphoscintigraphy
SCT	102314001	Embolization coil
		Gianturco coil
SCT	12691009	Brachiocephalic artery
		Brachiocephalic trunk
		Innominate artery
DCM	111046	Percent Fibroglandular Tissue
		Percent Glandular Tissue
~~SCT~~	~~260528009~~	~~Median~~
		~~Middle~~
LN	20280-4	Pressure Half Time
		Pressure Half Time by US.calculated
LN	59089-3	Thickness
		ROI Thickness by US
LN	59090-1	Internal Dimension
		ROI Internal Dimension by US
LN	20247-3	Peak Gradient [Pressure]
		Peak Gradient [Pressure] by US.calculated
LN	20256-4	Mean Gradient [Pressure]
		Mean Gradient [Pressure] by Doppler
SCT	396655006	Left ventricle mid inferolateral segment
		Left Ventricle Posterior Wall
SCT	444371003	Ventricular Ejection
		S-wave
		s-prime
SCT	444392003	Diastolic Rapid Inflow
		E-wave
		e-prime
SCT	59972007	Atrial Systole
		A-wave
		a-prime

H Code Meanings of LOINC Codes in DCMR

Code Meanings for LOINC codes may use the LOINC "Long Common Name" for the Code Meaning, or if that is too long for the Value Representation of Code Meaning, or if it is preferred, the LOINC "Short Name" (which will be less than 40 characters), or synonyms as specified in this Annex.

Table H-1. Code Meanings of LOINC Codes

Code Value	Code Meaning
10160-0	History of Medication Use
11329-0	History
11450-4	Problem List
11522-0	Echocardiography Report
11525-3	Ultrasound Obstetric and Gyn Report
11528-7	Radiology Report
11538-6	CT Chest Report
11539-4	CT Head Report
11540-2	CT Abdomen Report
11541-0	MRI Head Report
11612-9	Aborta
11623-6	Fourth Quadrant Diameter
11624-4	First Quadrant Diameter
11625-1	Third Quadrant Diameter
11626-9	Second Quadrant Diameter
11629-3	Outer Orbital Diameter
11636-8	Live Births
11653-3	End Diastolic Velocity
11665-7	Minimum Diastolic Velocity
11692-1	Time averaged peak velocity
11726-7	Peak Velocity
11726-7	Peak Velocity
11727-5	Estimated Weight
11732-5	EFW by AC, BPD, FL, HC, Hadlock 1985
11734-1	EFW by AC, BPD, FL, Hadlock 1984
11735-8	EFW by AC, BPD, FL, Hadlock 1985
11738-2	EFW by AC, BPD, Hadlock 1984
11739-0	EFW by AC and BPD, Shepard 1982
11746-5	EFW by AC, FL, HC, Hadlock 1985
11750-7	EFW by AC, FL, Hadlock 1984
11751-5	EFW by AC, FL, Hadlcok 1985
11754-9	EFW by AC, HC Hadlock 1984
11756-4	EFW by AC, Campbell 1975
11767-1	EFW percentile rank
11778-8	Estimated Date of Delivery

Code Value	Code Meaning
11779-6	EDD from LMP
11780-4	EDD from ovulation date
11781-2	EDD from average ultrasound age
11793-7	Follicle Diameter
11816-6	Yolk Sac length
11818-2	Anterior-Posterior Abdominal Diameter
11819-0	Anterior-Posterior Trunk Diameter
11820-8	Biparietal Diameter
11823-2	Cephalic Index
11824-0	BPD area corrected
11825-7	Left Kidney width
11827-3	Right Kidney width
11829-9	Left Ovary Width
11830-7	Right Ovary Width
11834-9	Left Kidney length
11836-4	Right Kidney length
11840-6	Left Ovary Length
11841-4	Right Ovary Length
11850-5	Gestational Sac Diameter
11851-3	Occipital-Frontal Diameter
11853-9	Left Kidney thickness
11855-4	Right Kidney thickness
11857-0	Left Ovary Height
11858-8	Right Ovary Height
11860-4	Cisterna Magna
11860-4	Cisterna Magna length
11862-0	Tranverse Abdominal Diameter
11863-8	Trans Cerebellar Diameter
11863-8	Trans Cerebellar Diameter
11864-6	Transverse Thoracic Diameter
11871-1	FL/AC
11872-9	FL/BPD
11873-7	FL/HC
11878-6	Number of Fetuses by US
11884-4	Average Ultrasound Age
11885-1	Gestational Age by LMP
11885-1	Gestational Age by LMP
11886-9	Gestational Age by ovulation date
11888-5	Composite Ultrasound Age
11889-3	AC, Campbell 1975
11892-7	AC, Hadlock 1984
11893-5	AC, Jeanty 1984

Code Value	Code Meaning
11900-8	BPD, Doubilet 1993
11901-6	BPDa, Hadlock 1982
11902-4	BPD, Hadlock 1984
11903-2	BPD, Hansmann 1985
11905-7	BPD, Jeanty 1984
11906-5	BPD, Kurtz 1980
11907-3	BPD, Sabbagha 1978
11910-7	CRL, Hadlock 1992
11911-5	CRL, Hansmann 1985
11913-1	CRL, Nelson 1981
11914-9	CRL, Robinson 1975
11917-2	CRL, Jeanty 1984
11918-0	Fibula, Merz 1987
11920-6	FL, Hadlock 1984
11921-4	FL, Hansmann 1985
11922-2	FL, Hohler 1982
11923-0	FL, Jeanty 1984
11924-8	FL, Merz 1987
11926-3	Foot Length, Mercer 1987
11928-9	GS, Hellman 1969
11929-7	GS, Rempen 1991
11932-1	HC, Hadlock 1984
11934-7	HC, Jeanty 1984
11936-2	Humerus, Jeanty 1984
11937-0	Humerus, Merz 1987
11939-6	Radius, Merz 1987
11941-2	Tibia, Jeanty 1984
11944-6	Ulna, Jeanty 1984
11945-3	Ulna, Merz 1987
11947-9	HC/AC
11948-7	Fetal Heart Rate
11955-2	Last Menstrual Period
11957-8	Crown Rump Length
11961-0	Cervix Length
11962-8	Clavicle length
11963-6	Femur Length
11964-4	Fibula length
11965-1	Foot length
11966-9	Humerus length
11967-7	Radius length
11968-5	Tibia length
11969-3	Ulna length

Code Value	Code Meaning
11976-8	Ovulation date
11977-6	Para
11979-2	Abdominal Circumference
11984-2	Head Circumference
11988-3	Thoracic Circumference
11996-6	Gravida
12008-9	Pulsatility Index
12023-8	Resistivity Index
12144-2	Systolic to Diastolic Velocity Ratio
12145-9	Endometrium Thickness
12146-7	Nuchal Fold thickness
12164-0	Left Ovary Volume
12165-7	Right Ovary Volume
12170-7	Width of Hemisphere
12171-5	Lateral Ventrical width
17977-0	Left Atrium Area A4C view
17978-8	Mitral Valve A-Wave Peak Velocity
17985-3	Left Atrium to Aortic Root Ratio
17988-7	Right Atrium Area A4C view
17995-2	Thoracic Aorta Coarctation Systolic Peak Instantaneous Gradient
17996-0	Aortic Valve Cusp Separation
17998-6	Aortic Valve Regurgitant Diastolic Deceleration Time
18006-7	Inferior Vena Cava Diameter
18011-7	Aortic Arch Diameter
18012-5	Ascending Aortic Diameter
18013-3	Descending Aortic Diameter
18015-8	Aortic Root Diameter
18019-0	Left Pulmonary Artery Diameter
18020-8	Main Pulmonary Artery Diameter
18021-6	Right Pulmonary Artery Diameter
18026-5	Left Ventricular End Diastolic Volume
18030-7	Tricuspid Valve A Wave Peak Velocity
18031-5	Tricuspid Valve E Wave Peak Velocity
18035-6	Mitral Regurgitation dP/dt derived from Mitral Reg. velocity
18037-2	Mitral Valve E-Wave Peak Velocity
18038-0	Mitral Valve E to A Ratio
18040-6	Mitral Valve E-F Slope by M-Mode
18041-4	Aortic Valve Ejection Time
18043-0	Left Ventricular Ejection Fraction by US
18050-5	Inferior Vena Cava % Collapse
18051-3	Left Ventricular Fractional Shortening
18053-9	Left Ventricle Posterior Wall % Thickening

Code Value	Code Meaning
18054-7	Interventricular Septum % Thickening
18070-3	Right Atrium Systolic Pressure
18071-1	Left Ventricular Isovolumic Relaxation Time
18076-0	Left Ventricle Systolic Major Axis
18077-8	Left Ventricle Diastolic Major Axis
18087-7	Left Ventricle Mass
18096-8	Pulmonic valve Area by continuity
18118-0	LV Wall Motion Segmental Findings
18139-6	Stage
18148-7	Left Ventricular End Systolic Volume
18152-9	Left Ventricle Posterior Wall Diastolic Thickness
18153-7	Right Ventricle Anterior Wall Diastolic Thickness
18154-5	Interventricular Septum Diastolic Thickness
18155-2	Interventricular Septum to Posterior Wall Thickness Ratio
18156-0	Left Ventricle Posterior Wall Systolic Thickness
18157-8	Right Ventricular Anterior Wall Systolic Thickness
18158-6	Interventricular Septum Systolic Thickness
18179-2	Wall Segment
18185-9	Gestational Age
18745-0	Cardiac Catheterization Report
18747-6	CT Report
18748-4	Diagnostic Imaging Report
18755-9	MRI Report
18756-7	MRI Spine Report
18757-5	Nuclear Medicine Report
18758-3	PET Scan Report
18760-9	Ultrasound Report
18782-3	Findings
18783-1	Recommendations
18785-6	Indications for Procedure
18834-2	Previous Findings
19005-8	Impressions
20167-3	Acceleration Index
20168-1	Acceleration time
20217-6	Deceleration time
20247-3	Peak Gradient
20295-2	Time from Q wave to Pulmonic Valve Closes
20352-1	Time averaged mean velocity
29436-3	Left Ventricle Internal End Diastolic Dimension
29438-9	Left Ventricle Internal Systolic Dimension
29449-6	Mitral Valve Regurgitant Volume by Proximal Isovelocity Surface Area Method
29450-4	Pulmonary Vein Systolic Peak Velocity

Code Value	Code Meaning
29451-2	Pulmonary Vein Diastolic Peak Velocity
29452-0	Pulmonary Vein Systolic to Diastolic Ratio
29453-8	Pulmonary Vein Atrial Contraction Reversal Peak Velocity
29460-3	Thoracic Aorta Coarctation Systolic Peak Velocity
29462-9	Pulmonary-to-Systemic Shunt Flow Ratio
29463-7	Patient Weight
29463-7	Patient weight
29469-4	Left Atrium Antero-posterior Systolic Dimension
29471-0	Hepatic Vein Systolic Peak Velocity
29472-8	Hepatic Vein Diastolic Peak Velocity
29473-6	Hepatic Vein Systolic to Diastolic Ratio
29474-4	Hepatic Vein Atrial Contraction Reversal Peak Velocity
29486-8	Left Atrial Appendage Peak Velocity
29549-3	Medications Administered
33065-4	Ectopic Pregnancies
33066-2	Estimated LMP by EDD
33067-0	Conception Date
33068-8	Thoracic Area
33069-6	Nuchal Translucency
33070-4	Inner Orbital Diameter
33071-2	Spine Length
33072-0	AC, ASUM 2000
33073-8	AC, Hansmann1985
33074-6	AC, Lessoway 1998
33075-3	AC, Mertz 1988
33076-1	AC, Shinozuka 1996
33077-9	A-P Abdominal Diameter, Lessoway 1998
33078-7	AxT, Shinozuka 1996
33079-5	BPD, ASUM 1989
33080-3	BPD, Lessoway 1998
33081-1	BPD, Mertz 1988
33082-9	BPD, Osaka 1989
33083-7	BPD, Rempen 1991
33084-5	BPD, Shinozuka 1996
33085-2	BPD, Tokyo 1986
33086-0	BPD-oi, Chitty 1997
33087-8	BPD-oo, Chitty 1997
33088-6	Clavicle length, Yarkoni 1985
33089-4	CRL, ASUM 1991
33090-2	CRL, ASUM 2000
33091-0	CRL, Daya 1993
33092-8	CRL, Jeanty 1982

Code Value	Code Meaning
33093-6	CRL, Osaka 1989
33094-4	CRL, Rempen 1991
33095-1	CRL, Shinozuka 1996
33096-9	CRL, Tokyo 1986
33097-7	Fibula, Jeanty 1983
33098-5	FL, Chitty 1997
33099-3	FL, Jeanty 1982
33100-9	FL, Lessoway 1998
33101-7	FL, Osaka 1989
33102-5	FL, Shinozuka 1996
33103-3	FL, Tokyo 1986
33104-1	GS, Daya 1991
33105-8	GS, Hansmann 1979
33106-6	GS, Hansmann 1982
33107-4	GS, Nyberg 1992
33108-2	GS, Tokyo 1986
33109-0	HC, ASUM 2000
33110-8	HC measured, Chitty 1997
33111-6	HC derived, Chitty 1997
33112-4	HC, Hansmann 1985
33113-2	HC, Jeanty 1982
33114-0	HC, Lessoway 1998
33115-7	HC Merz, 1988
33116-5	Humerus Length, ASUM 2000
33117-3	Humerus Length, Osaka 1989
33118-1	Length of Vertebra, Tokyo 1986
33119-9	OFD, ASUM 2000
33120-7	OFD, Hansmann 1986
33121-5	OFD, Lessoway 1998
33122-3	IOD, Mayden 1982
33123-1	IOD, Trout 1994
33124-9	OOD, Mayden, 1982
33125-6	OOD, Trout 1994
33126-4	Radius, Jeanty 1983
33127-2	Spine Length, Tokyo, 1989
33128-0	TAD, Eriksen 1985
33129-8	TAD Hansmann, 1979
33130-6	TAD, Tokyo 1986
33131-4	ThC, Chitkara 1987
33132-2	TCD, Chitty 1994
33133-0	TCD, Goldstein 1987
33134-8	TCD, Hill 1990

Code Value	Code Meaning
33135-5	TCD, Nimrod 1986
33136-3	Transverse Thoracic Diameter, Hansmann 1985
33137-1	Transverse Thoracic Diameter, Lessoway 1998
33138-9	Fetal Trunk Cross-Sectional Area, Osaka 1989
33139-7	EFW by BPD, TTD, Hansmann 1986
33140-5	EFW by BPD, FTA, FL, Osaka 1990
33141-3	EFW1 by Shinozuka 1996
33142-1	EFW2 by Shinozuka 1996
33143-9	EFW3 by Shinozuka 1996
33144-7	EFW by BPD, APAD, TAD, FL, Tokyo 1987
33145-4	AC by GA, ASUM 2000
33146-2	AC by GA, Hadlock 1984
33147-0	AC (measured) by GA, Chitty 1994
33147-0	AC (measured) by GA, Chitty 1994
33148-8	AC by GA, Merz 1988
33149-6	AC by GA, Shinozuka 1996
33150-4	AxT by GA, Shinozuka 1996
33151-2	BPD by GA, ASUM 2000
33152-0	BPD outer-outer by GA, Chitty 1994
33153-8	BPD by GA, Jeanty 1982
33154-6	BPD by GA, Merz 1988
33155-3	BPD by GA, Rempen 1991
33156-1	BPD by GA, Shinozuka 1996
33157-9	Cephalic Index, by GA Chitty 1994
33158-7	Cephalic Index by GA, Hadlock 1981
33159-5	CRL by GA, ASUM 2000
33160-3	CRL by GA, Rempen1991
33161-1	CRL, by GA, Shinozuka 1996
33162-9	EFW by GA, Hadlock 1991
33163-7	EFW by GA, Hansmann 1986
33164-5	Fibula by GA, by GA Jeanty 1983
33165-2	FL by GA, ASUM 2000
33166-0	FL by GA, Hadlock 1984
33167-8	FL by GA, Chitty 1994
33168-6	FL by GA, Jeanty 1982
33169-4	FL by GA, Merz 1988
33170-2	FL by GA, Shinozuka 1996
33171-0	GS by GA, Rempen 1991
33172-8	HC by GA, ASUM 2000
33173-6	HC by GA, Hadlock 1984
33174-4	HC derived by GA, Chitty 1994
33175-1	HC by GA, Jeanty 1982

Code Value	Code Meaning
33176-9	HC by GA, Merz 1988
33177-7	Humerus Length by GA, ASUM 2000
33178-5	OFD by GA, ASUM 2000
33179-3	OFD by GA, Chitty 1994
33180-1	Radius, by GA, Jeanty 1983
33181-9	TCD by GA, Goldstein 1987
33182-7	HC/AC by GA, Campbell 1977
33184-3	FWP by GA, Williams, 1982
33185-0	FWP by GA, Alexander, 1996
33186-8	Male Singleton BWP by GA, Arbuckle 1993
33187-6	Female Singleton BWP by GA, Arbuckle 1993
33188-4	Female Twins BWP by GA, Arbuckle 1993
33189-2	FWP by GA, Brenner 1976
33190-0	FWP by GA, Hadlock 1985
33191-8	APAD * TAD
33192-6	Uterus Volume
33196-7	Posterior Horn Lateral ventricular width
33197-5	Anterior Horn Lateral ventricular width
33198-3	BPD by GA, Hadlock 1984
33199-1	Male Twins BWP by GA, Arbuckle 1993
33537-2	AC, Jeanty 1982
33538-0	BPD, Hansmann 1986
33539-8	BPD, Jeanty 1982
33540-6	CRL, Hansmann 1986
33541-4	FL, Hansmann 1986
33542-2	FL, Merz 1988
33543-0	HC, Hansmann 1986
33544-8	OFD, Hansmann 1985
33545-5	BD, Jeanty 1982
33546-3	AC (derived), Chitty 1994
33556-2	BPD outer-inner by GA, Chitty 1994
33867-3	Velocity ratio
33868-1	ICA/CCA velocity ratio
33869-9	Renal Artery/Aorta velocity ratio
55107-7	Addendum
55108-5	Patient Presentation
55109-3	Complications
55110-1	Conclusions
55111-9	Current Procedure Descriptions
55112-7	Summary
55113-5	Key Images
55114-3	Prior Procedure Descriptions

Code Value	Code Meaning
55115-0	Request
55281-0	Number of Fetuses
55752-0	Clinical Information
73568-8	Communication of Critical Results
73569-6	Radiation Exposure and Protection Information
8277-6	Body Surface Area
8302-2	Patient Height

Note

LN:33183-5 was previously included in this context group with a Code Meaning of "FWP by GA, Hadlock 1991", but is described in LOINC as "Fetal body weight growth percentile estimated from gestational age by method of Campbell 1991 (US)". Devices receiving LN:33183-5 may need to consult the Code Meaning value to determine whether the sender meant Hadlock 1991 or Campbell 1991. New codes have been defined to replace LN:33183-5 to resolve the potential ambiguity.

I Relationship of Endoscopy Procedures to Anatomic Regions (Informative)

Table I-1 provides examples of the common nomenclature for the type of endoscopy performed, and the code value suggested for use for anatomic region in CID 4040 “Endoscopy Anatomic Regions”.

Table I-1. Examples of the Common Nomenclature for the Type of Endoscopy Performed

Coding Scheme Designator	Code Value	Code Meaning	Example of the type of endoscopy for which this region is applicable (Informative)
SCT	113345001	Abdomen	Laparoscopy
SCT	110612005	Anus, rectum and sigmoid colon	Rectosigmoidoscopy
SCT	28273000	Bile duct	
SCT	89837001	Bladder	Cystoscopy
SCT	110837003	Bladder and urethra	Panendoscopy (urethrocystoscopy)
SCT	955009	Bronchus	Bronchoscopy
SCT	71252005	Cervix	Colposcopy
SCT	51185008	Chest	Thoracoscopy
SCT	110861005	Esophagus, stomach and duodenum	Upper gastrointestinal endoscopy
SCT	84301002	External auditory canal	Otoscopy
SCT	28231008	Gallbladder	Laparoscopic cholecystectomy
SCT	26893007	Inguinal region	Endoscopic inguinal hernia repair
SCT	39352004	Joint	Arthroscopy
SCT	64033007	Kidney	Percutaneous renal endoscopy
SCT	72696002	Knee	Arthroscopy of knee
SCT	14742008	Large intestine	Colonoscopy
SCT	4596009	Larynx	Laryngoscopy
SCT	91747007	Lumen of blood vessel	Endoluminal (intravascular) endoscopy
SCT	72410000	Mediastinum	Mediastinoscopy
SCT	360955006	Nasopharynx	Nasopharyngoscopy
SCT	2095001	Paranasal sinus	Endoscopic sinus surgery
SCT	54066008	Pharynx	Pharyngoscopy
SCT	312535008	Pharynx and larynx	Laryngopharyngoscopy
SCT	34402009	Rectum	Proctoscopy
SCT	16982005	Shoulder	Arthroscopy of shoulder
SCT	60184004	Sigmoid colon	Sigmoidoscopy
SCT	421060004	Spine	Spinal endoscopy
SCT	110726009	Trachea and bronchus	Tracheobronchoscopy
SCT	431491007	Upper urinary tract	Percutaneous or retrograde ureteric and renal endoscopy
SCT	87953007	Ureter	Percutaneous or retrograde ureteric endoscopy

Coding Scheme Designator	Code Value	Code Meaning	Example of the type of endoscopy for which this region is applicable (Informative)
SCT	110639002	Uterus and fallopian tubes	Culdoscopy

J SNOMED Retired Codes

This Annex identifies coded terms specified in earlier versions of the Standard. These coded terms are retired. Some of the codes conflict with codes defined in SNOMED. Additionally, some SNOMED coded terms specified in earlier versions of the Standard have been retired and replaced by SNOMED to avoid ambiguities in concept, and are noted here as well.

Implementers of the Standard are cautioned that:

- some of the codes noted as retired are still valid (active) SNOMED codes, but with different meanings; it is thus the combination of code and meaning that is retired
- not all of the codes that SNOMED International may have inactivated in any past, current or future SNOMED CT release have yet been retired from DICOM
- some applications may continue to send retired codes with the meaning defined in this Annex
- the retired codes may be associated with coding scheme designator 99SDM, SNM3 or SRT
- retired codes may be encountered in existing SOP Instances stored in archives
- applications receiving SOP Instances should continue to support retired codes with the meaning defined in this Annex
- some applications may not trigger expected behavior (e.g., hanging protocols, image processing) when receiving SOP Instances with the replacement codes
- DICOM applications and SOP Instances shall never use the retired codes with a meaning other than that defined in this Annex
- in some cases, the choice of replacement code for a retired code depends on the context of its use, and so one retired code may map to more than one replacement code

Table J-1. SNOMED Codes Retired from DICOM Use

Retired Code Value	Code Meaning	Replacement Code	Notes
G-5190	Headfirst	102540008	
G-5191	Feet-first	102541007	
G-A11A	Mid-longitudinal	103342007	
G-A11B	Parasagittal	103343002	
G-A12A	Intraluminal	264045001	
G-A16A	Capsule	11070000	Replacement code has meaning "Capsular". (131184002, SCT, "Area of defined region") remains in use.
G-A16B	Lumen	113342003	
G-A16C	Contact	11723008	Replacement code has meaning "Contact with". Retired code has meaning "Part of tooth", and is not used in DICOM.
G-A16D	Parenchyma	91772007	
J-83250	Metal (Lead) Marker	262301009	
R-102C9	Transthoracic	272476000	
R-102CA	Lordotic	260450008	
R-102CB	Transforamenal	272466003	
R-102CC	Transoral	118438002	

Retired Code Value	Code Meaning	Replacement Code	Notes
R-102CE	Transorbital	278318001	
R-11300	Transverse	62824007	
Y-X1770	Cranio-caudal exaggerated laterally	399192008	
Y-X1771	Cranio-caudal exaggerated medially	399101009	
T-D1217	Maxilla and mandible	661005	
T-D1480	Orbit	363654007	
T-D6151	Uterus and fallopian tubes	110639002	
G-0371	% Area Reduction	408714007	
G-0372	% Diameter Reduction	408715008	
G-C295	Route of Administration	410675002	
G-D100	Route of Administration	410675002	
T-42501	Abdominal Aorta	7832008	
T-42303	Aortic Arch	57034009	
T-45011	Carotid Artery	69105007	
T-A600A	Cerebellum	113305005	
T-D00CC	Entire Spine	T-D0146	
T-48500	Pulmonary Vein	122972007	
T-D8300	Elbow	16953009	
T-12402	Forearm	14975008	
T-D2500	Hip	24136001	
T-D4909	Kidney	64033007	
T-62002	Liver	10200004	
T-D4034	Pancreas	15776009	
T-55002	Pharynx	54066008	
T-11500	Spine	421060004	Was previously replaced with T-D0146, which is no longer an active SNOMED CT concept. Replacement code has meaning of "Structure of vertebral column (body structure)".
T-D0146	Spine	421060004	Replacement code has meaning of "Structure of vertebral column (body structure)". Retired code is inactive in SNOMED CT (Ambiguous).
T-D4035	Spleen	78961009	
T-9400F	Testis	40689003	
T-4600A	Thoracic aorta	113262008	
T-C8001	Thymus	9875009	
T-D6151	Uterus and fallopian tubes	110639002	
T-73800	Ureter	87953007	
T-83009	Uterus	35039007	
T-D8600	Wrist	74670003	
T-11167	Zygoma	13881006	

Retired Code Value	Code Meaning	Replacement Code	Notes
P5-B3003	Transthoracic echocardiography	433236007	Retired code is inactive in SNOMED CT (Limited).
P5-B3004	Epicardial echocardiography	433232009	Retired code is inactive in SNOMED CT (Retired without stated reason).
P5-B3082	Pediatric echocardiography	431852008	
P5-B3083	Intraoperative echocardiography	429884006	
P5-01000	Image acquisition procedure		
P5-01101	Image acquisition after administration of contrast agent		
P5-01103	Image acquisition during cardiac pacing	18590009	
P5-01104	Image acquisition at user-defined cardiac pacing rate	18590009	
P5-01111	Image acquisition during hand grip maneuver	128965002	
P5-01112	Image acquisition during Valsalva	261039008	
P5-01113	Image acquisition during postural maneuver		
P5-01120	Pre-procedure image acquisition	307153007	
P5-01121	Preoperative image acquisition	307153007	
P5-01130	Intra-procedure image acquisition	307154001	
P5-01131	Intra-operative image acquisition	307154001	
P5-01140	Post-procedure image acquisition	303110006	
P5-01141	Post-operative image acquisition	303110006	
P5-01142	Image acquisition following first cardiopulmonary bypass	303110006	
P5-01143	Image acquisition following second cardiopulmonary bypass	303110006	
P5-01144	Image acquisition following third cardiopulmonary bypass	303110006	
P5-01200	Image acquisition during stress procedure	307154001	
P5-01201	Image acquisition at baseline	128974000	
P5-01202	Pre-stress image acquisition	128974000	
P5-01203	Mid-stress image acquisition	432655005	
P5-01204	Peak-stress image acquisition	434161005	
P5-01205	Image acquisition during recovery	432554001	

Retired Code Value	Code Meaning	Replacement Code	Notes
P5-01300	Image acquisition after drug administration	432655005	
P5-01310	Image acquisition at user-defined dobutamine dose	432655005	
P5-01311	Image acquisition at low-dose dobutamine	432655005	
P5-01312	Image acquisition at mid-dose dobutamine	432655005	
P5-01313	Image acquisition at peak dose dobutamine	432655005	
P5-01314	Image acquisition at dobutamine 5 mcg/kg/min	432655005	
P5-01315	Image acquisition at dobutamine 10 mcg/kg/min	432655005	
P5-01316	Image acquisition at dobutamine 20 mcg/kg/min	432655005	
P5-01317	Image acquisition at dobutamine 30 mcg/kg/min	432655005	
P5-01318	Image acquisition at dobutamine 40 mcg/kg/min	432655005	
P5-01319	Image acquisition at dobutamine 50 mcg/kg/min	432655005	
P5-0131A	Image at dobutamine 40 mcg/kg/min plus atropine	432655005	
P5-0131B	Image acquisition at dobutamine 50 mcg/kg/min plus atropine	432655005	
P5-01323	Image acquisition at peak Arbutamine dose	434161005	
P5-01333	Image acquisition at peak dipyridamole	434161005	
P5-01341	Image acquisition after nitroglycerin	432655005	
P5-01342	Image acquisition after amyl nitrite	432655005	
P5-01343	Image acquisition after adenosine	432655005	
P5-B301F	Limited M-mode only echocardiography	40701008	
P5-B303F	Limited Doppler only echocardiography	40701008	
P5-B3051	Maximal stress echocardiography	433233004	
P5-B3052	Submaximal stress echocardiography	433233004	
P5-B3053	Treadmill exercise stress echocardiography	433233004	

Retired Code Value	Code Meaning	Replacement Code	Notes
P5-B3054	Bruce treadmill stress echocardiography	129095002	
P5-B3055	Modified Bruce treadmill stress echocardiography	129096001	
P5-B3056	Naughton treadmill stress echocardiography	129101001	
P5-B3058	Bicycle exercise stress echocardiography	26046004	
P5-B3060	Echocardiography with administered drug stress	424064009	
P5-B3061	Dobutamine stress echocardiography	424225000	
P5-B3062	High dose dobutamine stress echocardiography	424225000	
P5-B3063	Low dose dobutamine stress echocardiography	424225000	
P5-B3065	Arbutamine stress echocardiography	424064009	
P5-B3066	Dipyridamole stress echocardiography	422685009	
P5-B3070	Cardiac pacing echocardiography	428685003	
P5-B3081	Adult echocardiography	40701008	Replacement code has meaning "Echocardiography"
P5-B3081	Adult echocardiography	252418006	Replacement code has meaning "Transthoracic echocardiography"
P5-B3084	Upright echocardiography	252418006	
P5-B3085	Supine echocardiography	252418006	
P5-B3091	Contrast left ventricular opacification echocardiography	433231002	
P5-B3092	Contrast perfusion echocardiography	433231002	
P5-B3093	Contrast Doppler enhancement echocardiography	433231002	
P5-B3191	2D complete echocardiography	252418006	
P5-B3192	Limited 2D only echocardiography	252418006	
F-F7102	Valsalva maneuver	261039008	
L-8061A	Sterling pig breed	132200002	
L-8061F	Black Slavonian pig breed	133204003	
L-807E1	Bizanian Hound dog breed	132372009	
L-80B03	Rideau Arcott sheep breed	132703001	
L-8BC43	Beefalo bison X cattle breed	425181009	
L-8BC44	Beefalo bison X cattle breed	424705003	
R-4041B	Hypokinesis	37706002	
F-32056	Mild hypokinesis	371868005	

Retired Code Value	Code Meaning	Replacement Code	Notes
P5-B3009	Exercise stress echocardiography	433233004	
R-10218	right anterior oblique	399356000	
R-10222	sagittal	30730003	
T-51005	Anterior 1	699453001	Central incisor region
T-51006	Anterior 2	699511000	Lateral incisor region
T-51007	Anterior 3	699510004	Canine region
T-51008	Premolar 1	699509009	First premolar region
T-51009	Premolar 2	699508001	Second premolar region
T-5100A	Molar 1	699507006	First molar region
T-5100B	Molar 2	699505003	Second molar region
T-5100C	Molar 3	699503005	Third molar region
T-5100D	Occlusal	260499007	Occlusal Projection
L-85B00	Homo sapiens	337915000	Replacement code has meaning of "Homo sapiens (organism)". Retired code is inactive in SNOMED CT (Ambiguous).
L-80100	Bovine species	388168008	Replacement code has meaning of "Genus Bos (organism)". Retired code is inactive in SNOMED CT (Ambiguous).
L-80200	Caprine species	388249000	Replacement code has meaning of "Genus Capra (organism)". Retired code is inactive in SNOMED CT (Ambiguous).
L-80300	Ovine species	388254009	Replacement code has meaning of "Genus Ovis (organism)". Retired code is inactive in SNOMED CT (Ambiguous).
L-80400	Equine species	388445009	Replacement code has meaning of "Genus Equus (organism)". Retired code is inactive in SNOMED CT (Ambiguous).
L-80500	Porcine species	388393002	Replacement code has meaning of "Genus Sus (organism)". Retired code is inactive in SNOMED CT (Ambiguous).
L-80700	Canine species	388490000	Replacement code has meaning of "Genus Canis (organism)". Retired code is inactive in SNOMED CT (Ambiguous).
L-80A00	Feline species	388626009	Replacement code has meaning of "Genus Felis (organism)". Retired code is inactive in SNOMED CT (Ambiguous).
D-80515	Thrombosis	396339007	Replacement code has meaning of "Thrombus". Retired code does not exist SNOMED CT.

Retired Code Value	Code Meaning	Replacement Code	Notes
A-26A06	Fixed object		No replacement. Retired code does not exist SNOMED CT.
A-26A08	Grid		No replacement. Retired code does not exist SNOMED CT.
C-C2318	Priscoline hydrocholoride ampuls	19041007	Replacement code has meaning of "Tolazoline hydrocholoride". Retired code does not exist SNOMED CT (was in SNOMED RT).
C-B03H2	Iopromide	353903006	Replacement code has meaning of "Iopromide". Retired code does not exist SNOMED CT.
G-929D	Cardiac catheterization test/challenging phase	373105002	Replacement code has meaning of "Cardiac catheterization test/challenge phase". Retired code does not exist SNOMED CT.
D6-90600	Marfan's Syndrome	19346006	Replacement code has meaning of "Marfan's Syndrome". Retired code does not exist SNOMED CT.
D3-30800	Cardiac arrest	410429000	Replacement code has meaning of "Cardiac arrest (disorder)". Retired code is inactive in SNOMED CT (Ambiguous).
L-8BB55	Mere cattle breed	133492008	Replacement code has meaning of "Lobi cattle breed (organism)". Retired code is inactive in SNOMED CT (Ambiguous).
M-34200	Stenosis	415582006	Replacement code has meaning of "Stenosis (morphologic abnormality)". Retired code is inactive in SNOMED CT (Ambiguous).
M-33410	Epidermal inclusion cyst	419670003	Replacement code has meaning of "Epidermoid cyst (morphologic abnormality)". Retired code is inactive in SNOMED CT (Ambiguous).
P3-00048	Smear procedure	448895004	Replacement code has meaning of "Sampling for smear (procedure)". Retired code is inactive in SNOMED CT (Ambiguous).
T-70000	Urinary tract	431938005	Replacement code has meaning of "Structure of urinary tract proper (body structure)". Retired code is inactive in SNOMED CT (Ambiguous).
G-D150	By inhalation	446406008	Replacement code has meaning of "Inhalation technique (qualifier value)". Retired code is inactive in SNOMED CT (Ambiguous).
P1-03005	Lumpectomy	392021009	Replacement code has meaning of "Lumpectomy of breast (procedure)". Retired code is inactive in SNOMED CT (Ambiguous).

Retired Code Value	Code Meaning	Replacement Code	Notes
G-A264	Calcified	237897009	Replacement code has meaning of "Vascular calcification (disorder)". Retired code is inactive in SNOMED CT (Ambiguous).
D7-90360	Cyst of breast	399294002	Replacement code has meaning of "Cyst of breast (disorder)". Retired code is inactive in SNOMED CT (Ambiguous).
R-20681	O/E - lymphadenopathy NOS	274303007	Replacement code has meaning of "On examination - lymph nodes (finding)". Retired code is inactive in SNOMED CT (Limited).
R-411C5	Muscle Bridge	424045003	Replacement code has meaning of "Myocardial bridge of coronary artery (disorder)". Retired code is inactive in SNOMED CT (Ambiguous).
F-618FF	Amphetamine	703842006	Replacement code has meaning of "1-phenylpropan-2-amine (substance)". Retired code is inactive in SNOMED CT (Ambiguous).
DD-00001	trauma	417746004	Replacement code has meaning of "Traumatic injury (disorder)". Retired code is inactive in SNOMED CT (Ambiguous).
G-A168	Surface	410679008	Replacement code has meaning of "Surface (qualifier value)". Retired code is inactive in SNOMED CT (Ambiguous).
D4-31159	Ventricular Septal Defect	30288003	Replacement code has meaning of "Ventricular septal defect (disorder)". Retired code is inactive in SNOMED CT (Ambiguous).
P5-C0610	Brachytherapy	384692006	Replacement code has meaning of "Intracavitary brachytherapy (procedure)". Retired code is inactive in SNOMED CT (Ambiguous).
L-808C9	Dingo dog breed	709853007	Replacement code has meaning of "Canis lupus dingo (organism)". Retired code is inactive in SNOMED CT (Erroneous).
G-A105	Anterior	255549009	Replacement code has meaning of "Anterior (qualifier value)". Retired code is inactive in SNOMED CT (Ambiguous).
T-48052	Basilic vein	19715009	Replacement code has meaning of "Structure of basilic vein (body structure)". Retired code is inactive in SNOMED CT (Ambiguous).
G-A106	Posterior	255551008	Replacement code has meaning of "Posterior (qualifier value)". Retired code is inactive in SNOMED CT (Ambiguous).

Retired Code Value	Code Meaning	Replacement Code	Notes
D3-29013	Mitral valve prolapse	409712001	Replacement code has meaning of "Mitral valve prolapse (disorder)". Retired code is inactive in SNOMED CT (Ambiguous).
T-41040	Iliac arterial system	299716001	Replacement code has meaning of "Iliac and/or femoral artery structures (body structure)". Retired code is inactive in SNOMED CT (Ambiguous).
G-A109	Medial	255561001	Replacement code has meaning of "Medial (qualifier value)". Retired code is inactive in SNOMED CT (Ambiguous).
G-A109	Median	~~260528009~~	No replacement SNOMED code exists. ~~Replacement code~~ (130290, DCM. "Median") ~~has meaning of "Median (qualifier value)"~~may be used instead. Retired code is inactive in SNOMED CT (Ambiguous).
G-A109	Middle	~~260528009~~	No replacement SNOMED code exists. ~~Replacement code~~ (C25569, NCIt, "Middle") ~~has meaning of "Median (qualifier value)"~~may be used instead. Retired code is inactive in SNOMED CT (Ambiguous).
R-4081A	Median		No replacement SNOMED code exists. (130290, DCM. "Median") may be used instead. Retired code is ambiguous since it has synomyms of "middle" and "median".
R-4081A	Middle		No replacement SNOMED code exists. (C25569, NCIt, "Middle") may be used instead. Retired code is ambiguous since it has synomyms of "middle" and "median".
D4-32508	Fistula coronary to right atrium	373095005	Retired code actually has meaning in SNOMED CT of "Coronary artery arising from aorta (disorder)". Replacement code has meaning of "Coronary artery fistula to right atrium (disorder)". Retired code is inactive in SNOMED CT (Ambiguous).
G-A22A	Length	410668003	Replacement code has meaning of "Length property (qualifier value)". Retired code is inactive in SNOMED CT (Ambiguous).
T-D8100	Axilla	91470000	Replacement code has meaning of "Axillary region structure (body structure)". Retired code is inactive in SNOMED CT (Ambiguous).

Retired Code Value	Code Meaning	Replacement Code	Notes
R-102BC	Internal Carotid Artery C6 segment	698348000	Replacement code has meaning of "Structure of ophthalmic segment of internal carotid artery (body structure)". Retired code is inactive in SNOMED CT (Ambiguous).
L-80A50	Shorthaired cat	132665002	Replacement code has meaning of "Shorthair cat breed (organism)". Retired code is inactive in SNOMED CT (Ambiguous).
R-F5517	Pulmonary arteriovenous fistula	253639004	Replacement code has meaning of "Intrapulmonary arteriovenous fistula (disorder)". Retired code is inactive in SNOMED CT (Ambiguous).
F-B2110	Epinephrine	387362001	Replacement code has meaning of "Epinephrine (substance)". Retired code is inactive in SNOMED CT (Ambiguous).
T-70010	Upper urinary tract	431491007	Replacement code has meaning of "Structure of upper urinary tract proper (body structure)". Retired code is inactive in SNOMED CT (Ambiguous).
C-21005	Ethanol	419442005	Replacement code has meaning of "Ethyl alcohol (substance)". Retired code is inactive in SNOMED CT (Ambiguous).
D3-13000	Coronary artery disease	53741008	Replacement code has meaning of "Coronary arteriosclerosis (disorder)". Retired code is inactive in SNOMED CT (Ambiguous).
T-C4510	mesenteric lymph node	279795009	Replacement code has meaning of "Structure of lymph node of mesentery (body structure)". Retired code is inactive in SNOMED CT (Ambiguous).
C-A7040	Thrombin preparation	36176003	Replacement code has meaning of "Thrombin (substance)". Retired code is inactive in SNOMED CT (Ambiguous).
G-A112	External	261074009	Replacement code has meaning of "External (qualifier value)". Retired code is inactive in SNOMED CT (Ambiguous).
G-A113	Internal	260521003	Replacement code has meaning of "Internal (qualifier value)". Retired code is inactive in SNOMED CT (Ambiguous).
F-A5581	Vasovagal attack	398665005	Replacement code has meaning of "Vasovagal syncope (disorder)". Retired code is inactive in SNOMED CT (Ambiguous).
C-2287C	methyl violet stain	387239001	Replacement code has meaning of "Gentian violet (substance)". Retired code is inactive in SNOMED CT (Ambiguous).

Retired Code Value	Code Meaning	Replacement Code	Notes
T-41070	Abdominal aorta and its branches	7832008	Replacement code has meaning of "Abdominal aorta structure (body structure)". Retired code is inactive in SNOMED CT (Ambiguous).
G-A115	Inferior	261089000	Replacement code has meaning of "Inferior (qualifier value)". Retired code is inactive in SNOMED CT (Ambiguous).
C-80130	Cardiac adrenergic blocking agent	373263004	Replacement code has meaning of "Cardiac adrenergic blocking agent (substance)". Retired code is inactive in SNOMED CT (Ambiguous).
G-A116	Superior	264217000	Replacement code has meaning of "Superior (qualifier value)". Retired code is inactive in SNOMED CT (Ambiguous).
M-35100	Thrombus	396339007	Replacement code has meaning of "Thrombus (morphologic abnormality)". Retired code is inactive in SNOMED CT (Ambiguous).
C-80125	Cardiac depressant agent		Retired code is inactive in SNOMED CT (Ambiguous).
P1-31926	Creation of conduit of right atrium and pulmonary artery	233022006	Replacement code has meaning of "Construction of conduit - right atrium to pulmonary trunk". Retired code is inactive in SNOMED CT (Duplicate).
T-D06B6	Nuchal region of scalp	700032006	Replacement code has meaning of "Structure of occipital region of scalp". Retired code is inactive in SNOMED CT (Ambiguous).
T-49423	Lateral calf perforator	714754004	Replacement code has meaning of "Structure of lateral calf perforator". Retired code is inactive in SNOMED CT (Ambiguous).
T-4942C	Thigh perforator	714759009	Replacement code has meaning of "Structure of thigh perforator". Retired code is inactive in SNOMED CT (Ambiguous).
G-A231	Acute	373933003	Replacement code has meaning of "Acute onset (qualifier value)". Retired code is inactive in SNOMED CT (Erroneous).
D3-28012	Subacute bacterial endocarditis	73774007	Replacement code has meaning of "Subacute bacterial endocarditis (disorder)". Retired code was used incorrectly because of digit transposition and means something else, and is also inactive in SNOMED CT (Limited).
C-2288B	alcian blue stain	4656000	Replacement code has meaning of "Alcian blue 8GX stain (substance)". Retired code is inactive in SNOMED CT (Duplicate).

Retired Code Value	Code Meaning	Replacement Code	Notes
R-002CE	Aneurysmal	255378009	Replacement code has meaning of "Aneurysmal (qualifier value)". Retired code is inactive in SNOMED CT (Duplicate).
L-80010	Wuzhishan pig breed	132222009	Replacement code has meaning of "Wuzhishan pig breed (organism)". Retired code was used incorrectly and means something else, and is also inactive in SNOMED CT (Duplicate).
T-41066	Artery	51114001	Replacement code has meaning of "Arterial structure (body structure)". Retired code is inactive in SNOMED CT (Limited).
L-80506	Beltsville pig #1 pig breed		No replacement. Retired code is inactive in SNOMED CT (Duplicate).
L-80507	Beltsville pig #2 pig breed		No replacement. Retired code is inactive in SNOMED CT (Duplicate).
L-807E6	Bordeaux Dog breed	132389001	Replacement code has meaning of "Dogue de Bordeaux dog breed (organism)". Retired code is inactive in SNOMED CT (Duplicate).
L-80551	CPF pig #1 pig breed		No replacement. Retired code is inactive in SNOMED CT (Duplicate).
L-80552	CPF pig #2 pig breed		No replacement. Retired code is inactive in SNOMED CT (Duplicate).
D4-31320	Common Atrium	253276007	Replacement code has meaning of "Cor triloculare biventriculare (disorder)". Retired code is inactive in SNOMED CT (Duplicate).
M-32206	Compound Aneurysm	85726003	Replacement code has meaning of "Mixed aneurysm (morphologic abnormality)". Retired code is inactive in SNOMED CT (Duplicate).
P5-B3008	Contrast echocardiography	433231002	Replacement code has meaning of "Contrast echocardiography (procedure)". Retired code is inactive in SNOMED CT (Retired without stated reason).
C-2283D	crystal violet stain	387239001	Replacement code has meaning of "Gentian violet (substance)". Retired code is inactive in SNOMED CT (Duplicate).
P1-86101	Decompression amniocentesis [decompression of amnion]		No replacement. Retired code is inactive in SNOMED CT (Ambiguous).
F-31120	Diastolic Pressure	271650006	Replacement code has meaning of "Diastolic blood pressure (observable entity)". Retired code is inactive in SNOMED CT (Duplicate).

Retired Code Value	Code Meaning	Replacement Code	Notes
C-B03AA	Dimeglumine gadopentetate	404846007	Replacement code has meaning of "Gadopentetate dimeglumine (product)". Retired code is inactive in SNOMED CT (Duplicate).
R-002FE	Double vessel coronary artery disease.	194843003	Replacement code has meaning of "Double coronary vessel disease (disorder)". Retired code is inactive in SNOMED CT (Duplicate).
F-32011	End diastole	416190007	Replacement code has meaning of "End diastole (qualifier value)". Retired code is inactive in SNOMED CT (Erroneous).
T-D0788	Carpus	8205005	Replacement code has meaning of "Wrist region structure (body structure)". Retired code is inactive in SNOMED CT (Duplicate).
T-A1504	Cranial Subarachnoid Space	33930006	Replacement code has meaning of "Structure of subarachnoid space of brain (body structure)". Retired code is inactive in SNOMED CT (Duplicate).
T-11096	Tarsus	108371006	Replacement code has meaning of "Bone structure of tarsus (body structure)". Retired code is inactive in SNOMED CT (Ambiguous).
G-0325	Family history of breast cancer	429740004	Replacement code has meaning of "Family history of malignant neoplasm of breast (situation)". Retired code is inactive in SNOMED CT (Duplicate).
F-0147C	Hematoma - postoperative	213262007	Replacement code has meaning of "Postoperative hematoma formation (disorder)". Retired code is inactive in SNOMED CT (Duplicate).
PA-50032	Pulmonary capillary wedge method	128448001	Replacement code has meaning of "Pulmonary capillary wedge pressure waveform, function (observable entity)". Retired code is inactive in SNOMED CT (Duplicate).
C-A6920	Injectable fibrinogen	418326009	Replacement code has meaning of "Human fibrinogen (substance)". Retired code is inactive in SNOMED CT (Duplicate).
G-D105	Intracutaneous route	372464004	Replacement code has meaning of "Intradermal route (qualifier value)". Retired code is inactive in SNOMED CT (Duplicate).
F-00585	Lesion Finding	300577008	Replacement code has meaning of "Finding of lesion (finding)". Retired code is inactive in SNOMED CT (Duplicate).
P5-09100	Magnetic resonance angiography	241663008	Replacement code has meaning of "Magnetic resonance imaging of vessels (procedure)". Retired code is inactive in SNOMED CT (Duplicate).

Retired Code Value	Code Meaning	Replacement Code	Notes
F-6166C	Marijuana derivative	398705004	Replacement code has meaning of "Cannabis (substance)". Retired code is inactive in SNOMED CT (Ambiguous).
F-6175A	N-acetylaspartate	115391007	Replacement code has meaning of "N-acetyl-L-aspartate (substance)". Retired code is inactive in SNOMED CT (Duplicate).
F-52760	Nausea	422587007	Replacement code has meaning of "Nausea (finding)". Retired code is inactive in SNOMED CT (Erroneous).
P5-D10F8	Nuclear medicine diagnostic procedure on musculoskeletal system	68796002	Replacement code has meaning of "Radioisotope study of musculoskeletal system (procedure)". Retired code is inactive in SNOMED CT (Duplicate).
T-3215A	Ostium	264114003	Replacement code has meaning of "Ostium (qualifier value)". Retired code is inactive in SNOMED CT (Ambiguous).
R-00305	Heart Valve Flail		No replacement. Retired code means something completely different, "Other surgical margin site involved by malignant neoplasm (observable entity)" and is inactive in SNOMED CT (Ambiguous).
R-0039E	Patient has pacemaker	441509002	Replacement code has meaning of "Cardiac pacemaker in situ (finding)". Retired code is inactive in SNOMED CT (Duplicate).
T-D2236	Pectoral girdle	26444007	Replacement code has meaning of "Shoulder girdle structure (body structure)". Retired code is inactive in SNOMED CT (Duplicate).
R-305E9	Pediatric Surgery	309991001	Replacement code has meaning of "Pediatric surgical department (environment)". Retired code is inactive in SNOMED CT (Duplicate).
P5-39050	Percutaneous retrieval of intravascular foreign body	240946003	Replacement code has meaning of "Percutaneous removal of endovascular foreign body (procedure)". Retired code is inactive in SNOMED CT (Duplicate).
L-809E9	Perro de Pressa Canario dog breed	132576008	Replacement code has meaning of "Presa Canario dog breed (organism)". Retired code is inactive in SNOMED CT (Duplicate).
L-80A96	Pixiebob cat breed	417277001	Replacement code has meaning of "Pixie-bob cat breed (organism)". Retired code is inactive in SNOMED CT (Duplicate).
T-A2790	posterior commissure	279336005	Replacement code has meaning of "Posterior cerebral commissure (body structure)". Retired code is inactive in SNOMED CT (Duplicate).

Retired Code Value	Code Meaning	Replacement Code	Notes
R-10214	postero-anterior	272479007	Replacement code has meaning of "Posteroanterior projection (qualifier value)". Retired code is inactive in SNOMED CT (Duplicate).
P0-02180	Prophylactic intent	360271000	Replacement code has meaning of "Prophylaxis - procedure intent (qualifier value)". Retired code is inactive in SNOMED CT (Duplicate).
C-B0310	Radiopaque medium	7140000	Replacement code has meaning of "Radiographic contrast media (product)". Retired code is inactive in SNOMED CT (Duplicate).
F-043E7	Respiration rate	86290005	Replacement code has meaning of "Respiratory rate (observable entity)". Retired code is inactive in SNOMED CT (Duplicate).
C-22931	safranine O stain	406988004	Replacement code has meaning of "Safranin stain (substance)". Retired code is inactive in SNOMED CT (Duplicate).
R-00374	Single vessel coronary artery disease.	194842008	Replacement code has meaning of "Single coronary vessel disease (disorder)". Retired code is inactive in SNOMED CT (Duplicate).
C-B0349	Sodium tyropanate	109212003	Replacement code has meaning of "Tyropanoate sodium (substance)". Retired code is inactive in SNOMED CT (Duplicate).
T-C4239	anterior jugular lymph node	168557005	Replacement code has meaning of "Structure of superficial anterior cervical lymph node (body structure)". Retired code is inactive in SNOMED CT (Duplicate).
T-53131	base of tongue	47975008	Replacement code has meaning of "Structure of root of tongue (body structure)". Retired code is inactive in SNOMED CT (Duplicate).
T-D1212	Hypoglossal	170887008	Replacement code has meaning of "Submental triangle structure (body structure)". Retired code is inactive in SNOMED CT (Ambiguous).
A-13510	Suture material	27065002	Replacement code has meaning of "Surgical suture, device (physical object)". Retired code is inactive in SNOMED CT (Duplicate).
F-03E7E	Systemic Vascular Resistance	386530009	Replacement code has meaning of "Systemic vascular resistance (observable entity)". Retired code is inactive in SNOMED CT (Erroneous).
C-2285A	tartrate resistant acid phosphatase	255792001	Replacement code has meaning of "Acid phosphatase stain (substance)". Retired code was being misused as a stain but was a substance, and is also inactive in SNOMED CT (Duplicate).

Retired Code Value	Code Meaning	Replacement Code	Notes
C-B1212	Technetium Tc^99m^ medronate	96390006	Replacement code has meaning of "Technetium Tc^99m^ medronate (substance)". Retired code is inactive in SNOMED CT (Erroneous).
C-B1214	Technetium Tc^99m^ pentetate	430276001	Replacement code has meaning of "Technetium Tc^99m^ pentetate (substance)". Retired code is inactive in SNOMED CT (Ambiguous).
C-A7400	Thrombolytic agent	303960004	Replacement code has meaning of "Thrombolytic (product)". Retired code is inactive in SNOMED CT (Duplicate).
C-A7042	Thromboplastin preparation	65265006	Replacement code has meaning of "Thromboplastin (product)". Retired code is inactive in SNOMED CT (Duplicate).
G-A1A9	Trans-hepatic	103381007	Replacement code has meaning of "Transhepatic approach (qualifier value)". Retired code is inactive in SNOMED CT (Retired without stated reason).
G-A1A8	Trans-orbital	129226004	Replacement code has meaning of "Transorbital approach (qualifier value)". Retired code is inactive in SNOMED CT (Retired without stated reason).
R-00386	Triple vessel coronary artery disease.	233817007	Replacement code has meaning of "Triple vessel disease of the heart (disorder)". Retired code is inactive in SNOMED CT (Duplicate).
T-40210	Media	61695000	Replacement code has meaning of "Tunica media vasorum (body structure)". Retired code is inactive in SNOMED CT (Duplicate).
P5-B0099	Ultrasound procedure	16310003	Replacement code has meaning of "Diagnostic ultrasonography (procedure)". Retired code is inactive in SNOMED CT (Retired without stated reason).
T-4806E	Vein	29092000	Replacement code has meaning of "Venous structure (body structure)". Retired code is inactive in SNOMED CT (Limited).
P2-2200A	Ventilatory assistance	243147009	Replacement code has meaning of "Controlled ventilation (procedure)". Retired code is inactive in SNOMED CT (Duplicate).
D4-31022	Left ventricle outflow chamber		No replacement. Retired code is inactive in SNOMED CT (Ambiguous).
D4-31032	Right ventricle outflow chamber		No replacement. Retired code is inactive in SNOMED CT (Ambiguous).

Retired Code Value	Code Meaning	Replacement Code	Notes
F-72230	Voiding		No SNOMED replacement. Replaced by (109137, DCM, "During voiding") Retired code is inactive in SNOMED CT.
D8-60001	Infant of Gestational Diabetic Mother (IGDM)		No SNOMED replacement. Replaced by (C0456029, UMLS, "Infant of mother with gestational diabetes") Retired code is inactive in SNOMED CT.
L-8BA68	Mere cattle breed		No replacement. (133492008, SCT, "Lobi cattle breed") remains in use. Potential replacement L-8BB55 is inactive in SNOMED CT (Ambiguous).
G-A385	Normality Undetermined	371934000	Replacement code has meaning of "Normality undetermined (qualifier value)". (82334004, SCT, "Indeterminate") remains in use.
G-7292	On admission	278307001	Replacement code has meaning of "On admission (qualifier value)". (128954007, SCT, "Procedure phase") remains in use.
C-22848	bismark brown R stain	44488008	Replacement code has meaning of "Bismark brown R stain (substance)". (85190005, SCT, "bismark brown Y stain") remains in use.
R-10042	Arrythmia Evaluation	698247007	Retired code actually has meaning in SNOMED CT of "Device crossed septum (finding)". Replacement code has meaning of "Arrythmia".
T-48440	Anterior cardiac vein	194996006	Replacement code has meaning of "Structure of anterior cardiac vein (body structure)".
T-1531B	Atlantal-axial joint	62555009	Replacement code has meaning of "Structure of atlantoaxial joint (body structure)".
T-40501	Blood Vessel of Head	281231009	Replacement code has meaning of "Vascular structure of head (body structure)".
T-A6041	Cerebellar Cortex	25991003	Replacement code has meaning of "Cerebellar cortex structure (body structure)".
T-45526	Circle of Willis	11279006	Replacement code has meaning of "Structure of circle of Willis (body structure)".
T-11B02	Coccygeal vertrebrae	18149002	Replacement code has meaning of "Coccygeal vertebra structure (body structure)".
T-D1403	Cranial Cavity	1101003	Replacement code has meaning of "Cranial cavity structure (body structure)".
T-A0193	Cranial venous system	128320002	Replacement code has meaning of "Structure of intracranial vein (body structure)".
T-110A2	Distal phalanx		No replacement in SNOMED. An alternative concept (C3669027, UMLS, "Bone structure of distal phalanx)" exists.

Retired Code Value	Code Meaning	Replacement Code	Notes
T-47741	Dorsalis Pedis Artery	86547008	Replacement code has meaning of "Structure of dorsalis pedis artery (body structure)".
T-F6806	Ductus venosus	367624001	Replacement code has meaning of "Structure of ductus venosus (body structure)".
T-AB000	Ear	117590005	Replacement code has meaning of "Ear structure (body structure)".
T-AA215	Entire Cornea	28726007	Replacement code has meaning of "Corneal structure (body structure)".
T-1416B	External intercostal muscle	53967007	Replacement code has meaning of "Structure of external intercostal muscle (body structure)".
T-1553D	Finger Joint	125682004	Replacement code has meaning of "Finger joint structure (body structure)".
T-48470	Inferior cardiac vein	195416006	Replacement code has meaning of "Structure of posterior vein of left ventricle (body structure)".
T-A1721	Inferior Horn of Lateral Ventricle	53118009	Replacement code has meaning of "Structure of inferior horn of lateral ventricle (body structure)".
T-14183	Internal intercostal muscle	41313007	Replacement code has meaning of "Structure of internal intercostal muscle (body structure)".
T-C4351	Intra-mammary lymph node	443808008	Replacement code has meaning of "Structure of intramammary lymph node (body structure)". Retired code was used incorrectly and means something else ("Entire internal mammary lymph node (body structure)").
T-47651	lateral plantar artery	44830000	Replacement code has meaning of "Structure of lateral plantar artery (body structure)".
T-4881F	Left Main Branch of Portal Vein	70253006	Replacement code has meaning of "Structure of left main branch of portal vein (body structure)".
T-62002	Liver	10200004	Replacement code has meaning of "Liver structure (body structure)".
T-47661	medial plantar artery	74156002	Replacement code has meaning of "Structure of medial plantar artery (body structure)".
T-1254D	Metacarpus	36455000	Replacement code has meaning of "Bone structure of metacarpal (body structure)".
T-35313	Mitral Annulus	65197004	Replacement code has meaning of "Structure of anulus fibrosus of mitral orifice (body structure)".
T-51000	Mouth	123851003	Replacement code has meaning of "Mouth region structure (body structure)".
T-D0772	Myocardial Wall	272657006	Replacement code has meaning of "Cardiac wall structure (body structure)".
T-127EC	Navicular of hindfoot	75772009	Replacement code has meaning of "Bone structure of navicular (body structure)".
T-42231	Non-coronary Sinus	24865005	Replacement code has meaning of "Structure of posterior sinus of Valsalva (body structure)".
T-D14AD	Orbital region	363654007	Replacement code has meaning of "Structure of orbit proper (body structure)".
T-9200B	Prostate	41216001	Replacement code has meaning of "Prostatic structure (body structure)".

Retired Code Value	Code Meaning	Replacement Code	Notes
T-43203	Right Coronary Artery	13647002	Replacement code has meaning of "Right coronary artery structure (body structure)".
T-4882A	Right Main Branch of Portal Vein	73931004	Replacement code has meaning of "Structure of right main branch of portal vein (body structure)".
T-00009	Skin	39937001	Replacement code has meaning of "Skin structure (body structure)".
T-141A5	Transversus thoracis	88454005	Replacement code has meaning of "Structure of transverse thoracis muscle (body structure)".
T-35111	Tricuspid Annulus	>T-35110	Replacement code has meaning of "Structure of anulus fibrosus of tricuspid orifice (body structure)".
T-48817	Umbilical Vein	284639000	Replacement code has meaning of "Structure of umbilical portion of portal vein (body structure)".
D3-81310	Arterial dissection	710864009	Replaced code had meaning "Dissecting aneurysm of artery (disorder)". Replacement code has meaning "Dissection of artery (disorder)". Retired code is inactive in SNOMED CT.
M-32270	dissecting aneurysm	710864009	Replaced code had meaning "Dissecting aneurysm (morphologic abnormality)". Replacement code has meaning "Dissection of artery (disorder)". Retired code is inactive in SNOMED CT.
T-43126	Left Posterior Descending Artery	91760001	Replaced code had meaning "Structure of left posterior descending branch of circumflex branch of left coronary artery (body structure)". Replacement code has meaning "Left posterior descending circumflex coronary artery (body structure)". Retired code is inactive in SNOMED CT.
M-24614	berry aneurysm	54002007	Replaced code had meaning "Berry aneurysm (morphologic abnormality)". Replacement code has meaning "Saccular aneurysm (morphologic abnormality)". Retired code is inactive in SNOMED CT.
D3-80017	Inflammatory aneurysm	314186008	Replaced code had meaning "Inflammatory aneurysm (disorder)". Replacement code has meaning "Inflammatory abdominal aortic aneurysm (disorder)". Retired code is inactive in SNOMED CT.

Retired Code Value	Code Meaning	Replacement Code	Notes
R-002DA	Averaged	373098007	Replaced code had meaning "Averaged - numeric estimation technique (qualifier value)". Replacement code has meaning "Mean - numeric estimation technique (qualifier value)". Retired code is inactive in SNOMED CT.
R-101B7	Medial Dissection		Replaced code had meaning "Medial dissecting aneurysm (morphologic abnormality)". No replacement SNOMED code exists. (122399, DCM, "Medial Dissection") may be used instead. Retired code is inactive in SNOMED CT.
R-101B8	Intimal Dissection		Replaced code has meaning "Exposure to biological agent via direct penetration of skin (event)". No replacement SNOMED code exists. (122398, DCM, "Intimal Dissection") may be used instead.
R-101B9	Adventitial Dissection		Replaced code has meaning "Inhalational exposure to biological agent (event)". No replacement SNOMED code exists. (122397, DCM, "Adventitial Dissection") may be used instead.

Table J-2. SNOMED Synonyms Retired from DICOM Use

Code Value	Retired Code Meaning	Replacement Code Meaning	Notes
M-01000	Lesion	Morphologically Abnormal Structure	Retired synonym has status of "inappropriate" in SNOMED CT. A different SNOMED CT concept is used to refer specifically to lesions, (52988006, SCT, "Lesion").
DD-67700	Infection as complication of medical care	DD-67703	Replacement code has meaning "Healthcare associated infectious disease (disorder)". Retired code is inactive in SNOMED CT (Duplicate).
P1-14505	Hip joint implantation	P1-0558A	Replacement code has meaning "Insertion of hip prosthesis (procedure)". Retired code is inactive in SNOMED CT (Duplicate).
T-C4801	femoral lymph node	T-C4820	Replacement code has meaning "Structure of deep inguinal lymph node (body structure)". Retired code is inactive in SNOMED CT (Duplicate).

K Relevant Patient Information Templates (Normative)

The following Templates are appropriate to use as Root Templates for the Relevant Patient Information Query Service Class:

- TID 9007 “General Relevant Patient Information”
- TID 9000 “Relevant Patient Information for Breast Imaging”
- TID 9001 “Gynecological History”
- TID 9002 “Medication, Substance, Environmental Exposure”
- TID 9003 “Previous Procedure”
- TID 9004 “Indicated Problem”
- TID 9005 “Risk Factor”
- TID 9006 “Obstetric History”
- TID 3802 “Cardiovascular Patient History”

L Correspondence of Anatomic Region Codes and Body Part Examined Defined Terms

This Annex defines a correspondence between the codes used in context groups for Anatomic Region Sequence (0008,2218) and Body Part Examined (0018,0015), as well as providing a list of the Defined Terms for Body Part Examined (0018,0015), for human use in Table L-1 and for large animal use in Table L-2 and for small animal use in Table L-3. In addition, Table L-5 summarizes whether or not selected anatomic concepts need a laterality modifier (as opposed to being unpaired, or already incorporating laterality as a precoordinated concept).

Note

1. The tables in this Annex contain the union of a large variety of codes suitable for different applications and modalities, including cross-sectional, projectional and visible light. as such, only a subset will be appropriate for any specific application.

2. Values for Body Part Examined are limited by the CS VR length restriction to 16 characters in length and hence are somewhat contrived. Some inconsistency in abbreviations may be apparent but this largely reflects historical usage or clinically well recognized usage. No spaces or underscores are used, and singular rather than plural forms are used.

Table L-1. Corresponding Codes and Terms for Human Use

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	113345001	Abdomen	ABDOMEN	T-D4000		
SCT	416949008	Abdomen and Pelvis	ABDOMENPELVIS	R-FAB57		
SCT	7832008	Abdominal aorta	ABDOMINALAORTA	T-42500		
SCT	85856004	Acromioclavicular joint	ACJOINT	T-15420		
SCT	23451007	Adrenal gland	ADRENAL	T-B3000		
SCT	77012006	Amniotic fluid	AMNIOTICFLUID	T-F1320		
SCT	70258002	Ankle joint	ANKLE	T-15750		
SCT	128585006	Anomalous pulmonary vein		T-48503		
SCT	128553008	Antecubital vein	ANTECUBITALV	T-49215		
SCT	194996006	Anterior cardiac vein	ANTCARDIACV	T-48403		
SCT	60176003	Anterior cerebral artery	ACA	T-45540	50028	
SCT	8012006	Anterior communicating artery	ANTCOMMA	T-45530		
SCT	17388009	Anterior spinal artery	ANTSPINALA	T-45730		
SCT	68053000	Anterior tibial artery	ANTTIBIALA	T-47700		
SCT	53505006	Anus		T-59900		
SCT	110612005	Anus, rectum and sigmoid colon	ANUSRECTUMSIGMD	T-59490		
SCT	15825003	Aorta	AORTA	T-42000		
SCT	57034009	Aortic arch	AORTICARCH	T-42300		
SCT	128551005	Aortic fistula		D3-81922		
SCT	128564006	Apex of left ventricle		T-32602		
SCT	86598002	Apex of Lung		T-280A0		

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	128565007	Apex of right ventricle		T-32502		
SCT	66754008	Appendix	APPENDIX	T-59200		
SCT	51114001	Artery	ARTERY	T-41000		
SCT	54247002	Ascending aorta	ASCAORTA	T-42100		
SCT	9040008	Ascending colon	ASCENDINGCOLON	T-59420		
SCT	59652004	Atrium		T-32100		
SCT	91470000	Axilla	AXILLA	T-D8104		
SCT	67937003	Axillary Artery	AXILLARYA	T-47100		
SCT	68705008	Axillary vein	AXILLARYV	T-49110		
SCT	72107004	Azygos vein	AZYGOSVEIN	T-48340		
SCT	77568009	Back	BACK	T-D2100		
SCT	128981007	Baffle		A-00203		
SCT	59011009	Basilar artery	BASILARA	T-45800		
SCT	28273000	Bile duct	BILEDUCT	T-60610		
SCT	89837001	Bladder	BLADDER	T-74000		
SCT	110837003	Bladder and urethra	BLADDERURETHRA	T-DD123		
SCT	91830000	Body conduit		T-D00AB		
SCT	72001000	Bone of lower limb		T-12700		
SCT	371195002	Bone of upper limb		T-D0821		
SCT	128548003	Boyd's perforating vein		T-49424		
SCT	17137000	Brachial artery	BRACHIALA	T-47160		
SCT	20115005	Brachial vein	BRACHIALV	T-49350		
SCT	12738006	Brain	BRAIN	T-A0100		
SCT	76752008	Breast	BREAST	T-04000		
SCT	34411009	Broad ligament		T-D6500		
SCT	955009	Bronchus	BRONCHUS	T-26000		
SCT	60819002	Buccal region of face		T-D1206		
SCT	46862004	Buttock	BUTTOCK	T-D2600		
SCT	80144004	Calcaneus	CALCANEUS	T-12770		
SCT	53840002	Calf of leg	CALF	T-D9440		
SCT	2334006	Calyx		T-72100		
SCT	69105007	Carotid Artery	CAROTID	T-45010		
SCT	21479005	Carotid bulb	BULB	T-45170	50094	
SCT	57850000	Celiac artery	CELIACA	T-46400	50737	
SCT	20699002	Cephalic vein	CEPHALICV	T-49240		
SCT	113305005	Cerebellum	CEREBELLUM	T-A6000		
SCT	88556005	Cerebral artery	CEREBRALA	T-45510		
SCT	372073000	Cerebral hemisphere	CEREBHEMISPHERE	T-A010F		
SCT	122494005	Cervical spine	CSPINE	T-11501		
SCT	297171002	Cervico-thoracic spine	CTSPINE	T-D00F7		

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	71252005	Cervix	CERVIX	T-83200		
SCT	60819002	Cheek	CHEEK	T-D1206		
SCT	51185008	Chest	CHEST	T-D3000		
SCT	416775004	Chest, Abdomen and Pelvis	CHESTABDPELVIS	R-FAB56		
SCT	416550000	Chest and Abdomen	CHESTABDOMEN	R-FAB55		
SCT	80621003	Choroid plexus	CHOROIDPLEXUS	T-A1900	61934	
SCT	11279006	Circle of Willis	CIRCLEOFWILLIS	T-45520		
SCT	51299004	Clavicle	CLAVICLE	T-12310		
SCT	64688005	Coccyx	COCCYX	T-11BF0		
SCT	71854001	Colon	COLON	T-59300		
SCT	253276007	Common atrium		D4-31005		
SCT	32062004	Common carotid artery	CCA	T-45100		
SCT	181347005	Common femoral artery	CFA	T-47402	323778	
SCT	397363009	Common femoral vein	CFV	G-035B	323829	
SCT	73634005	Common iliac artery	COMILIACA	T-46710		
SCT	46027005	Common iliac vein	COMILIACV	T-48920		
SCT	45503006	Common ventricle		D4-31120		
SCT	128555001	Congenital coronary artery fistula to left atrium		D4-32504		
SCT	128556000	Congenital coronary artery fistula to left ventricle		D4-32506		
SCT	128557009	Congenital coronary artery fistula to right atrium		D4-32509		
SCT	128558004	Congenital coronary artery fistula to right ventricle		D4-32510		
SCT	111289009	Congenital pulmonary arteriovenous fistula		D3-40208		
SCT	28726007	Cornea	CORNEA	T-AA200		
SCT	41801008	Coronary artery	CORONARYARTERY	T-43000		
SCT	90219004	Coronary sinus	CORONARYSINUS	T-48410		
SCT	128320002	Cranial venous system		T-A0191		
SCT	32672002	Descending aorta	DESCAORTA	T-42400		
SCT	32622004	Descending colon	DESCENDINGCOLON	T-59460		
SCT	128554002	Dodd's perforating vein		T-49429		
SCT	38848004	Duodenum	DUODENUM	T-58200		
SCT	117590005	Ear	EAR	T-AB001		
SCT	16953009	Elbow joint	ELBOW	T-15430		
SCT	51114001	Endo-arterial	ENDOARTERIAL	T-41000		
SCT	80891009	Endo-cardiac	ENDOCARDIAC	T-32000		

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	32849002	Endo-esophageal	ENDOESOPHAGEAL	T-56000		
SCT	2739003	Endometrium	ENDOMETRIUM	T-83400		
SCT	53342003	Endo-nasal	ENDONASAL	T-21300		
SCT	18962004	Endo-nasopharyngeal	ENDONASOPHARYNYX	T-23050		
SCT	34402009	Endo-rectal	ENDORECTAL	T-59600		
SCT	64033007	Endo-renal	ENDORENAL	T-71000		
SCT	87953007	Endo-ureteric	ENDOURETERIC	T-73000		
SCT	13648007	Endo-urethral	ENDOURETHRAL	T-75000		
SCT	76784001	Endo-vaginal	ENDOVAGINAL	T-82000		
SCT	59820001	Endo-vascular	ENDOVASCULAR	T-40000		
SCT	29092000	Endo-venous	ENDOVENOUS	T-48000		
SCT	48367006	Endo-vesical	ENDOVESICAL	T-74250		
SCT	38266002	Entire body	WHOLEBODY	T-D0010		
SCT	87644002	Epididymis	EPIDIDYMIS	T-95000	18255	
SCT	27947004	Epigastric region	EPIGASTRIC	T-D4200		
SCT	32849002	Esophagus	ESOPHAGUS	T-56000		
SCT	110861005	Esophagus, stomach and duodenum		T-DD163		
SCT	84301002	External auditory canal	EAC	T-AB200		
SCT	22286001	External carotid artery	ECA	T-45200		
SCT	113269004	External iliac artery	EXTILIACA	T-46910		
SCT	63507001	External iliac vein	EXTILIACV	T-48930		
SCT	71585003	External jugular vein	EXTJUGV	T-48160	13110	C0226543
SCT	66019005	Extremity	EXTREMITY	T-D0300		
SCT	81745001	Eye	EYE	T-AA000		
SCT	80243003	Eyelid	EYELID	T-AA810		
SCT	371398005	Eye region		T-D0801		
SCT	89545001	Face	FACE	T-D1200		
SCT	23074001	Facial artery	FACIALA	T-45240		
SCT	91397008	Facial bones		T-11196		
SCT	7657000	Femoral artery	FEMORALA	T-47400		
SCT	83419000	Femoral vein	FEMORALV	T-49410		
SCT	71341001	Femur	FEMUR	T-12710		
		Fetal arm	FETALARM			
		Fetal digit	FETALDIGIT			
		Fetal heart	FETALHEART		63931	
		Fetal leg	FETALLEG			
		Fetal pole	FETALPOLE			
SCT	87342007	Fibula	FIBULA	T-12750		
SCT	7569003	Finger	FINGER	T-D8800		

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	58602004	Flank	FLANK	T-D2310		
SCT	79361005	Fontanel of skull	FONTANEL	T-15200		
SCT	56459004	Foot	FOOT	T-D9700		
SCT	14975008	Forearm	FOREARM	T-D8500		
SCT	35918002	Fourth ventricle	4THVENTRICLE	T-A1820		
SCT	28231008	Gallbladder	GALLBLADDER	T-63000		
SCT	110568007	Gastric vein	GASTRICV	T-48820		
SCT	128559007	Genicular artery	GENICULARA	T-47490		
SCT	300571009	Gestational sac	GESTSAC	F-03FC9		
SCT	46862004	Gluteal region	GLUTEAL	T-D2600		
SCT	5928000	Great cardiac vein		T-48420		
SCT	60734001	Great saphenous vein	GSV	T-49530	21376	
SCT	85562004	Hand	HAND	T-D8700		
SCT	69536005	Head	HEAD	T-D1100		
SCT	774007	Head and Neck	HEADNECK	T-D1000		
SCT	80891009	Heart	HEART	T-32000		
SCT	76015000	Hepatic artery	HEPATICA	T-46420		
SCT	8993003	Hepatic vein	HEPATICV	T-48720		
SCT	24136001	Hip joint	HIP	T-15710		
SCT	85050009	Humerus	HUMERUS	T-12410		
SCT	128560002	Hunterian perforating vein		T-4942A		
SCT	11708003	Hypogastric region	HYPOGASTRIC	T-D4240		
SCT	81502006	Hypopharynx	HYPOPHARYNX	T-55300		
SCT	34516001	Ileum	ILEUM	T-58600		
SCT	299716001	Iliac and/or femoral artery		T-41068		
SCT	10293006	Iliac artery	ILIACA	T-46700		
SCT	244411005	Iliac vein	ILIACV	T-4940E		
SCT	22356005	Ilium	ILIUM	T-12340		
SCT	195416006	Inferior cardiac vein		T-484A4		
SCT	51249003	Inferior left pulmonary vein		T-48540		
SCT	33795007	Inferior mesenteric artery	INFMESA	T-46520		
SCT	113273001	Inferior right pulmonary vein		T-48520		
SCT	64131007	Inferior vena cava	INFVENACAVA	T-48710		
SCT	26893007	Inguinal region	INGUINAL	T-D7000		
SCT	12691009	Innominate artery	INNOMINATEA	T-46010		
SCT	8887007	Innominate vein	INNOMINATEV	T-48620		
SCT	361078006	Internal Auditory Canal	IAC	T-AB959		
SCT	86117002	Internal carotid artery	ICA	T-45300		
SCT	90024005	Internal iliac artery	INTILIACA	T-46740		

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	12123001	Internal jugular vein	INTJUGULARV	T-48170		
SCT	69327007	Internal mammary artery	INTMAMMARYA	T-46200		
SCT	52731004	Intra-abdominal		T-D4010		
SCT	131183008	Intra-articular		G-A15A		
SCT	1101003	Intracranial	INTRACRANIAL	T-D1400		
SCT	32849002	Intra-esophageal		T-56000		
SCT	21844003	Intra-pelvic		T-D6221		
SCT	51185008	Intra-thoracic		T-D3000		
SCT	661005	Jaw region	JAW	T-D1213		
SCT	21306003	Jejunum	JEJUNUM	T-58400		
SCT	39352004	Joint	JOINT	T-15001		
SCT	128563000	Juxtaposed atrial appendage		D4-31052		
SCT	64033007	Kidney	KIDNEY	T-71000		
SCT	72696002	Knee	KNEE	T-D9200		
SCT	59749000	Lacrimal artery	LACRIMALA	T-45410		
SCT	128979005	Lacrimal artery of right eye		T-45416		
SCT	14742008	Large intestine	LARGEINTESTINE	T-59000		
SCT	4596009	Larynx	LARYNX	T-24100		
SCT	66720007	Lateral Ventricle	LATVENTRICLE	T-A1650	78448	
SCT	82471001	Left atrium	LATRIUM	T-32300		
SCT	33626005	Left auricular appendage		T-32310		
SCT	113270003	Left femoral artery	LFEMORALA	T-47420		
SCT	273202007	Left hepatic vein	LHEPATICV	T-48727	14339	
SCT	133945003	Left hypochondriac region	LHYPOCHONDRIAC	T-D4211		
SCT	85119005	Left inguinal region	LINGUINAL	T-D7020		
SCT	68505006	Left lower quadrant of abdomen	LLQ	T-D4140		
SCT	133943005	Left lumbar region	LLUMBAR	T-D2340		
SCT	70253006	Left portal vein	LPORTALV	T-48814	15415	
SCT	50408007	Left pulmonary artery	LPULMONARYA	T-44400		
SCT	86367003	Left upper quadrant of abdomen	LUQ	T-D4130		
SCT	87878005	Left ventricle	LVENTRICLE	T-32600		
SCT	70238003	Left ventricle inflow		T-32640		
SCT	13418002	Left ventricle outflow tract		T-32650		
SCT	113264009	Lingual artery	LINGUALA	T-45230		
SCT	10200004	Liver	LIVER	T-62000		
SCT	19100000	Lower inner quadrant of breast		T-04003		
SCT	30021000	Lower leg	LEG	T-D9400		

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	61685007	Lower limb		T-D9000		
SCT	33564002	Lower outer quadrant of breast		T-04005		
SCT	34635009	Lumbar artery	LUMBARA	T-46960		
SCT	52612000	Lumbar region	LUMBAR	T-D2300		
SCT	122496007	Lumbar spine	LSPINE	T-11503		
SCT	297173004	Lumbo-sacral spine	LSSPINE	T-D00F9		
SCT	91747007	Lumen of blood vessel	LUMEN	T-40230		
SCT	39607008	Lung	LUNG	T-28000		
SCT	91609006	Mandible	JAW	T-11180		
SCT	59066005	Mastoid bone	MASTOID	T-11133		
SCT	70925003	Maxilla	MAXILLA	T-11170		
SCT	72410000	Mediastinum	MEDIASTINUM	T-D3300		
SCT	86570000	Mesenteric artery	MESENTRICA	T-46500		
SCT	128583004	Mesenteric vein	MESENTRICV	T-4884A		
SCT	17232002	Middle cerebral artery	MCA	T-45600	50079	
SCT	273099000	Middle hepatic vein	MIDHEPATICV	T-48726	14340	
SCT	243977002	Morisons pouch	MORISONSPOUCH	T-D4434		
SCT	123851003	Mouth	MOUTH	T-D0662		
SCT	102292000	Muscle of lower limb		T-14668		
SCT	30608006	Muscle of upper limb		T-13600		
SCT	74386004	Nasal bone		T-11149		
SCT	360955006	Nasopharynx	NASOPHARYNX	T-2300C		
SCT	45048000	Neck	NECK	T-D1600		
SCT	416319003	Neck, Chest, Abdomen and Pelvis	NECKCHESTABDPELV	R-FAB54		
SCT	416152001	Neck, Chest and Abdomen	NECKCHESTABDOMEN	R-FAB53		
SCT	417437006	Neck and Chest	NECKCHEST	R-FAB52		
SCT	45206002	Nose	NOSE	T-21000		
SCT	31145008	Occipital artery	OCCPITALA	T-45250		
SCT	32114007	Occipital vein	OCCIPTALV	T-48214		
SCT	113346000	Omental bursa		T-D4450		
SCT	27398004	Omentum		T-D4600		
SCT	53549008	Ophthalmic artery	OPHTHALMICA	T-45400		
SCT	55024004	Optic canal	OPTICCANAL	T-11102		
SCT	363654007	Orbital structure	ORBIT	T-D14AE		
SCT	15497006	Ovary	OVARY	T-87000		
SCT	15776009	Pancreas	PANCREAS	T-65000		
SCT	69930009	Pancreatic duct	PANCREATICDUCT	T-65010		

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	110621006	Pancreatic duct and bile duct systems		T-65600		
SCT	2095001	Paranasal sinus		T-22000		
SCT	91691001	Parasternal	PARASTERNAL	T-D3136		
SCT	111002	Parathyroid	PARATHYROID	T-B7000		
SCT	45289007	Parotid gland	PAROTID	T-61100		
SCT	64234005	Patella	PATELLA	T-12730		
SCT	83330001	Patent ductus arteriosus		D4-32012		
SCT	12921003	Pelvis	PELVIS	T-D6000		
SCT	416631005	Pelvis and lower extremities		R-FAB58		
SCT	282044005	Penile artery	PENILEA	T-46807	66318	
SCT	18911002	Penis	PENIS	T-91000		
SCT	38864007	Perineum	PERINEUM	T-D2700		
SCT	8821006	Peroneal artery	PERONEALA	T-47630		
DCM	113681	Phantom				
SCT	54066008	Pharynx	PHARYNX	T-55000		
SCT	312535008	Pharynx and larynx	PHARYNXLARYNX	T-20101		
SCT	78067005	Placenta	PLACENTA	T-F1100		
SCT	43899006	Popliteal artery	POPLITEALA	T-47500		
SCT	32361000	Popliteal fossa	POPLITEALFOSSA	T-D9310		
SCT	56849005	Popliteal vein	POPLITEALV	T-49650	44327	
SCT	32764006	Portal vein	PORTALV	T-48810	66645	
SCT	70382005	Posterior cerebral artery	PCA	T-45900	50583	
SCT	43119007	Posterior communicating artery	POSCOMMA	T-45320		
SCT	128569001	Posterior medial tributary		T-49535		
SCT	13363002	Posterior tibial artery	POSTIBIALA	T-47600		
SCT	14944004	Primitive aorta		T-F7001		
SCT	91707000	Primitive pulmonary artery		T-F7040		
SCT	31677005	Profunda femoris artery	PROFFEMA	T-47440	20741	
SCT	23438002	Profunda femoris vein	PROFFEMV	T-49660	51041	
SCT	41216001	Prostate	PROSTATE	T-92000		
SCT	81040000	Pulmonary artery	PULMONARYA	T-44000		
SCT	128584005	Pulmonary artery conduit		D4-33142		
SCT	128586007	Pulmonary chamber of cor triatriatum		T-32190		
SCT	122972007	Pulmonary vein	PULMONARYV	T-48581		
SCT	128566008	Pulmonary vein confluence		D4-33512		
SCT	128567004	Pulmonary venous atrium		D4-33514		
SCT	45631007	Radial artery	RADIALA	T-47300		

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SCT	62413002	Radius	RADIUS	T-12420		
SCT	110535000	Radius and ulna	RADIUSULNA	T-12403		
SCT	53843000	Rectouterine pouch	CULDESAC	T-D6407		
SCT	34402009	Rectum	RECTUM	T-59600		
SCT	2841007	Renal artery	RENALA	T-46600		
SCT	25990002	Renal pelvis		T-72000		
SCT	56400007	Renal vein	RENALV	T-48740		
SCT	82849001	Retroperitoneum	RETROPERITONEUM	T-D4900		
SCT	113197003	Rib	RIB	T-11300		
SCT	73829009	Right atrium	RATRIUM	T-32200		
SCT	68300000	Right auricular appendage		T-32210		
SCT	69833005	Right femoral artery	RFEMORALA	T-47410		
SCT	272998002	Right hepatic vein	RHEPATICV	T-48725	14338	
SCT	133946002	Right hypochondriac region	RHYPOCHONDRIAC	T-D4212		
SCT	37117007	Right inguinal region	RINGUINAL	T-D7010		
SCT	48544008	Right lower quadrant of abdomen	RLQ	T-D4120		
SCT	133944004	Right lumbar region	RLUMBAR	T-D2342		
SCT	73931004	Right portal vein	RPORTALV	T-48813	15414	
SCT	78480002	Right pulmonary artery	RPULMONARYA	T-44200		
SCT	50519007	Right upper quadrant of abdomen	RUQ	T-D4110		
SCT	53085002	Right ventricle	RVENTRICLE	T-32500		
SCT	8017000	Right ventricle inflow		T-32540		
SCT	44627009	Right ventricle outflow tract		T-32550		
SCT	39723000	Sacroiliac joint	SIJOINT	T-15680		
SCT	54735007	Sacrum	SSPINE	T-11AD0		
SCT	128587003	Saphenofemoral junction	SFJ	T-D930A		
SCT	362072009	Saphenous vein	SAPHENOUSV	T-4940B		C0036186
SCT	41695006	Scalp	SCALP	T-D1160		
SCT	79601000	Scapula	SCAPULA	T-12280		
SCT	18619003	Sclera	SCLERA	T-AA110		
SCT	20233005	Scrotum	SCROTUM	T-98000		
SCT	42575006	Sella turcica	SELLA	T-D1460		
SCT	64739004	Seminal vesicle	SEMVESICLE	T-93000	19386	
SCT	58742003	Sesamoid bones of foot	SESAMOID	T-12980		
SCT	16982005	Shoulder	SHOULDER	T-D2220		
SCT	60184004	Sigmoid colon	SIGMOID	T-59470		
SCT	89546000	Skull	SKULL	T-11100		

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	30315005	Small intestine	SMALLINTESTINE	T-58000		
SCT	2748008	Spinal cord	SPINALCORD	T-A7010		
SCT	421060004	Spine	SPINE	T-D04FF		
SCT	78961009	Spleen	SPLEEN	T-C3000		
SCT	22083002	Splenic artery	SPLENICA	T-46460		
SCT	35819009	Splenic vein	SPLENICV	T-48890		
SCT	7844006	Sternoclavicular joint	SCJOINT	T-15610		
SCT	56873002	Sternum	STERNUM	T-11210		
SCT	69695003	Stomach	STOMACH	T-57000		
SCT	36765005	Subclavian artery	SUBCLAVIANA	T-46100		
SCT	9454009	Subclavian vein	SUBCLAVIANV	T-48330		
SCT	19695001	Subcostal	SUBCOSTAL	T-D4210		
SCT	5713008	Submandibular area		T-D1603		
SCT	54019009	Submandibular gland	SUBMANDIBULAR	T-61300		
SCT	170887008	Submental		T-D161E		
SCT	5076001	Subxiphoid		T-D3213		
SCT	181349008	Superficial femoral artery	SFA	T-47403	323777	
SCT	397364003	Superficial femoral vein	SFV	G-035A		
SCT	15672000	Superficial temporal artery		T-45270		
SCT	43863001	Superior left pulmonary vein	LSUPPULMONARYV	T-48530		
SCT	42258001	Superior mesenteric artery	SMA	T-46510		
SCT	8629005	Superior right pulmonary vein	RSUPPULMONARYV	T-48510		
SCT	72021004	Superior thyroid artery	SUPTHYROIDA	T-45210		
SCT	48345005	Superior vena cava	SVC	T-48610		
SCT	77621008	Supraclavicular region of neck	SUPRACLAVICULAR	T-D1620		
SCT	11708003	Suprapubic region	SUPRAPUBIC	T-D4240		
SCT	26493002	Suprasternal notch		T-11218		
SCT	128589000	Systemic collateral artery to lung		T-44007		
SCT	128568009	Systemic venous atrium		D4-33516		
SCT	27949001	Tarsal joint		T-15770		
SCT	53620006	Temporomandibular joint	TMJ	T-15290		
SCT	40689003	Testis	TESTIS	T-94000		
SCT	42695009	Thalamus	THALAMUS	T-A4000	62007	
SCT	68367000	Thigh	THIGH	T-D9100		
SCT	49841001	Third ventricle	3RDVENTRICLE	T-A1740		
SCT	113262008	Thoracic aorta	THORACICAORTA	T-42070		
SCT	122495006	Thoracic spine	TSPINE	T-11502		

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	297172009	Thoraco-lumbar spine	TLSPINE	T-D00F8		
SCT	51185008	Thorax	THORAX	T-D3000		
SCT	76505004	Thumb	THUMB	T-D8810		
SCT	9875009	Thymus	THYMUS	T-C8000		
SCT	69748006	Thyroid	THYROID	T-B6000		
SCT	12611008	Tibia	TIBIA	T-12740		
SCT	110536004	Tibia and fibula	TIBIAFIBULA	T-12701		
SCT	29707007	Toe	TOE	T-D9800		
SCT	21974007	Tongue	TONGUE	T-53000		
SCT	44567001	Trachea	TRACHEA	T-25000		
SCT	110726009	Trachea and bronchus	TRACHEABRONCHUS	T-DD006		
SCT	485005	Transverse colon	TRANSVERSECOLON	T-59440		
SCT	61959006	Truncus arteriosus communis		D4-31400		
SCT	57850000	Truncus coeliacus		T-46400		
SCT	23416004	Ulna	ULNA	T-12430		
SCT	44984001	Ulnar artery	ULNARA	T-47200		
SCT	50536004	Umbilical artery	UMBILICALA	T-F1810		
SCT	90290004	Umbilical region	UMBILICAL	T-D4230		
SCT	284639000	Umbilical vein	UMBILICALV	T-48832		
SCT	40983000	Upper arm	ARM	T-D8200		
SCT	77831004	Upper inner quadrant of breast		T-04002		
SCT	53120007	Upper limb		T-D8000		
SCT	76365002	Upper outer quadrant of breast		T-04004		
SCT	431491007	Upper urinary tract	UPRURINARYTRACT	T-7000B		
SCT	87953007	Ureter	URETER	T-73000		
SCT	13648007	Urethra	URETHRA	T-75000		
SCT	35039007	Uterus	UTERUS	T-83000		
SCT	110639002	Uterus and fallopian tubes		T-88920		
SCT	76784001	Vagina	VAGINA	T-82000		
SCT	118375008	Vascular graft		A-04140		
SCT	29092000	Vein	VEIN	T-48000		
SCT	34340008	Venous network		T-48003		
SCT	21814001	Ventricle		T-32400		
SCT	85234005	Vertebral artery	VERTEBRALA	T-45700		
SCT	110517009	Vertebral column and cranium		T-11011		
SCT	45292006	Vulva	VULVA	T-81000		
SCT	74670003	Wrist joint	WRIST	T-15460		

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	13881006	Zygoma	ZYGOMA	T-11166		

Note

In prior versions of this table, different codes were used for some concepts; see PS3.16-2011.

Table L-2. Corresponding Codes and Terms for Large Animals

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	113345001	Abdomen	ABDOMEN	T-D4000		
SCT	42694008	All legs	LEGS	T-D8030		
SCT	62555009	Atlantal-axial joint	ATLANTOAXIAL	T-15317		
SCT	20292002	Atlanto-occipital joint	ATLANTOOCCIPITAL	T-15311		
SCT	89837001	Bladder	BLADDER	T-74000		
SCT	82474009	Calcaneal tubercle		T-12771		
SCT	8205005	Carpus	CARPUS	T-D8600		
SCT	122494005	Cervical spine	CSPINE	T-11501		
SCT	297171002	Cervico-thoracic spine	CTSPINE	T-D00F7		
SCT	51185008	Chest	CHEST	T-D3000		
SCT	416550000	Chest and Abdomen	CHESTABDOMEN	R-FAB55		
SCT	18149002	Coccygeal vertrebrae	TAIL	T-11B00		
SCT	71854001	Colon	COLON	T-59300		
SCT	82680008	Digit	DIGIT	T-D0310		
UMLS	C3669027	Distal phalanx	DISTALPHALANX			C3669027
SCT	16953009	Elbow joint	ELBOW	T-15430		
SCT	38266002	Entire body	WHOLEBODY	T-D0010		
SCT	32849002	Esophagus	ESOPHAGUS	T-56000		
SCT	71341001	Femur	FEMUR	T-12710		
SCT	13190002	Fetlock of forelimb	FOREFETLOCK	T-D8640		
SCT	113351006	Fetlock of hindlimb	HINDFETLOCK	T-D9540		
SCT	87342007	Fibula	FIBULA	T-12750		
SCT	419176008	Forefoot	FOREFOOT	T-D04F2		
SCT	55060009	Frontal sinus	FRONTALSINUS	T-22200		
SCT	416804009	Hindfoot	HINDFOOT	T-D9713		
SCT	24136001	Hip joint	HIP	T-15710		
SCT	85050009	Humerus	HUMERUS	T-12410		
SCT	122496007	Lumbar spine	LSPINE	T-11503		
SCT	297173004	Lumbo-sacral spine	LSSPINE	T-D00F9		
SCT	91609006	Mandible	JAW	T-11180		
SCT	88176008	Mandibular dental arch		T-54170		
SCT	442274007	Mandibular incisor teeth		T-540EE		

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA Code Value	UMLS Concept UniqueID
SCT	39481002	Maxillary dental arch		T-54160		
SCT	442100006	Maxillary incisor teeth		T-540ED		
SCT	36455000	Metacarpus	METACARPUS	T-12540		
SCT	280711000	Metatarsus	METATARSUS	T-12847		
SCT	2095001	Nasal sinus		T-22000		
SCT	30518006	Navicular of forefoot	FORENAVICULAR	T-12450		
SCT	75772009	Navicular of hindfoot	HINDNAVICULAR	T-12800		
SCT	363654007	Orbital structure	ORBIT	T-D14AE		
SCT	31329001	Pastern of forefoot	FOREPASTERN	T-D8650		
SCT	18525008	Pastern of hindfoot	HINDPASTERN	T-D9550		
SCT	64234005	Patella	PATELLA	T-12730		
SCT	12921003	Pelvis	PELVIS	T-D6000		
SCT	62413002	Radius	RADIUS	T-12420		
SCT	110535000	Radius and ulna	RADIUSULNA	T-12403		
SCT	54735007	Sacrum	SSPINE	T-11AD0		
SCT	16982005	Shoulder	SHOULDER	T-D2220		
SCT	89546000	Skull	SKULL	T-11100		
SCT	116010006	Stiffle	STIFLE	T-15728		
SCT	108371006	Tarsus	TARSUS	T-12761		
SCT	122495006	Thoracic spine	TSPINE	T-11502		
SCT	297172009	Thoraco-lumbar spine	TLSPINE	T-D00F8		
SCT	12611008	Tibia	TIBIA	T-12740		
SCT	110536004	Tibia and fibula	TIBIAFIBULA	T-12701		
SCT	62834003	Upper gastro-intestinal tract	UGITRACT	T-50110		
SCT	23416004	Ulna	ULNA	T-12430		
SCT	13648007	Urethra	URETHRA	T-75000		
SCT	431938005	Urinary tract	URINARYTRACT	T-7000C		
SCT	53036007	Wing	WING	T-D8040		

Note

In prior versions of this table, different codes were used for some concepts; see PS3.16-2011.

Table L-3. Corresponding Codes And Terms for Small Animal Use

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA ID	Mouse Anatomy ID	NCIt ID	Uberon ID	UMLS Concept UniqueID
SCT	23451007	Adrenal gland	ADRENAL	T-B3000	9604	0000116	C12666	0002369	C0001625
SCT	70258002	Ankle joint	ANKLE	T-15750	35195	0000463	C32078	0001488	C0003087
SCT	15825003	Aorta	AORTA	T-42000	3734	0000062	C12669	0000947	C0003483
SCT	89837001	Bladder	BLADDER	T-74000	15900	0000380	C12414	0001255	C0005682

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA ID	Mouse Anatomy ID	NCIt ID	Uberon ID	UMLS Concept UniqueID
SCT	12738006	Brain	BRAIN	T-A0100	50801	0000168	C12439	0000955	C0006104
SCT	76752008	Breast	BREAST	T-04000	57983	0000145	C12367	0001911	C0929301
SCT	955009	Bronchus	BRONCHUS	T-26000	7409	0000436	C12683	0002185	C0006255
SCT	60819002	Buccal region of face	CHEEK	T-D1206	46476	0002475	C13070	0001567	C0007966
SCT	80144004	Calcaneus	CALCANEUS	T-12770	24496	0001348	C32250	0001450	C0006655
SCT	69105007	Carotid Artery	CAROTID	T-45010		0001925	C12687	0005396	C0007272
SCT	113305005	Cerebellum	CEREBELLUM	T-A6000	67944	0000198	C12445	0002037	C0007765
SCT	71252005	Cervix	CERVIX	T-83200	17740	0000392	C12311	0000002	C0007874
SCT	51299004	Clavicle	CLAVICLE	T-12310	13321	0001329	C12695	0001105	C0008913
SCT	64688005	Coccyx	COCCYX	T-11BF0	20229	0001420	C12696	0001095	C0009194
SCT	71854001	Colon	COLON	T-59300	14543	0000335	C12382	0001155	C0009368
SCT	28726007	Cornea	CORNEA	T-AA200	58238	0000266	C12342	0000964	C0010031
SCT	41801008	Coronary artery	CORONARYARTERY	T-43000	49893	0002453	C12843	0001621	C0205042
SCT	82680008	Digit	DIGIT	T-D0310	85518	0000690	C40186	0002544	C0582802
SCT	38848004	Duodenum	DUODENUM	T-58200	7206	0000338	C12263	0002114	C0013303
SCT	16953009	Elbow joint	ELBOW	T-15430	35289	0000451	C32497	0001490	C0013770
SCT	32849002	Esophagus	ESOPHAGUS	T-56000	7131	0000352	C12389	0001043	C0014876
SCT	66019005	Extremity	EXTREMITY	T-D0300	7182	0000007	C12429	0002101	C0015385
SCT	81745001	Eye	EYE	T-AA000	54448	0000261	C12401	0000019	C0015392
SCT	80243003	Eyelid	EYELID	T-AA810	54437	0000268	C12713	0001711	C0015426
SCT	89545001	Face	FACE	T-D1200	24728	0002473	C13071	0001456	C0015450
SCT	71341001	Femur	FEMUR	T-12710	9611	0001359	C12717	0000981	C0015811
SCT	87342007	Fibula	FIBULA	T-12750	24479	0001360	C12718	0001446	C0016068
SCT	7569003	Finger	FINGER	T-D8800	9666	0000041	C32608	0002389	C0016129
SCT	56459004	Foot	FOOT	T-D9700	9664	0000044	C32622	0002387	C0016504
SCT	55060009	Frontal sinus	FRONTALSINUS	T-22200	57417	0001793	C12277	0001760	C0016734
SCT	28231008	Gallbladder	GALLBLADDER	T-63000	7202	0000356	C12377	0002110	C0016976
SCT	85562004	Hand	HAND	T-D8700	9712	0000037	C32712	0002398	C0018563
SCT	69536005	Head	HEAD	T-D1100	7154	0000023	C12419	0000033	C0018670
SCT	774007	Head and Neck	HEADNECK	T-D1000		0000006	C12418	0007811	C0460004
SCT	80891009	Heart	HEART	T-32000	7088	0000072	C12727	0000948	C0018787
SCT	24136001	Hip joint	HIP	T-15710	35178	0000470	C32742	0001486	C0019558
SCT	85050009	Humerus	HUMERUS	T-12410	13303	0001356	C12731	0000976	C0020164
SCT	34516001	Ileum	ILEUM	T-58600	7208	0000339	C12387	0002116	C0020885
SCT	22356005	Ilium	ILIUM	T-12340	16589	0001336	C32765	0001273	C0020889
SCT	661005	Jaw region	JAW	T-D1213	54396	0001905	C48821	0001708	C0022359
SCT	21306003	Jejunum	JEJUNUM	T-58400	7207	0000340	C12388	0002115	C0022378
SCT	64033007	Kidney	KIDNEY	T-71000	7203	0000368	C12415	0002113	C0022646
SCT	10200004	Liver	LIVER	T-62000	7197	0000358	C12392	0002107	C0023884
SCT	30021000	Lower leg	LEG	T-D9400	24979	0000047	C32974	0000978	C1140621

Coding Scheme Designator	Code Value	Code Meaning	Body Part Examined	SNOMED-RT ID (Retired)	FMA ID	Mouse Anatomy ID	NCIt ID	Uberon ID	UMLS Concept UniqueID
SCT	39607008	Lung	LUNG	T-28000	7195	0000415	C12468	0002048	C0024109
SCT	91609006	Mandible	JAW	T-11180	52748	0001487	C12290	0001684	C0024687
SCT	70925003	Maxilla	MAXILLA	T-11170	9711	0001491	C26470	0002397	C0024947
SCT	30518006	Navicular of forefoot	FORENAVICULAR	T-12450	33311	0002555	C12854	0001427	C0223724
SCT	45048000	Neck	NECK	T-D1600	7155	0000024	C13063	0000974	C0027530
SCT	363654007	Orbital structure	ORBIT	T-D14AE	53074	0002482	C12347	0001697	C0029180
SCT	15497006	Ovary	OVARY	T-87000	7209	0000384	C12404	0000992	C0029939
SCT	15776009	Pancreas	PANCREAS	T-65000	7198	0000120	C12393	0001264	C0030274
SCT	45289007	Parotid gland	PAROTID	T-61100	59790	0001585	C12427	0001831	C0030580
SCT	64234005	Patella	PATELLA	T-12730	24485	0001374	C33282	0002446	C0030647
SCT	12921003	Pelvis	PELVIS	T-D6000	9578	0000030	C12767	0002355	C0030797
SCT	18911002	Penis	PENIS	T-91000	9707	0000408	C12409	0000989	C0030851
SCT	54066008	Pharynx	PHARYNX	T-55000	46688	0000432	C12425	0001042	C0031354
SCT	62413002	Radius	RADIUS	T-12420	23463	0001357	C12777	0001423	C0034627
SCT	34402009	Rectum	RECTUM	T-59600	14544	0000336	C12390	0001052	C0034896
SCT	113197003	Rib	RIB	T-11300	7574	0000315	C12782	0002228	C0035561
SCT	79601000	Scapula	SCAPULA	T-12280	13394	0001330	C12783	0006849	C0036277
SCT	18619003	Sclera	SCLERA	T-AA110	58269	0000280	C12784	0001773	C0036410
SCT	20233005	Scrotum	SCROTUM	T-98000	18252	0000409	C12785	0001300	C0036471
SCT	16982005	Shoulder	SHOULDER	T-D2220	25202	0000038	C25203	0001467	C0037004
SCT	89546000	Skull	SKULL	T-11100	46565	0000316	C12789	0003128	C0037303
SCT	78961009	Spleen	SPLEEN	T-C3000	7196	0000141	C12432	0002106	C0037993
SCT	56873002	Sternum	STERNUM	T-11210	7485	0001331	C12793	0000975	C0038293
SCT	53620006	Temporomandibular joint	TMJ	T-15290	54832	0002899	C32888	0003700	C0039493
SCT	40689003	Testis	TESTIS	T-94000	7210	0000411	C12412	0000473	C0039597
SCT	68367000	Thigh	THIGH	T-D9100	24967	0000052	C33763	0000376	C0039866
SCT	76505004	Thumb	THUMB	T-D8810	24938	0000454	C52834	0001463	C0040067
SCT	9875009	Thymus	THYMUS	T-C8000	9607	0000142	C12433	0002370	C0040113
SCT	69748006	Thyroid	THYROID	T-B6000	9603	0000129	C12400	0002046	C0040132
SCT	12611008	Tibia	TIBIA	T-12740	24476	0001361	C12800	0000979	C0040184
SCT	29707007	Toe	TOE	T-D9800	25046	0000048	C33788	0001466	C0040357
SCT	21974007	Tongue	TONGUE	T-53000	54640	0000347	C12422	0001723	C0040408
SCT	23416004	Ulna	ULNA	T-12430	23466	0001358	C12809	0001424	C0041600
SCT	40983000	Upper arm	ARM	T-D8200	24890	0000033	C32141	0001460	C0446516
SCT	87953007	Ureter	URETER	T-73000	9704	0000378	C12416	0000056	C0041951
SCT	13648007	Urethra	URETHRA	T-75000	19667	0000379	C12417	0000057	C0041967
SCT	35039007	Uterus	UTERUS	T-83000	17558	0000389	C12405	0000995	C0042149
SCT	76784001	Vagina	VAGINA	T-82000	19949	0000394	C12407	0000996	C0042232
SCT	45292006	Vulva	VULVA	T-81000	20462	0000395	C12408	0000997	C0042993

Note

Since the Adult Mouse Anatomy Ontology is not in the UMLS, the mapping of Mouse Anatomy codes described here is an extract of a mapping to the NCI Thesaurus described in Hayamizu TF, de Coronado S, Fragoso G, Sioutos N, Kadin JA, Ringwald M. The mouse-human anatomy ontology mapping project. Database: The Journal of Biological Databases and Curation 2012;2012:bar066. doi:10.1093/database/bar066. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3308156/. The mapping files used can be found at ftp://ftp.informatics.jax.org/pub/reports/ma2ncit.obo.

The NCI Thesaurus codes were then used to look up corresponding concepts in UMLS, from which SNOMED and FMA codes were extracted automatically (and various conflicts and ambiguities resolved manually). The same correspondence to existing Body Part Examined values is used as in other tables in this Annex.

Another mapping project using the FMA as a reference ontology was not used, since the files were not available. See Zhang S, Bodenreider O. Alignment of Multiple Ontologies of Anatomy: Deriving Indirect Mappings from Direct Mappings to a Reference. AMIA Annual Symposium Proceedings 2005;2005:864-868 http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1560629/.

Table L-4. Correspondence between Animal-specific and Generic NCI Thesaurus Codes

Code Meaning	Generic NCIt ID	Generic UMLS Concept UniqueID	Mouse-specific NCIt ID	Mouse-specific UMLS Concept UniqueID	Rat-specific NCIt ID	Rat-specific UMLS Concept UniqueID
Adrenal gland	C12666	C0001625	C22635	C1515888	C60540	C1882555
Ankle joint	C32078	C0003087				
Aorta	C12669	C0003483	C23600		C60541	C1882561
Bladder	C12414	C0005682	C22729	C1511191	C60634	C1882899
Brain	C12439	C0006104	C22606	C1521713	C60544	C1882598
Breast	C12367	C0929301	C22549	C1512980	C60585	C1882771
Bronchus	C12683	C0006255	C24050	C1518036	C60546	C1882603
Buccal region of face	C13070	C0007966	C23972			
Calcaneus	C32250	C0006655				
Carotid Artery	C12687	C0007272	C23618			
Cerebellum	C12445	C0007765	C22609	C1522278	C60550	C1882617
Cervix	C12311	C0007874			C60635	C1882903
Clavicle	C12695	C0008913	C23626			
Coccyx	C12696	C0009194				
Colon	C12382	C0009368	C22528	C1522281	C60554	C1882628
Cornea	C12342	C0010031	C22717	C2700413		
Coronary artery	C12843	C0205042	C23773			
Digit	C40186	C0582802				
Duodenum	C12263	C0013303	C22523	C1522711	C60558	C1882648
Elbow joint	C32497	C0013770				
Esophagus	C12389	C0014876	C22509	C1516967	C60563	C1882662
Extremity	C12429	C0015385	C23363			
Eye	C12401	C0015392	C22711	C1517081	C60565	C1882665
Eyelid	C12713	C0015426	C23644		C60566	C1882666
Face	C13071	C0015450	C23973			
Femur	C12717	C0015811	C23648		C60567	C1882669
Fibula	C12718	C0016068	C23649			

Code Meaning	Generic NCIt ID	Generic UMLS Concept UniqueID	Mouse-specific NCIt ID	Mouse-specific UMLS Concept UniqueID	Rat-specific NCIt ID	Rat-specific UMLS Concept UniqueID
Finger	C32608	C0016129				
Foot	C32622	C0016504				
Frontal sinus	C12277	C0016734	C23210			
Gallbladder	C12377	C0016976	C23312			
Hand	C32712	C0018563				
Head	C12419	C0018670	C23353			
Head and Neck	C12418	C0460004	C23352			
Heart	C12727	C0018787	C22498	C1512359	C60571	C1882687
Hip joint	C32742	C0019558				
Humerus	C12731	C0020164	C23662			
Ileum	C12387	C0020885	C22525	C1522516	C60573	C1882700
Ilium	C32765	C0020889				
Jaw region	C48821	C0022359	C22683	C1511239		
Jejunum	C12388	C0022378	C22524	C1522714	C60575	C1882710
Kidney	C12415	C0022646	C22730	C1517673	C60577	C1882714
Liver	C12392	C0023884	C22515	C1517914	C60581	C1882726
Lower leg	C32974	C1140621				
Lung	C12468	C0024109	C22600	C1518039	C60582	C1882727
Mandible	C12290	C0024687	C23223			
Maxilla	C26470	C0024947				
Navicular of forefoot	C12854	C0223724				
Neck	C13063	C0027530	C23965			
Orbital structure	C12347	C0029180	C23282		C60594	C1882803
Ovary	C12404	C0029939	C22656	C1518753	C60595	C1882808
Pancreas	C12393	C0030274	C24044	C1518865	C60597	C1882810
Parotid gland	C12427	C0030580	C22504	C1527051	C60600	C1882814
Patella	C33282	C0030647				
Pelvis	C12767	C0030797	C23698			
Penis	C12409	C0030851	C22172	C1518951		
Pharynx	C12425	C0031354	C22507	C1519041		
Radius	C12777	C0034627	C23708			
Rectum	C12390	C0034896	C22532	C1522513	C60609	C1882833
Rib	C12782	C0035561	C23713			
Scapula	C12783	C0036277	C23714			
Sclera	C12784	C0036410	C23715			
Scrotum	C12785	C0036471	C22176	C1519206		
Shoulder	C25203	C0037004				
Skull	C12789	C0037303	C22684	C1522418		
Spleen	C12432	C0037993	C22556	C1519474	C60621	C1882867

Code Meaning	Generic NCIt ID	Generic UMLS Concept UniqueID	Mouse-specific NCIt ID	Mouse-specific UMLS Concept UniqueID	Rat-specific NCIt ID	Rat-specific UMLS Concept UniqueID
Sternum	C12793	C0038293	C23724		C60622	C1882873
Temporomandibular joint	C32888	C0039493				
Testis	C12412	C0039597	C22178	C1515315	C60625	C1882878
Thigh	C33763	C0039866				
Thumb	C52834	C0040067				
Thymus	C12433	C0040113	C22553	C1515438	C60627	C1882880
Thyroid	C12400	C0040132	C22650	C1522142	C60628	C1882881
Tibia	C12800	C0040184	C23731			
Toe	C33788	C0040357				
Tongue	C12422	C0040408	C22508	C1519545	C60629	C1882882
Ulna	C12809	C0041600	C23740			
Upper arm	C32141	C0446516				
Ureter	C12416	C0041951	C22738	C1519822	C60632	C1882897
Urethra	C12417	C0041967	C22739	C1519824	C60633	C1882898
Uterus	C12405	C0042149	C22671	C1519876	C60636	C1882904
Vagina	C12407	C0042232	C22676	C1519910	C60637	C1882906
Vulva	C12408	C0042993	C22677	C1520067		

Note

For the mouse, NCIt contains some duplicate anatomical concepts, including those which have been marked inactive and appear to have been replaced with improved codes for the "Mouse Models of Human Cancers Consortium" (MMHCC). Whenever duplicates were found, the MMHCC concept has been used in this table.

This table was produced by searching NCIt for all concepts that had "mouse" or "rat" in their concept name or synonyms, and then using that synonym with the word "mouse" or "rat" removed, to match against generic concept names.

The NCI Thesaurus codes were then used to look up corresponding concepts in UMLS, though not all of the concepts are included in UMLS yet (especially the MMHCC concepts).

Table L-5. Pairedness of Anatomic Concepts

SNOMED Code Value	Code Meaning	Paired Structure
77012006	Amniotic fluid	N
113345001	Abdomen	N
416949008	Abdomen and Pelvis	N
7832008	Abdominal aorta	N
85856004	Acromioclavicular joint	Y
23451007	Adrenal gland	Y
70258002	Ankle joint	Y
128585006	Anomalous pulmonary vein	N
128553008	Antecubital vein	Y
194996006	Anterior cardiac vein	N

SNOMED Code Value	Code Meaning	Paired Structure
60176003	Anterior cerebral artery	Y
8012006	Anterior communicating artery	N
17388009	Anterior spinal artery	N
68053000	Anterior tibial artery	Y
110612005	Anus, rectum and sigmoid colon	N
15825003	Aorta	N
57034009	Aortic arch	N
128551005	Aortic fistula	N
128564006	Apex of left ventricle	N
86598002	Apex of Lung	Y
128565007	Apex of right ventricle	N
66754008	Appendix	N
51114001	Artery	Y
54247002	Ascending aorta	N
9040008	Ascending colon	N
59652004	Atrium	Y
91470000	Axilla	Y
67937003	Axillary Artery	Y
68705008	Axillary vein	Y
72107004	Azygos vein	N
77568009	Back	N
128981007	Baffle	N
59011009	Basilar artery	N
28273000	Bile duct	N
89837001	Bladder	N
110837003	Bladder and urethra	N
91830000	Body conduit	N
128548003	Boyd's perforating vein	Y
17137000	Brachial artery	Y
20115005	Brachial vein	Y
12738006	Brain	N
76752008	Breast	Y
34411009	Broad ligament	N
955009	Bronchus	Y
60819002	Buccal region of face	N
46862004	Buttock	Y
80144004	Calcaneus	Y
53840002	Calf of leg	Y
2334006	Calyx	N
69105007	Carotid Artery	Y
21479005	Carotid Bulb	Y
57850000	Celiac artery	N

SNOMED Code Value	Code Meaning	Paired Structure
20699002	Cephalic vein	Y
113305005	Cerebellum	Y
88556005	Cerebral artery	Y
372073000	Cerebral hemisphere	Y
122494005	Cervical spine	N
297171002	Cervico-thoracic spine	N
71252005	Cervix	N
60819002	Cheek	Y
51185008	Chest	N
416775004	Chest, Abdomen and Pelvis	N
416550000	Chest and Abdomen	N
80621003	Choroid Plexus	Y
11279006	Circle of Willis	N
51299004	Clavicle	Y
64688005	Coccyx	N
71854001	Colon	N
253276007	Common atrium	N
32062004	Common carotid artery	Y
181347005	Common femoral artery	Y
397363009	Common femoral vein	Y
73634005	Common iliac artery	Y
46027005	Common iliac vein	Y
45503006	Common ventricle	N
128555001	Congenital coronary artery fistula to left atrium	N
128556000	Congenital coronary artery fistula to left ventricle	N
128557009	Congenital coronary artery fistula to right atrium	N
128558004	Congenital coronary artery fistula to right ventricle	N
111289009	Congenital pulmonary arteriovenous fistula	N
28726007	Cornea	Y
41801008	Coronary artery	N
90219004	Coronary sinus	N
32672002	Descending aorta	N
32622004	Descending colon	N
128554002	Dodd's perforating vein	Y
38848004	Duodenum	N
117590005	Ear	Y
16953009	Elbow joint	Y
51114001	Endo-arterial	N
80891009	Endo-cardiac	N
32849002	Endo-esophageal	N
2739003	Endometrium	N
53342003	Endo-nasal	N

SNOMED Code Value	Code Meaning	Paired Structure
18962004	Endo-nasopharyngeal	N
34402009	Endo-rectal	N
64033007	Endo-renal	N
87953007	Endo-ureteric	N
13648007	Endo-urethral	N
76784001	Endo-vaginal	N
59820001	Endo-vascular	N
29092000	Endo-venous	N
48367006	Endo-vesical	N
38266002	Entire body	N
87644002	Epididymis	Y
27947004	Epigastric region	N
32849002	Esophagus	N
110861005	Esophagus, stomach and duodenum	N
84301002	External auditory canal	Y
22286001	External carotid artery	Y
113269004	External iliac artery	Y
63507001	External iliac vein	Y
71585003	External jugular vein	Y
66019005	Extremity	Y
81745001	Eye	Y
80243003	Eyelid	Y
89545001	Face	N
23074001	Facial artery	Y
91397008	Facial bones	N
7657000	Femoral artery	Y
83419000	Femoral vein	Y
71341001	Femur	Y
7569003	Finger	Y
58602004	Flank	N
79361005	Fontanel of skull	N
56459004	Foot	Y
14975008	Forearm	Y
35918002	Fourth ventricle	N
28231008	Gallbladder	N
110568007	Gastric vein	Y
128559007	Genicular artery	Y
300571009	Gestational sac	N
46862004	Gluteal region	Y
5928000	Great cardiac vein	N
60734001	Great saphenous vein	Y
85562004	Hand	Y

SNOMED Code Value	Code Meaning	Paired Structure
69536005	Head	N
774007	Head and Neck	N
80891009	Heart	N
76015000	Hepatic artery	Y
8993003	Hepatic vein	Y
24136001	Hip joint	Y
85050009	Humerus	Y
128560002	Hunterian perforating vein	Y
11708003	Hypogastric region	N
81502006	Hypopharynx	N
34516001	Ileum	N
299716001	Iliac and/or femoral artery	Y
10293006	Iliac artery	Y
244411005	Iliac vein	Y
22356005	Ilium	Y
195416006	Inferior cardiac vein	N
51249003	Inferior left pulmonary vein	N
33795007	Inferior mesenteric artery	N
113273001	Inferior right pulmonary vein	N
64131007	Inferior vena cava	N
26893007	Inguinal region	Y
12691009	Innominate artery	N
8887007	Innominate vein	Y
361078006	Internal Auditory Canal	Y
86117002	Internal carotid artery	Y
90024005	Internal iliac artery	Y
12123001	Internal jugular vein	Y
69327007	Internal mammary artery	Y
52731004	Intra-abdominal	N
131183008	Intra-articular	N
1101003	Intracranial	N
32849002	Intra-esophageal	N
21844003	Intra-pelvic	N
51185008	Intra-thoracic	N
661005	Jaw region	N
21306003	Jejunum	N
39352004	Joint	Y
128563000	Juxtaposed atrial appendage	N
64033007	Kidney	N
72696002	Knee	N
59749000	Lacrimal artery	Y
128979005	Lacrimal artery of right eye	N

SNOMED Code Value	Code Meaning	Paired Structure
14742008	Large intestine	N
4596009	Larynx	N
66720007	Lateral Ventricle	Y
82471001	Left atrium	N
33626005	Left auricular appendage	N
9775002	Left carotid sinus	N
113270003	Left femoral artery	N
273202007	Left hepatic vein	N
133945003	Left hypochondriac region	N
85119005	Left inguinal region	N
68505006	Left lower quadrant of abdomen	N
133943005	Left lumbar region	N
70253006	Left portal vein	N
50408007	Left pulmonary artery	N
86367003	Left upper quadrant of abdomen	N
87878005	Left ventricle	N
70238003	Left ventricle inflow	N
128570000	Left ventricle outflow chamber	N
13418002	Left ventricle outflow tract	N
113264009	Lingual artery	Y
10200004	Liver	N
19100000	Lower inner quadrant of breast	Y
30021000	Lower leg	Y
33564002	Lower outer quadrant of breast	Y
34635009	Lumbar artery	Y
52612000	Lumbar region	Y
122496007	Lumbar spine	N
297173004	Lumbo-sacral spine	N
91747007	Lumen of blood vessel	N
39607008	Lung	Y
91609006	Mandible	N
59066005	Mastoid bone	Y
70925003	Maxilla	Y
72410000	Mediastinum	N
86570000	Mesenteric artery	N
128583004	Mesenteric vein	N
17232002	Middle cerebral artery	Y
273099000	Middle hepatic vein	N
243977002	Morisons pouch	N
123851003	Mouth	N
74386004	Nasal bone	Y
360955006	Nasopharynx	N

SNOMED Code Value	Code Meaning	Paired Structure
45048000	Neck	N
416319003	Neck, Chest, Abdomen and Pelvis	N
416152001	Neck, Chest and Abdomen	N
417437006	Neck and Chest	N
45206002	Nose	N
31145008	Occipital artery	Y
32114007	Occipital vein	Y
113346000	Omental bursa	N
27398004	Omentum	N
53549008	Ophthalmic artery	Y
55024004	Optic canal	Y
363654007	Orbital structure	Y
15497006	Ovary	Y
15776009	Pancreas	N
69930009	Pancreatic duct	N
110621006	Pancreatic duct and bile duct systems	N
2095001	Paranasal sinus	Y
91691001	Parasternal	N
111002	Parathyroid	Y
45289007	Parotid gland	Y
64234005	Patella	Y
83330001	Patent ductus arteriosus	N
12921003	Pelvis	N
416631005	Pelvis and lower extremities	N
282044005	Penile artery	Y
18911002	Penis	N
38864007	Perineum	N
8821006	Peroneal artery	Y
54066008	Pharynx	N
312535008	Pharynx and larynx	N
78067005	Placenta	N
43899006	Popliteal artery	Y
32361000	Popliteal fossa	Y
56849005	Popliteal vein	Y
32764006	Portal vein	N
70382005	Posterior cerebral artery	Y
43119007	Posterior communicating artery	Y
128569001	Posterior medial tributary	N
13363002	Posterior tibial artery	Y
14944004	Primitive aorta	N
91707000	Primitive pulmonary artery	N
31677005	Profunda femoris artery	Y

SNOMED Code Value	Code Meaning	Paired Structure
23438002	Profunda femoris vein	Y
41216001	Prostate	N
81040000	Pulmonary artery	Y
128584005	Pulmonary artery conduit	N
128586007	Pulmonary chamber of cor triatriatum	N
122972007	Pulmonary vein	Y
128566008	Pulmonary vein confluence	N
128567004	Pulmonary venous atrium	N
45631007	Radial artery	Y
62413002	Radius	Y
110535000	Radius and ulna	Y
53843000	Rectouterine pouch	N
34402009	Rectum	N
2841007	Renal artery	Y
25990002	Renal pelvis	Y
56400007	Renal vein	Y
82849001	Retroperitoneum	N
113197003	Rib	Y
73829009	Right atrium	N
68300000	Right auricular appendage	N
69833005	Right femoral artery	N
272998002	Right hepatic vein	N
133946002	Right hypochondriac region	N
37117007	Right inguinal region	N
48544008	Right lower quadrant of abdomen	N
133944004	Right lumbar region	N
73931004	Right portal vein	N
78480002	Right pulmonary artery	N
50519007	Right upper quadrant of abdomen	N
53085002	Right ventricle	N
8017000	Right ventricle inflow	N
128572008	Right ventricle outflow chamber	N
44627009	Right ventricle outflow tract	N
39723000	Sacroiliac joint	Y
54735007	Sacrum	N
128587003	Saphenofemoral junction	Y
362072009	Saphenous vein	Y
41695006	Scalp	N
79601000	Scapula	Y
18619003	Sclera	Y
20233005	Scrotum	Y
42575006	Sella turcica	N

SNOMED Code Value	Code Meaning	Paired Structure
64739004	Seminal vesicle	N
58742003	Sesamoid bones of foot	Y
16982005	Shoulder	Y
60184004	Sigmoid colon	N
89546000	Skull	N
30315005	Small intestine	N
2748008	Spinal cord	N
421060004	Spine	N
78961009	Spleen	N
22083002	Splenic artery	N
35819009	Splenic vein	N
7844006	Sternoclavicular joint	Y
56873002	Sternum	N
69695003	Stomach	N
36765005	Subclavian artery	Y
9454009	Subclavian vein	Y
19695001	Subcostal	Y
5713008	Submandibular area	Y
54019009	Submandibular gland	Y
170887008	Submental	N
5076001	Subxiphoid	N
181349008	Superficial femoral artery	Y
397364003	Superficial femoral vein	Y
15672000	Superficial temporal artery	Y
43863001	Superior left pulmonary vein	N
42258001	Superior mesenteric artery	N
8629005	Superior right pulmonary vein	N
72021004	Superior thyroid artery	Y
48345005	Superior vena cava	N
77621008	Supraclavicular region of neck	Y
11708003	Suprapubic region	N
26493002	Suprasternal notch	N
128589000	Systemic collateral artery to lung	N
128568009	Systemic venous atrium	N
27949001	Tarsal joint	Y
53620006	Temporomandibular joint	Y
40689003	Testis	Y
42695009	Thalamus	Y
68367000	Thigh	Y
49841001	Third ventricle	N
113262008	Thoracic aorta	N
122495006	Thoracic spine	N

SNOMED Code Value	Code Meaning	Paired Structure
297172009	Thoraco-lumbar spine	N
51185008	Thorax	N
76505004	Thumb	Y
9875009	Thymus	N
69748006	Thyroid	N
12611008	Tibia	Y
110536004	Tibia and fibula	Y
29707007	Toe	Y
21974007	Tongue	N
44567001	Trachea	N
110726009	Trachea and bronchus	N
485005	Transverse colon	N
61959006	Truncus arteriosus communis	N
57850000	Truncus coeliacus	N
23416004	Ulna	Y
44984001	Ulnar artery	Y
50536004	Umbilical artery	N
90290004	Umbilical region	N
284639000	Umbilical vein	N
40983000	Upper arm	Y
77831004	Upper inner quadrant of breast	Y
76365002	Upper outer quadrant of breast	Y
431491007	Upper urinary tract	N
87953007	Ureter	Y
13648007	Urethra	N
35039007	Uterus	N
110639002	Uterus and fallopian tubes	N
76784001	Vagina	N
118375008	Vascular graft	N
29092000	Vein	Y
34340008	Venous network	N
21814001	Ventricle	Y
85234005	Vertebral artery	Y
110517009	Vertebral column and cranium	N
45292006	Vulva	N
74670003	Wrist joint	Y
13881006	Zygoma	Y

M German Language Meanings of Selected Codes Used in The DCMR (Normative)

Table M-1. German Language Meanings of Selected Codes

Coding Scheme Designator	Code Value	Code Meaning English Language	Code Meaning German Language
LN	11528-7	Radiology Report	Radiologischer Befundbericht
LN	55114-3	Prior Procedure Descriptions	Frühere Untersuchungen
SCT	364320009	Pregnancy observable	Schwangerschaft
LN	18785-6	Indications for Procedure	Indikationen für die Untersuchung
DCM	123014	Target Region	Körperregion
LN	55111-9	Current Procedure Descriptions	Untersuchungstechnik
DCM	111060	Study Date	Datum der Untersuchung
DCM	111061	Study Time	Zeitpunkt der Untersuchung
DCM	110180	Study Instance UID	Study Instance UID
LN	11329-0	History	Krankengeschichte
LN	55115-0	Request	Fragestellung
DCM	121071	Finding	Beschreibung
LN	19005-8	Impressions	Wertungen
DCM	121075	Recommendation	Empfehlung
DCM	113850	Irradiation Authorizing	Indikationsstellender Arzt
DCM	113921	Radiation Exposure	Strahlenexposition
SCT	440252007	Administration of radiopharmaceutical	Verabreichter radioaktiver Stoff
DCM	113923	Radiation Exposure and Protection Information	Informationen zum Strahlenschutz

N Externally Defined Value Sets (Informative)

This annex identifies those Value Sets defined externally to the DICOM Standard that are referenced by the Standard. These value sets are reproduced here for reference only, and might not be the current version.

These value sets use codes from various coding schemes or code systems, as identified in Section 8.

N.1 HL7 Value Sets

HL7 Value Sets are reproduced with the permission of HL7 International. For the current version of HL7 Value Sets, see the HL7v3 Normative Edition (http://www.hl7.org/implement/standards/product_brief.cfm?product_id=186).

Table N.1-1. HL7 Value Sets

Value Set Name	OID	Notes
ActPriority	2.16.840.1.113883.11.16866	
AdministrativeGender	2.16.840.1.113883.11.1	
HumanLanguages	2.16.840.1.113883.11.11526	Equivalent to CID 5000
ImageMediaType	2.16.840.1.113883.11.14839	
NullFlavor	2.16.840.1.113883.11.10609	
ObservationInterpretation	2.16.840.1.113883.11.78	
x_BasicConfidentialityKind	2.16.840.1.113883.11.16926	
x_serviceEventPerformer	2.16.840.1.113883.11.19601	

N.1.1 ActPriority Value Set

Value Set: **ActPriority 2.16.840.1.113883.11.16866**
Code System(s): **ActPriority 2.16.840.1.113883.5.7**

Table N.1.1-1. ActPriority Value Set

Code	Code System	Print Name
A	ActPriority	ASAP
CR	ActPriority	Callback results
CS	ActPriority	Callback for scheduling
CSP	ActPriority	Callback placer for scheduling
CSR	ActPriority	Contact recipient for scheduling
EL	ActPriority	Elective
EM	ActPriority	Emergency
P	ActPriority	Preoperative
PRN	ActPriority	As needed
R	ActPriority	Routine
RR	ActPriority	Rush reporting
S	ActPriority	Stat
T	ActPriority	Timing critical
UD	ActPriority	Use as directed
UR	ActPriority	Urgent

N.1.2 AdministrativeGender Value Set

Value Set: **AdministrativeGender 2.16.840.1.113883.11.1**
Code System(s): **AdministrativeGender 2.16.840.1.113883.5.1**

Table N.1.2-1. AdministrativeGender Value Set

Code	Code System	Print Name
F	AdministrativeGender	Female
M	AdministrativeGender	Male
UN	AdministrativeGender	Undifferentiated

N.1.3 ImageMediaType Value Set

Value Set: **HL7 ImageMediaType 2.16.840.1.113883.11.14839**
Code System(s): **mediaType 2.16.840.1.113883.5.79**

Table N.1.3-1. ImageMediaType Value Set

Code	Code System	Print Name
image/g3fax	mediaType	g3fax
image/gif	mediaType	gif
image/jpeg	mediaType	jpeg
image/png	mediaType	png
image/tiff	mediaType	tiff

N.1.4 NullFlavor Value Set

Value Set: **HL7 NullFlavor 2.16.840.1.113883.11.10609**
Code System(s): **NullFlavor 2.16.840.1.113883.5.1008**

Table N.1.4-1. NullFlavor Value Set

Code	Code System	Print Name
NI	NullFlavor	No Information
OTH	NullFlavor	other
NINF	NullFlavor	negative infinity
PINF	NullFlavor	positive infinity
UNK	NullFlavor	unknown
ASKU	NullFlavor	asked but unknown
NAV	NullFlavor	temporarily unavailable
NASK	NullFlavor	not asked
TRC	NullFlavor	trace
MSK	NullFlavor	masked
NA	NullFlavor	not applicable
NP	NullFlavor	not present

N.1.5 ObservationInterpretation Value Set

Value Set: **HL7 ObservationInterpretation 2.16.840.1.113883.11.78**
Code System(s): **ObservationInterpretation 2.16.840.1.113883.5.83**

Table N.1.5-1. ObservationInterpretation Value Set

Code	Code System	Print Name
B	ObservationInterpretation	better
D	ObservationInterpretation	decreased
U	ObservationInterpretation	increased
W	ObservationInterpretation	worse
<	ObservationInterpretation	low off scale
>	ObservationInterpretation	high off scale
A	ObservationInterpretation	Abnormal
AA	ObservationInterpretation	Abnormal alert
HH	ObservationInterpretation	High alert
LL	ObservationInterpretation	Low alert
H	ObservationInterpretation	High
L	ObservationInterpretation	Low
N	ObservationInterpretation	Normal
I	ObservationInterpretation	intermediate
MS	ObservationInterpretation	moderately susceptible
R	ObservationInterpretation	resistent
S	ObservationInterpretation	susceptible
VS	ObservationInterpretation	very susceptible

N.1.6 x_BasicConfidentialityKind Value Set

Value Set: **x_BasicConfidentialityKind 2.16.840.1.113883.11.16926**
Code System(s): **Confidentiality 2.16.840.1.113883.5.25**

Table N.1.6-1. x_BasicConfidentialityKind Value Set

Code	Code System	Print Name
N	Confidentiality	Normal
R	Confidentiality	Restricted
V	Confidentiality	Very Restricted

N.1.7 x_serviceEventPerformer Value Set

Value Set: **HL7 x_serviceEventPerformer 2.16.840.1.113883.11.19601**
Code System(s): **ParticipationType 2.16.840.1.113883.5.90**

Table N.1.7-1. x_serviceEventPerformer Value Set

Code	Code System	Print Name
PRF	ParticipationType	Performer
PPRF	ParticipationType	Principal performer
SPRF	ParticipationType	Secondary performer

N.2 LOINC Value Sets

LOINC Value Sets are available from Regenstrief Institute, Inc. For the current version, see the LOINC web site (http://loinc.org/oids).

Table N.2-1. LOINC Value Sets

Value Set Name	OID	Notes
LOINC Imaging Document Codes	1.3.6.1.4.1.12009.10.2.5	
LOINC Y/N/NA	1.3.6.1.4.1.12009.10.1.163	LL2850-7

N.2.1 LOINC Imaging Document Codes (examples)

Value Set: **LOINC Imaging Document Codes 1.3.6.1.4.1.12009.10.2.5**
Code System(s): **LOINC 2.16.840.1.113883.6.1**

Table N.2.1-1. LOINC Imaging Document Codes (examples)

Code	Code System	Print Name
11525-3	LOINC	US Pelvis and Fetus for pregnancy
17787-3	LOINC	Thyroid Scan Study report
18744-3	LOINC	Bronchoscopy study
18746-8	LOINC	Colonoscopy study
18748-4	LOINC	Diagnostic imaging study
…		

N.2.2 LOINC Y/N/NA

Value Set: **LOINC Y/N/NA 1.3.6.1.4.1.12009.10.1.163**
Code System(s): **LOINC 2.16.840.1.113883.6.1**

Table N.2.2-1. LOINC Y/N/NA

Code	Code System	Print Name
LA33-6	LOINC	Yes
LA32-8	LOINC	No
LA4720-4	LOINC	Not Applicable

O SNOMED Concept ID to SNOMED ID Mapping

Table O-1. SNOMED Concept ID to SNOMED ID Mapping

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
111002	T-B7000	Parathyroid structure (body structure)
125001	C-B1123	Ferrous sulfate Fe^59^ (substance)
187006	C-B1021	Cyanocobalamin Co^57^ (substance)
270002	S-101A9	Female first cousin (person)
271003	A-12010	Bone plate, device (physical object)
283001	T-C4730	Structure of central axillary lymph node (body structure)
300004	L-80861	Miniature schnauzer (organism)
345000	T-32830	Atrioventricular bundle structure (body structure)
368009	D3-10800	Heart valve disorder (disorder)
400003	L-80156	Pinzgauer cattle breed (organism)
432003	C-22972	Carminic acid stain (substance)
439007	C-B1010	Therapeutic radioisotope (product)
461002	T-A7093	Structure of lateral corticospinal tract (body structure)
485005	T-59440	Transverse colon structure (body structure)
507002	L-80833	Standard poodle (organism)
524008	G-A443	Multifocal (qualifier value)
583000	L-80902	Wirehaired vizsla (organism)
589001	T-32410	Interventricular septum structure (body structure)
606003	L-80703	Terrier (organism)
661005	T-D1213	Jaw region structure (body structure)
684003	L-80213	Pygmy goat (organism)
739006	A-17230	Bicycle ergometer, device (physical object)
774007	T-D1000	Head and neck structure (body structure)
795002	G-A140	Deep (qualifier value)
796001	C-80330	Digoxin (product)
873008	C-29020	Urethan (substance)
925002	C-B0325	Sodium iodipamide (substance)
944009	L-80175	Brown Welsh cattle breed (organism)
955009	T-26000	Bronchial structure (body structure)
976004	T-48780	Structure of ovarian vein (body structure)
1006005	L-80438	Percheron horse (organism)
1101003	T-D1400	Cranial cavity structure (body structure)
1118004	L-80462	Viking horse (organism)
1166006	C-16600	Titanium (substance)
1182007	C-81100	Hypotensive agent (product)
1193009	T-13640	Structure of teres major muscle (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
1194003	P0-30450	Disease condition determination, well controlled (finding)
1211003	A-17222	Treadmill, device (physical object)
1231004	T-A1110	Meninges structure (body structure)
1240000	F-10310	Prone body position (finding)
1247002	L-80419	Clydesdale horse (organism)
1250004	G-A316	Decreased (qualifier value)
1307006	T-24440	Glottis structure (body structure)
1346008	C-22921	Blue shade eosin stain (substance)
1368003	C-114B1	^131^Iodine (substance)
1386000	D3-89100	Intracranial hemorrhage (disorder)
1420005	L-80821	German longhaired pointer (organism)
1439000	T-C46A0	Structure of paravesicular lymph node (body structure)
1483009	G-A160	Angular (qualifier value)
1514007	L-80715	Bedlington terrier (organism)
1522000	M-01470	Plaque (morphologic abnormality)
1663004	G-F212	G2 grade (finding)
1710001	F-61470	Uric acid (substance)
1732005	T-C6510	Thoracic duct structure (body structure)
1789009	L-80461	Trakehner horse (organism)
1809004	L-80A40	Rex cat breed (organism)
1896004	D4-48014	Ectopic breast tissue (disorder)
1918003	T-42510	Structure of suprarenal aorta (body structure)
1929004	M-95913	Non-Hodgkin lymphoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
1974006	L-80840	Retriever (organism)
2008008	C-131A2	^67^Gallium (substance)
2048000	T-C5140	Lingual tonsil structure (body structure)
2062007	L-80770	Dachshund superbreed of dog (organism)
2088005	C-22898	Page blue G-90 stain (substance)
2092003	M-87203	Malignant melanoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
2095001	T-22000	Nasal sinus structure (body structure)
2099007	M-91200	Hemangioma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
2124007	L-80341	Rambouillet sheep (organism)
2159007	C-22831	Azorubin S stain (substance)
2160002	T-42370	Structure of ligamentum arteriosum (body structure)
2272004	S-10154	Half-sister (person)
2282003	A-04830	Breast prosthesis, device (physical object)
2309006	C-14600	Gold (substance)
2334006	T-72100	Structure of calyx (body structure)
2400006	T-54410	Structure of mandibular left first premolar tooth (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
2424003	M-88003	Sarcoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
2705002	C-115A2	^72^Arsenic (substance)
2739003	T-83400	Endometrial structure (body structure)
2748008	T-A7010	Spinal cord structure (body structure)
2812003	T-12711	Structure of head of femur (body structure)
2841007	T-46600	Structure of renal artery (body structure)
2869004	C-21624	Acetic acid (substance)
2942001	C-B1302	Carbon^14^ D-xylose (substance)
2985005	M-85403	Paget's disease, mammary (morphologic abnormality)
3027009	C-122A5	^133^Barium (substance)
3040004	C-B1207	Technetium Tc^99m^ disofenin (substance)
3058005	T-A0140	Peripheral nervous system structure (body structure)
3099004	L-80345	Romney marsh sheep (organism)
3120008	T-29000	Pleural membrane structure (body structure)
3159004	T-46180	Structure of costocervical trunk (body structure)
3216001	L-80146	Lincoln red cattle breed (organism)
3227004	T-43107	Left coronary artery main stem (body structure)
3236000	T-28220	Structure of posterior segment of right upper lobe of lung (body structure)
3243006	T-C4660	Structure of parametrial lymph node (body structure)
3260001	L-80568	Duroc pig (organism)
3325005	F-63390	Lipopolysaccharide (substance)
3347005	L-80778	Dandie Dinmont terrier (organism)
3354004	L-80A15	Havana brown cat (organism)
3361000	C-A6700	Anti-heparin agent (product)
3415004	M-04100	Cyanosis (finding)
3430008	J-06173	Radiation therapist (occupation)
3566006	L-80347	Southdown sheep (organism)
3583002	G-A108	Caudal (qualifier value)
3653002	L-80A08	Balinese cat (organism)
3674001	L-80876	Siberian huskie (organism)
3839000	M-83143	Lipid-rich carcinoma (morphologic abnormality)
3916005	T-C4110	Structure of occipital lymph node (body structure)
3921008	L-80707	Airedale terrier (organism)
3924000	T-46210	Structure of pericardiophrenic artery (body structure)
3932008	C-127A2	^64^Copper (substance)
3937002	T-A2594	Structure of entorhinal cortex (body structure)
3954005	T-AA940	Lacrimal sac structure (body structure)
3960005	T-A2920	Olfactory tract structure (body structure)
3995008	L-80A30	Manx (organism)
3997000	L-80450	Pony (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
4042003	L-80A57	Somali cat (organism)
4147007	M-03000	Mass (morphologic abnormality)
4258007	T-49620	Structure of posterior tibial vein (body structure)
4317002	T-14050	Structure of spinalis muscle (body structure)
4382004	C-81120	Centrally acting hypotensive agent (product)
4386001	F-20250	Bronchospasm (finding)
4432005	T-F6845	Structure of ductus arteriosus (body structure)
4525004	P2-10700	Emergency department patient visit (procedure)
4554005	D3-33000	Intraventricular conduction defect (disorder)
4557003	D3-12700	Preinfarction syndrome (disorder)
4563007	P0-10210	Hospital admission, transfer from other hospital or health care facility (procedure)
4574003	L-80346	Shropshire sheep (organism)
4596009	T-24100	Laryngeal structure (body structure)
4631006	M-82113	Tubular adenocarcinoma (morphologic abnormality)
4656000	C-22963	Alcian blue 8GX stain (substance)
4693006	C-B1012	Chromium^51^ albumin (substance)
4754008	D7-90420	Gynecomastia (disorder)
4832001	C-B1208	Technetium Tc^99m^ mebrofenin (substance)
4942000	T-C4800	Lower limb lymph node structure (body structure)
4958002	T-A3230	Amygdaloid structure (body structure)
4960000	L-80439	Peruvian Paso horse (organism)
5043000	C-22923	Erythrosin Y stain (substance)
5076001	T-D3213	Structure of infrasternal angle (body structure)
5140004	T-54230	Structure of maxillary right first molar tooth (body structure)
5164003	L-80333	Montdale sheep (organism)
5227002	L-80643	Oxford sandy block pig (organism)
5244003	M-85030	Intraductal papilloma (morphologic abnormality)
5296000	T-C4361	Structure of anterior mediastinal lymph node (body structure)
5306005	L-80800	Manchester terrier superbreed (organism)
5366008	T-A2570	Hippocampal structure (body structure)
5394000	T-C4690	Structure of uterine paracervical lymph node (body structure)
5405008	C-144A6	^60^Cobalt (substance)
5438004	L-80206	French alpine goat (organism)
5442001	C-22901	Page blue 83 stain (substance)
5467003	F-21301	Normal respiratory rhythm (finding)
5540006	C-14300	Calcium (substance)
5665001	T-AA610	Retinal structure (body structure)
5692007	C-B1022	Cyanocobalamin Co^58^ (substance)
5712003	G-A530	Sessile (qualifier value)
5713008	T-D1603	Submandibular triangle structure (body structure)
5727003	T-C4240	Structure of anterior cervical lymph node (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
5798000	T-D3400	Diaphragm structure (body structure)
5884001	P1-48350	Mastectomy (procedure)
5916008	L-80777	Dalmatian dog (organism)
5928000	T-48420	Great cardiac vein structure (body structure)
5931004	C-B1222	Technetium Tc^99m^ sulfur colloid (substance)
6041008	G-A485	Flat (qualifier value)
6053007	L-80563	Dekalb hybrid pig line 33 (organism)
6062009	T-54730	Structure of deciduous mandibular right canine tooth (body structure)
6064005	G-D112	Topical route (qualifier value)
6103004	L-807C8	Jack Russell terrier dog breed (organism)
6112002	L-80151	Meusse-Rhine-Ijssel cattle breed (organism)
6217003	T-55320	Structure of piriform recess (body structure)
6220006	L-80422	Galiceno horse (organism)
6229007	T-1115A	Lacrimal bone structure (body structure)
6257000	C-B1176	Sodium chloride Na^22^ (substance)
6301006	C-156A6	^178^Tantalum (substance)
6413002	T-C4680	Structure of presymphysial lymph node (body structure)
6423006	T-13610	Supraspinatus muscle structure (body structure)
6425004	C-51000	Antihistamine (product)
6431001	L-80325	Leicester sheep (organism)
6456007	D3-31290	Supraventricular tachycardia (disorder)
6511003	T-43122	Structure of distal portion of circumflex branch of left coronary artery (body structure)
6516008	C-B1065	Indium^111^-Fe(OH)>3< (substance)
6530003	T-35002	Structure of cardiac valve leaflet (body structure)
6533001	T-59345	Structure of colonic haustra (body structure)
6538005	T-46130	Structure of thyrocervical trunk (body structure)
6574001	M-54000	Necrosis (morphologic abnormality)
6660000	M-72175	Atypical intraductal hyperplasia (morphologic abnormality)
6701008	C-22841	Lissamine fast red B stain (substance)
6703006	D7-90428	Breast lobule hyperplasia (disorder)
6708002	P1-86180	Intrauterine cordocentesis (procedure)
6725000	C-22947	Methylene blue stain (substance)
6736007	G-A002	Moderate (severity modifier) (qualifier value)
6797001	F-31150	Mean blood pressure (observable entity)
6832004	P1-30350	Atherectomy (procedure)
6866008	T-A4950	Structure of habenular commissure (body structure)
6871001	T-39010	Structure of visceral pericardium (body structure)
6973004	C-B1013	Chromium^51^ chloride (substance)
7087005	G-A397	Intermittent (qualifier value)
7121006	T-54220	Structure of maxillary right second molar tooth (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
7140000	C-B0300	Radiographic contrast media (product)
7281000	C-B1209	Technetium Tc^99m^ lidofenin (substance)
7292004	C-B0156	Indocyanine green (product)
7305005	D4-32014	Coarctation of aorta (disorder)
7434003	C-22924	Erythrosin B stain (substance)
7562007	P5-D6000	Radioisotope study of endocrine system (procedure)
7569003	T-D8800	Finger structure (body structure)
7623008	L-80409	American paint horse (organism)
7657000	T-47400	Structure of femoral artery (body structure)
7770004	C-158A6	^89^Strontium (substance)
7771000	G-A101	Left (qualifier value)
7832008	T-42500	Abdominal aorta structure (body structure)
7843000	L-80141	Horned Hereford (organism)
7844006	T-15610	Sternoclavicular joint structure (body structure)
8012006	T-45530	Structure of anterior communicating artery (body structure)
8017000	T-32540	Structure of inflow tract of right ventricle (body structure)
8089006	L-80463	Welsh walking horse (organism)
8128003	T-42110	Supraaortic valve area structure (body structure)
8202008	C-135A3	^43^Potassium (substance)
8205005	T-D8600	Wrist region structure (body structure)
8225009	T-32850	Accessory atrioventricular bundle (body structure)
8227001	C-180A5	^106^Ruthenium (substance)
8334002	T-C4490	Structure of lumbar lymph node (body structure)
8342001	C-22934	Brilliant cresyl blue stain (substance)
8348002	C-97520	Cyclopentolate (product)
8351009	L-807A1	Smooth fox terrier (organism)
8356004	T-C4560	Structure of colic lymph node (body structure)
8360001	M-89400	Pleomorphic adenoma (morphologic abnormality)
8361002	T-1A170	Tunica intima (body structure)
8419007	L-80A20	Domestic longhaired cat (organism)
8429000	C-22865	Brilliant orange stain (substance)
8516002	L-80564	Dekalb hybrid pig line 51 (organism)
8517006	S-32070	Ex-smoker (finding)
8568009	T-C4400	Abdominal lymph node structure (body structure)
8592001	P1-05052	Irrigation following insertion of catheter (procedure)
8598002	T-A8500	Vestibulocochlear nerve structure (body structure)
8629005	T-48510	Structure of superior right pulmonary vein (body structure)
8715000	P0-10010	Hospital admission, elective (procedure)
8722008	D3-29020	Aortic valve disorder (disorder)
8763002	L-80606	German landrace pig (organism)
8821006	T-47630	Structure of peroneal artery (body structure)
8836009	C-22935	Gallocyanine stain (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
8858006	C-B1182	Strontium nitrate Sr^85^ (substance)
8873007	T-54490	Structure of mandibular right second premolar tooth (body structure)
8887007	T-48620	Structure of brachiocephalic vein (body structure)
8926000	C-22946	Azure B stain (substance)
8928004	T-C4810	Inguinal lymph node structure (body structure)
8931003	T-12282	Structure of coracoid process of scapula (body structure)
8970009	L-80605	French landrace pig (organism)
8989009	L-80106	Ayrshire cattle breed (organism)
8993003	T-48720	Structure of hepatic vein (body structure)
8997002	F-32040	Ventricular systole, function (observable entity)
9010006	C-22907	Methyl blue stain (substance)
9040008	T-59420	Ascending colon structure (body structure)
9131007	L-80801	Standard Manchester terrier (organism)
9135003	L-80642	OIC pig (organism)
9190005	C-97580	Tropicamide (product)
9230001	L-80209	Camarron goat (organism)
9265001	P3-05000	Specimen processing (procedure)
9277006	L-80142	Polled Hereford (organism)
9351000	C-160A3	^103^Palladium (substance)
9454009	T-48330	Structure of subclavian vein (body structure)
9528004	L-80843	Flat-coated retriever (organism)
9642004	T-48611	Left superior vena cava (body structure)
9659009	T-C4280	Infraclavicular lymph node (body structure)
9721008	C-6A180	Phencyclidine (substance)
9726003	G-A214	Equal (qualifier value)
9761009	L-80740	Chihuahua superbreed (organism)
9775002	T-45190	Structure of left carotid sinus (body structure)
9875009	T-C8000	Thymus gland structure (body structure)
9904008	D4-30000	Congenital anomaly of cardiovascular system (disorder)
9947008	S-10131	Natural father (person)
9964006	F-10110	Flexion, function (observable entity)
10040000	L-80824	Pomeranian dog (organism)
10119003	T-47340	Structure of deep volar arch of radial artery (body structure)
10136006	L-80A56	Singapura cat (organism)
10200004	T-62000	Liver structure (body structure)
10209003	T-C4140	Structure of parotid lymph node (body structure)
10247008	C-22806	Chrysoidine R stain (substance)
10249006	C-84085	Agar (substance)
10261003	L-80601	Belgium landrace pig (organism)
10293006	T-46700	Structure of iliac artery (body structure)
10337008	F-32400	Incompetence of any valvular structure (finding)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
10369004	L-80729	Briard dog (organism)
10376009	M-80502	Papillary carcinoma in situ (morphologic abnormality)
10517005	T-A3800	External capsule of brain (body structure)
10544000	L-80754	Smooth collie (organism)
10626002	D3-31744	Multifocal premature ventricular complexes (disorder)
10639003	M-97313	Solitary plasmacytoma of bone (morphologic abnormality)
10701001	L-80A17	Javanese cat (organism)
10712001	C-A2010	Glucagon product (product)
10738001	C-162A3	^86^Yttrium (substance)
10740006	C-22958	Sudan blue stain (substance)
10781003	C-B1142	Sodium phosphate P^32^ (substance)
10828004	G-A200	Positive (qualifier value)
10842007	L-807C4	Ibizan hound (organism)
10849003	P1-03176	Removal of foreign body (procedure)
10904000	F-10320	Orthostatic body position (finding)
10944007	F-64460	Taurine (substance)
11000004	T-A3200	Caudate nucleus structure (body structure)
11069001	C-22944	Azure C stain (substance)
11070000	G-A171	Capsular (qualifier value)
11089000	T-A6620	Structure of superior cerebellar peduncle (body structure)
11136004	C-6A16A	Methoxyflurane (substance)
11157007	F-33750	Ventricular bigeminy (disorder)
11161001	L-80567	Dekalb hybrid pig line 77 (organism)
11201005	C-22821	Solochrome black 6B stain (substance)
11279006	T-45520	Structure of circle of Willis (body structure)
11477006	L-80873	Irish setter (organism)
11496005	C-13321	Mercuric chloride (substance)
11554009	F-10130	Adduction, function (observable entity)
11628009	T-A0103	Structure of telencephalon (body structure)
11645004	C-22906	Spirit soluble aniline blue stain (substance)
11671000	M-82003	Adenoid cystic carcinoma (morphologic abnormality)
11708003	T-D4240	Hypogastric region structure (body structure)
11712009	T-54270	Structure of maxillary right lateral incisor tooth (body structure)
11713004	C-10120	Water (substance)
11723008	G-4022	Contact with (contextual qualifier) (qualifier value)
11727009	C-22927	Indophenol from naphthol stain (substance)
11740004	T-C46A1	Structure of prevesicular lymph node (body structure)
11746005	L-80711	Australian cattle dog (organism)
11780008	C-22871	Durazol red stain (substance)
11851006	D3-29010	Mitral valve disorder (disorder)
11896004	G-A114	Intermediate (qualifier value)
11899006	T-C4365	Structure of esophageal lymph node (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
11967001	L-80324	Kerry Hill sheep (organism)
11993008	S-101AA	Male first cousin (person)
12001002	C-22943	Thionine stain (substance)
12030009	C-22807	Sudan II stain (substance)
12052000	T-46980	Structure of ovarian artery (body structure)
12091005	L-80882	Brittany spaniel (organism)
12119009	C-22933	Water soluble nigrosine stain (substance)
12123001	T-48170	Internal jugular vein structure (body structure)
12130007	G-D109	Intra-articular route (qualifier value)
12131006	L-80805	Miniature pinscher dog (organism)
12169001	M-95800	Granular cell tumor (morphologic abnormality)
12196003	T-C4760	Structure of subscapular axillary lymph node (body structure)
12335007	C-B0317	Diatrizoate (product)
12360007	L-80430	Missouri fox trotting horse (organism)
12390000	L-80731	American pit bull terrier (organism)
12402003	M-78060	Scar (morphologic abnormality)
12407009	L-80609	Swedish landrace pig (organism)
12611008	T-12740	Bone structure of tibia (body structure)
12691009	T-46010	Structure of brachiocephalic artery (body structure)
12710003	C-22968	Hematoxylin stain (substance)
12728001	T-C4852	Structure of superficial popliteal lymph node (body structure)
12738006	T-A0100	Brain structure (body structure)
12800002	T-43212	Structure of atrioventricular node branch of right coronary artery (body structure)
12801003	C-B0326	Iodamide meglumine (substance)
12852001	F-10210	Internal rotation, function (observable entity)
12872006	T-11301	Head of rib structure (body structure)
12881000	T-1242A	Bone structure of proximal radius (body structure)
12921003	T-D6000	Pelvic structure (body structure)
12958003	T-A7020	Spinal cord gray matter structure (body structure)
13024002	T-17010	Tendon structure (body structure)
13050003	T-32840	Structure of purkinje fibers (body structure)
13091001	P1-03151	Dilation and curettage (procedure)
13132007	C-A7220	Dextran (product)
13190002	T-D8640	Fetlock region of forelimb (body structure)
13213009	D4-31000	Congenital heart disease (disorder)
13237009	C-142A5	^131^Cesium (substance)
13248002	L-80841	Chesapeake Bay retriever (organism)
13284009	L-80915	Yorkshire terrier (organism)
13363002	T-47600	Structure of posterior tibial artery (body structure)
13383001	T-32004	Structure of apex of heart (body structure)
13418002	T-32650	Structure of outflow tract of left ventricle (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
13482005	T-C4100	Structure of lymph node of head (body structure)
13487004	L-80455	Shire horse (organism)
13544004	L-80131	Belted Galloway cattle breed (organism)
13561001	T-AA910	Lacrimal gland structure (body structure)
13576009	T-F1820	Fetal umbilical vein structure (body structure)
13626001	C-B1172	Selenium^75^-homocholic acid taurine (substance)
13647002	T-43200	Right coronary artery structure (body structure)
13648007	T-75000	Urethral structure (body structure)
13652007	C-22301	Silicone (substance)
13653002	L-D9814	Cestrum parqui (organism)
13662000	P1-36957	Anastomosis of pulmonary-subclavian artery by Blalock-Taussig operation (procedure)
13744001	C-22808	Methyl red stain (substance)
13791008	F-01380	Asthenia (finding)
13881006	T-11166	Zygomatic bone structure (body structure)
13931001	C-15211	Osmium tetroxide (substance)
13934009	L-80339	Panama sheep (organism)
13942005	L-80802	Toy Manchester terrier (organism)
13958008	T-A2860	Structure of superior fronto-occipital fasciculus (body structure)
14016003	T-C1000	Bone marrow structure (body structure)
14063001	L-80579	FHC elite pig 9 (organism)
14071002	C-158A7	^90^Strontium (substance)
14106009	A-11100	Cardiac pacemaker, device (physical object)
14156004	M-32410	Racemose aneurysm (morphologic abnormality)
14205002	F-10346	Lithotomy position (finding)
14245006	L-80848	Rottweiler dog (organism)
14350002	M-76100	Angiomatosis (morphologic abnormality)
14414005	G-A111	Peripheral (qualifier value)
14443002	C-52500	Aminoglycoside -class of antibiotic- (substance)
14502000	F-10226	Supination, function (observable entity)
14510004	T-11307	Structure of angle of rib (body structure)
14529005	C-178A8	^153^Gadolinium (substance)
14537002	M-96503	Hodgkin lymphoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
14544006	C-22894	Methyl violet 6B stain (substance)
14691008	C-162A7	^90^Yttrium (substance)
14738005	T-A3500	Globus pallidus structure (body structure)
14742008	T-59000	Large intestinal structure (body structure)
14766002	P1-03130	Aspiration (procedure)
14770005	T-54770	Structure of deciduous mandibular left lateral incisor tooth (body structure)
14799000	M-80006	Neoplasm, metastatic (morphologic abnormality)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
14804005	F-61380	Creatine (substance)
14806007	T-11610	Bone structure of atlas (body structure)
14876008	L-80815	Pharaoh hound (organism)
14892003	T-A7091	Lateral funiculus structure (body structure)
14910006	F-20010	Inspiration (observable entity)
14944004	T-F7001	Primitive aortic structure (body structure)
14958002	C-22801	Naphthol green B stain (substance)
14975008	T-D8500	Forearm structure (body structure)
14990007	M-92203	Chondrosarcoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
15020009	L-80A52	Domestic shorthaired cat (organism)
15117003	C-A6900	Coagulant (product)
15119000	T-A8780	Accessory nerve structure (body structure)
15158005	A-80230	Air (substance)
15171008	L-80830	Poodle superbreed (organism)
15415002	P1-86520	Injection of amnion (procedure)
15422005	T-54450	Structure of mandibular right central incisor tooth (body structure)
15425007	T-D4400	Peritoneum (serous membrane) structure (body structure)
15443006	L-80663	Yuca pig (organism)
15454001	M-02520	Increased size (finding)
15497006	T-87000	Ovarian structure (body structure)
15508007	G-4043	High risk of (contextual qualifier) (qualifier value)
15529003	C-22908	Rosolic acid sodium salt stain (substance)
15665001	T-14172	Structure of latissimus dorsi muscle (body structure)
15672000	T-45270	Structure of superficial temporal artery (body structure)
15690004	M-31790	Tortuosity (morphologic abnormality)
15698006	C-63A10	Lysergic acid diethylamide (substance)
15763003	T-46668	Structure of perforating artery of kidney (body structure)
15775008	T-AA220	Structure of corneal epithelium (body structure)
15776009	T-65000	Pancreatic structure (body structure)
15825003	T-42000	Aortic structure (body structure)
15869005	A-2C090	Dosimeter, device (physical object)
15896008	C-22892	Methyl violet 2B stain (substance)
15924003	T-22100	Maxillary sinus structure (body structure)
15961007	L-80541	British saddleback pig (organism)
15966002	L-80742	Short coat chihuahua (organism)
16011006	C-B1204	Technetium Tc^99m^ albumin colloid (substance)
16015002	L-80212	Anglo nubian goat (organism)
16050005	T-C4470	Structure of pancreaticosplenic lymph node (body structure)
16051009	T-C4740	Structure of apical axillary lymph node (body structure)
16228004	T-C46A4	Structure of paravaginal lymph node (body structure)
16239001	T-32637	Structure of myocardium of inferolateral region (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
16310003	P5-B0000	Diagnostic ultrasonography (procedure)
16349000	A-12000	Orthopedic device (physical object)
16356006	D8-20100	Multiple pregnancy (disorder)
16528000	L-80A10	Bombay cat (organism)
16567006	D4-31B24	Mesocardia (disorder)
16630005	T-A2300	Parietal lobe structure (body structure)
16736007	P5-39010	Transcatheter therapy for embolization (procedure)
16788000	C-22846	Naphthalene black 12B stain (substance)
16811007	T-51305	Buccal mucosa (body structure)
16836001	C-22945	Azure A stain (substance)
16838000	D2-81180	Mediastinal emphysema (disorder)
16857009	G-D164	Vaginal route (qualifier value)
16943008	C-22805	Chrysoidine Y stain (substance)
16953009	T-15430	Elbow joint structure (body structure)
16973004	F-18010	Limping (finding)
16982005	T-D2220	Shoulder region structure (body structure)
17069007	C-B1140	Chromic phosphate P^32^ (substance)
17137000	T-47160	Structure of brachial artery (body structure)
17172002	C-22918	Dibromofluorescein stain (substance)
17232002	T-45600	Structure of middle cerebral artery (body structure)
17338001	D3-31740	Ventricular premature beats (disorder)
17366009	D3-31500	Atrial arrhythmia (disorder)
17388009	T-45730	Structure of anterior spinal artery (body structure)
17399006	T-11308	Structure of costal groove (body structure)
17505006	T-54640	Structure of deciduous maxillary right first molar tooth (body structure)
17589002	G-A265	Non-calcified (qualifier value)
17600005	C-B1000	Diagnostic radioisotope (product)
17621005	G-A460	Normal (qualifier value)
17623008	T-49330	Structure of ulnar vein (body structure)
17636008	P3-02000	Specimen collection (procedure)
17663009	L-80898	Tibetan terrier (organism)
17693003	C-22A07	Acriflavine stain (substance)
17717005	L-80651	Pic Cambourgh pig (organism)
17861009	T-C5000	Waldeyer's ring structure (body structure)
17910003	C-113A1	^75^Bromine (substance)
17941002	M-52200	Arteriolosclerosis (morphologic abnormality)
17945006	S-10115	Natural grandmother (person)
18016009	M-52500	Phlebosclerosis (morphologic abnormality)
18102001	P5-40060	Mammary ductogram (procedure)
18112008	T-46422	Structure of hepatic artery proper (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
18115005	M-55420	Pathologic calcification, calcified structure (morphologic abnormality)
18149002	T-11B00	Coccygeal vertebra structure (body structure)
18212001	L-80524	Boar power pig 72 (organism)
18220004	F-B3000	Thyroid hormone (substance)
18234004	T-A8040	Optic nerve structure (body structure)
18346003	T-14140	Structure of serratus anterior muscle (body structure)
18457007	T-C3070	Structure of hemolymph node (body structure)
18525008	T-D9550	Pastern region of hindfoot (body structure)
18545000	T-A1120	Dura mater structure (body structure)
18546004	D4-31810	Congenital stenosis of aortic valve (disorder)
18590009	P2-35000	Cardiac pacing (procedure)
18619003	T-AA110	Scleral structure (body structure)
18686000	T-14120	Pectoralis minor muscle structure (body structure)
18911002	T-91000	Penile structure (body structure)
18946005	P1-C0220	Epidural anesthesia (procedure)
18962004	T-23050	Structure of nasopharyngeal cavity (body structure)
19041007	C-815E1	Tolazoline hydrochloride (substance)
19078005	L-80750	Collie (organism)
19086005	P5-D2000	Radioisotope study of respiratory system (procedure)
19100000	T-04003	Structure of lower inner quadrant of breast (body structure)
19130008	M-10000	Traumatic abnormality (morphologic abnormality)
19227008	M-30400	Foreign body (morphologic abnormality)
19242006	D2-61100	Pulmonary edema (disorder)
19346006	D6-90800	Marfan's syndrome (disorder)
19356005	L-80427	Hunter horse (organism)
19443004	A-04034	Radioactive implant, device (physical object)
19495007	C-B1206	Sodium pertechnetate Tc^99m^ (substance)
19648000	G-A321	Diffuse (qualifier value)
19665009	M-82110	Tubular adenoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
19695001	T-D4210	Hypochondriac region structure (body structure)
19715009	T-49230	Structure of basilic vein (body structure)
19770007	L-80581	Hereford pig (organism)
19776001	M-02530	Decreased size (finding)
19829001	D2-50000	Disorder of lung (disorder)
19893005	C-13518	Potassium dichromate (substance)
19923001	A-26800	Catheter, device (physical object)
19928005	M-78800	Fibromatosis (morphologic abnormality)
19939008	G-A561	Subacute (qualifier value)
19952003	M-52240	Elastic vascular sclerosis (morphologic abnormality)
20044005	L-80654	Pietrain pig (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
20115005	T-49350	Structure of brachial vein (body structure)
20230008	C-22858	Vital new red stain (substance)
20233005	T-98000	Scrotal structure (body structure)
20262006	F-A4580	Ataxia (finding)
20280002	L-80580	Hampshire pig (organism)
20292002	T-15311	Atlantooccipital joint structure (body structure)
20298003	T-11227	Structure of xiphoid process of sternum (body structure)
20699002	T-49240	Structure of cephalic vein (body structure)
20717008	M-52120	Atherosclerotic fibrous plaque (morphologic abnormality)
20721001	D3-29040	Tricuspid valve disorder (disorder)
20760004	T-12412	Bone structure of shaft of humerus (body structure)
20847002	C-A7420	Streptokinase agent (substance)
20982000	T-40050	Structure of capillary blood vessel (organ) (body structure)
21008007	M-84403	Cystadenocarcinoma (morphologic abnormality)
21021000	L-80610	Large black pig (organism)
21039009	L-80837	Puli dog (organism)
21058000	T-C5330	Structure of tubal tonsil (body structure)
21114003	G-A472	Oblique (qualifier value)
21133008	T-12435	Bone structure of shaft of ulna (body structure)
21134002	F-00100	Disability (finding)
21150005	L-80851	Schipperke dog (organism)
21161002	T-A8570	Glossopharyngeal nerve structure (body structure)
21208000	L-80214	Saanen goat (organism)
21278004	F-13060	Passive movement (observable entity)
21295007	L-80431	Morgan horse (organism)
21306003	T-58400	Jejunal structure (body structure)
21326004	M-80453	Combined small cell carcinoma (morphologic abnormality)
21378001	C-B1097	Iodinated I^125^ Rose Bengal (substance)
21379009	D3-83660	Ruptured sinus of Valsalva (disorder)
21381006	D7-90434	Fat necrosis of breast (disorder)
21387005	T-11190	Hyoid bone structure (body structure)
21418008	L-80894	English cocker spaniel (organism)
21451004	C-B1069	Indium^113^ chloride (product)
21479005	T-45170	Structure of carotid sinus (body structure)
21483005	T-A0090	Structure of central nervous system (body structure)
21553004	L-80148	Luing cattle breed (organism)
21572004	C-114A4	^123^Iodine (substance)
21576001	C-107A1	^13^ Nitrogen (substance)
21592006	C-22844	Tartrazine stain (substance)
21594007	G-A425	Malignant (qualifier value)
21637005	L-80A14	Egyptian mau cat (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
21708004	M-91803	Osteosarcoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
21726001	L-80A07	American wirehaired cat (organism)
21793004	T-1A200	Connective tissue structure (body structure)
21807003	T-46427	Structure of left branch of hepatic artery (body structure)
21814001	T-32400	Cardiac ventricular structure (body structure)
21844003	T-D6221	Pelvic cavity structure (body structure)
21870002	A-26920	Transluminal extraction catheter, device (physical object)
21875007	T-C46A5	Structure of pararectal lymph node (body structure)
21921002	L-80116	Canadian cattle breed (organism)
21951008	C-22959	Alizarin cyanine green stain (substance)
21964009	M-95903	Malignant lymphoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
21974007	T-53000	Tongue structure (body structure)
22021002	C-22896	Methyl green stain (substance)
22024005	M-83240	Lipoadenoma (morphologic abnormality)
22036004	M-32390	Pseudoaneurysm (morphologic abnormality)
22039006	M-32201	Ruptured aneurysm (morphologic abnormality)
22049009	D7-90370	Mammary duct ectasia (disorder)
22083002	T-46460	Structure of splenic artery (body structure)
22120004	T-54280	Structure of maxillary right central incisor tooth (body structure)
22270008	T-28630	Structure of anterior segment of upper division of left upper lobe of lung (body structure)
22286001	T-45200	External carotid artery structure (body structure)
22298006	D3-15000	Myocardial infarction (disorder)
22325002	F-18002	Abnormal gait (finding)
22356005	T-12340	Bone structure of ilium (body structure)
22445006	T-54720	Structure of deciduous mandibular right lateral incisor tooth (body structure)
22506004	L-80540	British lop pig (organism)
22687000	M-80123	Large cell carcinoma (morphologic abnormality)
22688005	T-13100	Skeletal muscle structure of head (body structure)
22694002	M-85733	Adenocarcinoma with apocrine metaplasia (morphologic abnormality)
22697009	L-80884	American cocker spaniel (organism)
22720009	L-80416	Belgian horse (organism)
22749001	C-22913	Victoria blue B stain (substance)
22765000	T-43230	Structure of marginal branch of right coronary artery (body structure)
22778000	P1-38200	Venipuncture (procedure)
22823000	T-13310	Structure of sternocleidomastoid muscle (body structure)
22890008	P1-48840	Augmentation mammoplasty (procedure)
22931006	C-22854	Evans blue stain (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
22943007	T-D2000	Trunk structure (body structure)
22945000	T-AB700	Inner ear structure (body structure)
22968009	C-22827	Sunset yellow FCF stain (substance)
22979004	C-B1083	Oleic acid I^125^ (substance)
23053002	C-B0333	Iophenoxic acid (substance)
23074001	T-45240	Structure of facial artery (body structure)
23141003	F-20130	Gasping for breath (finding)
23153004	T-58650	Ileocecal valve structure (body structure)
23159000	L-807D0	Japanese spaniel (organism)
23172004	C-12500	Bismuth (substance)
23180006	T-A1280	Pia mater structure (body structure)
23198005	T-C4624	Structure of medial lacunar lymph node (body structure)
23226009	T-54330	Structure of maxillary left second premolar tooth (body structure)
23242002	F-10336	Knee-chest position (finding)
23347006	T-A2710	Structure of splenium of corpus callosum (body structure)
23416004	T-12430	Bone structure of ulna (body structure)
23427002	T-54340	Structure of maxillary left first molar tooth (body structure)
23438002	T-49660	Structure of profunda femoris vein (body structure)
23451007	T-B3000	Adrenal structure (body structure)
23583003	M-40000	Inflammation (morphologic abnormality)
23629009	L-80137	Hays converter cattle breed (organism)
23719005	P1-67D40	Transplantation of bone marrow (procedure)
23730008	M-80500	Papilloma, no International Classification of Diseases for Oncology subtype (except papilloma of bladder M-81201) (morphologic abnormality)
23771002	T-46410	Structure of left gastric artery (body structure)
23788009	C-180A2	^97^Ruthenium (substance)
23826000	L-80A00	Feline species (organism)
23995009	L-80730	Bull terrier (organism)
24010005	DA-73410	Aphakia (disorder)
24020000	G-A142	Horizontal (qualifier value)
24028007	G-A100	Right (qualifier value)
24062007	T-14165	Structure of innermost intercostal muscle (body structure)
24097009	T-12600	Bone structure of hand (body structure)
24099007	C-10110	Oxygen (substance)
24111007	L-80573	FHC elite pig 3 (organism)
24135002	P5-B0008	Ultrasonography of total body (procedure)
24136001	T-15710	Hip joint structure (body structure)
24142002	T-04100	Nipple structure (body structure)
24154002	F-10100	Musculoskeletal extension, function (observable entity)
24162005	T-87600	Ovarian follicle structure (body structure)
24167004	C-22886	Fast green FCF stain (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
24215009	C-21919	Picric acid (substance)
24299002	L-80878	Skye terrier (organism)
24301009	C-146A9	^198^Gold (substance)
24319000	L-80530	Boar power pig 414 (organism)
24389009	M-44150	Injection site granuloma (morphologic abnormality)
24422004	G-A147	Axial (qualifier value)
24484000	G-A003	Severe (severity modifier) (qualifier value)
24511001	C-B1221	Technetium Tc^99m^ succimer (substance)
24516006	C-22937	Meldola blue stain (substance)
24532009	T-11106	Structure of foramen magnum (body structure)
24573005	T-54400	Structure of mandibular left second premolar tooth (body structure)
24587005	P3-41910	Image analysis (procedure)
24840008	L-80550	CPF pig (organism)
24853006	C-136A2	^223^Radium (substance)
24863003	G-A491	Postprandial (qualifier value)
24865005	T-42230	Structure of posterior sinus of Valsalva (body structure)
24889003	T-C4460	Structure of pyloric lymph node (body structure)
24891006	C-B0347	Sodium diatrizoate (product)
24900003	C-22956	Procion brilliant blue MRS stain (substance)
24924006	T-11120	Parietal bone structure (body structure)
24967003	L-80A54	Oriental shorthaired cat (organism)
25062003	A-26430	Feeding tube, device (physical object)
25064002	F-A2700	Headache (finding)
25079009	C-22843	Lissamine fast yellow stain (substance)
25091000	C-22909	Solochrome cyanine R stain (substance)
25097001	L-80702	Hound (organism)
25126001	G-A477	Pedunculated (qualifier value)
25171009	L-80765	Redbone coonhound (organism)
25211005	S-101A1	Aunt (person)
25238003	T-A8000	Cranial nerve structure (body structure)
25243005	L-80831	Toy poodle (organism)
25247006	T-C4130	Structure of anterior auricular lymph node (body structure)
25264009	L-80823	German wirehaired pointer (organism)
25322007	M-32000	Dilatation (morphologic abnormality)
25327001	L-80320	Dorset sheep superbreed (organism)
25342003	T-AB300	Middle ear structure (body structure)
25351006	C-22A06	Fluorescein sodium stain (substance)
25369002	L-80464	Westphalian horse (organism)
25419009	C-12217	Barium sulfate (product)
25437005	F-32052	Cardiac dyskinesia (finding)
25447008	T-C4362	Structure of posterior mediastinal lymph node (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
25489000	T-39050	Pericardial cavity structure (body structure)
25510005	A-04110	Cardiac valve prosthesis, device (physical object)
25569003	D3-31700	Ventricular tachycardia (disorder)
25594002	G-4042	Moderate risk of (contextual qualifier) (qualifier value)
25660007	L-80306	Barbados sheep (organism)
25683005	T-C4250	Structure of retropharyngeal lymph node (body structure)
25748002	T-54300	Structure of maxillary left lateral incisor tooth (body structure)
25761002	F-64210	Glutamine (substance)
25813002	L-80426	Holsteiner horse (organism)
25856007	L-80539	Boar power pig 929 (organism)
25876001	G-D209	Emergency (qualifier value)
25910003	M-80503	Papillary carcinoma (morphologic abnormality)
25941002	C-22824	Orange II stain (substance)
25943004	T-32820	Structure of atrioventricular node (body structure)
25990002	T-72000	Renal pelvis structure (body structure)
25991003	T-A6040	Cerebellar cortex structure (body structure)
26036001	M-34000	Obstruction (morphologic abnormality)
26046004	P2-31102	Cardiovascular stress test using bicycle ergometer (procedure)
26057009	L-80A53	Exotic shorthaired cat (organism)
26079004	F-A4600	Tremor (finding)
26105007	L-80143	Holstein-Friesian cattle breed (organism)
26140008	T-51130	Uvula palatina structure (body structure)
26141007	F-38278	ST segment depression (finding)
26146002	D4-31010	Complete transposition of great vessels (disorder)
26216008	G-A110	Central (qualifier value)
26229008	L-80846	Nova Scotia duck tolling retriever (organism)
26230003	T-A2830	Structure of uncinate fasciculus (body structure)
26242008	G-A660	Mixed (qualifier value)
26283006	G-A139	Superficial (qualifier value)
26332008	L-80809	Norwich terrier (organism)
26370007	C-A7000	Hemostatic agent (product)
26382003	L-80A16	Japanese bobtail cat (organism)
26386000	T-AA079	Vitreous cavity structure (body structure)
26412008	A-25350	Endotracheal tube, device (physical object)
26444007	T-12200	Shoulder girdle structure (body structure)
26458009	C-51450	Diphenhydramine (product)
26493002	T-11218	Structure of jugular notch of sternum (body structure)
26523005	C-68030	Dobutamine (product)
26525003	L-80176	White Park cattle breed (organism)
26527006	F-10349	Inverse Trendelenburg position (finding)
26639007	L-807A3	Toy fox terrier (organism)
26643006	G-D140	Oral route (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
26699009	L-80433	New Forest pony (organism)
26703007	T-49630	Structure of anterior tibial vein (body structure)
26805005	T-49550	Structure of small saphenous vein (body structure)
26818002	T-47240	Superficial palmar arch structure (body structure)
26837006	L-80407	American cream horse (organism)
26893007	T-D7000	Inguinal region structure (body structure)
26947005	DD-33500	Open wound of lower limb (disorder)
26973000	L-80411	American trotter horse (organism)
27016007	C-22813	Alizarin yellow GG stain (substance)
27054007	C-144A3	^57^Cobalt (substance)
27065002	A-13500	Surgical suture, device (physical object)
27081007	C-172A5	^127^Xenon (substance)
27088001	T-A7070	Spinal cord white matter structure (body structure)
27120008	C-22890	Malachite green stain (substance)
27125003	L-80A18	Korat cat (organism)
27175001	T-46970	Structure of testicular artery (body structure)
27315000	P1-48520	Removal of breast implant (procedure)
27337007	D3-31742	Unifocal premature ventricular complexes (disorder)
27372005	P1-C0200	Regional anesthesia (procedure)
27385008	L-80889	Field spaniel (organism)
27398004	T-D4600	Omentum structure (body structure)
27431007	D7-90310	Fibrocystic breast changes (finding)
27444002	L-80720	Belgian tervuren dog (organism)
27483000	P5-00100	Diagnostic radiography with contrast media (procedure)
27606000	A-04200	Dental prosthesis, device (physical object)
27612005	T-A8150	Trigeminal nerve structure (body structure)
27615007	L-807B3	Great dane dog (organism)
27637000	D4-31B16	Dextrocardia (disorder)
27671009	C-22A04	Rhodamine B stain (substance)
27706005	T-48502	Structure of left pulmonary vein (body structure)
27789000	G-7155	Infrequent (qualifier value)
27812008	A-2C140	Electric heating pad, device (physical object)
27844007	C-22872	Benzo fast scarlet stain (substance)
27855007	T-54650	Structure of deciduous maxillary right second molar tooth (body structure)
27872000	P3-05050	Specimen freezing (procedure)
27885002	D3-32102	Complete atrioventricular block (disorder)
27925004	M-03010	Nodule (morphologic abnormality)
27947004	T-D4200	Epigastric region structure (body structure)
27949001	T-15770	Intertarsal joint structure (body structure)
28035005	T-54000	Structure of teeth, gums, and supporting structures (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
28121005	C-B0331	Iophendylate (substance)
28205006	T-42520	Structure of infrarenal aorta (body structure)
28231008	T-63000	Gallbladder structure (body structure)
28243009	C-136A5	^226^Radium (substance)
28273000	T-60610	Bile duct structure (body structure)
28330007	T-C4332	Structure of subcarinal lymph node (body structure)
28347008	T-AB100	External ear structure (body structure)
28360002	L-80215	Swiss alpine goat (organism)
28390009	T-A5250	Medial longitudinal fasciculus structure (body structure)
28480000	T-54500	Structure of mandibular right first molar tooth (body structure)
28483003	L-80172	Simmental cattle breed (organism)
28622002	C-22814	Alizarin yellow R stain (substance)
28700002	T-25201	Structure of carina (body structure)
28726007	T-AA200	Corneal structure (body structure)
28744004	L-80174	Black Welsh cattle breed (organism)
28751008	L-80744	Chow Chow (organism)
28870006	T-C4780	Structure of epitrochlear lymph node (body structure)
28899001	M-80703	Squamous cell carcinoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
28926001	D0-71000	Eruption caused by drug (disorder)
28960008	M-52000	Arteriosclerosis (morphologic abnormality)
29092000	T-48000	Venous structure (body structure)
29185008	M-50080	Fatty degeneration (morphologic abnormality)
29218008	C-B1061	Indium^111^ pentetate (substance)
29223008	L-80534	Boar power pig 565 (organism)
29235007	L-80653	Pic line pig 26 (organism)
29252006	C-22A08	Acridine orange stain (substance)
29342009	C-22899	Kenacid blue R stain (substance)
29348008	C-B1251	Pentetate calcium trisodium Yb^169^ (substance)
29426003	DA-26000	Paralytic syndrome (disorder)
29445007	T-AA860	Conjunctival structure (body structure)
29460005	C-B1018	Copper^67^ ceruloplasmin (substance)
29483008	M-52101	Calcified atheromatous plaque (morphologic abnormality)
29522004	C-22951	Toluidine blue stain (substance)
29534007	T-AA400	Ciliary body structure (body structure)
29660000	T-46940	Structure of inferior phrenic artery (body structure)
29700009	T-46110	Structure of right subclavian artery (body structure)
29707007	T-D9800	Toe structure (body structure)
29836001	T-D2500	Hip region structure (body structure)
29850006	T-1234A	Iliac crest structure (body structure)
29857009	F-37000	Chest pain (finding)
29881002	L-80554	Connor prairie pig (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
30017007	F-39800	Vascular dilatation, function (observable entity)
30021000	T-D9400	Lower leg structure (body structure)
30024008	T-C4512	Structure of sigmoid lymph node (body structure)
30089001	L-80216	Toggenburg goat (organism)
30114003	T-A5271	Medial lemniscus structure (body structure)
30123000	P1-31846	Repair of atrial septal defect with prosthesis by closed heart technique (procedure)
30156004	M-82013	Cribriform carcinoma (morphologic abnormality)
30180000	T-1A190	Tunica adventitia (body structure)
30288003	D4-31150	Ventricular septal defect (disorder)
30315005	T-58000	Small intestinal structure (body structure)
30347000	L-807C7	Italian greyhound (organism)
30384003	L-80113	Brahma cattle breed (organism)
30399003	T-A1700	Structure of anterior horn of lateral ventricle (body structure)
30448006	L-80594	Lacombe pig (organism)
30492008	C-72000	Diuretic (product)
30518006	T-12450	Bone structure of scaphoid (body structure)
30565000	L-80886	Cocker spaniel, any solid color other than black (organism)
30608006	T-13600	Skeletal muscle structure of upper limb (body structure)
30618001	T-54630	Structure of deciduous maxillary right canine tooth (body structure)
30634003	L-80659	Tamworth pig (organism)
30720007	L-80525	Boar power pig 84 (organism)
30730003	G-A145	Sagittal (qualifier value)
30793004	T-C4120	Posterior auricular lymph node (body structure)
30807003	G-A249	Benign (qualifier value)
30825005	C-B1063	Colloidal Indium^111^ (substance)
30996001	L-85B00	Homo sapiens (living organism) (organism)
31065004	T-A2400	Occipital lobe structure (body structure)
31077009	L-80875	Shih tzu dog (organism)
31094006	T-28770	Structure of lobe of lung (body structure)
31099001	G-A572	Systemic (qualifier value)
31113003	M-32700	Diverticulum (morphologic abnormality)
31145008	T-45250	Structure of occipital artery (body structure)
31162003	T-32330	Structure of coronary sinus of left atrial septum (body structure)
31171007	T-C4863	Structure of fibular lymph node (body structure)
31186001	M-92200	Chondroma (morphologic abnormality)
31192007	C-B1122	Ferrous chloride Fe^59^ (substance)
31260003	C-22952	Methylene violet stain (Bernthsen) (substance)
31281003	L-80764	English coonhound (organism)
31306009	C-80460	Quinidine (product)
31329001	T-D8650	Pastern of forefoot (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
31351009	D7-76200	Postartificial menopausal syndrome (disorder)
31377001	L-80752	Rough collie (organism)
31389004	T-55200	Oropharyngeal structure (body structure)
31392000	L-80791	American eskimo dog (organism)
31428008	T-A3100	Corpus striatum structure (body structure)
31435000	T-88000	Fallopian tube structure (body structure)
31527000	C-B1175	Sodium chloride Na^24^ (substance)
31633003	L-80465	Yorkshire coach horse (organism)
31636006	T-AA050	Anterior chamber of eye structure (body structure)
31640002	T-11140	Occipital bone structure (body structure)
31653004	M-74880	Fibromuscular dysplasia (morphologic abnormality)
31677005	T-47440	Structure of profunda femoris artery (body structure)
31688004	T-48770	Structure of testicular vein (body structure)
31701002	T-A7061	Ventral funiculus structure (body structure)
31714001	C-22891	New fuchsin stain (substance)
31724009	P2-36110	Measurement of venous pressure (procedure)
31764008	T-14171	Structure of trapezius muscle (body structure)
31811003	C-10520	Carbon dioxide (substance)
31842008	M-02000	Normal shape (qualifier value)
31845005	D7-90554	Retraction of nipple (disorder)
31934006	T-12281	Structure of acromion (body structure)
31953001	C-B1183	Strontium nitrate Sr^87^ (substance)
31970009	C-81520	Nitrate-based vasodilating agent (product)
31971008	L-80881	American water spaniel (organism)
31982000	T-54290	Structure of maxillary left central incisor tooth (body structure)
31996006	D3-80650	Vasculitis (disorder)
32048006	M-81400	Adenoma, no subtype (morphologic abnormality)
32062004	T-45100	Common carotid artery structure (body structure)
32114007	T-48214	Structure of occipital vein (body structure)
32145006	L-80342	Romanov sheep (organism)
32185000	F-10318	Lateral decubitus position (finding)
32297006	L-80522	Boar power pig 48 (organism)
32318003	F-39780	Vascular constriction, function (observable entity)
32361000	T-D9310	Popliteal fossa structure (body structure)
32381004	G-A170	Portal (qualifier value)
32400000	G-A121	Preaxial (qualifier value)
32413006	P1-31D00	Transplantation of heart (procedure)
32457005	T-D0070	Body fluid (substance)
32505007	C-106A1	^32^Phosphorus (substance)
32591006	L-807D3	Kerry blue terrier (organism)
32622004	T-59460	Descending colon structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
32651000	M-52210	Arteriolosclerosis with fibrinoid necrosis (morphologic abnormality)
32670005	L-807B4	Great Pyrenee dog (organism)
32672002	T-42400	Structure of descending thoracic aorta (body structure)
32683006	L-80577	FHC elite pig 7 (organism)
32713005	T-59100	Cecum structure (body structure)
32764006	T-48810	Portal vein structure (body structure)
32836007	C-B0338	Sodium acetrizoate (substance)
32849002	T-56000	Esophageal structure (body structure)
32859001	T-48910	Structure of inferior mesenteric vein (body structure)
32913002	M-85103	Medullary carcinoma (morphologic abnormality)
32938007	L-80134	Gir cattle breed (organism)
32968003	M-85303	Inflammatory carcinoma (morphologic abnormality)
33060004	T-A6080	Cerebellar white matter structure (body structure)
33096000	G-A144	Vertical (qualifier value)
33212007	L-80535	Boar power pig 616 (organism)
33252009	C-80135	beta-Blocking agent (product)
33271006	C-B1091	Iodohippurate I^131^ sodium (substance)
33272004	T-32633	Structure of myocardium of posterolateral region (body structure)
33367005	P5-30100	Coronary angiography (procedure)
33401005	L-807C2	Wirehaired pointing griffon dog (organism)
33458006	L-80721	Bernese mountain dog (organism)
33496007	P1-48820	Reconstruction of breast (procedure)
33551003	L-80511	Kentucky red berkshire pig (organism)
33564002	T-04005	Structure of lower outer quadrant of breast (body structure)
33586001	F-103A0	Sitting position (finding)
33593002	M-52400	Vascular wall degeneration (morphologic abnormality)
33626005	T-32310	Structure of left auricular appendage (body structure)
33723005	T-A6630	Structure of middle cerebellar peduncle (body structure)
33770006	T-C4720	Structure of lateral axillary lymph node (body structure)
33785000	C-B1095	Iodinated I^125^ liothyronine (substance)
33795007	T-46520	Structure of inferior mesenteric artery (body structure)
33843005	G-A128	Efferent (qualifier value)
33889003	M-72105	Atypical lobular hyperplasia (morphologic abnormality)
33930006	T-A1502	Structure of subarachnoid space of brain (body structure)
34026001	F-10316	Semiprone position (finding)
34106002	F-10348	Trendelenburg position (finding)
34108001	F-10410	Coiled position (finding)
34127007	C-173A7	^85^Krypton (substance)
34128002	C-22911	Chrome azurol S stain (substance)
34200004	L-80457	Standardbred horse (organism)
34202007	T-35400	Aortic valve structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
34206005	G-D104	Subcutaneous route (qualifier value)
34296003	F-10380	Frog-like posture (finding)
34318004	T-1243A	Bone structure of proximal ulna (body structure)
34340008	T-48003	Structure of venous network (body structure)
34360000	M-88303	Fibrous histiocytoma, malignant (morphologic abnormality)
34402009	T-59600	Rectum structure (body structure)
34411009	T-D6500	Broad ligament structure (body structure)
34516001	T-58600	Ileal structure (body structure)
34536000	P1-86100	Amniocentesis (procedure)
34595003	L-80538	Boar power pig 828 (organism)
34618005	L-8B941	Bos taurus (organism)
34625003	T-C4611	Structure of medial common iliac lymph node (body structure)
34635009	T-46960	Structure of lumbar artery (body structure)
34700000	C-22883	Fast blue B salt stain (substance)
34752004	L-80865	Sealyham terrier (organism)
34759008	A-26864	Urethral catheter, device (physical object)
34775006	T-C4770	Structure of cubital lymph node (body structure)
34870009	L-80891	Irish water spaniel (organism)
34882000	M-90160	Giant fibroadenoma (morphologic abnormality)
35039007	T-83000	Uterine structure (body structure)
35094004	C-22815	Tropaeolin O stain (substance)
35202002	P5-D0050	Scanning or imaging with vascular flow (procedure)
35229007	L-80118	Chianina cattle breed (organism)
35259002	T-13660	Structure of deltoid muscle (body structure)
35304003	D3-90100	Cardiac tamponade (disorder)
35321007	C-B1031	Fluorodeoxyglucose F^18^ (substance)
35337001	C-131A3	^68^Gallium (substance)
35352008	C-22A00	Fluorescent stain (substance)
35354009	L-8A102	Equus caballus (organism)
35532006	T-48600	Vena caval structure (body structure)
35566002	M-35060	Hematoma (morphologic abnormality)
35601003	M-97651	Monoclonal gammopathy of undetermined significance (morphologic abnormality)
35609001	C-22842	Azophloxin stain (substance)
35621002	P5-D3304	Cardiac blood pool imaging (procedure)
35664009	T-A2861	Structure of inferior fronto-occipital fasciculus (body structure)
35721009	T-C4851	Structure of deep popliteal lymph node (body structure)
35724001	C-22942	Lacmoid stain (substance)
35757004	P5-B3121	Echocardiography for determining ventricular contraction (procedure)
35764002	T-A1600	Brain ventricle structure (body structure)
35783009	T-C4480	Structure of aortic lymph node (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
35802007	L-807A0	Fox terrier superbreed (organism)
35819009	T-48890	Structure of splenic vein (body structure)
35860002	P1-08080	Repair by nailing (procedure)
35884005	C-B1109	Iodine^131^ polyvinylpyrrolidone (substance)
35917007	M-81403	Adenocarcinoma, no subtype (morphologic abnormality)
35918002	T-A1820	Fourth ventricle structure (body structure)
35951006	T-A1500	Subarachnoid space structure (body structure)
35978008	C-124B4	^252^Californium (substance)
36060005	M-91501	Hemangiopericytoma (morphologic abnormality)
36074003	L-80A05	Abyssinian cat (organism)
36086000	T-C4626	Structure of obturator lymph node (body structure)
36111002	L-80591	Kleen leen black pig (organism)
36118008	D2-80300	Pneumothorax (disorder)
36169008	T-A2610	Insular structure (body structure)
36176003	F-6ACA0	Thrombin (substance)
36187006	L-80658	Spotted pig (organism)
36251007	T-C4500	Structure of intestinal lymph node (body structure)
36274006	L-80776	Wirehaired standard dachshund (organism)
36295001	L-80300	Ovine species (organism)
36360002	T-51200	Floor of mouth structure (body structure)
36371001	T-42220	Structure of left sinus of Valsalva (body structure)
36438004	L-807D7	Lhasa apso (organism)
36455000	T-12540	Bone structure of metacarpal (body structure)
36492000	T-54240	Structure of maxillary right second premolar tooth (body structure)
36570001	L-80562	Dekalb hybrid pig line 31 (organism)
36571002	L-86B02	Oryctolagus cuniculus (organism)
36572009	C-22864	Sudan black B stain (substance)
36582005	T-A9090	Brachial plexus structure (body structure)
36611001	L-80741	Long coat chihuahua (organism)
36641004	C-B1152	Potassium chloride K^42^ (substance)
36672000	T-43112	Structure of distal portion of anterior descending branch of left coronary artery (body structure)
36765005	T-46100	Structure of subclavian artery (body structure)
36855005	L-88121	Canis lupus (organism)
36879007	C-22919	Water soluble eosin stain (substance)
36900006	C-B1105	Iodohippurate I^125^ sodium (substance)
36969009	P1-33530	Placement of stent in coronary artery (procedure)
37024005	L-80910	Welsh corgi superbreed (organism)
37035000	T-A2840	Structure of cingulum (body structure)
37058002	M-44140	Foreign body giant cell granuloma (morphologic abnormality)
37116003	L-80718	Belgian malinois dog (organism)
37117007	T-D7010	Right inguinal region structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
37153009	P1-32502	Implantation of heart valve with tissue graft (procedure)
37161004	G-D160	Rectal route (qualifier value)
37197008	G-A180	Anterolateral (qualifier value)
37225000	C-149A1	^52^Manganese (substance)
37274004	T-46440	Structure of gastroduodenal artery (body structure)
37279009	M-55160	Amyloid tumor (morphologic abnormality)
37285002	T-11211	Bone structure of manubrium (body structure)
37437001	C-B1098	Iodinated I^125^ sealed source (substance)
37453003	L-80870	Setter (organism)
37512009	T-B1200	Neurohypophysis structure (body structure)
37575004	C-22822	Carmoisine A stain (substance)
37630009	P5-39050	Percutaneous retrieval of intravascular foreign body (procedure)
37706002	F-32056	Hypokinesis of cardiac wall (finding)
37737002	G-D144	Intraluminal route (qualifier value)
37760005	D3-33140	Left anterior fascicular block (disorder)
37783008	T-12390	Bone structure of acetabulum (body structure)
37899009	T-A8820	Hypoglossal nerve structure (body structure)
37947008	C-B1051	Colloidal gold Au^198^ (substance)
38000004	T-C6020	Lymph (substance)
38048003	S-101A2	Uncle (person)
38101003	DA-74110	Hypermetropia (disorder)
38184008	L-80735	Bulldog (organism)
38199008	T-54010	Tooth structure (body structure)
38239002	G-D106	Intraperitoneal route (qualifier value)
38242008	T-90020	Male internal genitalia structure (body structure)
38266002	T-D0010	Entire body as a whole (body structure)
38271009	C-22964	Saffron stain (substance)
38341003	D3-02000	Hypertensive disorder, systemic arterial (disorder)
38344006	C-B0344	Sodium iodomethamate (substance)
38424001	C-B1181	Strontium chloride Sr^87^ (substance)
38449002	L-80842	Curly-coated retriever (organism)
38543004	C-22914	Lissamine green B stain (substance)
38586004	A-81080	Laser-generated electromagnetic radiation (physical force)
38707008	C-22936	Celestine blue B stain (substance)
38713004	M-94003	Astrocytoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
38717003	G-A143	Longitudinal (qualifier value)
38848004	T-58200	Duodenal structure (body structure)
38864007	T-D2700	Perineal structure (body structure)
38866009	T-D0011	Body part structure (body structure)
38896004	T-54790	Structure of deciduous mandibular left first molar tooth (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
38902009	C-22825	Solochrome dark blue stain (substance)
38934000	T-AA820	Upper eyelid structure (body structure)
38991005	T-46350	Structure of superior phrenic artery (body structure)
38994002	T-54520	Structure of mandibular right third molar tooth (body structure)
39000009	M-91203	Hemangiosarcoma (morphologic abnormality)
39021009	DA-74100	Disorder of refraction (disorder)
39057004	T-35200	Pulmonary valve structure (body structure)
39200002	C-B1089	Iodinated I^131^ albumin (substance)
39290007	C-12200	Barium (substance)
39322007	T-A8110	Trochlear nerve structure (body structure)
39348004	L-807D8	Maltese dog (organism)
39352004	T-15001	Joint structure (body structure)
39477002	T-59666	Feces (substance)
39481002	T-54160	Upper dental arch structure (body structure)
39525005	F-CB962	Tumor necrosis factor alpha (substance)
39532001	L-80435	Norman coach horse (organism)
39539005	F-70102	Abnormal renal function (finding)
39607008	T-28000	Lung structure (body structure)
39723000	T-15680	Sacroiliac joint structure (body structure)
39743006	T-28230	Structure of anterior segment of right upper lobe of lung (body structure)
39777001	C-22861	Sudan III stain (substance)
39790008	A-2C141	Non-electric heating pad, device (physical object)
39844006	T-54420	Structure of mandibular left canine tooth (body structure)
39855006	L-80350	Wiltshire horn sheep (organism)
39882003	L-80877	Silky terrier (organism)
39937001	T-01000	Skin structure (body structure)
40005008	T-54510	Structure of mandibular right second molar tooth (body structure)
40020002	T-28825	Structure of middle lobe of lung (body structure)
40076005	C-22852	Erie garnet stain (substance)
40121001	L-80832	Miniature poodle (organism)
40146001	T-A2020	Structure of cerebral cortex (body structure)
40199007	F-10340	Supine body position (finding)
40242007	T-C4623	Structure of lateral external iliac lymph node (body structure)
40250003	P1-31917	Interatrial transposition of venous return (procedure)
40254007	T-47260	Structure of digital artery of hand (body structure)
40265002	T-11511	Structure of arch of vertebra (body structure)
40266001	G-A640	Lobular (qualifier value)
40300007	T-48940	Structure of internal iliac vein (body structure)
40342009	C-6A16B	Thiamylal sodium (substance)
40388003	A-04010	Implant, device (physical object)
40400008	L-80816	Plott hound (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
40403005	P1-31602	Catheterization of right heart (procedure)
40415009	G-A118	Proximal (qualifier value)
40547002	L-80A31	Longhaired manx (organism)
40565003	C-105A1	^11^Carbon (substance)
40617009	P2-22902	Artificial respiration (procedure)
40638003	T-AA180	Structure of both eyes (body structure)
40684008	T-C4632	Structure of inferior gluteal lymph node (body structure)
40689003	T-94000	Testis structure (body structure)
40701008	P5-B3000	Echocardiography (procedure)
40710000	C-B0327	Iodopyracet (substance)
40718007	C-22876	Fast red B salt stain (substance)
40727008	L-80913	West Highland white terrier (organism)
40772000	M-78260	Fibrous plaque (morphologic abnormality)
40779009	D2-60302	Discoid atelectasis (disorder)
40808006	C-22863	Oil red O stain (substance)
40898002	L-80893	Welsh Springer spaniel (organism)
40937006	C-114A5	^124^Iodine (substance)
40983000	T-D8200	Upper arm structure (body structure)
41092008	L-80418	Cleveland bay horse (organism)
41111004	T-12717	Bone structure of shaft of femur (body structure)
41145006	T-C4613	Structure of lateral common iliac lymph node (body structure)
41216001	T-92000	Prostatic structure (body structure)
41263004	L-80812	Papillon dog (organism)
41296002	T-AA500	Iris structure (body structure)
41313007	T-14163	Structure of internal intercostal muscle (body structure)
41320000	L-80713	Basset hound (organism)
41334000	D3-12002	Angina, class II (disorder)
41440006	P5-D9020	Radioisotope brain imaging (procedure)
41538003	L-80722	Bichons frise dog (organism)
41549009	C-80150	Angiotensin-converting enzyme inhibitor agent (product)
41561001	L-80561	Dekalb hybrid pig line 30 (organism)
41584008	L-807A2	Wire fox terrier (organism)
41598000	F-B2700	Estrogen (substance)
41601005	T-11309	Structure of shaft of rib (body structure)
41695006	T-D1160	Scalp structure (body structure)
41699000	M-36700	Effusion (morphologic abnormality)
41706005	L-80340	Perendale sheep (organism)
41738000	L-80436	Palomino horse (organism)
41750006	C-22965	Brazilin stain (substance)
41754002	L-80429	Lipizzaner horse (organism)
41758004	C-181A3	^169^Ytterbium (substance)
41801008	T-43000	Coronary artery structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
41842006	P5-D6500	Radioisotope study of hematopoietic system (procedure)
41879009	T-43202	Structure of distal portion of right coronary artery (body structure)
41919003	M-85023	Juvenile carcinoma of the breast (morphologic abnormality)
41967008	C-13700	Silver (substance)
41976001	P1-31600	Cardiac catheterization (procedure)
42018006	L-80500	Porcine species (organism)
42024000	L-30606	Murine poliovirus (organism)
42182000	M-52470	Cystic medial necrosis (morphologic abnormality)
42248000	C-22809	Methyl orange stain (substance)
42250008	L-80728	Boxer dog (organism)
42252000	L-807B2	German shepherd dog (organism)
42258001	T-46510	Superior mesenteric artery structure (body structure)
42320003	T-93020	Structure of left seminal vesicle (body structure)
42343007	D3-16010	Congestive heart failure (disorder)
42385006	D7-90364	Lactocele (disorder)
42399005	D7-11010	Renal failure syndrome (disorder)
42417005	C-B1300	Carbon^14^ triolein (substance)
42425007	G-A466	Equivocal (qualifier value)
42472007	T-C4621	Structure of medial external iliac lymph node (body structure)
42575006	T-D1460	Structure of pituitary fossa (body structure)
42694008	T-D8030	All legs (body structure)
42695009	T-A4000	Thalamic structure (body structure)
42700002	M-02100	Round shape (qualifier value)
42724005	L-80410	American saddlebred horse (organism)
42728008	C-B1070	Indium^113^ pentetate (substance)
42798000	G-A166	Area (qualifier value)
42902003	L-80734	White bull terrier (organism)
42932006	T-A2760	Structure of forceps minor (body structure)
42948007	L-80608	Norwegian landrace pig (organism)
42973007	T-D3160	Structure of thoracic inlet (body structure)
43045000	T-AA862	Lacrimal caruncle structure (body structure)
43106008	C-22915	Pyronine G stain (substance)
43119007	T-45320	Structure of posterior communicating artery (body structure)
43219001	L-80A09	Birman cat (organism)
43239002	C-116A3	^75^Selenium (substance)
43281008	T-54780	Structure of deciduous mandibular left canine tooth (body structure)
43299000	M-32310	Miliary aneurysm (morphologic abnormality)
43500007	L-80531	Boar power pig 454 (organism)
43526002	M-18000	Operative site (morphologic abnormality)
43529009	L-80A13	Chartreux cat (organism)
43538006	C-B0312	Non radiopaque medium (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
43549000	C-22912	Solochrome azurine (BS) stain (substance)
43622005	T-54670	Structure of deciduous maxillary left lateral incisor tooth (body structure)
43674008	G-A122	Apical (qualifier value)
43863001	T-48530	Structure of superior left pulmonary vein (body structure)
43899006	T-47500	Structure of popliteal artery (body structure)
43914001	F-F7100	Laryngeal voice function (observable entity)
44103008	D3-31715	Ventricular arrhythmia (disorder)
44132006	M-41610	Abscess (morphologic abnormality)
44230005	L-80115	Brown Swiss cattle breed (organism)
44241007	D3-29001	Heart valve stenosis (disorder)
44324008	PA-50030	Hemodynamic measurements (procedure)
44488008	C-22849	Bismark brown R stain (substance)
44491008	P5-06000	Fluoroscopy (procedure)
44567001	T-25000	Tracheal structure (body structure)
44578009	P1-48304	Core needle biopsy of breast (procedure)
44588005	C-11400	Iodine (substance)
44598004	M-88900	Leiomyoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
44612009	T-11221	Structure of sternal angle (body structure)
44627009	T-32550	Structure of outflow tract of right ventricle (body structure)
44696006	L-80714	Beagle (organism)
44714003	T-28600	Structure of upper lobe of left lung (body structure)
44771000	D7-90435	Microcalcifications of the breast (disorder)
44777001	P1-31920	Creation of conduit between right ventricle and pulmonary artery (procedure)
44788007	T-29100	Right pleura structure (body structure)
44808001	D3-30000	Conduction disorder of the heart (disorder)
44812007	P1-C0030	Inhalation anesthesia, machine system, closed, no rebreathing of primary agent (procedure)
44830000	T-47650	Structure of lateral plantar artery (body structure)
44835005	L-80312	Debouillet sheep (organism)
44855006	L-80A58	Tonkinese cat (organism)
44909008	T-A9630	Sympathetic trunk structure (body structure)
44914007	T-C4700	Upper limb lymph node structure (body structure)
44947003	T-14020	Structure of erector spinae muscle (body structure)
44984001	T-47200	Structure of ulnar artery (body structure)
45001002	T-11034	Bone matrix (substance)
45007003	D3-04000	Low blood pressure (disorder)
45048000	T-D1600	Neck structure (body structure)
45106005	C-22851	Congo red stain (substance)
45206002	T-21000	Nasal structure (body structure)
45211000	P1-05535	Catheterization (procedure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
45215009	C-15600	Tantalum (substance)
45227007	D3-23000	Hypertrophic obstructive cardiomyopathy (disorder)
45234009	T-54690	Structure of deciduous maxillary left first molar tooth (body structure)
45284002	L-80149	Maine Anjou cattle breed (organism)
45289007	T-61100	Parotid gland structure (body structure)
45292006	T-81000	Vulval structure (body structure)
45316007	P5-D0040	Radionuclide localization of tumor (procedure)
45341000	T-44100	Structure of trunk of pulmonary artery (body structure)
45460008	P2-68060	Intrauterine transfusion (procedure)
45475000	C-22962	Indigo carmine stain (substance)
45503006	D4-31120	Common ventricle (disorder)
45559001	M-78266	Focal fibrosis (morphologic abnormality)
45561005	L-80762	Black and tan coonhound (organism)
45625009	L-80880	Spaniel (organism)
45631007	T-47300	Structure of radial artery (body structure)
45635003	L-80571	FHC elite pig 1 (organism)
45653009	T-28820	Structure of upper lobe of lung (body structure)
45690005	L-80334	Mouflon sheep (organism)
45790002	L-80405	American Albino horse (organism)
45793000	T-B2000	Pineal structure (body structure)
45804006	F-20030	Autonomous breathing, function (observable entity)
45849009	C-B1220	Technetium Tc^99m^ sodium glucoheptonate (substance)
45929001	S-10164	Half-brother (person)
46027005	T-48920	Structure of common iliac vein (body structure)
46030003	T-35100	Tricuspid valve structure (body structure)
46053002	G-A119	Distal (qualifier value)
46055009	T-C4170	Structure of submental lymph node (body structure)
46136006	P2-31010	Electrocardiogram with exercise test (procedure)
46139004	C-22802	Martius yellow stain (substance)
46157003	T-C4592	Structure of appendicular lymph node (body structure)
46212000	M-90300	Juvenile fibroadenoma (morphologic abnormality)
46239008	L-807D4	Komondor dog (organism)
46385009	T-1228A	Glenoid structure (body structure)
46392004	L-80332	Delaine merino sheep (organism)
46408008	L-80451	American pony (organism)
46602004	C-10004	Electron (substance)
46662001	P2-4A000	Examination of breast (procedure)
46713006	G-D172	Nasal route (qualifier value)
46720004	M-88500	Lipoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
46725009	L-80912	Pembroke Welsh corgi (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
46750007	T-28080	Structure of hilum of lung (body structure)
46862004	T-D2600	Buttock structure (body structure)
46866001	DD-13000	Fracture of lower limb (disorder)
47030008	C-22974	Insoluble berlin blue stain (substance)
47055002	T-54470	Structure of mandibular right canine tooth (body structure)
47075006	L-80780	Doberman pinscher (organism)
47079000	P5-B8500	Ultrasonography of breast (procedure)
47109002	T-C4300	Structure of lymph node of thorax (body structure)
47192000	C-B0345	Meglumine diatrizoate (substance)
47284001	M-88211	Aggressive fibromatosis (morphologic abnormality)
47429007	G-C002	Associated with (attribute)
47432005	P1-32504	Implantation of heart valve prosthesis or synthetic device (procedure)
47471008	T-C4850	Popliteal lymph node structure (body structure)
47486002	C-22877	Fast red ITR stain (substance)
47488001	M-85040	Intracystic papillary adenoma (morphologic abnormality)
47542005	L-80814	Petit Basset Griffon Vendéen dog (organism)
47588004	C-132A8	^203^Lead (substance)
47625008	G-D101	Intravenous route (qualifier value)
47631006	M-52450	Adventitial degeneration (morphologic abnormality)
47659007	L-80712	Basenji (organism)
47699005	L-80879	Soft-coated wheaten terrier (organism)
47728000	T-12423	Bone structure of shaft of radius (body structure)
47729008	C-B1150	Potassium chloride K^43^ (substance)
47795006	L-80574	FHC elite pig 4 (organism)
47842004	L-80417	Canadian horse (organism)
47898004	C-80490	Verapamil (product)
47962008	T-32636	Structure of myocardium of apex of heart (body structure)
47975008	T-53130	Structure of root of tongue (body structure)
47985009	T-C4410	Structure of celiac lymph node (body structure)
47995002	C-22932	Alcohol soluble nigrosine stain (substance)
48006008	C-10001	Ion (substance)
48193007	T-C4822	Prefemoral lymph node (body structure)
48338005	T-59438	Structure of right colic flexure (body structure)
48341001	C-151B2	^192^Iridium (substance)
48345005	T-48610	Superior vena cava structure (body structure)
48367006	T-74250	Structure of urinary bladder cavity (body structure)
48387007	P1-26100	Incision of trachea (procedure)
48394005	L-80505	Beltsville pig (organism)
48402004	T-54380	Structure of mandibular left second molar tooth (body structure)
48434008	M-52100	Atheroma (morphologic abnormality)
48470006	L-80536	Boar power pig 656 (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
48477009	T-52000	Lip structure (body structure)
48524002	L-80803	Mastiff dog (organism)
48540004	C-22885	Patent blue V sodium salt stain (substance)
48544008	T-D4120	Structure of right lower quadrant of abdomen (body structure)
48603004	C-A6530	Warfarin (product)
48694002	F-0B320	Anxiety (finding)
48697009	L-80309	Clun Forest sheep (organism)
48698004	C-80160	Calcium channel blocking agent (product)
48702000	L-80145	Limousin cattle breed (organism)
48724000	D3-29012	Mitral valve regurgitation (disorder)
48895003	C-145A5	^113m^Indium (substance)
48918001	T-C4150	Structure of facial lymph node (body structure)
49076000	T-15720	Knee joint structure (body structure)
49082002	T-48435	Structure of small cardiac vein (body structure)
49240006	L-80644	Palouse pig (organism)
49330006	T-54800	Structure of deciduous mandibular left second molar tooth (body structure)
49370004	G-A104	Lateral (qualifier value)
49394004	T-C4420	Structure of superior mesenteric lymph node (body structure)
49421002	L-80904	Welsh terrier (organism)
49430005	M-88503	Liposarcoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
49436004	D3-31520	Atrial fibrillation (disorder)
49460000	T-51120	Soft palate structure (body structure)
49462008	L-80576	FHC elite pig 6 (organism)
49530007	G-A127	Afferent (qualifier value)
49608001	G-A402	Irregular (qualifier value)
49687009	C-22A11	Coriphosphine stain (substance)
49727002	F-24100	Cough (finding)
49755003	M-01000	Morphologically abnormal structure (morphologic abnormality)
49841001	T-A1740	Third ventricle structure (body structure)
49848007	T-32620	Structure of myocardium of left ventricle (body structure)
49852007	T-49250	Structure of median cubital vein (body structure)
49872002	L-30000	Virus (organism)
49992008	C-913A4	Dexamethasone sodium phosphate (product)
49998007	C-60700	Sufentanil (substance)
50016007	T-11240	Structure of costal cartilage (body structure)
50062004	C-22889	Fuchsin basic stain (substance)
50125003	L-80874	Shetland sheepdog (organism)
50193000	T-C4622	Intermediate external iliac lymph node (body structure)
50318003	C-A1204	Progesterone preparation (product)
50408007	T-44400	Structure of left pulmonary artery (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
50441005	L-80A59	Turkish angora cat (organism)
50519007	T-D4110	Structure of right upper quadrant of abdomen (body structure)
50536004	T-F1810	Structure of umbilical artery (body structure)
50672002	C-14700	Hafnium (substance)
50697003	P1-C0010	General anesthesia (procedure)
50717006	L-80308	Cheviot sheep (organism)
50755001	T-13450	Structure of scalenus anterior muscle (body structure)
50849002	P0-10800	Emergency room admission (procedure)
50916005	M-74220	Fibrosing adenosis (morphologic abnormality)
50920009	D3-26000	Myocarditis (disorder)
50959000	L-80173	Tarentaise cattle breed (organism)
50960005	M-37000	Hemorrhage (morphologic abnormality)
51023000	L-80459	Tennessee walking horse (organism)
51114001	T-41000	Arterial structure (body structure)
51159009	T-13630	Structure of teres minor muscle (body structure)
51185008	T-D3000	Thoracic structure (body structure)
51249003	T-48540	Structure of inferior left pulmonary vein (body structure)
51282000	T-11510	Bone structure of spine (body structure)
51283005	T-11160	Palatine bone structure (body structure)
51299004	T-12310	Bone structure of clavicle (body structure)
51345006	T-B4000	Carotid body structure (body structure)
51398009	M-75500	Hamartoma (morphologic abnormality)
51420009	C-10940	Silicon (substance)
51440002	G-A102	Right and left (qualifier value)
51549004	M-88903	Leiomyosarcoma, no subtype (morphologic abnormality)
51567006	C-22874	Sirius red F3B stain (substance)
51599000	D2-04460	Edema of larynx (disorder)
51668007	M-32320	Mycotic aneurysm (morphologic abnormality)
51678005	T-54660	Structure of deciduous maxillary left central incisor tooth (body structure)
51683002	P1-A3102	Radial keratotomy (procedure)
51692004	L-80A42	Devon rex cat breed (organism)
51698000	T-12287	Structure of dorsal aspect of scapula (body structure)
51795009	F-10240	Musculoskeletal torsion (observable entity)
51800004	C-136B6	^222^Radon (substance)
51845000	F-10326	Anatomical position (finding)
51852003	T-F6800	Embryonic vascular structure (body structure)
51937006	L-80144	Jersey cattle breed (organism)
51943008	T-54700	Structure of deciduous maxillary left second molar tooth (body structure)
52017007	C-85800	Antiemetic (product)
52019005	F-10220	External rotation, function (observable entity)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
52082005	T-18010	Structure of ligament (body structure)
52101004	G-A203	Present (qualifier value)
52105008	L-80900	Vizsla superbreed (organism)
52124006	A-26810	Central venous catheter, device (physical object)
52253003	L-80806	Newfoundland dog (organism)
52359001	T-49340	Structure of radial vein (body structure)
52374004	T-11156	Ethmoid bone structure (body structure)
52408003	C-B1111	Iodinated I^131^ gamma globulin (substance)
52433000	T-43121	Structure of proximal portion of circumflex branch of left coronary artery (body structure)
52509009	T-11220	Structure of body of sternum (body structure)
52554005	T-C4841	Superior medial inguinal lymph node (body structure)
52612000	T-D2300	Lumbar region back structure (body structure)
52687003	T-12746	Bone structure of shaft of tibia (body structure)
52731004	T-D4010	Abdominal cavity structure (body structure)
52745005	C-129A2	^51^Chromium (substance)
52836003	C-21403	Paraformaldehyde (substance)
52856002	M-32360	Cylindroid aneurysm (morphologic abnormality)
52943005	T-A1710	Structure of posterior horn of lateral ventricle (body structure)
52946002	L-80705	Affenpinscher (organism)
52952001	L-807C5	Irish wolfhound (organism)
52988006	M-01100	Lesion (morphologic abnormality)
53031002	L-80120	Dexter cattle breed (organism)
53036007	T-D8040	Wing structure (body structure)
53074004	T-C4320	Structure of hilar lymph node (body structure)
53085002	T-32500	Right ventricular structure (body structure)
53118009	T-A1720	Structure of inferior horn of lateral ventricle (body structure)
53120007	T-D8000	Upper limb structure (body structure)
53151000	M-52130	Fatty streaks (morphologic abnormality)
53207004	C-B1092	Diiodofluorescein I^131^ (substance)
53228008	L-80709	Alaskan malamute (organism)
53238003	T-A8060	Optic tract structure (body structure)
53315004	C-128A2	^68^Germanium (substance)
53342003	T-21300	Internal nose structure (body structure)
53350007	A-04000	Prosthesis, device (physical object)
53360003	L-80338	Oxford Down sheep (organism)
53430007	F-8A030	Pain of breast (finding)
53431006	L-80523	Boar power pig 59 (organism)
53438000	P5-C0000	Radiation therapy procedure or service (procedure)
53505006	T-59900	Anal structure (body structure)
53511009	C-22812	Tropaeolin OO stain (substance)
53520000	T-A9605	Autonomic nerve structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
53549008	T-45400	Structure of ophthalmic artery (body structure)
53567001	L-80458	Suffolk horse (organism)
53585008	P5-D5000	Radioisotope study of gastrointestinal system (procedure)
53617003	P2-22010	Monitoring of respiration (regime/therapy)
53620006	T-15290	Temporomandibular joint structure (body structure)
53654007	M-88103	Fibrosarcoma (morphologic abnormality)
53655008	T-43210	Structure of posterior descending branch of right coronary artery (body structure)
53700003	C-127A3	^67^Copper (substance)
53727004	T-29200	Left pleura structure (body structure)
53741008	D3-13040	Coronary arteriosclerosis (disorder)
53840002	T-D9440	Structure of calf of leg (body structure)
53843000	T-D6407	Structure of rectouterine pouch (body structure)
53922000	L-807C9	Japanese chin dog (organism)
53951001	C-B1213	Technetium Tc^99m^ oxidronate (substance)
53958007	P1-0D300	Harvesting of donor material (procedure)
53967007	T-14161	Structure of external intercostal muscle (body structure)
54002007	M-32340	Saccular aneurysm (morphologic abnormality)
54019009	T-61300	Submandibular salivary apparatus (body structure)
54066008	T-55000	Pharyngeal structure (body structure)
54098002	L-80415	Arabian horse (organism)
54102005	G-F211	G1 grade (finding)
54165005	T-A1520	Structure of cisterna magna (body structure)
54221006	C-22832	Orange G stain (substance)
54232006	L-80660	Welsh pig (organism)
54247002	T-42100	Ascending aorta structure (body structure)
54268001	T-C4600	Pelvic lymph node structure (body structure)
54300008	G-D002	Vaginal approach (qualifier value)
54409005	T-45308	Structure of carotid siphon (body structure)
54432009	C-22961	Alizarin blue S stain (substance)
54446009	F-63750	Lysolecithin (substance)
54447000	L-80424	Haflinger horse (organism)
54493002	M-35063	Intramural hematoma (morphologic abnormality)
54640009	P5-32130	Aortography (procedure)
54699009	L-80408	American miniature horse (organism)
54735007	T-11AD0	Bone structure of sacrum (body structure)
54791001	C-22811	Metanil yellow stain (substance)
54858000	L-80779	Scottish deerhound (organism)
54993008	F-32110	Cardiac index (observable entity)
55011004	G-A555	Steady (qualifier value)
55024004	T-11102	Optic canal structure (body structure)
55058007	L-807C0	Griffon dog (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
55060009	T-22200	Frontal sinus structure (body structure)
55117002	C-142B2	^137^Cesium (substance)
55167009	L-80414	Appaloosa horse (organism)
55199003	M-75300	Hypoplasia (morphologic abnormality)
55233005	T-A2850	Structure of inferior longitudinal fasciculus (body structure)
55494003	C-B1205	Technetium Tc^99m^ albumin microspheres (substance)
55499008	T-12714	Structure of lesser trochanter of femur (body structure)
55530007	L-80211	La Mancha goat (organism)
55584005	M-35300	Embolus (morphologic abnormality)
55607006	F-01000	Problem (finding)
55673009	C-B1088	Iothalamate sodium I^125^ (product)
55678000	T-11512	Structure of spinous process of vertebra (body structure)
55745002	C-80450	Propranolol (product)
55814006	C-B1090	Iodinated I^131^ aggregated albumin (substance)
55831004	C-22888	Xylene cyanol FF stain (substance)
55855009	D3-90000	Disorder of pericardium (disorder)
55864004	F-10330	Kneeling (finding)
55921005	M-97323	Multiple myeloma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
55940004	T-C5300	Adenoidal structure (body structure)
55959002	L-80763	Blue tick coonhound (organism)
56006008	C-B1072	Indium^113^ oxoquinoline platelet label (substance)
56021002	M-36050	Seroma (morphologic abnormality)
56052001	T-A8410	Facial nerve structure (body structure)
56084008	L-80529	Boar power pig 292 (organism)
56086005	L-80437	Paso Fino horse (organism)
56193007	T-A8070	Oculomotor nerve structure (body structure)
56208002	M-38000	Ulcer (morphologic abnormality)
56243001	L-80773	Wirehaired miniature dachshund (organism)
56265001	D3-10000	Heart disease (disorder)
56329008	T-B1000	Pituitary structure (body structure)
56353002	A-13600	Staple, device (physical object)
56400007	T-48740	Structure of renal vein (body structure)
56459004	T-D9700	Foot structure (body structure)
56468002	M-91220	Venous hemangioma (morphologic abnormality)
56475001	C-B1062	Disodium indium^111^ (substance)
56609000	C-145A4	^111^Indium (substance)
56757003	P1-03154	Scraping (procedure)
56786000	D3-29051	Pulmonic valve stenosis (disorder)
56789007	T-43205	Structure of ostium of right coronary artery (body structure)
56849005	T-49650	Structure of popliteal vein (body structure)
56851009	G-A437	Maximal (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
56867003	C-B1073	Indium^113^ oxoquinoline red blood cell label (substance)
56873002	T-11210	Bone structure of sternum (body structure)
56917006	L-80A41	Cornish rex cat breed (organism)
56953008	F-60710	Osmolality (observable entity)
56984005	L-80781	Drever dog (organism)
57034009	T-42300	Aortic arch structure (body structure)
57054005	D3-15100	Acute myocardial infarction (disorder)
57120006	L-80766	Treeing walker coonhound (organism)
57126000	C-20005	Glue (substance)
57134006	A-00110	Instrument, device (physical object)
57141000	M-84013	Apocrine adenocarcinoma (morphologic abnormality)
57177007	G-0002	Family history with explicit context (situation)
57183005	G-A174	Along edge (qualifier value)
57190000	DA-74120	Myopia (disorder)
57195005	G-A123	Basal (qualifier value)
57238002	P1-30530	Selective embolization of artery (procedure)
57349006	L-80743	Long and short coat chihuahua (organism)
57383004	T-32831	Structure of right branch of atrioventricular bundle (body structure)
57396003	T-43120	Structure of circumflex branch of left coronary artery (body structure)
57429001	L-80771	Longhaired miniature dachshund (organism)
57485005	P2-22500	Oxygen therapy (procedure)
57597008	M-74200	Adenosis (morphologic abnormality)
57613003	L-80593	Kleen leen white pig (organism)
57651003	T-14030	Structure of iliocostalis muscle (body structure)
57671007	T-96000	Vas deferens structure (body structure)
57753006	C-22857	Brilliant yellow stain (substance)
57754000	M-32221	Varicose aneurysm (morphologic abnormality)
57823005	T-43125	Structure of left posterior lateral branch of circumflex branch of left coronary artery (body structure)
57826002	T-54250	Structure of maxillary right first premolar tooth (body structure)
57849000	L-80872	Gordon setter (organism)
57850000	T-46400	Structure of celiac artery (body structure)
57947002	L-80862	Giant schnauzer (organism)
58095006	T-32150	Interatrial septum structure (body structure)
58100008	G-D102	Intra-arterial route (qualifier value)
58108001	L-80844	Golden retriever (organism)
58116005	L-80811	Otter hound (organism)
58130000	T-C4230	Structure of jugular lymph node (body structure)
58190003	F-39200	Vascular flow, function (observable entity)
58264006	L-80440	Pinto (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
58281002	C-17800	Gadolinium (substance)
58311005	L-80604	Dutch landrace pig (organism)
58322009	F-20020	Expiration (observable entity)
58341007	L-80753	Rough and smooth collie (organism)
58541008	C-155A2	^24^Sodium (substance)
58602004	T-D2310	Flank structure (body structure)
58631000	C-22839	Eriochrome blue black SE stain (substance)
58646007	T-54740	Structure of deciduous mandibular right first molar tooth (body structure)
58718002	D3-17100	Rheumatic fever (disorder)
58742003	T-12980	Structure of sesamoid bone of foot (body structure)
58755002	C-22954	Water soluble anthracene brown stain (substance)
58888001	L-80887	Parti-color cocker spaniel (organism)
59011009	T-45800	Structure of basilar artery (body structure)
59057006	C-A7021	Antihemophilic factor preparation (product)
59066005	T-11133	Mastoid structure (body structure)
59082006	C-A7430	Urokinase (substance)
59118001	D3-33110	Right bundle branch block (disorder)
59210004	L-80335	Navajo sheep (organism)
59214008	P1-48830	Reduction mammoplasty (procedure)
59218006	P2-35440	Temporary transcutaneous pacing (procedure)
59282003	D3-40230	Pulmonary embolism (disorder)
59351004	F-61080	Citrate (substance)
59438005	T-43110	Structure of anterior descending branch of left coronary artery (body structure)
59441001	T-C4000	Structure of lymph node (body structure)
59492009	L-80774	Longhaired standard dachshund (organism)
59503006	T-C4160	Structure of submandibular lymph node (body structure)
59528003	L-80849	Saluki dog (organism)
59643008	L-807B1	French bulldog (organism)
59652004	T-32100	Atrial structure (body structure)
59667000	L-80572	FHC elite pig 2 (organism)
59749000	T-45410	Structure of lacrimal artery (body structure)
59752008	T-A7081	Dorsal funiculus structure (body structure)
59820001	T-40000	Blood vessel structure (body structure)
59844004	C-135A2	^42^Potassium (substance)
59972007	F-32030	Atrial systole, function (observable entity)
59975009	L-807A5	English foxhound (organism)
60001007	F-81890	Not pregnant (finding)
60005003	T-14110	Pectoralis major muscle structure (body structure)
60028002	T-49010	Structure of uterine vein (body structure)
60046008	D2-80100	Pleural effusion (disorder)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
60057003	C-138A9	^201^Thallium (substance)
60074003	F-10120	Abduction, function (observable entity)
60105000	T-A2781	Structure of tapetum of corpus callosum (body structure)
60113004	DA-76000	Disorder of eyelid (disorder)
60132005	G-A366	Generalized (qualifier value)
60176003	T-45540	Structure of anterior cerebral artery (body structure)
60184004	T-59470	Sigmoid colon structure (body structure)
60213007	G-D107	Intramedullary route (qualifier value)
60227002	T-C4614	Subaortic common iliac lymph node (body structure)
60234000	D3-29022	Aortic valve regurgitation (disorder)
60252000	L-80836	Pug dog (organism)
60441008	C-22853	Trypan blue stain (substance)
60459006	C-B1124	Iron Fe^59^ labeled dextran (substance)
60517007	L-80911	Cardigan Welsh corgi (organism)
60533005	C-A7001	Astringent drug (product)
60573004	D3-29021	Aortic valve stenosis (disorder)
60583000	G-A120	Postaxial (qualifier value)
60614009	S-10161	Natural brother (person)
60621009	F-01860	Body mass index (observable entity)
60732002	D4-31310	Atrial septal defect with endocardial cushion defect, partial type (disorder)
60734001	T-49530	Great saphenous vein structure (body structure)
60739006	C-22957	Waxoline blue stain (substance)
60797005	F-32050	Cardiac wall motion, function (observable entity)
60819002	T-D1206	Cheek structure (body structure)
60835009	T-42350	Structure of postductal region of aortic arch (body structure)
60911003	T-11130	Temporal bone structure (body structure)
60920007	C-22902	Fuchsin acid stain (substance)
60958006	L-80620	Maryland pig (organism)
60965003	T-C4670	Structure of epigastric lymph node (body structure)
60996007	T-C4002	Structure of deep lymph node (body structure)
61026006	G-F213	G3 grade (finding)
61036003	L-80533	Boar power pig 545 (organism)
61068006	C-22926	Thioflavine T stain (substance)
61083001	L-80630	Minnesota pig (organism)
61088005	C-2A000	Plastic (substance)
61242005	T-AA813	Lateral canthus structure (body structure)
61286000	L-80835	Pudelpointer (organism)
61320006	L-80896	Tahltan bear dog (organism)
61397002	G-A172	Subcapsular (qualifier value)
61405001	L-80864	Scottish terrier (organism)
61420007	PA-00620	Tube feeding of patient (regime/therapy)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
61490001	D3-12001	Angina, class I (disorder)
61492009	T-C4440	Structure of hepatic lymph node (body structure)
61593002	P5-B0700	Ultrasonic guidance procedure (procedure)
61671002	T-11134	Structure of internal acoustic meatus of temporal bone (body structure)
61685007	T-D9000	Lower limb structure (body structure)
61695000	T-1A180	Tunica media vasorum (body structure)
61716009	C-173A5	^81m^Krypton (substance)
61746007	PA-00500	Taking patient vital signs (procedure)
61753003	L-80A51	Colorpoint shorthaired cat (organism)
61773008	C-80401	Lidocaine hydrochloride (substance)
61853006	T-1151F	Spinal canal structure (body structure)
61868007	T-54750	Structure of deciduous mandibular right second molar tooth (body structure)
61897005	T-54320	Structure of maxillary left first premolar tooth (body structure)
61946003	C-A0900	Estrogenic preparation (product)
61959006	D4-31400	Common truncus arteriosus (disorder)
61962009	T-A5100	Midbrain structure (body structure)
61968008	A-10150	Syringe, device (physical object)
61973002	L-80565	Dekalb hybrid pig line 61 (organism)
62026008	D3-33150	Left posterior fascicular block (disorder)
62064005	M-90503	Mesothelioma, malignant (morphologic abnormality)
62067003	D4-31A00	Hypoplastic left heart syndrome (disorder)
62137007	L-80845	Labrador retriever (organism)
62153005	L-80112	Blonde d'Aquitaine (organism)
62189002	M-52103	Ulcerated atheromatous plaque (morphologic abnormality)
62228004	L-80888	English Springer spaniel (organism)
62275004	D3-02004	Hypertensive episode (disorder)
62296006	S-10116	Natural grandfather (person)
62372003	G-A137	Segmental (qualifier value)
62413002	T-12420	Bone structure of radius (body structure)
62442005	C-B0316	Chloriodized oil (substance)
62482003	G-A374	Low (qualifier value)
62517004	C-B1011	Sodium chromate Cr^51^ (substance)
62555009	T-15317	Structure of atlantoaxial joint (body structure)
62630005	T-C4352	Supramammary lymph node (body structure)
62683002	T-C4360	Mediastinal lymph node structure (body structure)
62736007	T-AA830	Lower eyelid structure (body structure)
62790004	L-80807	Norfolk terrier (organism)
62818001	T-B1100	Adenohypophysis structure (body structure)
62824007	G-A117	Transverse (qualifier value)
62834003	T-50110	Upper gastrointestinal tract structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
62869001	T-48286	Structure of central vein of the retina (body structure)
62872008	T-A2980	Structure of anterior commissure (body structure)
63130001	M-78280	Surgical scar (morphologic abnormality)
63161005	G-A332	Principal (qualifier value)
63264007	M-89803	Carcinosarcoma (morphologic abnormality)
63269002	L-80761	American coonhound (organism)
63289001	A-12020	Surgical metal nail, device (physical object)
63360001	C-168A4	^89^Zirconium (substance)
63390008	L-80834	Portuguese water dog (organism)
63467002	D3-33120	Left bundle branch block (disorder)
63507001	T-48930	Structure of external iliac vein (body structure)
63562005	A-12210	Cervical collar, device (physical object)
63634009	M-94403	Glioblastoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
63697000	P1-36858	Cardiopulmonary bypass operation (procedure)
63754004	C-16200	Yttrium (substance)
63762007	T-04080	Both breasts (body structure)
63929007	C-22905	Alkali blue 6B stain (substance)
63972001	L-80A32	Ocicat (organism)
64033007	T-71000	Kidney structure (body structure)
64038003	T-C4370	Intercostal lymph node (body structure)
64112001	C-22878	Fast blue RR salt stain (substance)
64131007	T-48710	Inferior vena cava structure (body structure)
64158000	L-80208	Angora goat (organism)
64234005	T-12730	Bone structure of patella (body structure)
64318009	P5-00032	Diagnostic radiography, stereotactic localization (procedure)
64468002	T-46310	Structure of bronchial artery (body structure)
64488003	C-B1100	Iodinated I^125^ human serum albumin (substance)
64520006	C-A6710	Protamine sulfate (substance)
64556009	T-C4612	Structure of intermediate common iliac lymph node (body structure)
64572001	DF-00000	Disease (disorder)
64591001	L-80323	Karakul sheep (organism)
64605006	T-1274B	Bone structure of distal tibia (body structure)
64634000	DA-75300	Corneal opacity (disorder)
64658001	T-14166	Structure of subcostal muscle (body structure)
64688005	T-11BF0	Bone structure of coccyx (body structure)
64715009	D3-02500	Hypertensive heart disease (disorder)
64730000	F-33300	Normal sinus rhythm (finding)
64739004	T-93000	Seminal vesicle structure (body structure)
64957009	G-A648	Uncertain (qualifier value)
64991008	C-22975	Soluble berlin blue stain (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
65026000	C-68050	Ephedrine (product)
65054007	C-141A1	^62^Zinc (substance)
65123005	F-61620	Choline (substance)
65124004	M-02570	Swelling (finding)
65156006	C-B1215	Technetium Tc^99m^ pyrophosphate and polyphosphate (substance)
65187008	L-80307	Black faced Highland sheep (organism)
65197004	T-35310	Structure of anulus fibrosus of mitral orifice (body structure)
65216001	T-A1000	Cerebrospinal fluid (substance)
65240009	P1-86E70	Obstetrical version (procedure)
65265006	F-D7B50	Thromboplastin (product)
65266007	T-C4820	Structure of deep inguinal lymph node (body structure)
65344003	L-80150	Marchigiana cattle breed (organism)
65345002	C-2A400	Epoxy resin (substance)
65349008	T-C4620	Structure of external iliac lymph node (body structure)
65355003	T-45110	Right common carotid artery structure (body structure)
65388005	P5-B8310	Ultrasonic guidance for amniocentesis (procedure)
65431007	T-AA260	Structure of corneal endothelium (body structure)
65445001	C-22897	Ethyl violet stain (substance)
65492002	L-80326	Lincoln sheep (organism)
65577000	A-2C152	X-ray shield, device (physical object)
65580004	C-22953	Alizarin red S stain (substance)
65624003	T-54620	Structure of deciduous maxillary right lateral incisor tooth (body structure)
65656005	S-10121	Natural mother (person)
65659003	P1-30351	Atherectomy by rotary cutter (procedure)
65690001	T-C4340	Structure of paratracheal lymph node (body structure)
65692009	M-80323	Spindle cell carcinoma (morphologic abnormality)
65694005	L-80A55	Siamese cat (organism)
65709003	G-A324	Disseminated (qualifier value)
65730007	C-22829	Ponceau 3R stain (substance)
65801008	P1-03000	Excision (procedure)
65818007	A-25500	Stent, device (physical object)
65877006	M-90100	Fibroadenoma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
66019005	T-D0300	Limb structure (body structure)
66130006	F-32330	Left to right cardiovascular shunt (finding)
66168008	L-80425	Hanoverian horse (organism)
66303006	T-54350	Structure of maxillary left second molar tooth (body structure)
66314009	L-80147	Longhorn cattle breed (organism)
66377006	P5-D0042	Radionuclide localization of tumor, limited area (procedure)
66459002	G-A103	Unilateral (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
66495005	L-80738	Cavalier King Charles spaniel (organism)
66559000	T-46421	Structure of common hepatic artery (body structure)
66562002	C-F3302	Cigarette smoking tobacco (substance)
66657009	D3-31710	Paroxysmal ventricular tachycardia (disorder)
66712005	L-80727	Bouvier des Flandres (organism)
66720007	T-A1650	Lateral ventricle structure (body structure)
66739002	G-D001	Abdominal approach (qualifier value)
66754008	T-59200	Appendix structure (body structure)
66787007	G-A107	Cephalic (qualifier value)
66857006	F-24210	Hemoptysis (disorder)
66859009	C-81590	Dipyridamole (product)
66911005	L-80130	Galloway cattle breed (organism)
67046006	T-AA621	Structure of fovea centralis (body structure)
67088002	L-80782	English toy spaniel (organism)
67170007	T-41100	Lumen of artery (body structure)
67338003	P1-31612	Cardiac catheterization, left heart, transseptal (procedure)
67362008	D3-83300	Aortic aneurysm (disorder)
67414001	L-80311	Cotswold sheep (organism)
67440007	C-80131	Alpha-adrenergic blocking agent (product)
67448000	L-80133	German Fleck-Vieh cattle breed (organism)
67453005	T-12780	Bone structure of talus (body structure)
67507000	C-80110	Antiarrhythmic drug (product)
67515002	L-80310	Corriedale sheep (organism)
67617000	M-72170	Intraductal hyperplasia (morphologic abnormality)
67629009	P1-31604	Catheterization of left heart (procedure)
67684001	L-80813	Pekingese dog (organism)
67690002	C-B1081	Sodium iodide I^123^ (substance)
67701001	T-A6640	Inferior cerebellar peduncle structure (body structure)
67720004	L-80575	FHC elite pig 5 (organism)
67763001	D3-04001	Hypotensive episode (disorder)
67834006	T-54710	Structure of deciduous mandibular right central incisor tooth (body structure)
67937003	T-47100	Structure of axillary artery (body structure)
67941004	T-C4331	Structure of superior tracheobronchial lymph node (body structure)
67956008	C-22928	Neutral red stain (substance)
67966000	A-26440	Enema tube, device (physical object)
67977006	L-80883	Clumber spaniel (organism)
68053000	T-47700	Structure of anterior tibial artery (body structure)
68085002	T-54210	Structure of maxillary right third molar tooth (body structure)
68086001	L-80A33	Persian cat (organism)
68171009	T-C4710	Axillary lymph node structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
68183006	A-12030	Bone screw, device (physical object)
68235000	F-24442	Nasal congestion (finding)
68237008	D4-33622	Partial anomalous pulmonary venous connection (disorder)
68263003	C-22804	Janus green B stain (substance)
68276009	A-27500	Bottle, device (physical object)
68300000	T-32210	Structure of right auricular appendage (body structure)
68339009	T-C4144	Superficial intraparotid lymph node (body structure)
68367000	T-D9100	Thigh structure (body structure)
68453008	M-80103	Carcinoma, no subtype (morphologic abnormality)
68457009	P5-31500	Percutaneous transluminal balloon angioplasty (procedure)
68459007	C-22833	Crystal ponceau stain (substance)
68493006	G-A169	Gutter (qualifier value)
68496003	D5-41170	Polyp of colon (disorder)
68505006	T-D4140	Structure of left lower quadrant of abdomen (body structure)
68512002	L-80526	Boar power pig 141 (organism)
68523003	T-A2030	Cerebral white matter structure (body structure)
68552000	L-80200	Caprine species (organism)
68580003	C-130A3	^59^Iron (substance)
68630002	C-114A6	^125^Iodine (substance)
68703001	T-AA310	Choroidal structure (body structure)
68705008	T-49110	Structure of axillary vein (body structure)
68787002	T-43111	Structure of proximal portion of anterior descending branch of left coronary artery (body structure)
68796002	P5-D1000	Radioisotope study of musculoskeletal system (procedure)
68878000	T-C4442	Structure of lymph node of epiploic foramen (body structure)
68881005	T-C4513	Structure of superior rectal lymph node (body structure)
68915008	T-C4210	Structure of lateral cervical lymph node (body structure)
68967007	C-B1087	Iodocholesterol I^131^ (substance)
68978004	F-25040	Hyperventilation (finding)
69067004	L-80452	Shetland pony (organism)
69076006	C-B1180	Strontium chloride Sr^85^ (substance)
69089000	C-130A1	^52^Iron (substance)
69105007	T-45010	Carotid artery structure (body structure)
69133007	C-22862	Sudan IV stain (substance)
69158002	P2-35200	Intra-atrial pacing (procedure)
69245005	P1-05035	Intra-arterial infusion of thrombolytic agent (procedure)
69249004	L-80903	Weimaraner (organism)
69255009	T-C4630	Structure of hypogastric lymph node (body structure)
69327007	T-46200	Structure of internal thoracic artery (body structure)
69421009	T-46423	Structure of right branch of hepatic artery (body structure)
69440003	C-80123	Cardiotonic agent (substance)
69461005	L-80553	Chester white pig (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
69474004	L-80850	Samoyed dog (organism)
69529009	L-80724	Border terrier (organism)
69536005	T-D1100	Head structure (body structure)
69592005	L-80863	Standard schnauzer (organism)
69602006	L-80590	Kleen leen pig (organism)
69691007	T-C4750	Structure of pectoral axillary lymph node (body structure)
69695003	T-57000	Stomach structure (body structure)
69748006	T-B6000	Thyroid structure (body structure)
69783005	C-B0324	Meglumine iodipamide (substance)
69805005	A-28040	Insulin pump, device (physical object)
69833005	T-47410	Structure of right femoral artery (body structure)
69839009	C-B1096	Iodinated I^125^ povidone (substance)
69855002	L-80A06	American shorthair cat (organism)
69862006	L-80775	Smooth standard dachshund (organism)
69930009	T-65010	Pancreatic duct structure (body structure)
69954004	D3-87780	Thrombophlebitis of breast (disorder)
69986009	L-80700	Canine species (organism)
70007007	T-A5160	Substantia nigra structure (body structure)
70074004	T-26100	Right main bronchus structure (body structure)
70086001	C-B1304	Cholyl-carbon^14^ glycine (substance)
70105001	T-A2880	Structure of optic radiation (body structure)
70106000	F-63600	Lipid (substance)
70142008	D4-31220	Atrial septal defect (disorder)
70150004	T-60650	Bile (substance)
70154008	C-B1099	Iodinated I^125^ sodium iodine (substance)
70215001	T-A2730	Structure of genu of corpus callosum (body structure)
70232002	G-7154	Frequent (qualifier value)
70238003	T-32640	Structure of inflow tract of left ventricle (body structure)
70253006	T-48814	Structure of left main branch of portal vein (body structure)
70258002	T-15750	Ankle joint structure (body structure)
70382005	T-45900	Structure of posterior cerebral artery (body structure)
70431006	L-80205	Alpine goat (organism)
70457009	L-80428	Icelandic horse (organism)
70520000	C-22828	Ponceau xylidine stain (substance)
70544003	C-146B1	^199^Gold (substance)
70594002	M-87303	Amelanotic melanoma (morphologic abnormality)
70653001	L-80A11	British shorthaired cat (organism)
70791007	T-47040	Structure of artery of lower extremity (body structure)
70822001	F-32070	Cardiac ejection fraction, function (observable entity)
70847004	T-F1300	Structure of amnion (body structure)
70925003	T-11170	Bone structure of maxilla (body structure)
70984001	M-32260	Serpentine aneurysm (morphologic abnormality)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
70995007	D3-40300	Pulmonary hypertension (disorder)
71173004	M-01460	Compression (morphologic abnormality)
71175006	L-80736	Bullmastiff (organism)
71232009	M-90201	Phyllodes tumor, borderline (morphologic abnormality)
71252005	T-83200	Cervix uteri structure (body structure)
71271007	T-48411	Structure of coronary sinus ostium (body structure)
71341001	T-12710	Bone structure of femur (body structure)
71384000	A-17450	Warmer, device (physical object)
71388002	P0-00000	Procedure (procedure)
71425003	C-127A1	^61^Copper (substance)
71585003	T-48160	Structure of external jugular vein (body structure)
71616004	T-13001	Skeletal and/or smooth muscle structure (body structure)
71633006	C-155A1	^22^Sodium (substance)
71636003	C-B1082	Fibrinogen I^123^ (substance)
71647005	C-105A2	^14^Carbon (substance)
71651007	P5-40010	Mammography (procedure)
71758008	T-49640	Structure of peroneal vein (body structure)
71759000	C-81560	Nitroglycerin (product)
71836000	T-23000	Nasopharyngeal structure (body structure)
71854001	T-59300	Colon structure (body structure)
71908006	D3-31720	Ventricular fibrillation (disorder)
71923001	L-80607	Italian landrace pig (organism)
71957009	C-22922	Phloxin B stain (substance)
71966008	T-03000	Subcutaneous tissue structure (body structure)
72001000	T-12700	Bone structure of lower limb (body structure)
72015003	C-B1084	Iodinated I^125^ albumin (substance)
72021004	T-45210	Structure of superior thyroid artery (body structure)
72092001	D3-81100	Arteriosclerotic vascular disease (disorder)
72107004	T-48340	Structure of azygous vein (body structure)
72159005	C-B1023	Cyanocobalamin Co^60^ (substance)
72164009	F-61A90	Inositol (substance)
72166006	M-52300	Fibroelastosis (morphologic abnormality)
72184008	T-11303	Structure of neck of rib (body structure)
72329005	L-80322	Finnish landrace sheep (organism)
72371006	C-22879	Fast violet B salt stain (substance)
72381005	T-C4404	Gut-associated lymph node (body structure)
72394007	L-80412	American tunis horse (organism)
72410000	T-D3300	Mediastinal structure (body structure)
72454006	C-163A8	^99m^Technetium (substance)
72481006	T-28300	Structure of middle lobe of right lung (body structure)
72495009	M-84803	Mucinous adenocarcinoma (morphologic abnormality)
72506001	A-11206	Implantable defibrillator, device (physical object)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
72542009	T-32632	Structure of myocardium of diaphragmatic region (body structure)
72572003	C-22826	Diamond black stain (substance)
72573008	T-13620	Infraspinatus muscle structure (body structure)
72592005	T-59442	Structure of left colic flexure (body structure)
72607000	G-D108	Intrathecal route (qualifier value)
72641008	P1-C0B00	Administration of sedative (procedure)
72648002	L-80348	Suffolk sheep (organism)
72674008	T-280D0	Bronchopulmonary segment structure (body structure)
72696002	T-D9200	Knee region structure (body structure)
72717003	C-14800	Magnesium (substance)
72876007	T-54310	Structure of maxillary left canine tooth (body structure)
73002000	P2-36102	Measurement of systemic arterial pressure (regime/therapy)
73005003	L-80578	FHC elite pig 8 (organism)
73049001	L-80A44	Scottish fold cat (organism)
73050001	T-32634	Structure of myocardium of anterolateral region (body structure)
73056007	T-04020	Right breast structure (body structure)
73065000	C-B1041	Gallium^67^ citrate (substance)
73117003	T-11150	Sphenoid bone structure (body structure)
73166001	T-42580	Structure of aortic bifurcation (body structure)
73191001	L-80331	American merino sheep (organism)
73212002	C-B0318	Iodipamide (product)
73219006	M-88610	Angiolipoma (morphologic abnormality)
73251007	C-22A02	Auramine G stain (substance)
73271003	L-80A19	Domestic leopard cat (organism)
73318001	L-80820	Pointer (organism)
73319009	L-80760	Coonhound (organism)
73400003	T-11513	Structure of transverse process of vertebra (body structure)
73544002	P1-32000	Operation on heart valve (procedure)
73580002	T-48430	Structure of middle cardiac vein (body structure)
73634005	T-46710	Common iliac artery structure (body structure)
73648005	L-80661	Wessex saddleback pig (organism)
73678001	S-10151	Natural sister (person)
73685002	C-B1231	Thallous chloride Tl^201^ (substance)
73745003	C-B1093	Iodinated I^125^ oleic acid and triolein (substance)
73774007	D3-28102	Subacute bacterial endocarditis (disorder)
73829009	T-32200	Right atrial structure (body structure)
73892005	C-22971	Carmine stain (substance)
73930003	T-14150	Structure of levator costae muscle (body structure)
73931004	T-48813	Structure of right main branch of portal vein (body structure)
73937000	T-54680	Structure of deciduous maxillary left canine tooth (body structure)
73949004	C-67770	Atropine (product)
74021003	D3-33200	Bifascicular block (disorder)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
74031005	T-32832	Left bundle branch structure (body structure)
74135004	T-15009	Meniscus structure of joint (body structure)
74156002	T-47660	Structure of medial plantar artery (body structure)
74160004	T-02424	Skin structure of chest (body structure)
74173000	L-80847	Rhodesian ridgeback dog (organism)
74203007	T-C4260	Structure of prelaryngeal lymph node (body structure)
74262004	T-51004	Oral cavity structure (body structure)
74280008	M-83153	Glycogen-rich carcinoma (morphologic abnormality)
74308000	T-93010	Structure of right seminal vesicle (body structure)
74344005	T-54370	Structure of mandibular left third molar tooth (body structure)
74364000	M-80413	Small cell carcinoma (morphologic abnormality)
74386004	T-11149	Nasal bone structure (body structure)
74517004	L-80640	Montana pig (organism)
74536009	L-80716	Belgian groenendael dog (organism)
74551000	M-02560	Circumference (qualifier value)
74554008	C-B0341	Iodophthalein (substance)
74568001	L-80656	Red wattle pig (organism)
74615001	D3-31121	Tachycardia-bradycardia (disorder)
74626007	C-50013	Drug diluent (product)
74670003	T-15460	Wrist joint structure (body structure)
74745008	L-80207	Rock alpine goat (organism)
74872008	T-11110	Frontal bone structure (body structure)
74899005	L-80520	Boar power pig (organism)
74921000	L-80560	Dekalb hybrid pig line (organism)
74937006	M-52102	Complicated atheromatous plaque (morphologic abnormality)
74947009	C-10080	Gaseous substance (substance)
74970001	L-80527	Boar power pig 161 (organism)
75040000	T-C4143	Deep intraparotid lymph node (body structure)
75042008	T-A1220	Arachnoid structure (body structure)
75053002	D3-81660	Acute febrile mucocutaneous lymph node syndrome (disorder)
75093004	T-02480	Skin structure of abdomen (body structure)
75118006	PA-00600	Feeding patient (regime/therapy)
75129005	T-1242B	Bone structure of distal radius (body structure)
75245000	T-26500	Left main bronchus structure (body structure)
75294000	G-A600	Descending (qualifier value)
75319007	T-11219	Structure of clavicular notch of sternum (body structure)
75367002	F-31000	Blood pressure (observable entity)
75397005	T-42340	Structure of preductal region of aortic arch (body structure)
75494002	L-807C6	Irish terrier (organism)
75531005	T-47020	Structure of artery of upper extremity (body structure)
75540009	G-A373	High (qualifier value)
75573002	T-C5100	Tonsillar structure (palatine) (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
75696008	C-166A2	^45^Titanium (substance)
75709004	L-80650	Pic pig (organism)
75753009	M-35000	Blood clot (morphologic abnormality)
75772009	T-12800	Bone structure of navicular (body structure)
75777003	F-CB250	Cytokine (substance)
75902001	T-43124	Structure of atrioventricular branch of circumflex branch of left coronary artery (body structure)
75911001	L-80751	Bearded collie (organism)
75956008	C-22967	Hematein stain (substance)
75959001	C-781E0	Tamoxifen (product)
75976002	G-4041	Mild risk of (contextual qualifier) (qualifier value)
76001002	C-22916	Pyronine B stain (substance)
76015000	T-46420	Hepatic artery (body structure)
76025005	P1-31876	Correction of ventricular septal defect (procedure)
76048000	C-22929	Azocarmine G (GX) stain (substance)
76117006	T-45430	Structure of central retinal artery (body structure)
76155001	C-B0328	Iopanoic acid (product)
76171001	F-20240	Air trapping (finding)
76197007	M-72000	Hyperplasia (morphologic abnormality)
76267008	D3-29050	Pulmonary valve disorder (disorder)
76290003	T-C4633	Structure of superior gluteal lymph node (body structure)
76302002	L-80456	Spanish mustang horse (organism)
76351004	L-80914	Whippet dog (organism)
76364003	L-80521	Boar power pig 27 (organism)
76365002	T-04004	Structure of upper outer quadrant of breast (body structure)
76388001	F-38277	ST segment elevation (finding)
76439002	C-22859	Fat red 7B stain (substance)
76467006	L-80454	Quarter horse (organism)
76497003	L-80132	Gelbveih cattle breed (organism)
76505004	T-D8810	Thumb structure (body structure)
76554006	L-80717	Belgian laeken dog (organism)
76604009	L-80153	Nellore cattle breed (organism)
76605005	C-22866	Biebrich scarlet stain (substance)
76611008	P1-30352	Atherectomy by laser (procedure)
76633005	C-22875	Fast red TR salt stain (substance)
76649007	D7-90382	Sebaceous cyst of skin of breast (disorder)
76659008	T-C4475	Structure of pancreaticoduodenal lymph node (body structure)
76704003	T-C4842	Superior lateral inguinal lymph node (body structure)
76710003	T-AA650	Structure of external limiting membrane of retina (body structure)
76724004	L-807C3	Harrier dog (organism)
76752008	T-04000	Breast structure (body structure)
76784001	T-82000	Vaginal structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
76838003	T-C4220	Structure of supraclavicular lymph node (body structure)
76848001	T-39000	Pericardial structure (body structure)
76862008	T-43105	Structure of ostium of left coronary artery (body structure)
76878005	T-C4456	Structure of lymph node of greater curvature of stomach (body structure)
76925007	C-22903	Alkali blue 5B (4B) stain (substance)
76927004	P5-D7000	Radioisotope study of genitourinary system (procedure)
76994004	L-80808	Norwegian elkhound (organism)
77004003	C-111A1	^18^Fluorine (substance)
77012006	T-F1320	Amniotic fluid (substance)
77073008	C-22941	Nile blue stain (substance)
77130001	T-54430	Structure of mandibular left lateral incisor tooth (body structure)
77176002	S-32000	Smoker (finding)
77213006	L-80706	Afghan hound (organism)
77236002	L-80611	Large white pig (organism)
77296004	D7-90452	Infarction of breast (disorder)
77313009	C-B1223	Technetium Tc^99m^ exametazime (substance)
77343006	P5-009A0	Angiography (procedure)
77386006	F-84000	Patient currently pregnant (finding)
77444004	A-12024	Bone pin, device (physical object)
77477000	P5-08000	Computerized axial tomography (procedure)
77510008	C-B1071	Indium^113^ oxoquinoline white blood cell label (substance)
77568009	T-D2100	Back structure, excluding neck (body structure)
77583004	T-35410	Structure of anulus fibrosus of aorta (body structure)
77621008	T-D1620	Structure of supraclavicular region of neck (body structure)
77671006	F-B1810	Antidiuretic hormone (substance)
77720000	A-12062	Clip, device (physical object)
77778009	T-C4474	Structure of pancreatic lymph node (body structure)
77831004	T-04002	Structure of upper inner quadrant of breast (body structure)
78014005	T-70060	Urine (substance)
78023008	C-158A5	^87m^Strontium (substance)
78067005	T-F1100	Placental structure (body structure)
78076003	T-AA700	Structure of lens of eye (body structure)
78197004	M-85012	Comedocarcinoma, noninfiltrating (morphologic abnormality)
78214003	L-807D6	Lakeland terrier (organism)
78246003	L-80804	Mexican hairless dog (organism)
78267003	D9-30400	Cocaine abuse (disorder)
78277001	T-A2500	Temporal lobe structure (body structure)
78421000	G-D103	Intramuscular route (qualifier value)
78480002	T-44200	Structure of right pulmonary artery (body structure)
78481003	C-B1108	Iofetamine I^123^ hydrochloride (substance)
78541007	L-80171	Milking Shorthorn cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
78570003	C-B1067	Indium^111^ transferrin (substance)
78678003	L-8B100	Sus scrofa (organism)
78686003	C-B1017	Copper^64^ acetate (substance)
78869007	C-22955	Nuclear fast red stain (substance)
78904004	T-D3050	Chest wall structure (body structure)
78961009	T-C3000	Splenic structure (body structure)
78972004	T-11515	Structure of pedicle of vertebra (body structure)
78994007	L-80602	British landrace pig (organism)
79058000	L-80100	Bovine species (organism)
79068005	A-30360	Needle, device (physical object)
79142001	T-44010	Suprapulmonic valve area structure (body structure)
79197006	C-159A2	^82^Rubidium (substance)
79295007	L-80726	Boston terrier (organism)
79361005	T-15200	Structure of fontanel of skull (body structure)
79458005	G-A599	Ascending (qualifier value)
79477007	C-131A1	^66^Gallium (substance)
79523006	C-113A2	^76^Bromine (substance)
79601000	T-12280	Bone structure of scapula (body structure)
79603002	L-80343	Romedale sheep (organism)
79610008	C-B1216	Technetium Tc^99m^ serum albumin (substance)
79619009	D3-29011	Mitral valve stenosis (disorder)
79652003	T-AA770	Internal structure of eyeball (body structure)
79654002	M-36300	Edema (morphologic abnormality)
79692001	F-32340	Right to left cardiovascular shunt (finding)
79811009	A-18041	Electric blanket, device (physical object)
79814001	L-80655	Poland China pig (organism)
79926007	T-C4650	Structure of sacral lymph node (body structure)
79952001	A-26860	Swan-Ganz catheter, device (physical object)
80049006	T-A2750	Structure of forceps major (body structure)
80084005	L-80612	Lucie pig (organism)
80131009	L-80600	Landrace pig (organism)
80140008	T-54480	Structure of mandibular right first premolar tooth (body structure)
80144004	T-12770	Bone structure of calcaneum (body structure)
80243003	T-AA810	Eyelid structure (body structure)
80248007	T-04030	Left breast structure (body structure)
80260008	C-B1094	Iodinated I^125^ levothyroxine (substance)
80272002	T-45160	Structure of carotid bifurcation (body structure)
80274001	F-70210	Glomerular filtration rate (observable entity)
80305003	C-22856	Pontamine sky blue 6BX stain (substance)
80313002	F-37150	Palpitations (finding)
80434005	T-A2870	Structure of vertical occipital fasciculus (body structure)
80447000	T-A1800	Structure of cerebral aqueduct (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
80576000	L-80892	Sussex spaniel (organism)
80581009	T-D4001	Upper abdomen structure (body structure)
80621003	T-A1900	Structure of choroid plexus (body structure)
80622005	T-A8130	Abducens nerve structure (body structure)
80647007	T-54260	Structure of maxillary right canine tooth (body structure)
80751004	C-172A8	^133^Xenon (substance)
80769008	T-C4860	Structure of tibial lymph node (body structure)
80777007	L-80413	Andalusian horse (organism)
80835003	L-80170	Shorthorn cattle breed (organism)
80865008	P5-40030	Specimen mammography (procedure)
80867000	T-C4631	Structure of gluteal lymph node (body structure)
80891009	T-32000	Heart structure (body structure)
80917008	C-00224	Toxin (substance)
80919006	A-61000	Jewelry (physical object)
80943009	F-01500	Risk factor (observable entity)
80979001	L-80657	San Pierre pig (organism)
81016008	T-AA630	Optic disc structure (body structure)
81040000	T-44000	Pulmonary artery structure (body structure)
81105003	T-C4200	Cervical lymph node structure (body structure)
81128002	T-42200	Structure of sinus of Valsalva (body structure)
81132008	T-C4290	Structure of scalene lymph node (body structure)
81267004	L-80154	Normande cattle breed (organism)
81274009	M-73310	Apocrine metaplasia (morphologic abnormality)
81323004	F-00001	Normal general body function (finding)
81397005	C-22A01	Auramine O stain (substance)
81502006	T-55300	Hypopharyngeal structure (body structure)
81529001	L-80723	Bloodhound (organism)
81607005	L-807D2	Keeshond (organism)
81621007	C-B1066	Indium^111^ red cell label (substance)
81654009	G-A138	Coronal (qualifier value)
81669005	M-95401	Neurofibromatosis (morphologic abnormality)
81727001	T-13300	Skeletal muscle structure of neck (body structure)
81745001	T-AA000	Structure of eye proper (body structure)
81761004	C-B1203	Technetium Tc^99m^ microaggregated albumin (substance)
81827009	M-02550	Diameter (qualifier value)
81839001	C-A6500	Anticoagulant (product)
81866001	L-80A21	Maine coon cat (organism)
81911001	C-F3310	Chewing tobacco (substance)
82078001	PA-20110	Collection of blood specimen for laboratory (procedure)
82206008	L-80885	Black cocker spaniel (organism)
82264009	C-677C0	Homatropine (product)
82280004	G-A545	Smooth (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
82334004	G-A385	Indeterminate (qualifier value)
82365008	T-C4350	Structure of parasternal lymph node (body structure)
82411007	C-22925	Rose bengal stain (substance)
82440005	L-80327	Hampshire Down sheep (organism)
82449006	A-26836	Peripheral intravenous catheter, device (physical object)
82471001	T-32300	Left atrial structure (body structure)
82474009	T-12771	Calcaneal tubercle structure (body structure)
82561000	T-15690	Symphysis pubis structure (body structure)
82566005	C-F5000	Animal feed (substance)
82573000	C-80400	Lidocaine (product)
82628004	T-54460	Structure of mandibular right lateral incisor tooth (body structure)
82676003	L-88120	Wolf (organism)
82680008	T-D0310	Digit structure (body structure)
82682000	C-22895	Victoria blue 4R stain (substance)
82711006	M-85003	Infiltrating duct carcinoma (morphologic abnormality)
82799009	F-32100	Cardiac output (observable entity)
82849001	T-D4900	Retroperitoneal compartment structure (body structure)
82909008	L-80622	Middle white pig (organism)
83018002	T-47690	Plantar arterial arch structure (body structure)
83036002	F-61760	Lactate (substance)
83059008	A-26400	Tube, device (physical object)
83173002	L-80160	Scottish Highland cattle breed (organism)
83216009	L-80733	Staffordshire bull terrier (organism)
83236005	L-80895	Saint Bernard dog (organism)
83251001	T-A2200	Frontal lobe structure (body structure)
83323007	F-12100	Bone formation, function (observable entity)
83330001	D4-32012	Patent ductus arteriosus (disorder)
83380007	T-C4458	Structure of gastro-omental lymph node (body structure)
83419000	T-49410	Femoral vein structure (body structure)
83420006	S-10181	Natural daughter (person)
83422003	P1-30022	Diagnostic procedure on blood vessel (procedure)
83423008	C-B0342	Sodium diprotrizoate (substance)
83504004	L-80793	Finnish spitz dog (organism)
83555006	T-C6010	Structure of lymphatic vessel (body structure)
83578000	G-B102	Surgical (qualifier value)
83598005	C-17200	Xenon (substance)
83600004	C-22920	Spirit soluble eosin stain (substance)
83670000	T-D4425	Peritoneal cavity structure (body structure)
83750004	C-80610	Bile acid sequestrant antilipemic agent (product)
83799000	D4-31040	Corrected transposition of great vessels (disorder)
83881004	C-12013	Aluminum oxide (substance)
83996001	L-80119	Criollo cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
84081007	L-80537	Boar power pig 747 (organism)
84114007	D3-16000	Heart failure (disorder)
84217005	C-22845	Titan yellow stain (substance)
84219008	T-C4610	Structure of iliac lymph node (body structure)
84229001	F-01360	Fatigue (finding)
84232003	L-80592	Kleen leen red pig (organism)
84301002	T-AB200	External auditory canal structure (body structure)
84315000	L-80532	Boar power pig 474 (organism)
84360004	M-02120	Ovoid shape (qualifier value)
84367001	L-80871	English setter (organism)
84386009	C-6A16E	Tribromoethanol (substance)
84421000	T-487A0	Structure of abdominal vein (body structure)
84514002	L-80708	Akita dog (organism)
84528008	L-80603	Danish landrace pig (organism)
84548001	L-807D5	Kuvasz dog (organism)
84654008	T-32833	Structure of left anterior division of left branch of atrioventricular bundle (body structure)
84656005	C-22A03	Atebrin FS stain (substance)
84660008	L-807D1	Karelian bear dog (organism)
84712000	T-32156	Structure of limbus of fossa ovalis (body structure)
84757009	DA-30000	Epilepsy (disorder)
84782009	T-A0500	Peripheral nerve structure (body structure)
84797007	L-80A43	Russian blue cat (organism)
84812008	C-A6540	Heparin (product)
84839000	L-80135	Guernsey cattle breed (organism)
84847000	C-15300	Platinum (substance)
84923006	L-80105	Aberdeen Angus cattle breed (organism)
85050009	T-12410	Bone structure of humerus (body structure)
85066006	C-22873	Azo black stain (substance)
85119005	T-D7020	Left inguinal region structure (body structure)
85144002	L-80719	Belgian sheepdog (organism)
85190005	C-22848	Bismark brown Y stain (substance)
85234005	T-45700	Structure of vertebral artery (body structure)
85235006	T-46120	Structure of left subclavian artery (body structure)
85272000	C-80430	Nifedipine (product)
85284003	D3-12003	Angina, class III (disorder)
85293002	T-1A007	Interstitial tissue (body structure)
85315007	L-80662	Yorkshire pig (organism)
85380009	T-C4843	Structure of inferior inguinal lymph node (body structure)
85383006	T-46640	Accessory renal artery (body structure)
85431000	M-32350	Fusiform aneurysm (morphologic abnormality)
85439003	T-48400	Structure of cardiac vein (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
85562004	T-D8700	Hand structure (body structure)
85596006	C-22A05	Fluorescein stain (substance)
85598007	D3-91030	Constrictive pericarditis (disorder)
85606007	P5-D3300	Radionuclide cardiac ventriculography (procedure)
85637007	T-A3700	Internal capsule structure of brain (body structure)
85659009	M-32200	Aneurysm (morphologic abnormality)
85693008	C-B1200	Technetium Tc^99m^ aggregated albumin (substance)
85710004	T-12350	Bone structure of ischium (body structure)
85726003	M-32240	Mixed aneurysm (morphologic abnormality)
85756007	T-D0050	Body tissue structure (body structure)
85816001	T-51600	Structure of retromolar area of mouth (body structure)
85856004	T-15420	Acromioclavicular joint structure (body structure)
85898001	D3-20000	Cardiomyopathy (disorder)
85981002	C-22838	Chromotrope 2R stain (substance)
86049000	M-80003	Malignant neoplasm, primary (morphologic abnormality)
86117002	T-45300	Internal carotid artery structure (body structure)
86122002	A-32110	Bullet, device (physical object)
86136007	T-A5272	Lateral lemniscus structure (body structure)
86273004	P1-03100	Biopsy (procedure)
86290005	F-21000	Respiratory rate (observable entity)
86299006	D4-31110	Tetralogy of Fallot (disorder)
86308005	C-68000	Sympathomimetic agent (product)
86367003	T-D4130	Structure of left upper quadrant of abdomen (body structure)
86407004	A-17350	Table, device (physical object)
86440008	L-80652	Pic line pig 24 (organism)
86521004	C-113A3	^77^Bromine (substance)
86541009	C-22869	Brilliant crocein stain (substance)
86547008	T-47740	Structure of dorsalis pedis artery (body structure)
86570000	T-46500	Structure of mesenteric artery (body structure)
86584005	C-B0323	Iodoalphionic acid (substance)
86593006	L-80732	Colored bull terrier (organism)
86598002	T-280A0	Structure of apex of lung (body structure)
86616005	M-85002	Intraductal carcinoma, noninfiltrating, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
86694007	L-80582	Hormel miniature pig (organism)
86750008	C-22823	Nitrazine yellow stain (substance)
86767001	L-80822	German shorthaired pointer (organism)
86920006	L-80321	Horned dorset sheep breed (organism)
86969008	T-80010	Female external genitalia structure (body structure)
87017008	G-A351	Focal (qualifier value)
87029004	L-80810	Old English sheepdog (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
87061000	L-80528	Boar power pig 282 (organism)
87068006	F-10390	Stooped-over position (finding)
87111007	L-80737	Cairn terrier (organism)
87166008	T-21342	Vomer bone structure (body structure)
87219003	L-80897	Tibetan spaniel (organism)
87342007	T-12750	Bone structure of fibula (body structure)
87343002	D3-12400	Prinzmetal angina (disorder)
87386002	D7-90560	Peau d'orange surface of breast (disorder)
87410002	C-B1225	Technetium Tc^99^ N-substituted iminodiacetate (substance)
87437000	C-116A2	^73^Selenium (substance)
87445005	C-B0335	Ipodate (substance)
87463005	T-A2970	Cerebral fornix structure (body structure)
87563008	T-A0102	Structure of diencephalon (body structure)
87612001	T-C2000	Blood (substance)
87644002	T-95000	Epididymis structure (body structure)
87687004	G-A151	Extra-articular (qualifier value)
87704003	T-54360	Structure of maxillary left third molar tooth (body structure)
87708000	F-BB000	Vitamin (substance)
87731000	F-12300	Weight bearing function of bone (observable entity)
87737001	M-84903	Signet ring cell carcinoma (morphologic abnormality)
87759004	T-80020	Female internal genitalia structure (body structure)
87811005	C-A7440	Injectable fibrinolysin (substance)
87853006	C-B1210	Technetium Tc^99m^ iron ascorbate (substance)
87878005	T-32600	Left ventricular structure (body structure)
87913009	M-90203	Phyllodes tumor, malignant (morphologic abnormality)
87953007	T-73000	Ureteric structure (body structure)
87958003	C-B1121	Ferrous citrate Fe^59^ (substance)
87962009	L-80337	North County cheviot sheep (organism)
88166005	C-B1016	Copper^64^ versenate (substance)
88176008	T-54170	Lower dental arch structure (body structure)
88210001	T-32810	Structure of sinoatrial node (body structure)
88241000	F-10216	Pronation, function (observable entity)
88340001	T-14040	Structure of longissimus muscle (body structure)
88376000	C-29000	Carcinogen (substance)
88442005	T-A2700	Corpus callosum structure (body structure)
88446008	G-A405	Laminar (qualifier value)
88454005	T-14167	Structure of transverse thoracis muscle (body structure)
88473009	C-B1171	Selenomethionine Se^75^ (substance)
88480006	C-13500	Potassium (substance)
88556005	T-45510	Structure of cerebral artery (body structure)
88593004	T-42310	Structure of aortic isthmus (body structure)
88619007	F-39790	Vascular resistance, function (observable entity)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
88625006	C-22904	Water soluble aniline blue stain (substance)
88660000	C-22867	Fast sulfon black F stain (substance)
88779009	L-807A4	American foxhound (organism)
88807001	L-80157	Red Poll cattle breed (organism)
88824007	T-54610	Structure of deciduous maxillary right central incisor tooth (body structure)
88882009	T-A8640	Vagus nerve structure (body structure)
88921000	T-1A080	Fibril (substance)
88986008	T-D1120	Vertex structure (body structure)
89028002	C-22966	Curcumin stain (substance)
89065000	L-80A12	Burmese cat (organism)
89084002	M-95400	Neurofibroma, no International Classification of Diseases for Oncology subtype (morphologic abnormality)
89093001	T-42210	Structure of right sinus of Valsalva (body structure)
89138009	D3-00200	Cardiogenic shock (disorder)
89139001	C-22887	Light green SF stain (substance)
89148006	C-22882	Fast garnet GBC salt stain (substance)
89164003	D7-90530	Breast lump (finding)
89177007	C-10005	Proton (substance)
89187006	T-20001	Airway structure (body structure)
89202009	T-A2820	Structure of superior longitudinal fasciculus (body structure)
89272005	C-144A4	^58^Cobalt (substance)
89278009	T-A3400	Structure of putamen (body structure)
89323001	D3-12004	Angina, class IV (disorder)
89340005	T-11514	Structure of lamina of vertebra (body structure)
89450005	L-80790	Eskimo dog (organism)
89457008	C-10072	Radioactive isotope (substance)
89545001	T-D1200	Face structure (body structure)
89546000	T-11100	Bone structure of cranium (body structure)
89552004	T-54760	Structure of deciduous mandibular left central incisor tooth (body structure)
89577003	C-22855	Pontamine sky blue 5BX stain (substance)
89595000	C-B0319	Iodized oil (substance)
89625000	T-54390	Structure of mandibular left first molar tooth (body structure)
89648005	L-80421	Fjord horse (organism)
89665001	L-80349	Targhee sheep (organism)
89708009	L-80210	Chamoisee goat (organism)
89736004	D3-28005	Valvular endocarditis (disorder)
89740008	M-85203	Lobular carcinoma (morphologic abnormality)
89814007	P1-31850	Repair of ventricular septal defect with prosthesis (procedure)
89818005	C-B1224	Technetium Tc^99^ tagged red cells (substance)
89837001	T-74000	Urinary bladder structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
89856006	C-22868	Ponceau S stain (substance)
89858007	T-C4330	Tracheobronchial lymph node, located near carina (body structure)
89890002	T-C6000	Structure of lymphatic system (body structure)
89928000	L-80570	FHC pig (organism)
90024005	T-46740	Structure of internal iliac artery (body structure)
90050009	L-80406	American Buckskin horse (organism)
90069004	G-A182	Posterolateral (qualifier value)
90096001	F-32120	Stroke volume (observable entity)
90101001	L-807B0	Foxhound (organism)
90219004	T-48410	Coronary sinus structure (body structure)
90290004	T-D4230	Umbilical region structure (body structure)
90315007	T-35250	Pulmonary valve sinuses (body structure)
90318009	T-35210	Structure of anulus fibrosus of pulmonary artery (body structure)
90418005	T-90010	Male external genitalia structure (body structure)
90444005	L-80901	Smooth haired vizsla (organism)
90539001	D3-10510	Ventricular aneurysm (disorder)
90561006	T-35120	Right atrioventricular ostium structure (body structure)
90572001	T-28830	Structure of lower lobe of lung (body structure)
90588001	T-13650	Subscapularis muscle structure (body structure)
90606007	T-C4001	Structure of superficial lymph node (body structure)
90612002	L-80158	Salers cattle breed (organism)
90617008	C-B1068	Indium^113^ bleomycin (substance)
90733003	C-B0348	Metrizamide (substance)
90734009	G-A270	Chronic (qualifier value)
90745007	C-B0315	Bunamiodyl (substance)
90771006	T-48840	Structure of superior mesenteric vein (body structure)
90828009	D3-22100	Primary restrictive cardiomyopathy (disorder)
90885005	L-8057A	Gloucester old spot pig (organism)
90892000	F-32010	Diastole, function (observable entity)
91079009	T-46820	Structure of uterine artery (body structure)
91083009	T-43201	Structure of proximal portion of right coronary artery (body structure)
91085002	T-32834	Structure of left posterior division of left branch of atrioventricular bundle (body structure)
91096005	P2-34122	Monitoring of electrocardiogram at surgery (procedure)
91134007	T-35300	Mitral valve structure (body structure)
91238003	T-1243B	Bone structure of distal ulna (body structure)
91295002	C-22881	Fast blue BB salt stain (substance)
91394001	T-C4580	Structure of retroperitoneal lymph node (body structure)
91397008	T-11196	Bone structure of face (body structure)
91429002	L-80860	Schnauzer superbreed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
91470000	T-D8104	Axillary region structure (body structure)
91539005	T-48501	Structure of right pulmonary vein (body structure)
91553005	L-80792	Canadian eskimo dog (organism)
91602002	P1-28160	Thoracentesis (procedure)
91606004	C-22973	Cochineal stain (substance)
91609006	T-11180	Bone structure of mandible (body structure)
91691001	T-D3136	Structure of parasternal region (body structure)
91707000	T-F7040	Structure of primitive pulmonary artery (body structure)
91716001	T-AB500	Mastoid cells and antra structure (body structure)
91720002	T-D0080	Body substance (substance)
91723000	T-D0005	Anatomical structure (body structure)
91732003	T-461A0	Structure of dorsal scapular artery (body structure)
91747007	T-40230	Lumen of blood vessel (body structure)
91748002	T-43115	Structure of mid portion of anterior descending branch of left coronary artery (body structure)
91750005	T-43117	Structure of first diagonal branch of anterior descending branch of left coronary artery (body structure)
91751009	T-43118	Structure of second diagonal branch of anterior descending branch of left coronary artery (body structure)
91752002	T-43119	Structure of third diagonal branch of anterior descending branch of left coronary artery (body structure)
91753007	T-43127	Structure of mid portion of circumflex branch of left coronary artery (body structure)
91754001	T-43128	Structure of first obtuse marginal branch of circumflex branch of left coronary artery (body structure)
91755000	T-43129	Structure of second obtuse marginal branch of circumflex branch of left coronary artery (body structure)
91756004	T-4312A	Structure of third obtuse marginal branch of circumflex branch of left coronary artery (body structure)
91757008	T-4312B	Structure of first left posterolateral branch of circumflex branch of left coronary artery (body structure)
91758003	T-4312C	Structure of second left posterolateral branch of circumflex branch of left coronary artery (body structure)
91759006	T-4312D	Structure of third left posterolateral branch of circumflex branch of left coronary artery (body structure)
91760001	T-4312E	Left posterior descending circumflex coronary artery (body structure)
91761002	T-43213	Structure of first right posterolateral branch of the posterior descending branch of right coronary artery (body structure)
91762009	T-43214	Structure of second right posterolateral branch of the posterior descending branch of right coronary artery (body structure)
91763004	T-43215	Structure of third right posterolateral branch of the posterior descending branch of right coronary artery (body structure)
91772007	T-D0062	Organ parenchyma (body structure)
91830000	T-D00AB	Structure of body conduit (body structure)
92248004	D7-F0810	Benign neoplasm of nipple of female breast (disorder)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
92652009	D7-F0902	Carcinoma in situ of male breast (disorder)
93143009	DC-F4113	Leukemia, disease (disorder)
93473009	D3-F0620	Hemangioma of subcutaneous tissue (disorder)
94150003	D4-31154	Membranous ventricular septum defect (disorder)
94391008	D2-F1106	Secondary malignant neoplasm of lung (disorder)
95217000	DA-73460	Pseudophakia (disorder)
95324001	D0-00050	Skin lesion (disorder)
95376002	D0-B0300	Injection site disorder (disorder)
95377006	D0-B0310	Injection site reaction (disorder)
95378001	D0-B0311	Injection site hypersensitivity (disorder)
95379009	D0-B0312	Injection site irritation (disorder)
95380007	D0-B0314	Injection site pigmentation change (disorder)
95381006	D0-B0320	Injection site infection (disorder)
95382004	D0-B0324	Injection site abscess (disorder)
95383009	D0-B0326	Injection site sterile abscess (disorder)
95384003	D0-B0330	Injection site extravasation (disorder)
95385002	D0-B0334	Injection site hemorrhage (disorder)
95386001	D0-B0338	Injection site thrombosis (disorder)
95387005	D0-B0339	Injection site malabsorption (disorder)
95388000	D0-B0340	Injection site pain (disorder)
95389008	D0-B0342	Injection site burning (disorder)
95390004	D0-B0346	Injection site nerve damage (disorder)
95391000	D0-B0350	Injection site inflammation (disorder)
95392007	D0-B0352	Injection site edema (disorder)
95393002	D0-B0354	Injection site dermatitis (disorder)
95394008	D0-B0356	Injection site urticaria (disorder)
95395009	D0-B0360	Injection site mass (disorder)
95396005	D0-B0364	Injection site cyst (disorder)
95397001	D0-B0370	Injection site necrosis (disorder)
95398006	D0-B0380	Injection site anesthesia (disorder)
95399003	D0-B0382	Injection site paresthesia (disorder)
95400005	D0-B0390	Injection site ulcer (disorder)
95401009	D0-B0394	Injection site bruising (disorder)
95402002	D0-B03A0	Injection site induration (disorder)
95403007	D0-B03A2	Injection site fibrosis (disorder)
95404001	D0-B03A4	Injection site atrophy (disorder)
96218000	C-62960	Acepromazine (substance)
96227004	C-64090	Zolazepam hydrochloride (substance)
96229001	C-640A0	Azaperone (substance)
96230006	C-640B0	Xylazine hydrochloride (substance)
96265006	C-6A190	Tiletamine hydrochloride (substance)
96302009	C-80800	Hydroxymethylglutaryl-coenzyme A reductase inhibitor (product)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
96308008	C-81300	Angiotensin II receptor antagonist (product)
96329004	C-97302	Nasal decongestant preparation (product)
96387000	C-B0301	Ionic iodinated contrast media (product)
96388005	C-B0302	Nonionic iodinated contrast media (product)
96390006	C-B1218	Technetium Tc^99m^ medronate (substance)
102292000	T-14668	Skeletal muscle structure of lower limb (body structure)
102298001	T-35020	Structure of chordae tendineae cordis (body structure)
102304005	A-10141	Measuring ruler, device (physical object)
102312002	A-25600	Atherectomy device (physical object)
102313007	A-25610	Rotational atherectomy device (physical object)
102314001	A-25612	Embolization coil, device (physical object)
102315000	A-25614	Embolization ball, device (physical object)
102316004	A-25616	Embolization particulate, device (physical object)
102317008	A-26802	Guiding catheter, device (physical object)
102319006	A-26912	Percutaneous transluminal angioplasty balloon, device (physical object)
102320000	A-27322	Detachable balloon, device (physical object)
102321001	A-2B210	Operating microscope, device (physical object)
102322008	A-2C600	External prosthesis for sonographic procedure, device (physical object)
102323003	A-2C602	Water bag prosthesis for imaging procedure, device (physical object)
102324009	A-2C604	Saline bag prosthesis for imaging procedure, device (physical object)
102325005	A-2C606	Gel prosthesis for imaging procedure, device (physical object)
102378009	A-32475	BB shot, device (qualifier value)
102459008	F-00453	Increased tolerance (finding)
102460003	F-00454	Decreased tolerance (finding)
102535000	F-10317	Right lateral decubitus position (finding)
102536004	F-10319	Left lateral decubitus position (finding)
102538003	F-10450	Recumbent body position (finding)
102539006	F-10460	Semi-erect body position (finding)
102540008	F-10470	Headfirst position (finding)
102541007	F-10480	Feetfirst position (finding)
102589003	F-37012	Atypical chest pain (finding)
102594003	F-38002	Electrocardiogram abnormal (finding)
102874004	F-84094	Possible pregnancy (finding)
102877006	F-84430	Nulliparous (finding)
103321005	G-0202	Request by physician (contextual qualifier) (qualifier value)
103335007	G-7290	Duration (attribute)
103339001	G-A185	Long axis (qualifier value)
103340004	G-A186	Short axis (qualifier value)
103342007	G-A188	Mid-longitudinal (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
103343002	G-A189	Parasagittal (qualifier value)
103344008	G-A1A1	Transvesical (qualifier value)
103345009	G-A1A2	Transthecal (qualifier value)
103346005	G-A1A3	Transsplenic (qualifier value)
103347001	G-A1A4	Transrenal (qualifier value)
103348006	G-A1A5	Transpleural (qualifier value)
103349003	G-A1A6	Transpancreatic (qualifier value)
103353001	G-A1B2	Transgastric (qualifier value)
103354007	G-A1B3	Transmural (qualifier value)
103355008	G-A220	Width (qualifier value)
103361006	G-A556	Unsteady (qualifier value)
103381007	G-D027	Transhepatic approach (qualifier value)
103382000	G-D032	Transtemporal approach (qualifier value)
103383005	G-D033	Transesophageal approach (qualifier value)
103386002	G-D052	Transvenous approach (qualifier value)
103387006	G-D054	Transarterial approach (qualifier value)
103390000	G-D210	Elective (qualifier value)
103391001	G-D216	Urgency (qualifier value)
103693007	P0-00002	Diagnostic procedure (procedure)
103709008	P1-00018	Failed attempted procedure (situation)
103712006	P1-05536	Manipulation of catheter (procedure)
103713001	P1-05537	Replacement of catheter (procedure)
103714007	P1-05538	Occlusion of catheter (procedure)
103715008	P1-05539	Removal of catheter (procedure)
103716009	P1-05550	Placement of stent (procedure)
104210008	P3-50495	Hematoxylin and eosin stain method (procedure)
105371005	P5-0A100	Single photon emission computerized tomography (procedure)
105372003	P5-39015	Transcatheter deployment of detachable balloon (procedure)
105373008	P5-39191	Percutaneous insertion of intravascular filter (procedure)
105376000	P5-B3002	Transesophageal echocardiography (procedure)
105501005	S-20570	Dependence on enabling machine or device (finding)
105590001	F-61002	Substance (substance)
105830007	C-120F9	Aluminum AND/OR aluminum compound (substance)
105837005	C-127F9	Copper AND/OR copper compound (substance)
105840005	C-130F9	Iron AND/OR iron compound (substance)
105842002	C-132F9	Lead AND/OR lead compound (substance)
105847008	C-137F9	Silver AND/OR silver compound (substance)
105849006	C-139F9	Tin AND/OR tin compound (substance)
105860002	C-150F9	Molybdenum AND/OR molybdenum compound (substance)
105866008	C-156F9	Tantalum AND/OR tantalum compound (substance)
105874009	C-164F9	Tungsten AND/OR tungsten compound (substance)
105877002	C-167F9	Rhodium AND/OR rhodium compound (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
106233006	G-A1F8	Topographical modifier (qualifier value)
106292003	J-07100	Professional nurse (occupation)
107007004	L-8B9F9	Subfamily Bovinae (organism)
107644003	M-020F9	Shape finding (qualifier value)
107671003	M-520F8	Vascular sclerosis (morphologic abnormality)
108294005	P5-D30F8	Nuclear medicine diagnostic procedure on cardiovascular system (procedure)
108300008	P5-D90F8	Nuclear medicine diagnostic procedure on nervous system (procedure)
108369006	M-8FFFF	Neoplasm (morphologic abnormality)
108371006	T-12761	Bone structure of tarsus (body structure)
108502004	C-80349	Adenosine preparation (product)
108602006	C-80680	Fibrate antihyperlipidemic (product)
108880002	C-22AA1	Fluorexon stain (substance)
108899006	C-B7100	Contraceptives (product)
109029006	C-A0005	Raloxifene (substance)
109066000	C-A0173	Hydrocortisone sodium succinate (substance)
109069007	C-A01D1	Methylprednisolone sodium succinate (product)
109212003	C-B0314	Tyropanoate sodium (substance)
109218004	C-B0322	Iohexol (product)
109219007	C-B0329	Iopamidol (product)
109222009	C-B0332	Ioversol (product)
109223004	C-B0339	Ioxaglate meglumine (product)
109888004	D7-F0A02	Lobular carcinoma in situ of breast (disorder)
110265006	DD-66A67	Postoperative hemorrhage (disorder)
110421000	M-32210	Traumatic aneurysm (morphologic abnormality)
110451006	M-78190	Spindle cell nodule (morphologic abnormality)
110467000	P1-00410	Pre-surgery testing (procedure)
110517009	T-11011	Vertebral column and cranium (combined site) (body structure)
110535000	T-12403	radius AND ulna (combined site) (body structure)
110536004	T-12701	Tibia and fibula (combined site) (body structure)
110550009	T-28910	Lung and tracheobronchial lymph nodes (combined site) (body structure)
110568007	T-48820	Structure of gastric vein (body structure)
110612005	T-59490	Anus, rectum and sigmoid colon (combined site) (body structure)
110621006	T-65600	Pancreatic duct and bile duct systems (combined site) (body structure)
110639002	T-88920	Uterus and fallopian tubes (combined site) (body structure)
110726009	T-DD006	Trachea and bronchus (combined site) (body structure)
110837003	T-DD123	Urinary bladder and urethra (combined site) (body structure)
110861005	T-DD163	Esophagus, stomach and duodenum (combined site) (body structure)
111017005	M-78066	Injection site scar (morphologic abnormality)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
111045004	A-17200	Exerciser, device (physical object)
111084009	C-158A3	^85^Strontium (substance)
111095003	C-21402	Formaldehyde (substance)
111101002	C-22803	Naphthol yellow S stain (substance)
111102009	C-22917	Lissamine rhodamine stain (substance)
111132001	C-6A118	Nitrous oxide (substance)
111139005	C-80120	Inotropic agent (product)
111158001	C-B0337	Propyliodone (substance)
111159009	C-B1085	Rose Bengal sodium I^131^ (substance)
111160004	C-B1086	Sodium iodide I^131^ (substance)
111161000	C-B1151	Potassium carbonate K^42^ (substance)
111162007	C-B1211	Technetium Tc^99m^ stannous etidronate (substance)
111287006	D3-29042	Tricuspid valve regurgitation (disorder)
111289009	D3-40208	Arteriovenous fistula of pulmonary vessels (disorder)
111973004	F-32020	Systole, function (observable entity)
112233002	G-A428	Marginal (qualifier value)
112381006	L-35500	Genus Dependovirus (organism)
112485003	L-80136	Gujarati cattle breed (organism)
112486002	L-80336	No-tail sheep (organism)
112487006	L-80344	Romnelet sheep (organism)
112488001	L-80423	Hackney horse (organism)
112489009	L-80510	Berkshire pig (organism)
112490000	L-80566	Dekalb hybrid pig line 63 (organism)
112491001	L-80710	Australian terrier (organism)
112492008	L-80725	Borzoi dog (organism)
112493003	L-80772	Smooth miniature dachshund (organism)
112494009	L-807B5	Greyhound (organism)
112811009	P1-31872	Closure of atrial septal defect (procedure)
112987001	P1-C0020	Inhalation anesthesia, machine system, closed, rebreathing of primary agent (procedure)
113011001	P2-01510	Palpation (procedure)
113160008	S-10191	Natural son (person)
113163005	S-11090	Friend (person)
113197003	T-11300	Bone structure of rib (body structure)
113198008	T-11304	Tubercle of rib structure (body structure)
113257007	T-30000	Structure of cardiovascular system (body structure)
113259005	T-35110	Structure of anulus fibrosus of tricuspid orifice (body structure)
113262008	T-42070	Thoracic aorta structure (body structure)
113263003	T-45120	Left common carotid artery structure (body structure)
113264009	T-45230	Structure of lingual artery (body structure)
113269004	T-46910	Structure of external iliac artery (body structure)
113270003	T-47420	Structure of left femoral artery (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
113273001	T-48520	Structure of inferior right pulmonary vein (body structure)
113277000	T-51300	Oral mucous membrane structure (body structure)
113278005	T-54440	Structure of mandibular left central incisor tooth (body structure)
113305005	T-A6000	Cerebellar structure (body structure)
113336002	T-C4511	Structure of inferior mesenteric lymph node (body structure)
113338001	T-C4616	Subiliac lymph node (body structure)
113340006	T-C4840	Structure of superficial inguinal lymph node (body structure)
113342003	T-D0048	Structure of lumen of body system (body structure)
113343008	T-D0060	Body organ structure (body structure)
113345001	T-D4000	Abdominal structure (body structure)
113346000	T-D4450	Omental bursa structure (body structure)
113351006	T-D9540	Fetlock region of hindlimb (body structure)
115391007	F-65C50	N-acetyl-L-aspartate (substance)
116010006	T-15728	Stifle joint (body structure)
116152004	P5-08001	Spiral computed tomography scan (procedure)
116176007	T-C2007	Mixed venous blood (substance)
116224001	DD-60002	Complication of procedure (disorder)
116532005	C-84989	Prokinetic Agent (product)
116566001	C-10098	Steroid (substance)
116593003	C-37128	Methylprednisolone (substance)
116602009	C-37138	Prednisone (substance)
116676008	G-C504	Associated morphology (attribute)
116682006	G-C50A	Uses equipment (attribute)
117590005	T-AB001	Ear structure (body structure)
117610000	P2-34201	Measurement of cardiac output (procedure)
118375008	A-04140	Cardiac septum prosthesis, device (physical object)
118378005	A-11101	Pacemaker pulse generator, device (physical object)
118433006	F-31146	Pulmonary artery wedge pressure (observable entity)
118438002	G-D00B	Transoral approach (qualifier value)
118495001	T-1241F	Bone structure of distal humerus (body structure)
118538004	G-D701	Mass, a measure of quantity of matter (property) (qualifier value)
118565006	G-D705	Volume (property) (qualifier value)
118578006	G-D709	Relative time (property) (qualifier value)
118586006	G-D750	Ratio (property) (qualifier value)
118634008	T-46002	Structure of artery of abdomen (body structure)
118645006	T-12375	Bone structure of pelvis (body structure)
118745001	P0-05083	Procedure on joint (procedure)
118755002	T-32423	Trabeculae carneae cordis (body structure)
118927008	D3-80515	Thrombotic disorder (navigational concept)
119238007	T-D0558	Brain stem part (body structure)
119255006	T-24454	Supraglottis structure (body structure)
119295008	G-8003	Specimen obtained by aspiration (specimen)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
119376003	G-8300	Tissue specimen (specimen)
119406000	T-D0593	Thalamus part (body structure)
119410002	T-D0598	Nerve part (body structure)
119524001	T-1240F	Bone structure of proximal humerus (body structure)
119568004	T-45005	Structure of artery of neck (body structure)
119614000	P1-14810	Hip joint reconstruction (procedure)
119853006	P1-48501	Breast implantation (procedure)
120234003	T-46659	Structure of segmental branch of renal artery (body structure)
120576005	T-D0634	Fascial layer (body structure)
122448007	T-1300D	Cardiac muscle (tissue) (body structure)
122456005	A-23000	Laser device (physical object)
122459003	P1-01003	Dissection procedure (procedure)
122489005	T-70001	Urinary system structure (body structure)
122494005	T-11501	Structure of cervical vertebral column (body structure)
122495006	T-11502	Thoracic spine structure (body structure)
122496007	T-11503	Lumbar spine structure (body structure)
122595009	G-8311	Specimen from breast obtained by total mastectomy (specimen)
122737001	G-8318	Specimen from breast obtained by core needle biopsy (specimen)
122738006	G-8319	Specimen obtained from breast by stereotactically guided core needle biopsy (specimen)
122739003	G-831B	Specimen from breast obtained by incisional biopsy of breast mass (specimen)
122774002	T-49403	Structure of vein of lower extremity (body structure)
122775001	T-49103	Structure of vein of upper extremity (body structure)
122972007	T-48581	Pulmonary venous structure (body structure)
123037004	T-D000A	Body structure (body structure)
123851003	T-D0662	Mouth region structure (body structure)
125074003	L-80139	Hereford cattle superbreed (organism)
125076001	L-87A02	Cavia porcellus (organism)
125084002	L-8A10B	Equus caballus gmelini (organism)
125091004	L-8B943	Bos taurus indicus (organism)
125097000	L-8C306	Capra hircus (organism)
125099002	L-8C336	Ovis aries (organism)
125101009	L-8C338	Merino sheep superbreed (organism)
125112009	M-00101	Morphology within normal limits (finding)
125271003	M-32202	Thrombosed aneurysm (morphologic abnormality)
125272005	M-32203	Expanding aneurysm (morphologic abnormality)
125273000	M-32204	Calcified aneurysm (morphologic abnormality)
125274006	M-32208	Multiple aneurysms (morphologic abnormality)
125357009	M-52301	Focal fibroelastosis (morphologic abnormality)
125358004	M-52302	Diffuse fibroelastosis (morphologic abnormality)
125682004	T-15516	Finger joint structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
125707004	C-6A161	Alphadolone acetate (substance)
126065006	A-26434	Jejunostomy tube, device (physical object)
126510002	D0-F035F	Neoplasm of skin of breast (disorder)
126838000	D5-F131F	Neoplasm of colon (disorder)
127189005	DC-721C4	Axillary lymphadenopathy (disorder)
127457009	G-8310	Tissue specimen from breast (specimen)
127489000	G-C52F	Has active ingredient (attribute)
127790008	P3-00003	Staining method (procedure)
127919002	T-C4311	Interlobar lymph node of the lung (body structure)
127920008	T-C4312	Lobar lymph node of the lung (body structure)
127921007	T-C4313	Segmental lymph node of the lung (body structure)
127922000	T-C4314	Subsegmental lymph node of the lung (body structure)
127925003	T-C43A0	Superior mediastinal lymph node (body structure)
127926002	T-C43A1	Highest mediastinal lymph node (body structure)
127927006	T-C43A2	Upper paratracheal lymph node (mediastinal) (body structure)
127930004	T-C43A5	Prevascular/retrotracheal lymph node (body structure)
127931000	T-C43A6	Retrotracheal lymph node (mediastinal) (body structure)
127932007	T-C43A7	Lower paratracheal (including azygous) lymph node (body structure)
127937001	T-C43AC	Lymph node of aortic arch (body structure)
127938006	T-C43AD	Lymph node of aortopulmonary window (body structure)
127939003	T-C43AE	Para-aortic lymph node of the anterior mediastinum (body structure)
127940001	T-C43B2	Paraesophageal lymph node below carina (body structure)
127941002	T-C43B3	Lymph node of the pulmonary ligament (body structure)
127954009	T-D0684	Skeletal muscle structure (body structure)
128319008	T-A0190	Intracranial structure (body structure)
128320002	T-A0191	Structure of intracranial vein (body structure)
128432002	G-DB10	Hemodynamic waveform, function (observable entity)
128433007	G-DB11	Hemodynamic pressure waveform, function (observable entity)
128434001	G-DB12	Hemodynamic flow waveform, function (observable entity)
128435000	G-DB13	Hemodynamic oxygen saturation waveform, function (observable entity)
128436004	G-DB14	Respiration impedance waveform, function (observable entity)
128437008	G-DB15	Temperature waveform, function (observable entity)
128438003	G-DB16	Left ventricle pressure waveform, function (observable entity)
128439006	G-DB17	Right ventricle pressure waveform, function (observable entity)
128440008	G-DB18	Right atrium pressure waveform, function (observable entity)
128441007	G-DB19	Left atrium pressure waveform, function (observable entity)
128442000	G-DB20	Femoral artery pressure waveform (observable entity)
128443005	G-DB21	Pulmonary arterial waveform (observable entity)
128444004	G-DB22	Aortic pressure waveform, function (observable entity)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
128445003	G-DB23	Central venous pressure waveform, function (observable entity)
128446002	G-DB24	Intra-arterial waveform (observable entity)
128447006	G-DB25	Pulmonary artery oxygen saturation waveform, function (observable entity)
128448001	G-DB26	Pulmonary capillary wedge pressure waveform, function (observable entity)
128449009	G-DB27	Pulmonary artery wedge pressure waveform (observable entity)
128450009	G-DB28	Mitral valve pullback pressure, function (observable entity)
128451008	G-DB29	Tricuspid valve pullback pressure waveform, function (observable entity)
128452001	G-DB30	Pulmonary valve pullback pressure waveform (observable entity)
128453006	G-DB31	Aortic valve pullback pressure waveform, function (observable entity)
128454000	G-DB32	Thermal cardiac output waveform, function (observable entity)
128455004	G-DB33	Dye dilution cardiac output waveform, function (observable entity)
128462008	DF-00436	Secondary malignant neoplastic disease (disorder)
128538000	P1-03021	Removal of device (procedure)
128548003	T-49424	Boyd's perforating vein (body structure)
128549006	T-49426	Cockett's perforating vein (body structure)
128551005	D3-81922	Aortic fistula (disorder)
128552003	G-DB34	Hemodynamic impedance waveform, function (observable entity)
128553008	T-49215	Structure of antecubital vein (body structure)
128554002	T-49429	Dodd's perforating vein (body structure)
128555001	D4-32504	Congenital coronary artery fistula to left atrium (disorder)
128556000	D4-32506	Congenital coronary artery fistula to left ventricle (disorder)
128557009	D4-32509	Congenital coronary artery fistula to right atrium (disorder)
128558004	D4-32510	Congenital coronary artery fistula to right ventricle (disorder)
128559007	T-47490	Structure of genicular artery (body structure)
128560002	T-4942A	Hunterian perforating vein (body structure)
128563000	D4-31052	Juxtaposed atrial appendage (disorder)
128564006	T-32602	Structure of apex of left ventricle (body structure)
128565007	T-32502	Structure of apex of right ventricle (body structure)
128566008	D4-33512	Congenital pulmonary vein confluence (disorder)
128567004	D4-33514	Congenital pulmonary venous atrium (disorder)
128568009	D4-33516	Congenital systemic venous atrium (disorder)
128569001	T-49535	Posterior medial tributary of superficial venous system of lower extremity (body structure)
128570000	D4-31022	Left ventricle outflow chamber (disorder)
128572008	D4-31032	Right ventricle outflow chamber (disorder)
128573003	PA-50031	Hemodynamic measurement via dual catheter method (regime/therapy)
128575005	PA-50033	Hemodynamic measurement via pullback method (regime/therapy)
128576006	PA-50034	Computed hemodynamic measurement method (regime/therapy)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
128577002	PA-50035	Composite hemodynamic measurement method (regime/therapy)
128578007	PA-50036	Static catheter hemodynamic measurement method (regime/therapy)
128579004	PA-50037	Hemodynamic measurement via wedge method (regime/therapy)
128580001	PA-50038	Averaged hemodynamic measurement method (regime/therapy)
128581002	PA-50039	Fluid filled catheter hemodynamic measurement method (regime/therapy)
128582009	PA-5003A	Tip manometer hemodynamic measurement method (regime/therapy)
128583004	T-4884A	Structure of mesenteric vein (body structure)
128584005	D4-33142	Congenital pulmonary artery conduit (disorder)
128585006	T-48503	Anomalous pulmonary vein (morphologic abnormality)
128586007	T-32190	Pulmonary chamber of cor triatriatum (morphologic abnormality)
128587003	T-D930A	Structure of saphenofemoral junction (body structure)
128589000	T-44007	Systemic collateral artery to lung (morphologic abnormality)
128591008	G-DE02	Structure of high right atrium (body structure)
128592001	G-DE04	Lateral high right atrium (body structure)
128593006	G-DE06	Structure of mid right atrium (body structure)
128594000	G-DE08	Structure of low right atrium (body structure)
128595004	T-32202	Structure of tendon of Todaro (body structure)
128617001	M-39390	Arteriovenous fistula (morphologic abnormality)
128632008	M-80463	Non-small cell carcinoma (morphologic abnormality)
128651002	M-82040	Lactating adenoma (morphologic abnormality)
128696009	M-85072	Intraductal micropapillary carcinoma (morphologic abnormality)
128738002	M-88250	Myofibroblastoma (morphologic abnormality)
128765009	M-89830	Adenomyoepithelioma (morphologic abnormality)
128947001	G-D870	Graft to cited body segment (substance)
128948006	G-D872	Graft to distal anastomosis (substance)
128949003	G-D871	Graft to proximal anastomosis (substance)
128950003	G-D873	Arterial graft to cited segment (substance)
128951004	G-D874	Venous graft to cited segment (substance)
128952006	P1-3160A	Catheterization of both left and right heart with graft (procedure)
128953001	P1-3160B	Catheterization of both left and right heart without graft (procedure)
128954007	G-7292	Procedure phase (qualifier value)
128955008	G-7293	Cardiac catheterization baseline phase (qualifier value)
128956009	G-7294	Cardiac catheterization image acquisition phase (qualifier value)
128957000	G-7295	Cardiac catheterization intervention phase (qualifier value)
128958005	G-7296	Cardiac catheterization pre-intervention phase (qualifier value)
128959002	G-7297	Cardiac catheterization therapy phase (qualifier value)
128960007	G-7298	Cardiac catheterization post-intervention phase (qualifier value)
128961006	G-7299	Cardiac catheterization bailout phase (qualifier value)
128963009	P2-71302	Head up physiologic challenge (procedure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
128964003	P2-71304	Leg up physiologic challenge (procedure)
128965002	P2-71306	Hand grip physiologic challenge (procedure)
128966001	P2-71308	Negative lower body pressure physiologic challenge (procedure)
128967005	P2-71310	Exercise challenge (procedure)
128968000	P2-71312	Vagal stimulation physiologic challenge (procedure)
128969008	P2-71314	Held inspiration physiologic challenge (procedure)
128970009	P2-71316	Held ventilation physiologic challenge (procedure)
128971008	P2-71318	Post volume challenge (procedure)
128974000	F-01602	Baseline state (finding)
128975004	F-01604	Resting state (finding)
128976003	F-01606	Exercise state (finding)
128977007	F-01608	Pre-exercise state (finding)
128979005	T-45416	Lacrimal artery, right (body structure)
128981007	A-00203	Baffle, device (physical object)
129082007	G-729A	Electrophysiology procedure baseline phase (qualifier value)
129083002	G-729B	Cardiac catheterization post-contrast phase (qualifier value)
129085009	G-72BB	Cardiac catheterization procedure phase (qualifier value)
129086005	G-729C	Sinus node recovery phase (qualifier value)
129087001	G-729D	Atrial effective refractory period (observable entity)
129088006	G-729E	Ventricular effective refractory period (observable entity)
129089003	G-729F	Radiofrequency ablation procedure phase (qualifier value)
129090007	G-7304	Carotid sinus massage procedure phase (qualifier value)
129091006	G-7305	Post-defibrillation procedure phase (qualifier value)
129092004	G-7406	Electrophysiology mapping phase (qualifier value)
129093009	G-7408	Post-ablation phase (qualifier value)
129095002	P2-7131A	Bruce protocol (qualifier value)
129096001	P2-7131B	Modified Bruce protocol (qualifier value)
129097005	P2-7131C	Balke protocol (qualifier value)
129098000	P2-7131D	Ellestad protocol (procedure)
129099008	P2-7131E	Ramp protocol (procedure)
129100000	P2-7131F	Pepper protocol (procedure)
129101001	P2-713A0	Naughton protocol (qualifier value)
129102008	P2-713A1	Modified Naughton protocol (qualifier value)
129113006	A-28051	Intra-aortic balloon pump, device (physical object)
129226004	G-D065	Transorbital approach (qualifier value)
129379006	P0-02125	Fusion - action (qualifier value)
129380009	P0-02126	Anchoring - action (qualifier value)
129411004	P0-02160	Traction - action (qualifier value)
129428001	P0-02179	Preventive - procedure intent (qualifier value)
129460009	A-10042	Compression paddle, device (physical object)
129463006	A-1016B	J wire, device (physical object)
129467007	A-16016	Identification plate, device (physical object)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
129499001	C-B1033	Spiperone F^18^ (substance)
129500005	C-B1034	Fluoro-L-dopa F^18^ (substance)
129501009	C-B1032	Sodium fluoride F^18^ (substance)
129502002	C-B1036	Thymidine F^18^ (substance)
129503007	C-B1037	Rubidium chloride Rb^82^ (substance)
129504001	C-B1038	Oxygen O^15^ (substance)
129505000	C-B1039	Oxygen-water O^15^ (substance)
129506004	C-B103A	Carbon monoxide O^15^ (substance)
129507008	C-B103B	Carbon dioxide O^15^ (substance)
129508003	C-B103C	Ammonia N^13^ (substance)
129509006	C-B103D	Glutamate N^13^ (substance)
129510001	C-B103E	Methionine C^11^ (substance)
129511002	C-B103F	Carfentanil C^11^ (substance)
129512009	C-B1042	Raclopride C^11^ (substance)
129513004	C-B1043	Acetate C^11^ (substance)
129514005	C-B1044	Palmitate C^11^ (substance)
129515006	C-B1045	Carbon monoxide C^11^ (substance)
129516007	C-B1046	Germanium Ge^68^ (substance)
129517003	C-B1047	Sodium Na^22^ (substance)
129715009	F-01710	Mammographic breast composition finding (finding)
129716005	F-01711	Almost entirely fat breast composition (finding)
129717001	F-01712	Mammographic breast composition showing scattered fibroglandular densities (finding)
129718006	F-01713	Heterogeneously dense breast composition (finding)
129719003	F-01714	Extremely dense breast composition (finding)
129720009	F-01720	Finding of change since previous mammogram (finding)
129721008	F-01721	New finding since previous mammogram (finding)
129722001	F-01722	Finding partially removed since previous mammogram (finding)
129723006	F-01723	No significant change since previous mammogram (finding)
129726003	F-01726	Increase in number of calcifications since previous mammogram (finding)
129727007	F-01727	Decrease in number of calcifications since previous mammogram (finding)
129728002	F-01728	Finding less well defined since previous mammogram (finding)
129729005	F-01729	Finding more defined since previous mammogram (finding)
129730000	F-0172A	Removal of implant since previous mammogram (finding)
129731001	F-0172B	Implant revised since previous mammogram (finding)
129737002	F-01740	Radiographic lesion margin characteristics (finding)
129738007	F-01741	Lesion with circumscribed margin (finding)
129739004	F-01742	Lesion with microlobulated margin (finding)
129740002	F-01743	Lesion with obscured margin (finding)
129741003	F-01744	Lesion with indistinct margin (finding)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
129742005	F-01745	Lesion with spiculated margin (finding)
129744006	F-01751	Lesion with high radiographic density (finding)
129745007	F-01752	Lesion with equal (isodense) radiographic density (finding)
129746008	F-01753	Lesion with low radiographic density (not containing fat) (finding)
129747004	F-01754	Lesion with fat containing (radiolucent) density (finding)
129748009	F-01760	Radiographic calcification finding (finding)
129749001	F-01761	Coarse (popcorn-like) radiographic calcification (finding)
129750001	F-01762	Dystrophic radiographic calcification (finding)
129751002	F-01763	Eggshell radiographic calcification (finding)
129752009	F-01764	Large rod-like radiographic calcification (finding)
129753004	F-01765	Milk of calcium radiographic calcification (finding)
129754005	F-01766	Lucent-centered radiographic calcification (finding)
129755006	F-01767	Punctate radiographic calcification (finding)
129756007	F-01768	Round shaped radiographic calcification (finding)
129757003	F-01769	Radiographic finding of calcified skin of breast (finding)
129758008	F-0176A	Radiographic finding of calcified suture material (finding)
129759000	F-0176B	Radiographic finding of vascular calcification (finding)
129760005	F-0176C	Radiographic finding of amorphous calcification (finding)
129761009	F-0176D	Fine, linear, (casting) radiographic calcification (finding)
129762002	F-0176E	Fine, linear, branching (casting) radiographic calcification (finding)
129763007	F-0176F	Heterogeneous radiographic calcification (finding)
129764001	F-01770	Radiographic calcification with diffuse distribution (finding)
129765000	F-01771	Radiographic calcification with linear distribution (finding)
129766004	F-01772	Radiographic calcification with grouped distribution (finding)
129767008	F-01773	Radiographic calcification with regional distribution (finding)
129768003	F-01774	Radiographic calcification with segmental distribution (finding)
129769006	F-01775	Radiographic calcification with clustered distribution (finding)
129770007	F-01776	Radiographic individual calcification (finding)
129772004	F-01781	1 o'clock position on mammogram (finding)
129773009	F-01782	2 o'clock position on mammogram (finding)
129774003	F-01783	3 o'clock position on mammogram (finding)
129775002	F-01784	4 o'clock position on mammogram (finding)
129776001	F-01785	5 o'clock position on mammogram (finding)
129777005	F-01786	6 o'clock position on mammogram (finding)
129778000	F-01787	7 o'clock position on mammogram (finding)
129779008	F-01788	8 o'clock position on mammogram (finding)
129780006	F-01789	9 o'clock position on mammogram (finding)
129781005	F-0178A	10 o'clock position on mammogram (finding)
129782003	F-0178B	11 o'clock position on mammogram (finding)
129783008	F-0178C	12 o'clock position on mammogram (finding)
129784002	F-0178D	Subareolar position on mammogram (finding)
129785001	F-0178E	Axillary tail position on mammogram (finding)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
129786000	F-0178F	Central portion of breast position on mammogram (finding)
129788004	F-01791	Mammographic breast mass finding (finding)
129789007	F-01792	Focal asymmetric breast tissue finding (finding)
129790003	F-01793	Asymmetric breast tissue finding (finding)
129791004	F-01794	Axilla position on mammogram (finding)
129792006	F-01795	Mammographic architectural distortion of breast (finding)
129793001	F-01796	Mammographic breast density (finding)
129794007	F-01797	Tubular shaped density of breast (finding)
129795008	F-01798	Mammographic trabecular thickening of breast (finding)
129796009	F-01799	Mammographic skin retraction of breast (finding)
129797000	F-0179A	Mammographic skin thickening of breast (finding)
129806009	F-017B1	Mammographic difference in size (finding)
129807000	F-017B2	Mammographic difference in opacity (finding)
129808005	F-017B3	Mammographic difference in location (finding)
129809002	F-017B4	Mammographic difference in spatial proximity (finding)
129810007	F-017B5	Mammographic difference in number of calcifications (finding)
129811006	F-017B6	Mammographic difference in shape (finding)
129812004	F-017B7	Mammographic difference in margin (finding)
129813009	F-017B8	Mammographic difference in symmetry (finding)
130963002	F-8A063	Asynchronous involution of breast (finding)
131183008	G-A15A	Intra-articular (qualifier value)
131184002	G-A16A	Area of defined region (qualifier value)
131185001	G-A18A	Vertical long axis (qualifier value)
131186000	G-A18B	Horizontal long axis (qualifier value)
131187009	G-A193	Major Axis (qualifier value)
131188004	G-A194	Minor Axis (qualifier value)
131189007	G-A195	Perpendicular axis (qualifier value)
131190003	G-A196	Radius (qualifier value)
131191004	G-A197	Perimeter (qualifier value)
131192006	G-A198	Diameter of circumscribed circle (qualifier value)
131197000	G-D785	Depth (qualifier value)
131426006	L-80121	Africander cattle breed (organism)
131427002	L-80122	Ankole cattle breed (organism)
131428007	L-80123	Ankole-Watusi cattle breed (organism)
131429004	L-80124	Baladi cattle breed (organism)
131430009	L-80125	Belmont Red cattle breed (organism)
131431008	L-80126	Bonsmara cattle breed (organism)
131432001	L-80127	Damietta cattle breed (organism)
131433006	L-80128	Horro cattle breed (organism)
131434000	L-80129	Kuri cattle breed (organism)
131435004	L-8012A	Nguni cattle breed (organism)
131436003	L-8012B	Philippine Native cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131437007	L-8012C	Romagnola cattle breed (organism)
131438002	L-8012E	Sanhe cattle breed (organism)
131439005	L-8012F	Tswana cattle breed (organism)
131440007	L-80138	Tuli cattle breed (organism)
131441006	L-8013A	Aliab Dinka cattle breed (organism)
131442004	L-8013B	Alur cattle breed (organism)
131443009	L-8013C	Ankina cattle breed (organism)
131444003	L-8013D	Apulian Podolian cattle breed (organism)
131445002	L-8013E	Arado cattle breed (organism)
131446001	L-8013F	Aweil Dinka cattle breed (organism)
131447005	L-8014C	Bahima cattle breed (organism)
131448000	L-8014D	Bapedi cattle breed (organism)
131449008	L-8014E	Baria (Vietnam/Madagascar) cattle breed (organism)
131450008	L-8014F	Barotse cattle breed (organism)
131451007	L-8015A	Barra do Cuanzo cattle breed (organism)
131452000	L-8015B	Bashi cattle breed (organism)
131453005	L-8015C	Basuto cattle breed (organism)
131454004	L-8015D	Batangas cattle breed (organism)
131455003	L-8015E	Bavenda cattle breed (organism)
131456002	L-8015F	Beja cattle breed (organism)
131457006	L-80161	Calabrian cattle breed (organism)
131458001	L-80162	Blonde-du Cap Bon cattle breed (organism)
131459009	L-80163	Chan-Doc cattle breed (organism)
131460004	L-80164	Chernigov cattle breed (organism)
131461000	L-80165	Chino Santandereano cattle breed (organism)
131462007	L-80166	Cinisara cattle breed (organism)
131463002	L-80167	Cuprem Hybrid cattle breed (organism)
131464008	L-80168	Dabieshan cattle breed (organism)
131465009	L-80169	Damara cattle breed (organism)
131466005	L-8016A	Danakil cattle breed (organism)
131467001	L-8016B	Dnieper cattle breed (organism)
131468006	L-8016C	Doayo cattle breed (organism)
131469003	L-8016D	Eastern Nuer cattle breed (organism)
131470002	L-8016E	Egyptian cattle breed (organism)
131471003	L-8016F	Fogera cattle breed (organism)
131472005	L-80177	Garfagnina cattle breed (organism)
131473000	L-80178	Grati cattle breed (organism)
131474006	L-80179	Gaunling cattle breed (organism)
131475007	L-8017A	Halhin Gol cattle breed (organism)
131476008	L-8017B	Holmonger cattle breed (organism)
131477004	L-8017C	Ilocos cattle breed (organism)
131478009	L-8017D	Iloilo cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131479001	L-8017E	Inkuku cattle breed (organism)
131480003	L-8017F	Iskar cattle breed (organism)
131481004	L-80180	Istrian cattle breed (organism)
131482006	L-80181	Javanese Ongole cattle breed (organism)
131483001	L-80182	Javanese Zebu cattle breed (organism)
131484007	L-80183	Jinnan cattle breed (organism)
131485008	L-80184	Kalmyk cattle breed (organism)
131486009	L-80185	Kaokoveld cattle breed (organism)
131487000	L-80186	Kazakh Whitehead cattle breed (organism)
131488005	L-80187	Kedah-Kelantan cattle breed (organism)
131489002	L-80188	Kigezi cattle breed (organism)
131490006	L-80189	Kisantu cattle breed (organism)
131491005	L-8018A	Kolubara cattle breed (organism)
131492003	L-8018B	Kurgan cattle breed (organism)
131493008	L-8018C	Kyoga cattle breed (organism)
131494002	L-8018D	Lucanian cattle breed (organism)
131495001	L-8018E	Maremmana cattle breed (organism)
131496000	L-8018F	Marianas cattle breed (organism)
131497009	L-80190	Maryuti cattle breed (organism)
131498004	L-80191	Mauritius Créole cattle breed (organism)
131499007	L-80192	Menufi cattle breed (organism)
131500003	L-80193	Mezzalina cattle breed (organism)
131501004	L-80194	Modicana cattle breed (organism)
131502006	L-80195	Moi cattle breed (organism)
131503001	L-80196	Nama cattle breed (organism)
131504007	L-80197	Nanyang cattle breed (organism)
131505008	L-80198	N'Dama Sanga cattle breed (organism)
131506009	L-80199	Nganda cattle breed (organism)
131507000	L-8019A	Nilotic Sanga cattle breed (organism)
131508005	L-8019B	Nkone cattle breed (organism)
131509002	L-8019C	North Malawi Angoni cattle breed (organism)
131510007	L-8019D	Nuer cattle breed (organism)
131511006	L-8019E	Nuras cattle breed (organism)
131512004	L-8019F	Nyoro cattle breed (organism)
131513009	L-801A0	Ovambo cattle breed (organism)
131514003	L-801A1	Pantelleria cattle breed (organism)
131515002	L-801A2	Pinzhou cattle breed (organism)
131516001	L-801A3	Porto Amboim cattle breed (organism)
131517005	L-801A4	Posavina cattle breed (organism)
131518000	L-801A5	Romanian Steppe cattle breed (organism)
131519008	L-801A6	Saidi cattle breed (organism)
131520002	L-801A7	Sardo-Modicana cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131521003	L-801A8	Sengologa cattle breed (organism)
131522005	L-801A9	Serere cattle breed (organism)
131523000	L-801AA	Seshaga cattle breed (organism)
131524006	L-801AB	Siberian Black Pied cattle breed (organism)
131525007	L-801AC	Socotra cattle breed (organism)
131526008	L-801AD	Southern Tswana cattle breed (organism)
131527004	L-801AE	Spreca cattle breed (organism)
131528009	L-801AF	Sunkuma cattle breed (organism)
131529001	L-801B0	Taiwan Zebu cattle breed (organism)
131530006	L-801B1	Thai cattle breed (organism)
131531005	L-801B2	Thailand Fighting Zebu cattle breed (organism)
131532003	L-801B3	Thanh-Hoa cattle breed (organism)
131533008	L-801B4	Tibetan cattle breed (organism)
131534002	L-801B5	Tonga cattle breed (organism)
131535001	L-801B6	Toro cattle breed (organism)
131536000	L-801B7	Tuni cattle breed (organism)
131537009	L-801B8	Turkish Gray Steppe cattle breed (organism)
131538004	L-801B9	Tuy-Hoa cattle breed (organism)
131539007	L-801BA	Ujumqin cattle breed (organism)
131540009	L-801BB	Abigar cattle breed (organism)
131541008	L-801BC	Africangus cattle breed (organism)
131542001	L-801BD	Agerolese cattle breed (organism)
131543006	L-801BE	Albese cattle breed (organism)
131544000	L-801BF	Ukrainian Gray cattle breed (organism)
131545004	L-801C0	Vietnamese Yellow cattle breed (organism)
131546003	L-801C1	Watusi (United States of America) cattle breed (organism)
131547007	L-801C2	Wenshan cattle breed (organism)
131548002	L-801C3	Yakut cattle breed (organism)
131549005	L-801C4	Yunnan Zebu cattle breed (organism)
131550005	L-801C5	Zambia Angoni cattle breed (organism)
131551009	L-801C6	Drakensberger cattle breed (organism)
131552002	L-801C7	Modicana lowland cattle breed (organism)
131553007	L-801C8	Taiwan Yellow cattle breed (organism)
131554001	L-801C9	Menggu cattle breed (organism)
131555000	L-801CA	Albères cattle breed (organism)
131556004	L-801CB	Alentejana cattle breed (organism)
131557008	L-801CC	American White Park cattle breed (organism)
131558003	L-801CD	Amerifaxcattle breed (organism)
131559006	L-801CE	Anatolian Black cattle breed (organism)
131560001	L-801CF	Andalusian Black cattle breed (organism)
131561002	L-801D0	Andalusian Gray cattle breed (organism)
131562009	L-801D1	Angeln cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131563004	L-801D2	Asturian Mountain cattle breed (organism)
131564005	L-801D3	Asturian Valley cattle breed (organism)
131565006	L-801D4	Aubrac cattle breed (organism)
131566007	L-801D5	Aulie-Ata cattle breed (organism)
131567003	L-801D6	Australian Lowline cattle breed (organism)
131568008	L-801D7	Barzona cattle breed (organism)
131569000	L-801D8	Bazadais cattle breed (organism)
131570004	L-801D9	Beefmaker cattle breed (organism)
131571000	L-801DA	Belarus Red cattle breed (organism)
131572007	L-801DB	Belgian Blue cattle breed (organism)
131573002	L-801DC	Belgian Red cattle breed (organism)
131574008	L-801DD	Belmont Adaptaur cattle breed (organism)
131575009	L-801DE	Berrendas cattle breed (organism)
131576005	L-801DF	Blacksided Trondheim and Norland cattle breed (organism)
131577001	L-801E0	Blanco Orejinegro cattle breed (organism)
131578006	L-801E1	Braunvieh cattle breed (organism)
131579003	L-801E2	British White cattle breed (organism)
131580000	L-801E3	Cachena cattle breed (organism)
131581001	L-801E4	Canary Island cattle breed (organism)
131582008	L-801E5	Carinthian Blond cattle breed (organism)
131583003	L-801E6	Caucasian cattle breed (organism)
131584009	L-801E7	Charolais cattle breed (organism)
131585005	L-801EA	Chinese Black-and-White cattle breed (organism)
131586006	L-801EB	Corriente cattle breed (organism)
131587002	L-801EC	Costeño con Cuernos cattle breed (organism)
131588007	L-801ED	Damascus cattle breed (organism)
131589004	L-801EE	Danish Red cattle breed (organism)
131590008	L-801EF	Devon cattle breed (organism)
131591007	L-801F0	Dølafe cattle breed (organism)
131592000	L-801F1	Dutch Belted cattle breed (organism)
131593005	L-801F2	Dutch Friesian cattle breed (organism)
131594004	L-801F3	English Longhorn cattle breed (organism)
131595003	L-801F4	Estonian Red cattle breed (organism)
131596002	L-801F5	Evolène cattle breed (organism)
131597006	L-801F6	Fighting Bull cattle breed (organism)
131598001	L-801F7	Fjall cattle breed (organism)
131599009	L-801F8	Florida Cracker/Pineywoods cattle breed (organism)
131600007	L-801F9	Galician Blond cattle breed (organism)
131601006	L-801FA	Gascon cattle breed (organism)
131602004	L-801FB	German Red Pied cattle breed (organism)
131603009	L-801FC	Glan cattle breed (organism)
131604003	L-801FD	Gloucester cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131605002	L-801FE	Groningen Whiteheaded cattle breed (organism)
131606001	L-801FF	Hartón cattle breed (organism)
131607005	L-80217	Mixed Breed Goat (organism)
131608000	L-80218	Australian Goat breed (organism)
131609008	L-80219	Arapawa Island goat breed (organism)
131610003	L-8021A	Maltese goat breed (organism)
131611004	L-8021B	Provençale goat breed (organism)
131612006	L-8021C	Negra Serrana goat breed (organism)
131613001	L-8021D	Orobica goat breed (organism)
131614007	L-8021E	Roya-Vesubie goat breed (organism)
131615008	L-8021F	Retinta Extremena goat breed (organism)
131616009	L-80220	Appenzell goat breed (organism)
131617000	L-80221	American Cashmere goat breed (organism)
131618005	L-80222	Altai Mountain goat breed (organism)
131619002	L-80223	Pyrenean goat breed (organism)
131620008	L-80224	Bagot goat breed (organism)
131621007	L-80225	Russian White goat breed (organism)
131622000	L-80226	Moxotó goat breed (organism)
131623005	L-80227	Myotonic goat breed (organism)
131624004	L-80228	Nachi goat breed (organism)
131625003	L-80229	Nigerian Dwarf goat breed (organism)
131626002	L-8022A	Sarda goat breed (organism)
131627006	L-8022B	Serpentina goat breed (organism)
131628001	L-8022C	Serrana goat breed (organism)
131629009	L-8022D	Verata goat breed (organism)
131630004	L-8022E	Verzasca black goat breed (organism)
131631000	L-80230	Norwegian goat breed (organism)
131632007	L-80231	Oberhasli goat breed (organism)
131633002	L-80232	Peacock Goat breed (organism)
131634008	L-80233	Philippine goat breed (organism)
131635009	L-80234	Loashan goat breed (organism)
131636005	L-80235	San Clemente goat breed (organism)
131637001	L-80236	Somali goat breed (organism)
131638006	L-80237	Spanish goat breed (organism)
131639003	L-80238	Rove goat breed (organism)
131640001	L-80239	SRD goat breed (organism)
131641002	L-80240	Swedish Landrace goat breed (organism)
131642009	L-80241	Thuringian goat breed (organism)
131643004	L-80242	Uzbek Black goat breed (organism)
131644005	L-80243	Zhongwei goat breed (organism)
131645006	L-80244	Barbari goat breed (organism)
131646007	L-80245	Poitou goat breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131647003	L-80246	Repartida goat breed (organism)
131648008	L-80247	Booted Goat breed (organism)
131649000	L-80248	Corsican goat breed (organism)
131650000	L-80249	Chapar goat breed (organism)
131651001	L-80250	Canindé goat breed (organism)
131652008	L-80251	Canary Island goat breed (organism)
131653003	L-80252	Daera Din Panah goat breed (organism)
131654009	L-80253	British Alpine goat breed (organism)
131655005	L-80254	Bhuj goat breed (organism)
131656006	L-80255	Boer goat breed (organism)
131657002	L-80256	Benadir goat breed (organism)
131658007	L-80257	Créole Antilles goat breed (organism)
131659004	L-80258	Beetal goat breed (organism)
131660009	L-80259	Golden Guernsey goat breed (organism)
131661008	L-80260	Danish Landrace goat breed (organism)
131662001	L-80261	Kaghani goat breed (organism)
131663006	L-80263	Irish Goat breed (organism)
131664000	L-80265	Grisons Striped goat breed (organism)
131665004	L-80266	Jining Gray goat breed (organism)
131666003	L-80267	Finnish Landrace goat breed (organism)
131667007	L-80268	Erzgebirg goat breed (organism)
131668002	L-80269	Kamori goat breed (organism)
131669005	L-80270	Don goat breed (organism)
131670006	L-80271	Kiko goat breed (organism)
131671005	L-80272	Kinder goat breed (organism)
131672003	L-80273	Pygora goat breed (organism)
131673008	L-80274	Wooden Leg goat breed (organism)
131674002	L-80275	Alpine Chamoisee goat breed (organism)
131675001	L-80276	Massif Central goat breed (organism)
131676000	L-80277	Malagueña goat breed (organism)
131677009	L-80278	Algarvia goat breed (organism)
131678004	L-80279	British Saanen goat breed (organism)
131679007	L-80280	British Toggenburg goat breed (organism)
131680005	L-80281	Bündner goat breed (organism)
131681009	L-80282	Blanca Andaluza goat breed (organism)
131682002	L-80283	Blanca Celtiberica goat breed (organism)
131683007	L-80284	Bravia goat breed (organism)
131684001	L-80285	Black Grisonne goat breed (organism)
131685000	L-80286	Chamois of the Alps goat breed (organism)
131686004	L-80287	Charnequeria goat breed (organism)
131687008	L-80288	Carpathe goat breed (organism)
131688003	L-80289	Col Noir du Valais goat breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131689006	L-80290	Damani goat breed (organism)
131690002	L-80291	Des Fosses (Communes de l'Ouest) goat breed (organism)
131691003	L-80292	English goat breed (organism)
131692005	L-80293	English Guernsey goat breed (organism)
131693000	L-80294	German colored goat breed (organism)
131694006	L-80295	Guadarrama goat breed (organism)
131695007	L-80296	Garganica goat breed (organism)
131696008	L-80297	Girgentana goat breed (organism)
131697004	L-80298	Jonica goat breed (organism)
131698009	L-80299	Murciana-Granadina goat breed (organism)
131699001	L-8031A	Bündner Oberland sheep breed (organism)
131700000	L-8031B	British Milk Sheep breed (organism)
131701001	L-8031C	Brillenschaf sheep breed (organism)
131702008	L-8031D	Brecknock Hill Cheviot sheep breed (organism)
131703003	L-8031E	Cholistani sheep breed (organism)
131704009	L-8031F	Bibrik sheep breed (organism)
131705005	L-8032A	Columbia sheep breed (organism)
131706006	L-8032B	Black Welsh Mountain Sheep breed (organism)
131707002	L-8032C	Blackhead Persian sheep breed (organism)
131708007	L-8032D	Bleu du Maine sheep breed (organism)
131709004	L-8032E	Bluefaced Leicester sheep breed (organism)
131710009	L-8032F	Bond sheep breed (organism)
131711008	L-8033A	Border Leicester sheep breed (organism)
131712001	L-8033B	Boreray sheep breed (organism)
131713006	L-8033C	Bovska sheep breed (organism)
131714000	L-8033D	Braunes Bergschaf sheep breed (organism)
131715004	L-8033E	Brazilian Somali sheep breed (organism)
131716003	L-8033F	Beulah Speckled-Face sheep breed (organism)
131717007	L-8034A	Dartmoor sheep breed (organism)
131718002	L-8034B	Fabrianese sheep breed (organism)
131719005	L-8034C	Exmoor Horn sheep breed (organism)
131720004	L-8034D	Elliottdale sheep breed (organism)
131721000	L-8034E	Drysdale sheep breed (organism)
131722007	L-8034F	Dorset Down sheep breed (organism)
131723002	L-80351	German Blackheaded Mutton sheep breed (organism)
131724008	L-80352	Kooka sheep breed (organism)
131725009	L-80353	Friesian Milk Sheep breed (organism)
131726005	L-80354	Gansu Alpine Fine-wool sheep breed (organism)
131727001	L-80355	German Whiteheaded Mutton sheep breed (organism)
131728006	L-80356	Graue Gehoernte Heidschnucke sheep breed (organism)
131729003	L-80357	Han sheep breed (organism)
131730008	L-80358	Gromark sheep breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131731007	L-80359	Gulf Coast Native sheep breed (organism)
131732000	L-8035A	Dorper sheep breed (organism)
131733005	L-8035B	Devon Closewool sheep breed (organism)
131734004	L-8035C	Deutsches Blaukoepfiges Fleischschaf sheep breed (organism)
131735003	L-8035D	Derbyshire Gritstone sheep breed (organism)
131736002	L-8035E	Coburger Fuchsschaf sheep breed (organism)
131737006	L-8035F	Danish Landrace sheep breed (organism)
131738001	L-80360	Gute sheep breed (organism)
131739009	L-80361	Hampshire sheep breed (organism)
131740006	L-80362	Gentile di Puglia sheep breed (organism)
131741005	L-80363	German Mountain sheep breed (organism)
131742003	L-80364	Luzein sheep breed (organism)
131743008	L-80365	Katahdin sheep breed (organism)
131744002	L-80366	Leineschaf sheep breed (organism)
131745001	L-80367	Lincoln Longwool sheep breed (organism)
131746000	L-80368	Llanwenog sheep breed (organism)
131747009	L-80369	Lleyn sheep breed (organism)
131748004	L-8036A	Damara sheep breed (organism)
131749007	L-8036B	Damani sheep breed (organism)
131750007	L-8036C	Dalesbred sheep breed (organism)
131751006	L-8036D	Dala sheep breed (organism)
131752004	L-8036E	Criollo sheep breed (organism)
131753009	L-8036F	Cormo sheep breed (organism)
131754003	L-80370	Lati sheep breed (organism)
131755002	L-80371	Lonk sheep breed (organism)
131756001	L-80372	Langhe sheep breed (organism)
131757005	L-80373	Manx Loaghtan sheep breed (organism)
131758000	L-80374	Masai sheep breed (organism)
131759008	L-80375	Merinolandschaf sheep breed (organism)
131760003	L-80376	Lohi sheep breed (organism)
131761004	L-80377	Ile-de-France sheep breed (organism)
131762006	L-80378	Hasht Nagri sheep breed (organism)
131763001	L-80379	Hazaragie sheep breed (organism)
131764007	L-8037A	Coopworth sheep breed (organism)
131765008	L-8037B	Comisana sheep breed (organism)
131766009	L-8037C	Comeback sheep breed (organism)
131767000	L-8037D	Sicilian Barbary sheep breed (organism)
131768005	L-8037E	Africana sheep breed (organism)
131769002	L-8037F	Welsh Mountain Badger Faced sheep breed (organism)
131770001	L-80380	Hebridean sheep breed (organism)
131771002	L-80381	Heidschnucke sheep breed (organism)
131772009	L-80382	Herdwick sheep breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131773004	L-80383	Hill Radnor sheep breed (organism)
131774005	L-80384	Icelandic sheep breed (organism)
131775006	L-80385	Harnai sheep breed (organism)
131776007	L-80386	Istrian Pramenka sheep breed (organism)
131777003	L-80387	Jacob sheep breed (organism)
131778008	L-80388	Jezerskosolcavska sheep breed (organism)
131779000	L-80389	Kachhi sheep breed (organism)
131780002	L-8038A	Wensleydale sheep breed (organism)
131781003	L-8038B	West African Dwarf sheep breed (organism)
131782005	L-8038C	White Suffolk sheep breed (organism)
131783000	L-8038D	Whiteface Dartmoor sheep breed (organism)
131784006	L-8038E	Whiteface Woodland sheep breed (organism)
131785007	L-8038F	Xinjiang Finewool sheep breed (organism)
131786008	L-80390	Kajli sheep breed (organism)
131787004	L-80391	Hog Island Sheep breed (organism)
131788009	L-80392	Biellese sheep breed (organism)
131789001	L-80393	Chios sheep breed (organism)
131790005	L-80394	Santa Cruz sheep breed (organism)
131791009	L-80395	Charollais sheep breed (organism)
131792002	L-80396	Castlemilk Moorit sheep breed (organism)
131793007	L-80397	Campanian Barbary sheep breed (organism)
131794001	L-80398	California Variegated Mutant sheep breed (organism)
131795000	L-80399	California Red sheep breed (organism)
131796004	L-8039A	Sopravissana sheep breed (organism)
131797008	L-8039B	Somali sheep breed (organism)
131798003	L-8039C	Welsh Hill Speckled Face sheep breed (organism)
131799006	L-8039D	Skudde sheep breed (organism)
131800005	L-8039E	Waziri sheep breed (organism)
131801009	L-8039F	Shetland sheep breed (organism)
131802002	L-80403	Cambridge sheep breed (organism)
131803007	L-80404	Solognote sheep breed (organism)
131804001	L-8040A	Colombian Criollo horse breed (organism)
131805000	L-8040B	Comtois horse breed (organism)
131806004	L-8040C	Corsican horse breed (organism)
131807008	L-8040D	Costa Rican Saddle Horse horse breed (organism)
131808003	L-8040E	Costeno horse breed (organism)
131809006	L-8040F	Cuban Paso horse breed (organism)
131816007	L-80420	Rough Fell sheep breed (organism)
131819000	L-8042D	Danish Warmblood horse breed (organism)
131822003	L-80432	Swaledale sheep breed (organism)
131823008	L-80434	Polypay sheep breed (organism)
131830002	L-80441	Pagliarola sheep breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131831003	L-80442	Pomeranian Coarsewool sheep breed (organism)
131832005	L-80443	Sheep, Breed Undetermined sheep breed (organism)
131833000	L-80444	Orkney sheep breed (organism)
131834006	L-80445	Old Norwegian sheep breed (organism)
131835007	L-80446	Old Format Sheep breed (organism)
131836008	L-80447	Norwegian Fur sheep breed (organism)
131837004	L-80448	Norfolk Horn sheep breed (organism)
131838009	L-80449	Navajo-Churro sheep breed (organism)
131851004	L-80466	Racka sheep breed (organism)
131852006	L-80467	Rasa Aragonesa sheep breed (organism)
131853001	L-80468	Red Engadine sheep breed (organism)
131854007	L-80469	Rhoenschaf sheep breed (organism)
131861006	L-80470	Hucul horse breed (organism)
131862004	L-80471	AraAppaloosa horse breed (organism)
131863009	L-80472	Argentine Criollo horse breed (organism)
131864003	L-80473	Argentine Polo Pony horse breed (organism)
131865002	L-80474	Australian Pony horse breed (organism)
131866001	L-80475	Auxois horse breed (organism)
131867005	L-80476	Avelignese horse breed (organism)
131868000	L-80477	Azerbaijan horse breed (organism)
131869008	L-80478	Azores horse breed (organism)
131870009	L-80479	Bali horse breed (organism)
131871008	L-8047A	Balikun horse breed (organism)
131872001	L-8047B	Waziri horse breed (organism)
131873006	L-8047C	Banker Horse horse breed (organism)
131874000	L-8047D	Bardigiano horse breed (organism)
131875004	L-8047E	Batak horse breed (organism)
131876003	L-8047F	Bavarian Warmblood horse breed (organism)
131877007	L-80480	Belgian Ardennais horse breed (organism)
131878002	L-80481	Belgian Halfblood horse breed (organism)
131879005	L-80482	Belgian Warmblood horse breed (organism)
131880008	L-80483	Bhutia horse breed (organism)
131881007	L-80484	Black Sea Horse horse breed (organism)
131882000	L-80485	Bosnian horse breed (organism)
131883005	L-80486	Boulonnais horse breed (organism)
131884004	L-80487	Brandenburg horse breed (organism)
131885003	L-80488	Brazilian Sport Horse horse breed (organism)
131886002	L-80489	British Appaloosa horse breed (organism)
131887006	L-8048A	British Riding Pony horse breed (organism)
131888001	L-8048B	British Spotted Pony horse breed (organism)
131889009	L-8048C	Buohai horse breed (organism)
131890000	L-8048D	Buryat horse breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131891001	L-8048E	Calabrian horse breed (organism)
131892008	L-8048F	Camargue horse breed (organism)
131893003	L-80490	Canadian Cutting Horse horse breed (organism)
131894009	L-80491	Canadian Rustic Pony horse breed (organism)
131895005	L-80492	Canadian Sport Horse horse breed (organism)
131896006	L-80493	Canik horse breed (organism)
131897002	L-80494	Cape Horse horse breed (organism)
131898007	L-80496	Cerbat horse breed (organism)
131899004	L-80497	Chakouyi horse breed (organism)
131900009	L-80498	Chara Horse horse breed (organism)
131901008	L-80499	Chickasaw horse breed (organism)
131902001	L-8049A	Chilote horse breed (organism)
131903006	L-8049B	Chinese Kazakh horse breed (organism)
131904000	L-8049C	Chinese Mongolian horse breed (organism)
131905004	L-8049D	Chumbivilcas horse breed (organism)
131906003	L-8049E	Chumysh horse breed (organism)
131907007	L-8049F	Cirit horse breed (organism)
131908002	L-804A1	Irish Draft horse breed (organism)
131909005	L-804A2	Irish Hunter horse breed (organism)
131910000	L-804A3	Cuban Trotter horse breed (organism)
131911001	L-804A4	Italian Heavy Draft horse breed (organism)
131912008	L-804A5	Jabe horse breed (organism)
131913003	L-804A6	Java horse breed (organism)
131914009	L-804A7	Vendéen sheep breed (organism)
131915005	L-804A8	Czech Warmblood horse breed (organism)
131916006	L-804A9	Jinhong horse breed (organism)
131917002	L-804AA	Jinzhou horse breed (organism)
131919004	L-804AC	Danubian horse breed (organism)
131920005	L-804AD	Karachai horse breed (organism)
131921009	L-804AE	Karakacan horse breed (organism)
131922002	L-804AF	Kathiawari horse breed (organism)
131923007	L-804B1	Ke-Er-Qin horse breed (organism)
131924001	L-804B2	Kirgiz horse breed (organism)
131925000	L-804B3	Kuznet horse breed (organism)
131926004	L-804B4	Landais horse breed (organism)
131927008	L-804B5	Lewitzer horse breed (organism)
131928003	L-804B6	Lichuan horse breed (organism)
131929006	L-804B7	Lijiang horse breed (organism)
131930001	L-804B8	Llanero horse breed (organism)
131931002	L-804B9	Lombok horse breed (organism)
131932009	L-804BA	Lundy Pony horse breed (organism)
131933004	L-804BB	Malakan horse breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131934005	L-804BC	Malopolski horse breed (organism)
131935006	L-804BD	Datong horse breed (organism)
131936007	L-804BE	Mangalarga Paulista horse breed (organism)
131937003	L-804BF	Dulmen Pony horse breed (organism)
131938008	L-804C1	Maremmana horse breed (organism)
131939000	L-804C2	Marwari horse breed (organism)
131940003	L-804C3	Megezh horse breed (organism)
131941004	L-804C4	Megrel horse breed (organism)
131942006	L-804C5	Merens horse breed (organism)
131943001	L-804C6	Messara horse breed (organism)
131944007	L-804C7	Sumba horse breed (organism)
131945008	L-804C8	Sumbawa horse breed (organism)
131946009	L-804C9	Swedish Ardennes horse breed (organism)
131947000	L-804CA	Dutch Tuigpaard horse breed (organism)
131948005	L-804CB	East and Southeast Anadolu horse breed (organism)
131949002	L-804CC	Thai Pony horse breed (organism)
131950002	L-804CD	Thessalonian horse breed (organism)
131951003	L-804CE	Tibetan horse breed (organism)
131952005	L-804CF	Tieling horse breed (organism)
131953000	L-804D1	Timor horse breed (organism)
131954006	L-804D2	Trakya horse breed (organism)
131955007	L-804D3	Trote en Gallope horse breed (organism)
131956008	L-804D4	Turkoman horse breed (organism)
131957004	L-804D5	Tushin horse breed (organism)
131958009	L-804D6	Tuva horse breed (organism)
131959001	L-804D7	Uzunyayla horse breed (organism)
131960006	L-804D9	Voronezh Coach Horse horse breed (organism)
131961005	L-804DA	Elegant Warmblood horse breed (organism)
131962003	L-804DB	Welsh Cob horse breed (organism)
131963008	L-804DC	Welsh Mountain Pony horse breed (organism)
131964002	L-804DE	English Hack horse breed (organism)
131965001	L-804DF	Wurttemberg horse breed (organism)
131966000	L-804E1	Xilingol horse breed (organism)
131967009	L-804E2	Yanqi horse breed (organism)
131968004	L-804E3	Yemeni Horses horse breed (organism)
131969007	L-804E4	Yili horse breed (organism)
131970008	L-804E5	Yiwu horse breed (organism)
131971007	L-804E6	Yunnan horse breed (organism)
131972000	L-804E7	German Riding Pony horse breed (organism)
131973005	L-804E8	Guanzhong horse breed (organism)
131974004	L-804E9	Guizhou horse breed (organism)
131975003	L-804EA	Guoxia horse breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
131976002	L-804EB	Erlunchun horse breed (organism)
131977006	L-804EC	Half Saddlebred horse breed (organism)
131978001	L-804ED	Flores horse breed (organism)
131979009	L-804EE	Freiberg horse breed (organism)
131980007	L-804EF	Hessen horse breed (organism)
131981006	L-804F1	Hinis horse breed (organism)
131982004	L-804F2	Hirzai horse breed (organism)
131983009	L-804F3	Hungarian Coldblood horse breed (organism)
131984003	L-804F4	Hungarian Dun horse breed (organism)
131985002	L-804F5	Hungarian Sport Horse horse breed (organism)
131986001	L-804F6	International Striped Horse horse breed (organism)
131987005	L-804F7	Irish Cob horse breed (organism)
131988000	L-804F8	Mezen horse breed (organism)
131989008	L-804F9	Mezohegyes Sport Horse horse breed (organism)
131990004	L-804FA	French Cob horse breed (organism)
131991000	L-804FB	French Saddle pony horse breed (organism)
131992007	L-804FC	Murakoz horse breed (organism)
131993002	L-804FE	Finnhorse Draft horse breed (organism)
131994008	L-804FF	Mecklenburg horse breed (organism)
131998006	L-80504	Catalana chicken breed (organism)
132009005	L-80542	Haiti Créole pig breed (organism)
132010000	L-80543	Manor Hybrid pig breed (organism)
132011001	L-80544	Hamline pig breed (organism)
132012008	L-80545	Manor Ranger pig breed (organism)
132013003	L-80546	Manor Meishan pig breed (organism)
132014009	L-80547	Cotswold Gold pig breed (organism)
132015005	L-80548	Cotswold Platinum pig breed (organism)
132016006	L-80549	Cotswold 16 pig breed (organism)
132017002	L-8054A	Cotswold 29 pig breed (organism)
132018007	L-8054B	Cotswold 90 pig breed (organism)
132019004	L-8054C	Hampen pig breed (organism)
132020005	L-8054D	SPM pig breed (organism)
132021009	L-8054E	High Conformation White pig breed (organism)
132022002	L-8054F	Line 32 pig breed (organism)
132023007	L-80555	Line 21 pig breed (organism)
132024001	L-80556	Meatline pig breed (organism)
132025000	L-80557	Hampline pig breed (organism)
132026004	L-80558	Euroline pig breed (organism)
132027008	L-80559	Norline pig breed (organism)
132028003	L-8055A	Premier pig breed (organism)
132029006	L-8055B	Tribred pig breed (organism)
132030001	L-8055C	American Essex pig breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132031002	L-8055D	Sino-Gascony pig breed (organism)
132032009	L-8055E	Guadeloupe Créole pig breed (organism)
132033004	L-8055F	Managra pig breed (organism)
132034005	L-8056A	Canadian Landrace pig breed (organism)
132035006	L-8056B	Canadian Yorkshire pig breed (organism)
132036007	L-8056C	Minnesota pig (organism)
132037003	L-8056D	Pineywoods pig breed (organism)
132038008	L-8056E	Catalina Island pig breed (organism)
132039000	L-8056F	Ras-n-Lansa pig breed (organism)
132040003	L-8057B	Pitman-Moore Miniature pig breed (organism)
132041004	L-8057C	Vita Vet Lab Minipig pig breed (organism)
132042006	L-8057D	Hanford Miniature pig breed (organism)
132043001	L-8057E	Black Hampshire pig breed (organism)
132044007	L-8057F	Red Hamprace pig breed (organism)
132045008	L-80583	American Yorkshire pig breed (organism)
132046009	L-80584	American Berkshire pig breed (organism)
132047000	L-80585	Camborough Blue pig breed (organism)
132048005	L-80586	Camborough 12 pig breed (organism)
132049002	L-80587	Westrain pig breed (organism)
132050002	L-80588	Dalland 030 pig breed (organism)
132051003	L-80589	Razor-Back pig breed (organism)
132052005	L-8058A	Macau pig breed (organism)
132053000	L-8058B	Moura pig breed (organism)
132054006	L-8058C	Canastra pig breed (organism)
132055007	L-8058D	Pirapetinga pig breed (organism)
132056008	L-8058E	Piau pig breed (organism)
132057004	L-8058F	Nilo-Canastra pig breed (organism)
132058009	L-80595	Canastrão pig breed (organism)
132059001	L-80596	Canastrão, Junqueira pig breed (organism)
132060006	L-80597	Canastrão, Capitão Chico pig breed (organism)
132061005	L-80598	Canastrão, Zabumba pig breed (organism)
132062003	L-80599	Canastrão, Cabano pig breed (organism)
132063008	L-8059A	Canastrão, Vermelho pig breed (organism)
132064002	L-8059B	Piau, Caruncho Piau pig breed (organism)
132065001	L-8059C	Canastrinho pig breed (organism)
132066000	L-8059D	Honduras Switch-Tail pig breed (organism)
132067009	L-8059E	Mastergilt pig breed (organism)
132068004	L-8059F	Sovereign pig breed (organism)
132069007	L-805A1	Poltava pig breed (organism)
132070008	L-805A2	Lipetsk pig breed (organism)
132071007	L-805A3	Soviet Meat pig breed (organism)
132072000	L-805A4	Central Russian pig breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132073005	L-805A5	Steppe Meat pig breed (organism)
132074004	L-805A6	Kharkov pig breed (organism)
132075003	L-805A7	Dnepropetrovsk pig breed (organism)
132076002	L-805A8	Russian Large White pig breed (organism)
132077006	L-805A9	Forest Mountain pig breed (organism)
132078001	L-805AA	Dnieper pig breed (organism)
132079009	L-805AB	Iberian pig breed (organism)
132080007	L-805AC	Iberian, Extremadura Red pig breed (organism)
132081006	L-805AD	Iberian, Jabugo Spotted pig breed (organism)
132082004	L-805AE	Iberian, Black Iberian pig breed (organism)
132083009	L-805AF	Philippine Native, Ilocos pig breed (organism)
132084003	L-805B1	Philippine Native, Jalajala pig breed (organism)
132085002	L-805B2	Mangalizta pig breed (organism)
132086001	L-805B3	Alentejana pig breed (organism)
132087005	L-805B4	Belgian Landrace, BN pig breed (organism)
132088000	L-805B5	French Large White pig breed (organism)
132089008	L-805B6	Hyper Large White pig breed (organism)
132090004	L-805B7	Tia Meslan pig breed (organism)
132091000	L-805B8	Pen ar Lan 77 pig breed (organism)
132092007	L-805B9	Penshire pig breed (organism)
132093002	L-805BA	Laconie pig breed (organism)
132094008	L-805BB	Murcian pig breed (organism)
132095009	L-805BC	Cavallino pig breed (organism)
132096005	L-805BD	Calabrian pig breed (organism)
132097001	L-805BE	Apulian pig breed (organism)
132098006	L-805BF	Siena Belted pig breed (organism)
132099003	L-805C1	Calascibetta pig breed (organism)
132100006	L-805C2	Güssing Forest Pig pig breed (organism)
132101005	L-805C3	Swiss Edelschwein pig breed (organism)
132102003	L-805C4	North Caucasus pig breed (organism)
132103008	L-805C5	Don pig breed (organism)
132104002	L-805C6	Rostov pig breed (organism)
132105001	L-805C7	Russian Long-Eared White pig breed (organism)
132106000	L-805C8	Russian Short-Eared White pig breed (organism)
132107009	L-805C9	Prisheksninsk pig breed (organism)
132108004	L-805CA	Breitov pig breed (organism)
132109007	L-805CB	Livny pig breed (organism)
132110002	L-805CC	Tsivilsk pig breed (organism)
132111003	L-805CD	Urzhum pig breed (organism)
132112005	L-805CE	Minisib pig breed (organism)
132113000	L-805CF	Sakhalin White pig breed (organism)
132114006	L-805D0	North Siberian pig breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132115007	L-805D1	Siberian Black Pied pig breed (organism)
132116008	L-805D2	Kemerovo pig breed (organism)
132117004	L-805D3	KM-1 pig breed (organism)
132118009	L-805D4	Aksaî Black Pied pig breed (organism)
132119001	L-805D5	Semirechensk pig breed (organism)
132120007	L-805D6	Min pig breed (organism)
132121006	L-805D7	Sanjiang White pig breed (organism)
132122004	L-805D8	Basque Black Pied pig breed (organism)
132123009	L-805D9	Corsican pig breed (organism)
132124003	L-805DA	Créole pig breed (organism)
132125002	L-805DB	Gascony pig breed (organism)
132126001	L-805DC	Limousin pig breed (organism)
132127005	L-805DD	Harbin White pig breed (organism)
132128000	L-805DE	Heilongjiang Spotted pig breed (organism)
132129008	L-805DF	Liaoning Black pig breed (organism)
132130003	L-805E1	Huang-Huai-Hai Black, Shenxian pig breed (organism)
132131004	L-805E2	Huang-Huai-Hai Black pig breed (organism)
132132006	L-805E3	Bamei pig breed (organism)
132133001	L-805E4	Hanjiang Black pig breed (organism)
132134007	L-805E5	Ding pig breed (organism)
132135008	L-805E6	Huai pig breed (organism)
132136009	L-805E7	New Huai pig breed (organism)
132137000	L-805E8	Mashen pig breed (organism)
132138005	L-805E9	Yimeng Black pig breed (organism)
132139002	L-805EB	Hetao Lop-Ear pig breed (organism)
132140000	L-805EC	Korean Native pig breed (organism)
132141001	L-805ED	Korean Improved pig breed (organism)
132142008	L-805EE	Penbuk pig breed (organism)
132143003	L-805EF	Beijing Black pig breed (organism)
132144009	L-805F1	Chenghua pig breed (organism)
132145005	L-805F2	Taoyuan pig breed (organism)
132146006	L-805F3	Taiwan Small Black pig breed (organism)
132147002	L-805F4	Taiwan Small Red pig breed (organism)
132148007	L-805F5	Guanling pig breed (organism)
132149004	L-805F6	Huchuan Mountain pig breed (organism)
132150004	L-805F7	Rongchang pig breed (organism)
132151000	L-805F8	Wujin pig breed (organism)
132152007	L-805F9	Dahe pig breed (organism)
132153002	L-805FA	Yanan pig breed (organism)
132154008	L-805FB	South Yunnan Short-Eared pig breed (organism)
132155009	L-805FC	Hainan, Lingao pig breed (organism)
132156005	L-805FD	Hainan, Tunchang pig breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132157001	L-805FE	Hainan, Wenchang pig breed (organism)
132158006	L-805FF	Liang Guang Small Spotted pig breed (organism)
132159003	L-8060A	German Pasture pig breed (organism)
132160008	L-8060B	Piau, Sorocaba pig breed (organism)
132161007	L-8060C	Nilo pig breed (organism)
132162000	L-8060D	Bahia pig breed (organism)
132163005	L-8060E	Perna-Curta pig breed (organism)
132164004	L-8060F	Carunchinho pig breed (organism)
132165003	L-80613	Mandi pig breed (organism)
132166002	L-80614	Orehla de Colher pig breed (organism)
132167006	L-80615	Venezuelan Black pig breed (organism)
132168001	L-80616	Bolivian pig breed (organism)
132169009	L-80617	Pelón pig breed (organism)
132170005	L-80618	Mexican Wattled pig breed (organism)
132171009	L-80619	Dalland 080 pig breed (organism)
132173007	L-8061B	Monarch pig breed (organism)
132174001	L-8061C	Bisaro pig breed (organism)
132175000	L-8061D	Black Hairless pig breed (organism)
132176004	L-8061E	Black Mangalitsa pig breed (organism)
132178003	L-80623	Borghigiana pig breed (organism)
132179006	L-80624	Chianina pig breed (organism)
132180009	L-80625	Cosentina pig breed (organism)
132181008	L-80626	Cuino pig breed (organism)
132182001	L-80627	Friuli Black pig breed (organism)
132183006	L-80628	Fumati pig breed (organism)
132184000	L-80629	Galician pig breed (organism)
132185004	L-8062A	German Berkshire pig breed (organism)
132186003	L-8062B	Ghori pig breed (organism)
132187007	L-8062C	Jianli pig breed (organism)
132188002	L-8062D	Lucanian pig breed (organism)
132189005	L-8062E	Maremmana pig breed (organism)
132190001	L-8062F	Miami pig breed (organism)
132191002	L-80634	Montmorillon pig breed (organism)
132192009	L-80635	Old Swedish Spotted pig breed (organism)
132193004	L-80636	Oliventina pig breed (organism)
132194005	L-80637	Parmense pig breed (organism)
132195006	L-80638	Romagnola pig breed (organism)
132196007	L-80639	Siberian pig breed (organism)
132197003	L-8063A	Small White pig breed (organism)
132198008	L-8063B	Baltaret pig breed (organism)
132199000	L-8063C	Tunchang pig breed (organism)
132200002	L-8063D	Sterling pig breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132201003	L-8063E	Vich pig breed (organism)
132202005	L-8063F	Vietnamese pig breed (organism)
132203000	L-80645	Vitoria pig breed (organism)
132204006	L-80646	Wai Chow pig breed (organism)
132205007	L-80647	Yorkshire Blue and White pig breed (organism)
132206008	L-80648	Dalland 020 pig breed (organism)
132207004	L-80649	Wiltshire pig breed (organism)
132208009	L-8064A	Hamroc pig breed (organism)
132209001	L-8064B	DRU (TM) Terminals pig breed (organism)
132210006	L-8064C	Camborough 22 pig breed (organism)
132211005	L-8064D	Camborough 15 pig breed (organism)
132212003	L-8064E	PR 1050 pig breed (organism)
132213008	L-8064F	PR 1075 pig breed (organism)
132214002	L-8065A	Chryak PIC pig breed (organism)
132215001	L-8065B	Canadian Royal Blue pig breed (organism)
132216000	L-8065C	Line 500 Duroc pig breed (organism)
132217009	L-8065D	Bodmin 950 pig breed (organism)
132218004	L-8065E	Canadian Duroc pig breed (organism)
132219007	L-8065F	Canadian Hampshire pig breed (organism)
132220001	L-80664	Ba Xuyen pig breed (organism)
132221002	L-80665	Arapawa Island pig breed (organism)
132222009	L-80666	Wuzhishan pig breed (organism)
132223004	L-80667	Philippine Native pig breed (organism)
132224005	L-80668	Sinclair Miniature pig breed (organism)
132225006	L-80669	Saddleback pig breed (organism)
132226007	L-8066A	Yucatan Miniature pig breed (organism)
132227003	L-8066B	Bantu pig breed (organism)
132228008	L-8066C	Tibetan pig breed (organism)
132229000	L-8066D	Turopolje pig breed (organism)
132230005	L-8066E	Vietnamese Pot-Bellied Pig pig breed (organism)
132231009	L-8066F	American Landrace pig breed (organism)
132232002	L-80670	Swallow Belied Mangalitza pig breed (organism)
132233007	L-80671	Fengjing pig breed (organism)
132234001	L-80672	Finnish Landrace pig breed (organism)
132235000	L-80673	Guinea Hog pig breed (organism)
132236004	L-80674	Hezuo pig breed (organism)
132237008	L-80675	Ossabaw Island pig breed (organism)
132238003	L-80676	Kele pig breed (organism)
132239006	L-80677	Krskopolje pig breed (organism)
132240008	L-80678	Kunekune pig breed (organism)
132241007	L-80679	Large Black-White pig breed (organism)
132242000	L-8067A	Lithuanian Native pig breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132243005	L-8067B	Meishan pig breed (organism)
132244004	L-8067C	Jinhua pig breed (organism)
132245003	L-8067D	Ningxiang pig breed (organism)
132246002	L-8067E	Mora Romagnola pig breed (organism)
132247006	L-8067F	Mukota pig breed (organism)
132248001	L-80680	Minzhu pig breed (organism)
132249009	L-80681	Neijiang pig breed (organism)
132250009	L-80682	Mulefoot pig breed (organism)
132251008	L-80683	Normand pig breed (organism)
132252001	L-80684	Angeln Saddleback pig breed (organism)
132253006	L-80685	Greek Local pig breed (organism)
132254000	L-80686	Icelandic pig breed (organism)
132255004	L-80687	Casertana pig breed (organism)
132256003	L-80688	Madonie-Sicilian pig breed (organism)
132257007	L-80689	Sardinian pig breed (organism)
132258002	L-8068A	Sicilian pig breed (organism)
132259005	L-8068B	Zlotniki Spotted pig breed (organism)
132260000	L-8068C	Zlotniki White pig breed (organism)
132261001	L-8068D	Siska pig breed (organism)
132262008	L-8068E	Sumadija pig breed (organism)
132263003	L-8068F	Froxfield Pygmy pig breed (organism)
132264009	L-80690	Danish Large White pig breed (organism)
132265005	L-80691	Danish Duroc pig breed (organism)
132266006	L-80692	Danish Hampshire pig breed (organism)
132267002	L-80693	Piggham pig breed (organism)
132268007	L-80694	New York Red pig breed (organism)
132269004	L-80695	Finnish Yorkshire pig breed (organism)
132270003	L-80696	Dutch Yorkshire pig breed (organism)
132271004	L-80697	Pulawy pig breed (organism)
132272006	L-80698	Pomeranian pig breed (organism)
132273001	L-80699	Polish Landrace pig breed (organism)
132274007	L-8069A	Estonian Bacon pig breed (organism)
132275008	L-8069B	Latvian White pig breed (organism)
132276009	L-8069C	Lithuanian White pig breed (organism)
132277000	L-8069D	BKB-1 pig breed (organism)
132278005	L-8069E	Belorus Black Pied pig breed (organism)
132279002	L-8069F	Mirgorod pig breed (organism)
132280004	L-806A1	Liang Guang Small Spotted, Luchuan pig breed (organism)
132281000	L-806A2	Fujian Small pig breed (organism)
132282007	L-806A3	North Fujian Black-and-White pig breed (organism)
132283002	L-806A4	Fuan Spotted pig breed (organism)
132284008	L-806A5	Putian pig breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132285009	L-806A6	Fuzhou Black pig breed (organism)
132286005	L-806A7	Minbei Spotted pig breed (organism)
132287001	L-806A8	Lantang pig breed (organism)
132288006	L-806A9	Liang Guang Small Spotted, Guangdong Small Ear pig breed (organism)
132289003	L-806AA	Longlin pig breed (organism)
132290007	L-806AB	Yuedong Black pig breed (organism)
132291006	L-806AC	Xiang pig breed (organism)
132292004	L-806AD	Cantonese pig breed (organism)
132293009	L-806AE	Jinhua, Dongyang pig breed (organism)
132294003	L-806AF	Jinhua, Yongkang pig breed (organism)
132295002	L-806B1	Daweizi pig breed (organism)
132296001	L-806B2	Huazhong Two-End Black pig breed (organism)
132297005	L-806B3	Huazhong Two-End Black, Jianli pig breed (organism)
132298000	L-806B4	Huazhong Two-End Black, Tongcheng pig breed (organism)
132299008	L-806B5	Huazhong Two-End Black, Satzeling pig breed (organism)
132300000	L-806B6	Ganzhongnan Spotted pig breed (organism)
132301001	L-806B7	Hang pig breed (organism)
132302008	L-806B8	Leping pig breed (organism)
132303003	L-806B9	Longyou Black pig breed (organism)
132304009	L-806BA	Wuyi Black pig breed (organism)
132305005	L-806BB	Lee-Sung pig breed (organism)
132306006	L-806BC	Lan-Yu pig breed (organism)
132307002	L-806BD	Vietnamese Yorkshire pig breed (organism)
132308007	L-806BE	Yujiang pig breed (organism)
132309004	L-806BF	Wanzhe Spotted pig breed (organism)
132310009	L-806C1	Wanzhe Spotted, Chunan Spotted pig breed (organism)
132311008	L-806C2	Wanzhe Spotted, Wannan Spotted pig breed (organism)
132312001	L-806C3	Shengxian Spotted pig breed (organism)
132313006	L-806C4	Qingping pig breed (organism)
132314000	L-806C5	Xiangxi Black pig breed (organism)
132315004	L-806C6	Bamaxiang pig breed (organism)
132316003	L-806C7	Taihu pig breed (organism)
132317007	L-806C8	Erhulian pig breed (organism)
132318002	L-806C9	Jiaxing Black pig breed (organism)
132319005	L-806CA	Mi pig breed (organism)
132320004	L-806CB	Shahutou pig breed (organism)
132321000	L-806CC	Jiaoxi pig breed (organism)
132322007	L-806CD	Shanghai White pig breed (organism)
132323002	L-806CE	Hubei White pig breed (organism)
132324008	L-806CF	Xinjin pig breed (organism)
132325009	L-806D1	Xinjin, Jilin Black pig breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132326005	L-806D2	Xinjin, Ning-an pig breed (organism)
132327001	L-806D3	Í pig breed (organism)
132328006	L-806D4	DBI pig breed (organism)
132329003	L-806D5	Xinjin, Xinjin pig breed (organism)
132330008	L-806D6	Meixin pig breed (organism)
132331007	L-806D7	North East China Spotted pig breed (organism)
132332000	L-806D8	Fannong Spotted pig breed (organism)
132333005	L-806D9	Laoshan pig breed (organism)
132334004	L-806DA	Nanjing Black pig breed (organism)
132335003	L-806DB	Shanxi Black pig breed (organism)
132336002	L-806DC	Ganzhou White pig breed (organism)
132337006	L-806DD	Guangxi White pig breed (organism)
132338001	L-806DE	Hanzhong White pig breed (organism)
132339009	L-806DF	Lutai White pig breed (organism)
132340006	L-806E1	Yili White pig breed (organism)
132341005	L-806E2	Xinjiang White pig breed (organism)
132342003	L-806E3	BSI pig breed (organism)
132343008	L-806E4	Mong Cai pig breed (organism)
132344002	L-806E5	Lang Hong pig breed (organism)
132345001	L-806E6	Muong Khuong pig breed (organism)
132346000	L-806E7	Meo pig breed (organism)
132347009	L-806E8	Tong Con pig breed (organism)
132348004	L-806E9	Ha Bac pig breed (organism)
132349007	L-806EA	Thai Binh pig breed (organism)
132350007	L-806EB	Co pig breed (organism)
132351006	L-806EC	Swiss Improved Landrace pig breed (organism)
132352004	L-806ED	German Landrace B pig breed (organism)
132353009	L-806EE	Edelschwein pig breed (organism)
132354003	L-806EF	Swabian-Hall pig breed (organism)
132355002	L-806F1	Bentheim Black Pied pig breed (organism)
132356001	L-806F2	Baldinger Spotted pig breed (organism)
132357005	L-806F3	German Red Pied pig breed (organism)
132358000	L-806F4	German Cornwall pig breed (organism)
132359008	L-806F5	Göttingen Miniature pig breed (organism)
132360003	L-806F6	Munich Miniature pig breed (organism)
132361004	L-806F8	Leicoma pig breed (organism)
132362006	L-806F9	Schwerfurt Meat pig breed (organism)
132363001	L-806FA	Hungarian White pig breed (organism)
132364007	L-806FB	Hungahyb pig breed (organism)
132365008	L-806FC	Bulgarian Native pig breed (organism)
132366009	L-806FD	East Balkan pig breed (organism)
132367000	L-806FE	Kula pig breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132368005	L-806FF	Nghia Binh pig breed (organism)
132369002	L-8077A	Dachshund, Miniature breed (organism)
132371002	L-807E2	Bichon Teneriffe dog breed (organism)
132372009	L-807E3	Bizanian Hound dog breed (organism)
132373004	L-807E4	Saint Hubert bloodhound dog breed (organism)
132374005	L-807E5	Bloodhound, Southern Hound dog breed (organism)
132376007	L-807E7	Brandlbracke dog breed (organism)
132377003	L-807E8	Braque d'Ariége dog breed (organism)
132378008	L-807E9	Portuguese Guard Dog breed (organism)
132379000	L-807EA	Great Münsterländer dog breed (organism)
132380002	L-807EB	Beagle, Smooth dog breed (organism)
132381003	L-807EC	Beagle, Rough dog breed (organism)
132382005	L-807ED	Belgian Griffon, Rough dog breed (organism)
132383000	L-807EE	Belgian Griffon, Smooth dog breed (organism)
132384006	L-807EF	Braque Belge dog breed (organism)
132385007	L-807F1	Belgian Street Dog breed (organism)
132386008	L-807F2	Bernese Hound dog breed (organism)
132387004	L-808A1	Eurasier dog breed (organism)
132388009	L-808A2	English Bulldog breed (organism)
132389001	L-808A3	Dogue de Bordeaux dog breed (organism)
132390005	L-808A4	Kai Ken dog breed (organism)
132391009	L-808A5	Kui Mlk dog breed (organism)
132392002	L-808A6	Argentine Dogo dog breed (organism)
132393007	L-808A7	Alentejo herder dog breed (organism)
132394001	L-808A8	Saint Bernard, Long-haired dog breed (organism)
132395000	L-808A9	Saint Bernard, Short-haired dog breed (organism)
132396004	L-808AA	West Siberian Laika dog breed (organism)
132397008	L-808AB	Basset Fauve de Bretagne dog breed (organism)
132398003	L-808AC	Japanese Retriever dog breed (organism)
132399006	L-808AD	Kai Dog breed (organism)
132400004	L-808AE	American Blue Gascon Hound dog breed (organism)
132401000	L-808AF	Beagle Harrier dog breed (organism)
132402007	L-808B1	Kangal Dog breed (organism)
132403002	L-808B2	Leopard Cur dog breed (organism)
132404008	L-808B3	Patterdale Terrier dog breed (organism)
132405009	L-808B4	Petit Brabaçon dog breed (organism)
132406005	L-808B5	Aidi dog breed (organism)
132407001	L-808B6	American Indian Dog breed (organism)
132408006	L-808B7	Austrian Pinscher dog breed (organism)
132409003	L-808B8	American Eskimo, standard dog breed (organism)
132410008	L-808B9	American Eskimo, Miniature dog breed (organism)
132411007	L-808BA	American Eskimo, Toy dog breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132412000	L-808BB	Basset Griffon Vendéen dog breed (organism)
132413005	L-808BC	Batard dog breed (organism)
132414004	L-808BD	Basset Bleu de Gascogne dog breed (organism)
132415003	L-808BE	Braque Dupuy dog breed (organism)
132416002	L-808BF	Bruno de Jura dog breed (organism)
132417006	L-808C1	Cão da Serra de Aires dog breed (organism)
132418001	L-808C2	Cão de Castro Laboreiro dog breed (organism)
132419009	L-808C3	Cão de Fila Miguel dog breed (organism)
132420003	L-808C4	Catalan Sheepdog breed (organism)
132421004	L-808C5	Caucasian Shepherd Dog breed (organism)
132422006	L-808C6	Cirneco dell'Etna dog breed (organism)
132423001	L-808C7	English Toy Terrier dog breed (organism)
132424007	L-808C8	German Spitz dog breed (organism)
132426009	L-808CA	Fauve de Bretagne dog breed (organism)
132427000	L-808CB	Hellenic Hound dog breed (organism)
132428005	L-808CC	Holland Shepherd dog breed (organism)
132429002	L-808CD	Japanese Spitz dog breed (organism)
132430007	L-808CE	Jämthund dog breed (organism)
132431006	L-808CF	Jindo dog breed (organism)
132432004	L-808D1	Karelo-Finnish Laika dog breed (organism)
132433009	L-808D2	King Shepherd dog breed (organism)
132434003	L-808D3	Kishu dog breed (organism)
132435002	L-808D4	Kirhiz dog breed (organism)
132436001	L-808D5	Magyar Agår dog breed (organism)
132437005	L-808D6	Middle Asian Ovtcharka dog breed (organism)
132438000	L-808D7	Mi-Ki dog breed (organism)
132439008	L-808D8	Miniature Australian Shepherd dog breed (organism)
132440005	L-808D9	Min-pei dog breed (organism)
132441009	L-808DA	Mountain Cur dog breed (organism)
132442002	L-808DB	Moscow Longhaired Toy Terrier dog breed (organism)
132443007	L-808DC	Perdigueiro Portuguese dog breed (organism)
132444001	L-808DD	Podengo Canario dog breed (organism)
132445000	L-808DE	Podengo Pequeno dog breed (organism)
132446004	L-808DF	Pressa Mallorquin dog breed (organism)
132447008	L-808E1	Pyrenean Mastiff dog breed (organism)
132448003	L-808E2	Rastreador Brasileiro dog breed (organism)
132449006	L-808E3	Sabueso Español dog breed (organism)
132450006	L-808E4	Schiller Hound dog breed (organism)
132451005	L-808E5	South Russian Steppe Hound dog breed (organism)
132452003	L-808E6	Styrian Mountain dog breed (organism)
132453008	L-808E7	Berger du Languedoc dog breed (organism)
132454002	L-808E8	Teddy Roosevelt Terrier dog breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132455001	L-808E9	Transylvanian Hound dog breed (organism)
132456000	L-808EA	Trigg Hound dog breed (organism)
132457009	L-808EB	Tyrolean Hound dog breed (organism)
132458004	L-808EC	White Shepherd dog breed (organism)
132459007	L-808ED	Wirehair Styrian mountain dog breed (organism)
132460002	L-808EE	Yugoslavian Hound dog breed (organism)
132461003	L-808EF	Old Farm Collie dog breed (organism)
132462005	L-808F1	Old German Shepherd dog breed (organism)
132463000	L-808F2	New Zealand Heading Dog breed (organism)
132464006	L-808F3	German Koolie dog breed (organism)
132465007	L-808F4	Smithfield dog breed (organism)
132466008	L-808F5	Spanish Greyhound dog breed (organism)
132467004	L-808F6	Armant dog breed (organism)
132468009	L-808F8	Australian Greyhound dog breed (organism)
132469001	L-808F9	Australian Terrier, rough-coated dog breed (organism)
132470000	L-808FA	Australian Terrier, silky dog breed (organism)
132471001	L-808FB	Austrian Hound dog breed (organism)
132472008	L-808FC	Austrian Smooth-Haired Bracke dog breed (organism)
132473003	L-808FD	Balkan Hound dog breed (organism)
132474009	L-808FE	Banjara greyhound dog breed (organism)
132475005	L-808FF	Beagle, Standard dog breed (organism)
132476006	L-80916	Estrela Mountain Dog breed (organism)
132477002	L-80917	Epagneul Picard dog breed (organism)
132478007	L-80918	Epagneul Bleu de Picardie dog breed (organism)
132479004	L-80919	Estonian Hound dog breed (organism)
132480001	L-80920	Epagneul Pont-Audemer dog breed (organism)
132481002	L-80921	Eurasian dog breed (organism)
132482009	L-80922	Fell Terrier dog breed (organism)
132483004	L-80923	Fila Brasileiro dog breed (organism)
132484005	L-80924	Finnish Hound dog breed (organism)
132485006	L-80925	Finnish Lapphund dog breed (organism)
132486007	L-80926	Entlebucher dog breed (organism)
132487003	L-80927	French Guard Dog breed (organism)
132488008	L-80928	French Spaniel dog breed (organism)
132489000	L-80929	Coton de Tuléar dog breed (organism)
132490009	L-80930	Hamiltonstövare dog breed (organism)
132491008	L-80931	Danish Broholmer dog breed (organism)
132492001	L-80932	English Shepherd dog breed (organism)
132493006	L-80933	Drentse Patrijshond dog breed (organism)
132494000	L-80934	Dunker dog breed (organism)
132495004	L-80935	Kooikerhondje dog breed (organism)
132496003	L-80936	Dutch Shepherd dog breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132497007	L-80937	East Siberian Laika dog breed (organism)
132498002	L-80938	Deutsche bracke dog breed (organism)
132499005	L-80939	Hanoverian Hound dog breed (organism)
132500001	L-80940	Hovawart dog breed (organism)
132501002	L-80941	Icelandic Sheepdog breed (organism)
132502009	L-80942	Inca Hairless Dog breed (organism)
132503004	L-80943	Irish Red and White Setter dog breed (organism)
132504005	L-80944	Jagdterrier dog breed (organism)
132505006	L-80945	German Spaniel dog breed (organism)
132506007	L-80946	Grand Anglo-Français dog breed (organism)
132507003	L-80947	Grand Bassett Griffon Vendéen dog breed (organism)
132508008	L-80948	Grand Bleu de Gascogne dog breed (organism)
132509000	L-80949	Grand Gascon-Saintongeois dog breed (organism)
132510005	L-80950	German Pinscher dog breed (organism)
132511009	L-80951	Greater Swiss Mountain Dog breed (organism)
132512002	L-80952	Greenland Dog breed (organism)
132513007	L-80953	Griffon Fauve de Bretegne dog breed (organism)
132514001	L-80954	Griffon Nivernais dog breed (organism)
132515000	L-80955	Grand Griffon Vendéen dog breed (organism)
132516004	L-80956	Ainu dog breed (organism)
132517008	L-80957	Basset Artésian Normand dog breed (organism)
132518003	L-80958	Bavarian Mountain Hound dog breed (organism)
132519006	L-80959	Beauceron dog breed (organism)
132520000	L-80960	Azawakh dog breed (organism)
132521001	L-80961	Australian Shepherd dog breed (organism)
132522008	L-80962	Belgian Wolfhound dog breed (organism)
132523003	L-80963	Bergamasco dog breed (organism)
132524009	L-80964	Berger de Picard dog breed (organism)
132525005	L-80965	Berger de Pyrenees dog breed (organism)
132526006	L-80966	Billy dog breed (organism)
132527002	L-80967	Belgian Griffon dog breed (organism)
132528007	L-80968	American Hairless Terrier dog breed (organism)
132529004	L-80969	Beagle, Elizabethan dog breed (organism)
132530009	L-80970	Japanese Pointer dog breed (organism)
132531008	L-80971	Akbash dog breed (organism)
132532001	L-80972	Alapaha blueblood bulldog breed (organism)
132533006	L-80973	Barbet dog breed (organism)
132534000	L-80974	American Bulldog breed (organism)
132535004	L-80975	Black Russian Terrier dog breed (organism)
132536003	L-80976	Anglo-Francais de moyen venerie dog breed (organism)
132537007	L-80977	Anglo-Francais de petit venerie dog breed (organism)
132538002	L-80978	Appenzeller dog breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132539005	L-80979	Ariégeois dog breed (organism)
132540007	L-80980	Alano Español dog breed (organism)
132541006	L-80981	Australian Kelpie dog breed (organism)
132542004	L-80982	Alpine dachsbracke dog breed (organism)
132543009	L-80983	Chien Français Blanc et Noir dog breed (organism)
132544003	L-80984	Carolina Dog breed (organism)
132545002	L-80985	Catahoula Leopard dog breed (organism)
132546001	L-80986	Caucasian Mountain Dog breed (organism)
132547005	L-80987	Cesky Fousek dog breed (organism)
132548000	L-80988	Cesky Terrier dog breed (organism)
132549008	L-80989	Chart Polski dog breed (organism)
132550008	L-80990	Black Forest Hound dog breed (organism)
132551007	L-80991	Chien d'Artois dog breed (organism)
132552000	L-80992	Canaan dog breed (organism)
132553005	L-80993	Chien Français Tricolore dog breed (organism)
132554004	L-80994	Chinese Crested dog breed (organism)
132555003	L-80995	Chinese Foo Dog breed (organism)
132556002	L-80996	Chinese Imperial ch'in dog breed (organism)
132557006	L-80997	Chinook dog breed (organism)
132558001	L-80998	Chien Français Blanc et Orange dog breed (organism)
132559009	L-80999	Braque Francais de Grand Taille dog breed (organism)
132560004	L-809A1	Bolognese dog breed (organism)
132561000	L-809A2	Border Collie dog breed (organism)
132562007	L-809A3	Bracco Italiano dog breed (organism)
132563002	L-809A4	Cane Corso dog breed (organism)
132564008	L-809A5	Braque du Bourbonnais dog breed (organism)
132565009	L-809A6	Braque Francais de Petite Taille dog breed (organism)
132566005	L-809A7	Braque Saint-Germain dog breed (organism)
132567001	L-809A8	Briquet Basset Griffon Vendéen dog breed (organism)
132568006	L-809A9	Black Mouth Cur dog breed (organism)
132569003	L-809AA	Braque d'Auvergne dog breed (organism)
132570002	L-809AB	Schapendoes dog breed (organism)
132571003	L-809AC	Sarplaninac dog breed (organism)
132572005	L-809AD	Russo-Laika dog breed (organism)
132573000	L-809AE	Bosnian Hound dog breed (organism)
132574006	L-809AF	Rat Terrier dog breed (organism)
132575007	L-809B1	Pumi dog breed (organism)
132576008	L-809B2	Presa Canario dog breed (organism)
132577004	L-809B3	Portuguese Pointer dog breed (organism)
132578009	L-809B4	Porcelaine dog breed (organism)
132579001	L-809B5	Shropshire Terrier dog breed (organism)
132580003	L-809B6	Boykin Spaniel dog breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132581004	L-809B7	Southern Blackmouth Cur dog breed (organism)
132582006	L-809B8	South Russian Ovcharka dog breed (organism)
132583001	L-809B9	Small Spanish Hound dog breed (organism)
132584007	L-809BA	Small Münsterländer dog breed (organism)
132585008	L-809BB	Slovak Cuvak dog breed (organism)
132586009	L-809BC	Shiloh Shepherd dog breed (organism)
132587000	L-809BD	Shiba Inu dog breed (organism)
132588005	L-809BE	Welsh Sheepdog breed (organism)
132589002	L-809BF	Shar-pei dog breed (organism)
132590006	L-809C1	Sloughi dog breed (organism)
132591005	L-809C2	Owczarek Podhalandski dog breed (organism)
132592003	L-809C3	Norbottenspets dog breed (organism)
132593008	L-809C4	Norwegian Dunkerhound dog breed (organism)
132594002	L-809C5	Old Danish Bird Dog breed (organism)
132595001	L-809C6	Old Format Dachsund dog breed (organism)
132596000	L-809C7	Old Format Manchester Terrier dog breed (organism)
132597009	L-809C8	Old Format Min/Toy Poodle dog breed (organism)
132598004	L-809C9	Old Format Welsh Corgi dog breed (organism)
132599007	L-809CA	Neopolitan Mastiff dog breed (organism)
132600005	L-809CB	Perdiguero de Burgos dog breed (organism)
132601009	L-809CC	Perdiguero Navarro dog breed (organism)
132602002	L-809CD	Peruvian Inca Orchid dog breed (organism)
132603007	L-809CE	Petit Bleu de Gascogne dog breed (organism)
132604001	L-809CF	Petit Gascon-Saintongeois dog breed (organism)
132605000	L-809D1	Petit Griffon Bleu de Gascogne dog breed (organism)
132606004	L-809D2	Olde English Bulldogge dog breed (organism)
132607008	L-809D3	Löwchen dog breed (organism)
132608003	L-809D4	Polski Owczarek Nizinny dog breed (organism)
132609006	L-809D5	Polish Hound dog breed (organism)
132610001	L-809D6	Poitevin dog breed (organism)
132611002	L-809D7	Spanish Pointer dog breed (organism)
132612009	L-809D8	Kyi-Leo dog breed (organism)
132613004	L-809D9	Large Spanish Hound dog breed (organism)
132614005	L-809DA	Lundehund dog breed (organism)
132615006	L-809DB	Lurcher Hound dog breed (organism)
132616007	L-809DC	Maremma Sheepdogs dog breed (organism)
132617003	L-809DD	McNab dog breed (organism)
132618008	L-809DE	Miniature Bull Terrier dog breed (organism)
132619000	L-809DF	Mixed breed dog (organism)
132620006	L-809E1	Mudi dog breed (organism)
132621005	L-809E2	Munster Lander Pointer dog breed (organism)
132622003	L-809E3	Leonberger dog breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132623008	L-809E4	Chi Terrier dog breed (organism)
132624002	L-809E5	Krasky Ovcar dog breed (organism)
132625001	L-809E6	Kromfohrländer dog breed (organism)
132626000	L-809E7	Havanese dog breed (organism)
132627009	L-809E8	American lamalese dog breed (organism)
132629007	L-809EA	Norwegian Lundehund dog breed (organism)
132630002	L-809EB	North American Shepherd dog breed (organism)
132631003	L-809EC	Kyi Apso dog breed (organism)
132632005	L-809ED	Swedish Lapphund dog breed (organism)
132633000	L-809EE	Treeing Tennessee Brindle dog breed (organism)
132634006	L-809EF	Telomian dog breed (organism)
132635007	L-809F1	Swedish Vallhund dog breed (organism)
132636008	L-809F2	Stumpy Tail Cattle Dog breed (organism)
132637004	L-809F3	Stabyhoun dog breed (organism)
132638009	L-809F4	Spinone Italiano dog breed (organism)
132639001	L-809F5	Spanish Mastiff dog breed (organism)
132640004	L-809F6	Berger Shetland dog breed (organism)
132641000	L-809F7	Thai Ridgeback dog breed (organism)
132642007	L-809F8	Swiss Mountain Dog breed (organism)
132643002	L-809F9	Tibetan Mastiff dog breed (organism)
132644008	L-809FA	Glen of Imaal Terrier dog breed (organism)
132645009	L-809FB	Tosa Inu dog breed (organism)
132646005	L-809FC	Toy Havanese Terrier dog breed (organism)
132647001	L-809FD	Treeing Cur dog breed (organism)
132648006	L-809FE	Treeing Feist dog breed (organism)
132649003	L-809FF	Greater Swiss Mountain Hound dog breed (organism)
132650003	L-80A70	Harlequin cat breed (organism)
132651004	L-80A71	Manxamese cat breed (organism)
132652006	L-80A73	Maltese cat breed (organism)
132653001	L-80A74	Mixed breed cat (organism)
132654007	L-80A75	Ragdoll cat breed (organism)
132655008	L-80A76	Turkish van cat breed (organism)
132656009	L-80A77	British Blue cat breed (organism)
132657000	L-80A78	American Bobtail Shorthair cat breed (organism)
132658005	L-80A79	American Bobtail Longhair cat breed (organism)
132659002	L-80A80	American Curl cat breed (organism)
132660007	L-80A81	Australian Mist cat breed (organism)
132661006	L-80A83	Bengal cat breed (organism)
132662004	L-80A84	Brazilian Shorthair cat breed (organism)
132663009	L-80A85	California Spangled cat breed (organism)
132664003	L-80A86	Chantilly/Tiffany cat breed (organism)
132665002	L-80A87	Shorthair cat breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132666001	L-80A88	German Rex cat breed (organism)
132667005	L-80A89	LaPerm Shorthair cat breed (organism)
132668000	L-80A90	LaPerm Longhair cat breed (organism)
132669008	L-80A91	Munchkin Shorthair cat breed (organism)
132670009	L-80A92	Munchkin Longhair cat breed (organism)
132671008	L-80A93	Nebelung cat breed (organism)
132672001	L-80A94	Norwegian Forest cat breed (organism)
132673006	L-80A95	Oriental Longhair cat breed (organism)
132675004	L-80A97	Ragamuffin cat breed (organism)
132676003	L-80A99	Selkirk Rex cat breed (organism)
132677007	L-80AA1	Siberian cat breed (organism)
132678002	L-80AA2	Snowshoe cat breed (organism)
132679005	L-80AA3	Sokoke cat breed (organism)
132680008	L-80AA4	Sphynx cat breed (organism)
132681007	L-80B01	Bergamasca sheep breed (organism)
132682000	L-80B02	Portland sheep breed (organism)
132684004	L-80B04	Weisse Hornlose Heidschnucke sheep breed (organism)
132685003	L-80B05	Drents Heideschaap sheep breed (organism)
132686002	L-80B06	Kameroen sheep breed (organism)
132687006	L-80B07	Mergelland sheep breed (organism)
132688001	L-80B08	Ouessant sheep breed (organism)
132689009	L-80B09	Canadian Arcott sheep breed (organism)
132690000	L-80B10	Noordhollander sheep breed (organism)
132697002	L-80B17	Rijnlam-A sheep breed (organism)
132698007	L-80B18	Schoonebeker sheep breed (organism)
132699004	L-80B19	Wallis Blacknosed Sheep breed (organism)
132701004	L-80B22	Newfoundland sheep breed (organism)
132702006	L-80B23	Wallis Country Sheep breed (organism)
132703001	L-80B24	Rideau Arcott sheep breed (organism)
132704007	L-80B25	Tukidale sheep breed (organism)
132705008	L-80B26	Polwarth sheep breed (organism)
132706009	L-80B27	Ryeland sheep breed (organism)
132707000	L-80B2A	Thalli sheep breed (organism)
132708005	L-80B2B	Tong sheep breed (organism)
132709002	L-80B2C	Touabire sheep breed (organism)
132710007	L-80B2D	Tunis sheep breed (organism)
132711006	L-80B2E	Tyrol Mountain sheep breed (organism)
132712004	L-80B2F	Uda sheep breed (organism)
132716001	L-80B33	German Mutton Merino sheep breed (organism)
132717005	L-80B34	Medium-Wool Merino sheep breed (organism)
132718000	L-80B35	Fonthill Merino sheep breed (organism)
132719008	L-80B36	South African Mutton Merino sheep breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132720002	L-80B37	Strong Wool Merino sheep breed (organism)
132721003	L-80B38	Poll Merino sheep breed (organism)
132722005	L-80B39	Fine Merino sheep breed (organism)
132723000	L-80B3A	South African Merino sheep breed (organism)
132724006	L-80B40	Superfine Merino sheep breed (organism)
132731005	L-80B47	Baden Wurttemburg horse breed (organism)
132732003	L-80B48	British Warmblood horse breed (organism)
132733008	L-80B49	Israeli horse breed (organism)
132734002	L-80B4A	French Ardennais horse breed (organism)
132735001	L-80B4B	Booroola Merino sheep breed (organism)
132736000	L-80B50	Cukurova horse breed (organism)
132737009	L-80B51	Czech Coldblood horse breed (organism)
132738004	L-80B52	Czechoslovakian Small Riding Horse horse breed (organism)
132739007	L-80B53	Jianchang horse breed (organism)
132740009	L-80B54	Jielin horse breed (organism)
132741008	L-80B55	Wielkopolski horse breed (organism)
132742001	L-80B56	Eleia horse breed (organism)
132743006	L-80B57	English Cob horse breed (organism)
132744000	L-80B58	Welsh Pony horse breed (organism)
132745004	L-80B59	Welsh Pony of Cob Type horse breed (organism)
132746003	L-80B5A	English Hunter horse breed (organism)
132747007	L-80B5B	Eriskay Pony horse breed (organism)
132748002	L-80B5C	Hackney Pony horse breed (organism)
132749005	L-80B5D	Estonian Draft horse breed (organism)
132750005	L-80B5E	Heihe horse breed (organism)
132751009	L-80B5F	Heilongkaing horse breed (organism)
132757008	L-80B65	Danish Sport Pony horse breed (organism)
132758003	L-80B66	Kabarda horse breed (organism)
132759006	L-80B67	Kalmyk horse breed (organism)
132760001	L-80B68	Mangalarga Marchador horse breed (organism)
132761002	L-80B69	Don horse breed (organism)
132762009	L-80B6A	Manipuri horse breed (organism)
132763004	L-80B6B	Swiss Warmblood horse breed (organism)
132764005	L-80B6C	Tavda horse breed (organism)
132765006	L-80B6D	East Bulgarian horse breed (organism)
132766007	L-80B6E	East Friesian (Old Type) horse breed (organism)
132767003	L-80B6F	East Friesian Warmblood (Modern Type) horse breed (organism)
132768008	L-80B70	Kakhetian pig breed (organism)
132769000	L-80B71	West French White pig breed (organism)
132770004	L-80B80	Miniature Hereford cattle breed (organism)
132771000	L-80B81	Jem-Jem Zebu cattle breed (organism)
132772007	L-80B82	Minusin horse breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132773002	L-80B83	Morochuco horse breed (organism)
132774008	L-80B84	French Trotter horse breed (organism)
132775009	L-80B85	Furioso horse breed (organism)
132776005	L-80B86	Murghese horse breed (organism)
132777001	L-80B87	Mytilene horse breed (organism)
132778006	L-80B88	Namib Desert Horse horse breed (organism)
132779003	L-80B89	Danish Oldenborg horse breed (organism)
132780000	L-80B8A	Volynsk cattle breed (organism)
132781001	L-80B8B	Senepol cattle breed (organism)
132782008	L-80B8C	Shilluk cattle breed (organism)
132783003	L-80B8D	Sar Planina sheep breed (organism)
132784009	L-80B8E	Santa Inês sheep breed (organism)
132785005	L-80B8F	Sahel-type sheep breed (organism)
132786006	L-80B90	Rygja sheep breed (organism)
132787002	L-80B91	Rya sheep breed (organism)
132788007	L-80B92	Moghani sheep breed (organism)
132789004	L-80B93	Rouge de l'Quest sheep breed (organism)
132790008	L-80B94	Soay sheep breed (organism)
132791007	L-80B95	South Suffolk sheep breed (organism)
132792000	L-80B96	South Wales Mountain sheep breed (organism)
132793005	L-80B97	Spælsau sheep breed (organism)
132794004	L-80B98	Spiegel sheep breed (organism)
132795003	L-80B99	St. Croix sheep breed (organism)
132796002	L-80B9A	Steigar sheep breed (organism)
132797006	L-80B9B	Steinschaf sheep breed (organism)
132798001	L-80B9C	Welsh Mountain sheep breed (organism)
132799009	L-80B9D	Swedish Fur Sheep breed (organism)
132800008	L-80B9E	Teeswater sheep breed (organism)
132801007	L-80B9F	Texel sheep breed (organism)
132802000	L-80BA1	Pelibüey sheep breed (organism)
132803005	L-80BA2	Morada Nova sheep breed (organism)
132804004	L-80BA3	Balkhi sheep breed (organism)
132805003	L-80BA4	Bavarian Forest sheep breed (organism)
132806002	L-80BA5	Barbados Blackbelly sheep breed (organism)
132807006	L-80BA6	Romney sheep breed (organism)
132808001	L-80BA7	Awassi sheep breed (organism)
132809009	L-80BA8	Arapawa Island sheep breed (organism)
132810004	L-80BA9	Arabi sheep breed (organism)
132811000	L-80BB1	Apennine sheep breed (organism)
132812007	L-80BB2	American Tunis sheep breed (organism)
132813002	L-80BB3	Balwen Welsh Mountain sheep breed (organism)
132814008	L-80BB4	Priangan sheep breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132815009	L-80BB5	Rabo Largo sheep breed (organism)
132843000	L-80BE6	Muban pig breed (organism)
132844006	L-80BE7	Iban pig breed (organism)
132845007	L-80BE8	Altay sheep breed (organism)
132846008	L-80BE9	Faeroes sheep breed (organism)
132849001	L-80BF6	Pitt Island sheep breed (organism)
132851002	L-80BF8	Pinzirita sheep breed (organism)
132852009	L-80BF9	Sardinian sheep breed (organism)
132853004	L-80C01	East Friesian sheep breed (organism)
132854005	L-80C02	Ujumqin sheep breed (organism)
132855006	L-80C22	DLS sheep breed (organism)
132856007	L-80C23	Walachenschaf sheep breed (organism)
132857003	L-80C24	Outaouais Arcott sheep breed (organism)
132858008	L-80C25	Ossimi sheep breed (organism)
132859000	L-80C29	Bentheimer Landschaf sheep breed (organism)
132860005	L-80C30	Barbado sheep breed (organism)
132861009	L-80C31	Baluchi sheep breed (organism)
132888004	L-86B36	Blanc de Bouscat rabbit breed (organism)
132901006	L-86B49	New Zealand rabbit breed (organism)
132951001	L-8A111	American Indian Horse horse breed (organism)
132952008	L-8A112	American Mustang horse breed (organism)
132953003	L-8A113	American Quarter Horse horse breed (organism)
132954009	L-8A115	American Shetland pony horse breed (organism)
132955005	L-8A116	Anadolu horse breed (organism)
132956006	L-8A117	Andean horse breed (organism)
132957002	L-8A118	Anglo-Kabarda horse breed (organism)
132960009	L-8A125	Narym horse breed (organism)
132961008	L-8A126	National Spotted Saddle Horse horse breed (organism)
132962001	L-8A127	Nigerian horse breed (organism)
132963006	L-8A128	North Swedish Trotter horse breed (organism)
132964000	L-8A129	Oriental Horse horse breed (organism)
132965004	L-8A12A	Rhineland Heavy Draft horse breed (organism)
132966003	L-8A12B	Romanian Saddle Horse horse breed (organism)
132967007	L-8A12C	Rottal horse breed (organism)
132968002	L-8A12D	Royal Canadian Mounted Police Horse horse breed (organism)
132969005	L-8A12E	Russian Saddle Horse horse breed (organism)
132970006	L-8A12F	Sable Island Horse horse breed (organism)
132971005	L-8A130	Panje horse breed (organism)
132972003	L-8A131	Patibarcina horse breed (organism)
132973008	L-8A132	Pechora horse breed (organism)
132974002	L-8A133	Peneia horse breed (organism)
132975001	L-8A134	Periangan horse breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
132976000	L-8A135	Persian Arab horse breed (organism)
132977009	L-8A136	Petiso Argentino horse breed (organism)
132978004	L-8A137	Polish Draft horse breed (organism)
132979007	L-8A138	Priob horse breed (organism)
132980005	L-8A139	Rahvan horse breed (organism)
132981009	L-8A13A	Salerno horse breed (organism)
132982002	L-8A13B	Sandalwood horse breed (organism)
132983007	L-8A13C	Sandan horse breed (organism)
132984001	L-8A13D	Pindos horse breed (organism)
132985000	L-8A13E	Piquira Pony horse breed (organism)
132986004	L-8A13F	Pleven horse breed (organism)
132990002	L-8A14A	Garrano tarpan horse X domestic horse breed (organism)
132991003	L-8A14B	Konink tarpan horse X domestic horse breed (organism)
132992005	L-8A14C	Asturian tarpan horse X domestic horse breed (organism)
132993000	L-8A14D	Pottok tarpan horse X domestic horse breed (organism)
132994006	L-8A150	Russian Trotter horse breed (organism)
132995007	L-8A151	West African Barb horse breed (organism)
132996008	L-8A152	Fell Pony horse breed (organism)
132997004	L-8A153	National Show Horse horse breed (organism)
132998009	L-8A154	Zhemaichu horse breed (organism)
132999001	L-8A155	Yonaguni horse breed (organism)
133000000	L-8A156	Yakut horse breed (organism)
133001001	L-8A157	Tawleed horse breed (organism)
133002008	L-8A158	Western Sudan Pony horse breed (organism)
133003003	L-8A159	Welera Pony horse breed (organism)
133004009	L-8A15A	Vyatka horse breed (organism)
133005005	L-8A15B	Vladimir Heavy Draft horse breed (organism)
133006006	L-8A15C	Vlaamperd horse breed (organism)
133007002	L-8A15D	Ukrainian Saddle Horse horse breed (organism)
133008007	L-8A15E	Tori horse breed (organism)
133009004	L-8A15F	Tokara horse breed (organism)
133010009	L-8A160	New Kirgiz horse breed (organism)
133011008	L-8A161	Oldenburg horse breed (organism)
133012001	L-8A162	Misaki horse breed (organism)
133013006	L-8A163	Miyako horse breed (organism)
133014000	L-8A164	Mongolian horse breed (organism)
133015004	L-8A165	Waler horse breed (organism)
133016003	L-8A166	Dutch Draft horse breed (organism)
133017007	L-8A167	Egyptian horse breed (organism)
133018002	L-8A168	Estonian Native horse breed (organism)
133019005	L-8A169	Exmoor Pony horse breed (organism)
133020004	L-8A16A	Faeroes Island Horse horse breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133021000	L-8A16B	Falabella horse breed (organism)
133022007	L-8A16C	Dutch Warmblood horse breed (organism)
133023002	L-8A16D	Dongola horse breed (organism)
133024008	L-8A16E	Døle horse breed (organism)
133025009	L-8A16F	Djerma horse breed (organism)
133026005	L-8A170	Deliboz horse breed (organism)
133027001	L-8A171	Dartmoor Pony horse breed (organism)
133028006	L-8A172	Crioulo horse breed (organism)
133029003	L-8A173	Finnhorse horse breed (organism)
133030008	L-8A174	Sanfratello horse breed (organism)
133031007	L-8A175	Morab horse breed (organism)
133032000	L-8A176	Moyle horse breed (organism)
133033005	L-8A177	Mustang horse breed (organism)
133034004	L-8A178	M'Bayar horse breed (organism)
133035003	L-8A179	Lusitano horse breed (organism)
133036002	L-8A17A	Newfoundland Pony horse breed (organism)
133037006	L-8A17B	Noma horse breed (organism)
133038001	L-8A17C	Nooitgedacht Pony horse breed (organism)
133039009	L-8A17D	Nordland horse breed (organism)
133040006	L-8A17E	Noric horse breed (organism)
133041005	L-8A17F	North Swedish Horse horse breed (organism)
133042003	L-8A180	Northeastern horse breed (organism)
133043008	L-8A181	Kisber Felver horse breed (organism)
133044002	L-8A182	Anglo-Arab horse breed (organism)
133045001	L-8A183	Nonius horse breed (organism)
133046000	L-8A184	Nooitgedacht horse breed (organism)
133047009	L-8A185	Iomud horse breed (organism)
133048004	L-8A186	Jutland horse breed (organism)
133049007	L-8A187	Karabair horse breed (organism)
133050007	L-8A188	Karabakh horse breed (organism)
133051006	L-8A189	Kazakh horse breed (organism)
133052004	L-8A18A	Mangalarga horse breed (organism)
133053009	L-8A18B	Kirdi Pony horse breed (organism)
133054003	L-8A18C	Kiso horse breed (organism)
133055002	L-8A18D	Kladruby horse breed (organism)
133056001	L-8A18E	Knabstrup horse breed (organism)
133057005	L-8A18F	Kushum horse breed (organism)
133058000	L-8A190	Kustanai horse breed (organism)
133059008	L-8A191	Latvian horse breed (organism)
133060003	L-8A192	Lithuanian Heavy Draft horse breed (organism)
133061004	L-8A193	Lokai horse breed (organism)
133062006	L-8A194	Kiger Mustang horse breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133063001	L-8A195	Pony of the Americas horse breed (organism)
133064007	L-8A196	Pintabian horse breed (organism)
133065008	L-8A197	Pantaneiro horse breed (organism)
133066009	L-8A198	Orlov Trotter horse breed (organism)
133067000	L-8A199	Northern Ardennais horse breed (organism)
133068005	L-8A19A	Abtenauer horse breed (organism)
133069002	L-8A19B	Adaev horse breed (organism)
133070001	L-8A19C	Albanian horse breed (organism)
133071002	L-8A19E	Alter Real horse breed (organism)
133072009	L-8A19F	American Bashkir Curly horse breed (organism)
133073004	L-8A1A1	Poitou Mule Producer horse breed (organism)
133074005	L-8A1A2	Polesian horse breed (organism)
133075006	L-8A1A3	Sardinian Anglo-Arab horse breed (organism)
133076007	L-8A1A4	Sardinian Pony horse breed (organism)
133077003	L-8A1A5	Sarvar horse breed (organism)
133078008	L-8A1A6	Schleswig horse breed (organism)
133079000	L-8A1A7	Schwarzwalder Fuchse horse breed (organism)
133080002	L-8A1A8	Senne horse breed (organism)
133081003	L-8A1A9	Shan horse breed (organism)
133082005	L-8A1AA	Silesian horse breed (organism)
133083000	L-8A1AB	Sini horse breed (organism)
133084006	L-8A1AC	Skyros horse breed (organism)
133085007	L-8A1AD	Slovak Warmblood horse breed (organism)
133086008	L-8A1AE	Sokolka horse breed (organism)
133087004	L-8A1AF	South African Miniature horse breed (organism)
133088009	L-8A1B1	South German Coldblood horse breed (organism)
133089001	L-8A1B2	Southwest Spanish Mustang horse breed (organism)
133090005	L-8A1B4	Spanish-American Horse horse breed (organism)
133091009	L-8A1B5	Spanish Anglo-Arab horse breed (organism)
133092002	L-8A1B6	Spanish Colonial Horse horse breed (organism)
133093007	L-8A1B7	Spiti horse breed (organism)
133094001	L-8A1B8	Sulawesi horse breed (organism)
133095000	L-8A1B9	Criollo horse breed (organism)
133096004	L-8A1BA	Hequ horse breed (organism)
133097008	L-8A1BB	Connemara Pony horse breed (organism)
133098003	L-8A1BC	Colorado Ranger horse breed (organism)
133099006	L-8A1BD	Dales Pony horse breed (organism)
133100003	L-8A1BE	Gotland horse breed (organism)
133101004	L-8A1BF	Chincoteague Pony horse breed (organism)
133102006	L-8A1C1	Hokkaido horse breed (organism)
133103001	L-8A1C2	Highland Pony horse breed (organism)
133104007	L-8A1C3	Groningen horse breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133105008	L-8A1C4	Cuban Pinto horse breed (organism)
133106009	L-8A1C5	Fleuve horse breed (organism)
133107000	L-8A1C6	Golden American Saddlebred horse breed (organism)
133108005	L-8A1C7	Gidran horse breed (organism)
133109002	L-8A1C8	Gelderland horse breed (organism)
133110007	L-8A1C9	Galician Pony horse breed (organism)
133111006	L-8A1CA	Friesian horse breed (organism)
133112004	L-8A1CB	Frederiksborg horse breed (organism)
133113009	L-8A1CC	Fouta horse breed (organism)
133114003	L-8A1CD	Florida Cracker horse breed (organism)
133115002	L-8A1CE	Guangxi horse breed (organism)
133116001	L-8A1CF	Ardennes horse breed (organism)
133117005	L-8A1D1	American Walking Pony horse breed (organism)
133118000	L-8A1D2	Azteca horse breed (organism)
133119008	L-8A1D3	American Cream Draft horse breed (organism)
133120002	L-8A1D4	Altai horse breed (organism)
133121003	L-8A1D5	Akhal-Teke horse breed (organism)
133122005	L-8A1D6	Abyssinian horse breed (organism)
133123000	L-8A1D7	Bhirum Pony horse breed (organism)
133124006	L-8A1D8	Cheju horse breed (organism)
133125007	L-8A1D9	Cayuse horse breed (organism)
133126008	L-8A1DA	Caspian horse breed (organism)
133127004	L-8A1DB	Carthusian horse breed (organism)
133128009	L-8A1DC	Campolina horse breed (organism)
133129001	L-8A1DD	Byelorussian Harness horse breed (organism)
133130006	L-8A1DE	Budyonny horse breed (organism)
133131005	L-8A1DF	Australian Brumby horse breed (organism)
133132003	L-8A1E1	Australian Stock Horse horse breed (organism)
133133008	L-8A1E2	Basuto Pony horse breed (organism)
133134002	L-8A1E3	Bashkir Curly horse breed (organism)
133135001	L-8A1E4	Bashkir horse breed (organism)
133136000	L-8A1E5	Barb horse breed (organism)
133137009	L-8A1E6	Ban-ei horse breed (organism)
133138004	L-8A1E7	Carpathian Pony horse breed (organism)
133139007	L-8A1E8	Baluchi horse breed (organism)
133140009	L-8A1E9	Balearic horse breed (organism)
133141008	L-8A1EA	Chilean Corralero horse breed (organism)
133142001	L-8A1EB	Breton horse breed (organism)
133143006	L-8A1EC	Taishuh horse breed (organism)
133144000	L-8A1ED	Swedish Warmblood horse breed (organism)
133145004	L-8A1EE	Sudan Country-Bred horse breed (organism)
133146003	L-8A1EF	Spanish-Norman horse breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133147007	L-8A1F1	Spanish Barb horse breed (organism)
133148002	L-8A1F2	Soviet Heavy Draft horse breed (organism)
133149005	L-8A1F3	Sorraia horse breed (organism)
133150005	L-8A1F4	Somali Pony horse breed (organism)
133151009	L-8A1F5	Tersk horse breed (organism)
133152002	L-8A1F6	Shagya horse breed (organism)
133153007	L-8A1F7	Selle Francais horse breed (organism)
133154001	L-8A1F8	Sanhe horse breed (organism)
133155000	L-8A1FA	Russian Heavy Draft horse breed (organism)
133156004	L-8A1FB	Rocky Mountain Horse horse breed (organism)
133157008	L-8A1FC	Racking Horse horse breed (organism)
133158003	L-8A1FD	Quarter Pony horse breed (organism)
133159006	L-8A1FE	Quarab horse breed (organism)
133160001	L-8A1FF	Single-Footing Horse horse breed (organism)
133161002	L-8B105	Tuy Hoa Hairless pig breed (organism)
133162009	L-8B106	Hainan pig breed (organism)
133163004	L-8B107	Sino-Vietnamese pig breed (organism)
133164005	L-8B108	Bo Xu pig breed (organism)
133165006	L-8B109	Thuoc Nhieu pig breed (organism)
133166007	L-8B111	Burmese pig breed (organism)
133167003	L-8B112	Chin pig breed (organism)
133168008	L-8B113	Siamese pig breed (organism)
133169000	L-8B114	Hailum pig breed (organism)
133170004	L-8B115	Kwai pig breed (organism)
133171000	L-8B116	Raad pig breed (organism)
133172007	L-8B117	Akha pig breed (organism)
133173002	L-8B118	South China pig breed (organism)
133174008	L-8B119	South China Black pig breed (organism)
133175009	L-8B121	Balinese pig breed (organism)
133176005	L-8B122	Diani pig breed (organism)
133177001	L-8B123	Kaman pig breed (organism)
133178006	L-8B124	Ashanti Dwarf pig breed (organism)
133179003	L-8B125	Koronadal pig breed (organism)
133180000	L-8B126	Ohmini pig breed (organism)
133181001	L-8B127	Clawn pig breed (organism)
133182008	L-8B128	Sus scrofa domestic pig X Japanese wild boar intragenus hybrid (organism)
133183003	L-8B129	Kangaroo Island pig breed (organism)
133184009	L-8B130	Captain Cooker pig breed (organism)
133185005	L-8B131	West African pig breed (organism)
133186006	L-8B132	Nigerian pig breed (organism)
133187002	L-8B133	Bakosi pig breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133188007	L-8B134	Windsnyer pig breed (organism)
133189004	L-8B135	Kolbroek pig breed (organism)
133190008	L-8B136	South African Landrace pig breed (organism)
133191007	L-8B137	Bulgarian White pig breed (organism)
133192000	L-8B139	Bulgarian Landrace pig breed (organism)
133193005	L-8B140	Danube White pig breed (organism)
133194004	L-8B141	Dermantsi Pied pig breed (organism)
133195003	L-8B142	Romanian Native, Stocli pig breed (organism)
133196002	L-8B143	Romanian Native, Baltaret pig breed (organism)
133197006	L-8B144	Banat White pig breed (organism)
133198001	L-8B145	Bazna pig breed (organism)
133199009	L-8B146	Dobrogea Black pig breed (organism)
133200007	L-8B147	Strei pig breed (organism)
133201006	L-8B148	Romanian Large White pig breed (organism)
133202004	L-8B149	Romanian Meat Pig pig breed (organism)
133203009	L-8B150	Gurktal pig breed (organism)
133204003	L-8B151	Black Slavonian pig breed (organism)
133205002	L-8B152	Resava pig breed (organism)
133206001	L-8B153	Morava pig breed (organism)
133207005	L-8B155	Dzumalia pig breed (organism)
133208000	L-8B156	Macedonian pig breed (organism)
133209008	L-8B157	Albanian Native pig breed (organism)
133210003	L-8B158	Shkodra pig breed (organism)
133211004	L-8B159	Slovenian White pig breed (organism)
133212006	L-8B160	Subotica White pig breed (organism)
133213001	L-8B161	Prestice pig breed (organism)
133214007	L-8B162	Slovakian Black Pied pig breed (organism)
133215008	L-8B163	Czech Improved White pig breed (organism)
133216009	L-8B164	Moravian Large Yorkshire pig breed (organism)
133217000	L-8B165	Slovakian White pig breed (organism)
133218005	L-8B166	Slovhyb-1 pig breed (organism)
133219002	L-8B167	Nitra Hybrid pig breed (organism)
133220008	L-8B168	Synthetic SL98 pig breed (organism)
133221007	L-8B169	SL96 pig breed (organism)
133222000	L-8B170	Czech Meat pig breed (organism)
133223005	L-8B171	Czech Miniature pig breed (organism)
133224004	L-8B172	Small Polish Prick-Eared pig breed (organism)
133225003	L-8B173	Polesian pig breed (organism)
133226002	L-8B174	Nadbuzanska pig breed (organism)
133227006	L-8B175	Sarny pig breed (organism)
133228001	L-8B176	Krolevets pig breed (organism)
133229009	L-8B177	Polish Marsh pig breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133230004	L-8B178	Large Polish Long-Eared pig breed (organism)
133231000	L-8B958	Herens cattle breed (organism)
133232007	L-8B959	Hinterwald cattle breed (organism)
133233002	L-8B95A	Hungarian Gray cattle breed (organism)
133234008	L-8B95B	Icelandic cattle breed (organism)
133235009	L-8B95C	Illawarra cattle breed (organism)
133236005	L-8B95D	Irish Moiled cattle breed (organism)
133237001	L-8B95E	Israeli Holstein cattle breed (organism)
133238006	L-8B95F	Istoben cattle breed (organism)
133239003	L-8B961	Jaulan cattle breed (organism)
133240001	L-8B962	Kazakh cattle breed (organism)
133241002	L-8B963	Kerry cattle breed (organism)
133242009	L-8B964	Kholmogory cattle breed (organism)
133243004	L-8B966	Latvian Brown cattle breed (organism)
133244005	L-8B967	Lincoln Red Shorthorn cattle breed (organism)
133245006	L-8B968	Lithuanian Red cattle breed (organism)
133246007	L-8B969	Mashona cattle breed (organism)
133247003	L-8B96A	Milking Devon cattle breed (organism)
133248008	L-8B96B	Mirandesa cattle breed (organism)
133249000	L-8B96C	Mixed dairy cattle breed (organism)
133250000	L-8B96D	Mongolian cattle breed (organism)
133251001	L-8B96E	Morucha cattle breed (organism)
133252008	L-8B96F	Kurdi cattle breed (organism)
133253003	L-8B971	N'dama cattle breed (organism)
133254009	L-8B972	Norwegian Red cattle breed (organism)
133255005	L-8B973	Parthenais cattle breed (organism)
133256006	L-8B974	Polish Red cattle breed (organism)
133257002	L-8B975	Rätien Gray cattle breed (organism)
133258007	L-8B976	Red and White cattle breed (organism)
133259004	L-8B977	Red Angus cattle breed (organism)
133260009	L-8B978	Red Polled Østland cattle breed (organism)
133261008	L-8B979	Red Steppe cattle breed (organism)
133262001	L-8B97A	Reggiana cattle breed (organism)
133263006	L-8B97B	Retinta cattle breed (organism)
133264000	L-8B97C	Romosinuano cattle breed (organism)
133265004	L-8B97D	Russian Black Pied cattle breed (organism)
133266003	L-8B97E	RX3 cattle breed (organism)
133267007	L-8B97F	Salorn cattle breed (organism)
133268002	L-8B983	Murboden cattle breed (organism)
133269005	L-8B984	San Martinero cattle breed (organism)
133270006	L-8B985	Sarabi cattle breed (organism)
133271005	L-8B987	Sharabi cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133272003	L-8B988	Shetland cattle breed (organism)
133273008	L-8B989	Simbrah cattle breed (organism)
133274002	L-8B98A	South Devon cattle breed (organism)
133275001	L-8B98B	Suffolk cattle breed (organism)
133276000	L-8B98C	Sussex cattle breed (organism)
133277009	L-8B98D	Swedish Red Polled cattle breed (organism)
133278004	L-8B98E	Telemark cattle breed (organism)
133279007	L-8B98F	Texas Longhorn cattle breed (organism)
133280005	L-8B990	Texon cattle breed (organism)
133281009	L-8B991	Vestland Fjord cattle breed (organism)
133282002	L-8B992	Vestland Red Polled cattle breed (organism)
133283007	L-8B993	Wagyu cattle breed (organism)
133284001	L-8B994	White Cáceres cattle breed (organism)
133285000	L-8B995	Xinjiang Brown cattle breed (organism)
133286004	L-8B996	Yanbian cattle breed (organism)
133287008	L-8B998	Zaobei cattle breed (organism)
133288003	L-8B999	Zavot cattle breed (organism)
133289006	L-8B99A	Znamensk cattle breed (organism)
133290002	L-8B99B	Alistana-Sanabresa cattle breed (organism)
133291003	L-8B99C	Andalusian Blond cattle breed (organism)
133292005	L-8B99D	Aosta Black Pied cattle breed (organism)
133293000	L-8B99E	Aosta Chestnut cattle breed (organism)
133294006	L-8B99F	Aosta Red Pied cattle breed (organism)
133295007	L-8B9A0	Aracena cattle breed (organism)
133296008	L-8B9A1	Argentine Friesian cattle breed (organism)
133297004	L-8B9A2	Armorican cattle breed (organism)
133298009	L-8B9A3	Arouquesa cattle breed (organism)
133299001	L-8B9A4	Aure et Saint-Girons cattle breed (organism)
133300009	L-8B9A5	Australian White cattle breed (organism)
133301008	L-8B9A6	Austrian Simmental cattle breed (organism)
133302001	L-8B9A7	Austrian Yellow cattle breed (organism)
133303006	L-8B9A8	Avetonou cattle breed (organism)
133304000	L-8B9A9	Avilena cattle breed (organism)
133305004	L-8B9AA	Avilena-Black Iberian cattle breed (organism)
133306003	L-8B9AB	Bakosi cattle breed (organism)
133307007	L-8B9AC	Bakwiri cattle breed (organism)
133308002	L-8B9AD	Baltic Black Pied cattle breed (organism)
133309005	L-8B9AE	Baoule cattle breed (organism)
133310000	L-8B9AF	Barrosa cattle breed (organism)
133311001	L-8B9B0	Barroso cattle breed (organism)
133312008	L-8B9B1	Bearnais cattle breed (organism)
133313003	L-8B9B2	Beef shorthorn cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133314009	L-8B9B3	Beef synthetic cattle breed (organism)
133315005	L-8B9B4	Beijing Black Pied cattle breed (organism)
133316006	L-8B9B5	Beiroa cattle breed (organism)
133317002	L-8B9B6	Belgian Black Pied Holsteincattle breed (organism)
133318007	L-8B9B7	Belgian Red Pied cattle breed (organism)
133319004	L-8B9B8	Belgian White and Red cattle breed (organism)
133320005	L-8B9B9	Belted Welsh cattle breed (organism)
133321009	L-8B9BA	Bestuzhev cattle breed (organism)
133322002	L-8B9BB	Betizuak cattle breed (organism)
133323007	L-8B9BC	Black Baldy cattle breed (organism)
133324001	L-8B9BD	Black Forest cattle breed (organism)
133325000	L-8B9BE	Black Iberian cattle breed (organism)
133326004	L-8B9BF	Northern Blue cattle breed (organism)
133327008	L-8B9C0	Bragado do Sorraia cattle breed (organism)
133328003	L-8B9C1	Braganca cattle breed (organism)
133329006	L-8B9C2	Brandrood Ijsselvee cattle breed (organism)
133330001	L-8B9C3	Brazilian Polled cattle breed (organism)
133331002	L-8B9C4	Breton Black Pied cattle breed (organism)
133332009	L-8B9C5	Brown Atlas cattle breed (organism)
133333004	L-8B9C6	Bulgarian Brown cattle breed (organism)
133334005	L-8B9C7	Bulgarian Red cattle breed (organism)
133335006	L-8B9C8	Burlina cattle breed (organism)
133336007	L-8B9C9	Burwash cattle breed (organism)
133337003	L-8B9CA	Byelorussian Red cattle breed (organism)
133338008	L-8B9CB	Byelorussian Synthetic cattle breed (organism)
133339000	L-8B9CC	Cabannina cattle breed (organism)
133340003	L-8B9CD	Caldeano cattle breed (organism)
133341004	L-8B9CE	Caldelana cattle breed (organism)
133342006	L-8B9CF	Calvana cattle breed (organism)
133343001	L-8B9D0	Camargue cattle breed (organism)
133344007	L-8B9D1	Cambodian cattle breed (organism)
133345008	L-8B9D2	Caracu cattle breed (organism)
133346009	L-8B9D3	Carpathian Brown cattle breed (organism)
133347000	L-8B9D4	Casanareno cattle breed (organism)
133348005	L-8B9D5	Central Russian Black Pied cattle breed (organism)
133349002	L-8B9D6	Chaouia cattle breed (organism)
133350002	L-8B9D7	Charollandais cattle breed (organism)
133351003	L-8B9D8	Char-swiss cattle breed (organism)
133352005	L-8B9D9	Korean Black cattle breed (organism)
133353000	L-8B9DA	Chesi cattle breed (organism)
133354006	L-8B9DB	Cheurfa cattle breed (organism)
133355007	L-8B9DC	Chiford cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133356008	L-8B9DD	Chimaine cattle breed (organism)
133357004	L-8B9DE	Chinampo cattle breed (organism)
133358009	L-8B9DF	Cildir cattle breed (organism)
133359001	L-8B9E0	COOPELSO 93 cattle breed (organism)
133360006	L-8B9E1	Thrace cattle breed (organism)
133361005	L-8B9E2	Corsican cattle breed (organism)
133362003	L-8B9E3	Cretan Lowland cattle breed (organism)
133363008	L-8B9E4	Cretan Mountain cattle breed (organism)
133364002	L-8B9E5	Croatian Red cattle breed (organism)
133365001	L-8B9E6	Cukurova cattle breed (organism)
133366000	L-8B9E7	Curraleiro cattle breed (organism)
133367009	L-8B9E8	Cyprus cattle breed (organism)
133368004	L-8B9E9	Czech Pied cattle breed (organism)
133369007	L-8B9EA	Dagestan Mountain cattle breed (organism)
133370008	L-8B9EB	Dairy Shorthorn cattle breed (organism)
133371007	L-8B9EC	Dairy Synthetic cattle breed (organism)
133372000	L-8B9ED	Danish Red Pied cattle breed (organism)
133373005	L-8B9EE	Dengchuan cattle breed (organism)
133374004	L-8B9EF	Dexter-Kerry cattle breed (organism)
133375003	L-8B9F0	Doran cattle breed (organism)
133376002	L-8B9F1	Dorna cattle breed (organism)
133377006	L-8B9F2	Dortyol cattle breed (organism)
133378001	L-8B9F3	East Anatolian Red cattle breed (organism)
133379009	L-8B9F4	East Finnish cattle breed (organism)
133380007	L-8B9F5	East Macedonian cattle breed (organism)
133381006	L-8B9F6	Epirus cattle breed (organism)
133382004	L-8B9F7	Estonian Black Pied cattle breed (organism)
133383009	L-8B9FA	Ferrandais cattle breed (organism)
133384003	L-8B9FB	Finnish Ayrshire cattle breed (organism)
133385002	L-8B9FC	Flemish cattle breed (organism)
133386001	L-8B9FD	Red Flemish cattle breed (organism)
133387005	L-8B9FE	Fort Cross cattle breed (organism)
133388000	L-8B9FF	Frati cattle breed (organism)
133389008	L-8BA00	Estonian Native cattle breed (organism)
133390004	L-8BA01	Faeroes cattle breed (organism)
133391000	L-8BA02	French Brown cattle breed (organism)
133392007	L-8BA03	Frijolillo cattle breed (organism)
133393002	L-8BA04	FRS cattle breed (organism)
133394008	L-8BA05	Gacko cattle breed (organism)
133395009	L-8BA06	Gado da Terra cattle breed (organism)
133396005	L-8BA07	Georgian Mountain cattle breed (organism)
133397001	L-8BA08	German Black Pied cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133398006	L-8BA09	German Black Pied Dairy cattle breed (organism)
133399003	L-8BA0A	Pechora cattle breed (organism)
133400005	L-8BA0B	Pee Wee cattle breed (organism)
133401009	L-8BA0C	Peloponnesus cattle breed (organism)
133402002	L-8BA0D	Pester cattle breed (organism)
133403007	L-8BA0E	Pie Rouge de l'Est cattle breed (organism)
133404001	L-8BA0F	Pisana cattle breed (organism)
133405000	L-8BA10	German Brown cattle breed (organism)
133406004	L-8BA11	German Shorthorn cattle breed (organism)
133407008	L-8BA12	Ghana Shorthorn cattle breed (organism)
133408003	L-8BA13	Glan-Donnersberg cattle breed (organism)
133409006	L-8BA14	Gole cattle breed (organism)
133410001	L-8BA15	Golpayegani cattle breed (organism)
133411002	L-8BA16	Gorbatov Red cattle breed (organism)
133412009	L-8BA17	Goryn cattle breed (organism)
133413004	L-8BA19	Greater Caucasus cattle breed (organism)
133414005	L-8BA1A	Polish Black and White Lowland cattle breed (organism)
133415006	L-8BA1B	Polish Simmental cattle breed (organism)
133416007	L-8BA1C	Polled Jersey cattle breed (organism)
133417003	L-8BA1D	Polled Lincoln Red cattle breed (organism)
133418008	L-8BA1E	Polled Shorthorn (United States of America) cattle breed (organism)
133419000	L-8BA1F	Polled Simmental cattle breed (organism)
133420006	L-8BA20	Greek Shorthorn cattle breed (organism)
133421005	L-8BA21	Greek Steppe cattle breed (organism)
133422003	L-8BA22	Gray Alpine cattle breed (organism)
133423008	L-8BA23	Guadiana Spotted cattle breed (organism)
133424002	L-8BA24	Guelma cattle breed (organism)
133425001	L-8BA25	Harz Red cattle breed (organism)
133426000	L-8BA26	Hawaiian wild cattle breed (organism)
133427009	L-8BA27	Hereland cattle breed (organism)
133428004	L-8BA28	Holgus cattle breed (organism)
133429007	L-8BA29	Hrbinecky cattle breed (organism)
133430002	L-8BA2A	Polled Sussex cattle breed (organism)
133431003	L-8BA2B	Polled Welsh Black cattle breed (organism)
133432005	L-8BA2C	Pontremolese cattle breed (organism)
133433000	L-8BA2D	Preta cattle breed (organism)
133434006	L-8BA2E	Puerto Rican Criollo cattle breed (organism)
133435007	L-8BA2F	Pyrenean cattle breed (organism)
133436008	L-8BA30	Huertana cattle breed (organism)
133437004	L-8BA31	Hungarian Pied cattle breed (organism)
133438009	L-8BA32	Hungarofries cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133439001	L-8BA33	Improved Rodopi cattle breed (organism)
133440004	L-8BA34	INRA 95 cattle breed (organism)
133441000	L-8BA35	Italian Brown cattle breed (organism)
133442007	L-8BA36	Italian Red Pied cattle breed (organism)
133443002	L-8BA37	Japanese Black cattle breed (organism)
133444008	L-8BA38	Japanese Brown cattle breed (organism)
133445009	L-8BA39	Japanese Poll cattle breed (organism)
133446005	L-8BA3A	Qinchuan cattle breed (organism)
133447001	L-8BA3B	Ramo Grande cattle breed (organism)
133448006	L-8BA3C	Randall Lineback cattle breed (organism)
133449003	L-8BA3D	Red Galloway cattle breed (organism)
133450003	L-8BA3E	Regus cattle breed (organism)
133451004	L-8BA3F	Rendena cattle breed (organism)
133452006	L-8BA40	Japanese Shorthorn cattle breed (organism)
133453001	L-8BA41	Jarmelista cattle breed (organism)
133454007	L-8BA42	Kabyle cattle breed (organism)
133455008	L-8BA43	Kapsiki cattle breed (organism)
133456009	L-8BA44	Katerini cattle breed (organism)
133457000	L-8BA45	Kenran cattle breed (organism)
133458005	L-8BA46	Khevsurian cattle breed (organism)
133459002	L-8BA47	Kilis cattle breed (organism)
133460007	L-8BA48	Kochi cattle breed (organism)
133461006	L-8BA49	Korean Native cattle breed (organism)
133462004	L-8BA4A	Rhaetian Gray cattle breed (organism)
133463009	L-8BA4B	Rio Limon Dairy Criollo cattle breed (organism)
133464003	L-8BA4C	Rodopi cattle breed (organism)
133465002	L-8BA4D	Romanian Red cattle breed (organism)
133466001	L-8BA4E	Romanian Brown cattle breed (organism)
133467005	L-8BA4F	Russian Brown cattle breed (organism)
133468000	L-8BA50	Kostroma cattle breed (organism)
133469008	L-8BA51	Kravarsky cattle breed (organism)
133470009	L-8BA52	Kuchinoshima cattle breed (organism)
133471008	L-8BA53	Murray Gray cattle breed (organism)
133472001	L-8BA54	Australian Shorthorn cattle breed (organism)
133473006	L-8BA55	Kumamoto cattle breed (organism)
133474000	L-8BA56	Lagune cattle breed (organism)
133475004	L-8BA57	Lakenvelder cattle breed (organism)
133476003	L-8BA58	Latvian Blue Roan cattle breed (organism)
133477007	L-8BA59	La Velasquez cattle breed (organism)
133478002	L-8BA5A	Sardinian cattle breed (organism)
133479005	L-8BA5B	Sardinian brown cattle breed (organism)
133480008	L-8BA5C	Savinja Gray cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133481007	L-8BA5D	Sayaguesa cattle breed (organism)
133482000	L-8BA5E	Seferihisar cattle breed (organism)
133483005	L-8BA5F	Shkodra Red cattle breed (organism)
133484004	L-8BA60	Lebanese cattle breed (organism)
133485003	L-8BA61	Lebedin cattle breed (organism)
133486002	L-8BA62	Lesser Caucasus cattle breed (organism)
133487006	L-8BA63	Liberian Dwarf cattle breed (organism)
133488001	L-8BA64	Libyan cattle breed (organism)
133489009	L-8BA65	Lim cattle breed (organism)
133490000	L-8BA66	Limiana cattle breed (organism)
133491001	L-8BA67	Limpurger cattle breed (organism)
133492008	L-8BA68	Lobi cattle breed (organism)
133493003	L-8BA69	Lourdais cattle breed (organism)
133494009	L-8BA6A	Slovakian Pied cattle breed (organism)
133495005	L-8BA6B	Slovakian Pinzgau cattle breed (organism)
133496006	L-8BA6C	Slovenian Brown cattle breed (organism)
133497002	L-8BA6D	Somba cattle breed (organism)
133498007	L-8BA6E	South African Brown Swiss cattle breed (organism)
133499004	L-8BA6F	South Anatolian Red cattle breed (organism)
133500008	L-8BA70	Lucerna cattle breed (organism)
133501007	L-8BA71	Luxi cattle breed (organism)
133502000	L-8BA72	Macedonian Busa cattle breed (organism)
133503005	L-8BA73	Makaweli cattle breed (organism)
133504004	L-8BA74	Marinhoa cattle breed (organism)
133505003	L-8BA75	Maronesa cattle breed (organism)
133506002	L-8BA76	Mazury cattle breed (organism)
133507006	L-8BA77	Messaoria cattle breed (organism)
133508001	L-8BA78	Metohija Red cattle breed (organism)
133509009	L-8BA79	Mingrelian Red cattle breed (organism)
133510004	L-8BA7A	Southern Ukrainian cattle breed (organism)
133511000	L-8BA7B	Spanish Brown Alpine cattle breed (organism)
133512007	L-8BA7C	Suksun cattle breed (organism)
133513002	L-8BA7D	Swiss Black Pied cattle breed (organism)
133514008	L-8BA7E	Sychevka cattle breed (organism)
133515009	L-8BA7F	Sykia cattle breed (organism)
133516005	L-8BA80	Minhota cattle breed (organism)
133517001	L-8BA81	Minorcan cattle breed (organism)
133518006	L-8BA82	Mishima cattle breed (organism)
133519003	L-8BA83	Modenese cattle breed (organism)
133520009	L-8BA84	Monchina cattle breed (organism)
133521008	L-8BA85	Montafon cattle breed (organism)
133522001	L-8BA86	Montbeliard cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133523006	L-8BA87	Morenas del Noroeste cattle breed (organism)
133524000	L-8BA88	Murcian cattle breed (organism)
133525004	L-8BA89	Murnau-Werdenfels cattle breed (organism)
133526003	L-8BA8A	Tagil cattle breed (organism)
133527007	L-8BA8B	Tajma cattle breed (organism)
133528002	L-8BA8C	Tambov Red cattle breed (organism)
133529005	L-8BA8D	Tarina cattle breed (organism)
133530000	L-8BA8E	Thessaly cattle breed (organism)
133531001	L-8BA8F	Tinima cattle breed (organism)
133532008	L-8BA90	Nantais cattle breed (organism)
133533003	L-8BA91	Nejdi cattle breed (organism)
133534009	L-8BA92	N'Gabou cattle breed (organism)
133535005	L-8BA93	North Finncattle cattle breed (organism)
133536006	L-8BA94	Oropa cattle breed (organism)
133537002	L-8BA95	Oulmes Blond cattle breed (organism)
133538007	L-8BA96	Pajuna cattle breed (organism)
133539004	L-8BA97	Palmera cattle breed (organism)
133540002	L-8BA98	Pankota Red cattle breed (organism)
133541003	L-8BA99	Paphos cattle breed (organism)
133542005	L-8BA9A	Tinos cattle breed (organism)
133543000	L-8BA9B	Transylvanian Pinzgau cattle breed (organism)
133544006	L-8BA9C	Tropical Dairy Cattle cattle breed (organism)
133545007	L-8BA9D	Tropicana cattle breed (organism)
133546008	L-8BA9E	Tudanca cattle breed (organism)
133547004	L-8BA9F	Turino cattle breed (organism)
133548009	L-8BAA0	Turkish Brown cattle breed (organism)
133549001	L-8BAA1	Tux-Zillertal cattle breed (organism)
133550001	L-8BAA2	Tyrol Gray cattle breed (organism)
133551002	L-8BAA3	Abondance cattle breed (organism)
133552009	L-8BAA4	Ala-Tau cattle breed (organism)
133553004	L-8BAA5	Albanian Illyrian cattle breed (organism)
133554005	L-8BAA6	Albanian Dwarf cattle breed (organism)
133555006	L-8BAA7	Ukrainian Whiteheaded cattle breed (organism)
133556007	L-8BAA8	Ural Black Pied cattle breed (organism)
133557003	L-8BAA9	Valdres cattle breed (organism)
133558008	L-8BAAA	Vaynol cattle breed (organism)
133559000	L-8BAAB	Verinesa cattle breed (organism)
133560005	L-8BAAC	Vianesa cattle breed (organism)
133561009	L-8BAAD	Villard-de-Lans cattle breed (organism)
133562002	L-8BAAE	Vogelsberg cattle breed (organism)
133563007	L-8BAAF	Pie Rouge des Plaines cattle breed (organism)
133564001	L-8BAB0	Vorderwald cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133565000	L-8BAB1	West African Dwarf Shorthorn cattle breed (organism)
133566004	L-8BAB2	West Finnish cattle breed (organism)
133567008	L-8BAB3	West Macedonian cattle breed (organism)
133568003	L-8BAB4	Whitebred Shorthorn cattle breed (organism)
133569006	L-8BAB5	White Galloway cattle breed (organism)
133570007	L-8BAB6	White Welsh cattle breed (organism)
133571006	L-8BAB7	Witrik cattle breed (organism)
133572004	L-8BAB8	Yacumento cattle breed (organism)
133573009	L-8BAB9	Yaroslavl cattle breed (organism)
133574003	L-8BABA	Yurino cattle breed (organism)
133575002	L-8BABB	Aleppo cattle breed (organism)
133576001	L-8BABC	Schwyz cattle breed (organism)
133577005	L-8BABD	Busa cattle breed (organism)
133578000	L-8BABE	Chiangus cattle breed (organism)
133579008	L-8BABF	Hallingdal cattle breed (organism)
133580006	L-8BAC0	Danish Jersey cattle breed (organism)
133581005	L-8BAC1	Enderby Island cattle breed (organism)
133582003	L-8BAC2	German Angus cattle breed (organism)
133583008	L-8BAC3	Israeli Red cattle breed (organism)
133584002	L-8BAC4	Lineback cattle breed (organism)
133585001	L-8BAC5	Mertolenga cattle breed (organism)
133586000	L-8BAC6	Red Friesian cattle breed (organism)
133587009	L-8BAC7	Senegus cattle breed (organism)
133588004	L-8BAC8	Southern Crioulo cattle breed (organism)
133589007	L-8BAC9	Vosges cattle breed (organism)
133590003	L-8BACA	Montanara cattle breed (organism)
133591004	L-8BACB	Almanzorena cattle breed (organism)
133592006	L-8BACC	Lorquina cattle breed (organism)
133593001	L-8BACD	Calasparrena cattle breed (organism)
133594007	L-8BACE	Amritmahal cattle breed (organism)
133595008	L-8BACF	Bachaur cattle breed (organism)
133596009	L-8BAD0	Barka cattle breed (organism)
133597000	L-8BAD1	Bengali cattle breed (organism)
133598005	L-8BAD2	Bhagnari cattle breed (organism)
133599002	L-8BAD3	Boran cattle breed (organism)
133600004	L-8BAD4	Channi cattle breed (organism)
133601000	L-8BAD5	Cholistani cattle breed (organism)
133602007	L-8BAD6	Dajal cattle breed (organism)
133603002	L-8BAD7	Dangi cattle breed (organism)
133604008	L-8BAD8	Deoni cattle breed (organism)
133605009	L-8BAD9	Dhanni cattle breed (organism)
133606005	L-8BADA	Gaolao cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133607001	L-8BADB	Hallikar cattle breed (organism)
133608006	L-8BADC	Hariana cattle breed (organism)
133609003	L-8BADD	Indo-Brazilian cattle breed (organism)
133610008	L-8BADE	Kangayam cattle breed (organism)
133611007	L-8BADF	Kankrej cattle breed (organism)
133612000	L-8BAE0	Kenkatha cattle breed (organism)
133613005	L-8BAE1	Kherigarh cattle breed (organism)
133614004	L-8BAE2	Khillari cattle breed (organism)
133615003	L-8BAE3	Krishna Valley cattle breed (organism)
133616002	L-8BAE4	Lohani cattle breed (organism)
133617006	L-8BAE5	Malvi cattle breed (organism)
133618001	L-8BAE6	Mewati cattle breed (organism)
133619009	L-8BAE7	Nagori cattle breed (organism)
133620003	L-8BAE9	Nelore cattle breed (organism)
133621004	L-8BAEA	Nimari cattle breed (organism)
133622006	L-8BAEB	Ponwar cattle breed (organism)
133623001	L-8BAEC	Rath cattle breed (organism)
133624007	L-8BAED	Rathi cattle breed (organism)
133625008	L-8BAEE	Red Sindhi cattle breed (organism)
133626009	L-8BAEF	Rojhan cattle breed (organism)
133627000	L-8BAF0	Sahiwal cattle breed (organism)
133628005	L-8BAF1	Siri zebu cattle breed (organism)
133629002	L-8BAF2	Tharparkar cattle breed (organism)
133630007	L-8BAF3	Zanzibar Zebu cattle breed (organism)
133631006	L-8BAF4	Arsi cattle breed (organism)
133632004	L-8BAF5	Atpadi Mahal cattle breed (organism)
133633009	L-8BAF6	Azaouak cattle breed (organism)
133634003	L-8BAF7	Azerbaijan Zebu cattle breed (organism)
133635002	L-8BAF8	Baggara cattle breed (organism)
133636001	L-8BAF9	Bambawa cattle breed (organism)
133637005	L-8BAFA	Bami cattle breed (organism)
133638000	L-8BAFB	Banyo cattle breed (organism)
133639008	L-8BAFC	Bargur cattle breed (organism)
133640005	L-8BAFD	Bari cattle breed (organism)
133641009	L-8BAFE	Bimal cattle breed (organism)
133642002	L-8BAFF	Borneo Zebu cattle breed (organism)
133643007	L-8BB00	Butana cattle breed (organism)
133644001	L-8BB01	Chittagong Red cattle breed (organism)
133645000	L-8BB02	Cutchi cattle breed (organism)
133646004	L-8BB03	Dairy Zebu of Uberaba cattle breed (organism)
133647008	L-8BB04	Dashtiari cattle breed (organism)
133648003	L-8BB05	Diali cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133649006	L-8BB06	Didinga cattle breed (organism)
133650006	L-8BB07	Dongola cattle breed (organism)
133651005	L-8BB09	Fellata cattle breed (organism)
133652003	L-8BB0A	Turkmen zebu cattle breed (organism)
133653008	L-8BB0B	Abyssinian Highland Zebu cattle breed (organism)
133654002	L-8BB0C	Abyssinian Shorthorned Zebu cattle breed (organism)
133655001	L-8BB0E	Aceh cattle breed (organism)
133656000	L-8BB0F	Achham cattle breed (organism)
133657009	L-8BB10	Garre cattle breed (organism)
133658004	L-8BB11	Gasara cattle breed (organism)
133659007	L-8BB12	Gobra cattle breed (organism)
133660002	L-8BB13	Goomsur cattle breed (organism)
133661003	L-8BB14	Gujamavu cattle breed (organism)
133662005	L-8BB15	Leiqiong cattle breed (organism)
133663000	L-8BB16	Hissar cattle breed (organism)
133664006	L-8BB17	Ingessana cattle breed (organism)
133665007	L-8BB18	Jamaica Brahman cattle breed (organism)
133666008	L-8BB19	Jellicut cattle breed (organism)
133667004	L-8BB1A	Adamawa cattle breed (organism)
133668009	L-8BB1B	Aden Zebu cattle breed (organism)
133669001	L-8BB1C	Afghan cattle breed (organism)
133670000	L-8BB1D	Alambadi cattle breed (organism)
133671001	L-8BB1E	Umblachery cattle breed (organism)
133672008	L-8BB1F	Venezuelan Zebu cattle breed (organism)
133673003	L-8BB20	Pantaneiro cattle breed (organism)
133674009	L-8BB21	Jenubi cattle breed (organism)
133675005	L-8BB22	Jiddu cattle breed (organism)
133676006	L-8BB23	Jijjiga Zebu cattle breed (organism)
133677002	L-8BB24	Kabota cattle breed (organism)
133678007	L-8BB25	Kachcha Siri cattle breed (organism)
133679004	L-8BB26	Kalakheri cattle breed (organism)
133680001	L-8BB27	Kamdhino cattle breed (organism)
133681002	L-8BB28	Kandahari cattle breed (organism)
133682009	L-8BB29	Kaningan cattle breed (organism)
133683004	L-8BB2A	Wakwa cattle breed (organism)
133684005	L-8BB2B	White Fulani cattle breed (organism)
133685006	L-8BB2C	Yemeni Zebu cattle breed (organism)
133686007	L-8BB2D	Iranian Zebu cattle breed (organism)
133687003	L-8BB2E	Khorsan cattle breed (organism)
133688008	L-8BB2F	Polled Gir cattle breed (organism)
133689000	L-8BB30	Kappiliyan cattle breed (organism)
133690009	L-8BB31	Karamajong cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133691008	L-8BB32	Kenana cattle breed (organism)
133692001	L-8BB33	Kenya Boran cattle breed (organism)
133693006	L-8BB34	Kenya Zebu cattle breed (organism)
133694000	L-8BB35	Khamala cattle breed (organism)
133695004	L-8BB36	Khurasani zebu cattle breed (organism)
133696003	L-8BB37	Kilara cattle breed (organism)
133697007	L-8BB38	Kinniya cattle breed (organism)
133698002	L-8BB39	Konari cattle breed (organism)
133699005	L-8BB3A	Guzerat cattle breed (organism)
133700006	L-8BB3B	Tadzhik zebu cattle breed (organism)
133701005	L-8BB3C	Deogir cattle breed (organism)
133702003	L-8BB3D	Gayal cattle breed (organism)
133703008	L-8BB3E	American bison X cattle breed (organism)
133704002	L-8BB3F	Australian Braford cattle breed (organism)
133705001	L-8BB40	Krishnagari cattle breed (organism)
133706000	L-8BB41	Kumauni cattle breed (organism)
133707009	L-8BB42	Ladakhi cattle breed (organism)
133708004	L-8BB43	Latuka cattle breed (organism)
133709007	L-8BB44	Lugware cattle breed (organism)
133710002	L-8BB45	Madagascar Zebu cattle breed (organism)
133711003	L-8BB46	Madaripur cattle breed (organism)
133712005	L-8BB47	Magal cattle breed (organism)
133713000	L-8BB48	Malawi Zebu cattle breed (organism)
133714006	L-8BB49	Malnad Gidda cattle breed (organism)
133715007	L-8BB4A	Australian Friesian Sahiwal cattle breed (organism)
133716008	L-8BB4B	Braford cattle breed (organism)
133717004	L-8BB4C	Brahmousin cattle breed (organism)
133718009	L-8BB4D	Canchim cattle breed (organism)
133719001	L-8BB4E	Charbray cattle breed (organism)
133720007	L-8BB4F	Droughtmaster cattle breed (organism)
133721006	L-8BB50	Mampati cattle breed (organism)
133722004	L-8BB51	Manapari cattle breed (organism)
133723009	L-8BB52	Maure cattle breed (organism)
133724003	L-8BB53	Mazandarani cattle breed (organism)
133725002	L-8BB54	Merauke cattle breed (organism)
133727005	L-8BB56	Mhaswad cattle breed (organism)
133728000	L-8BB57	Miniature Zebu cattle breed (organism)
133729008	L-8BB58	Mongalla cattle breed (organism)
133730003	L-8BB59	Morang cattle breed (organism)
133731004	L-8BB5A	Gelbray cattle breed (organism)
133732006	L-8BB5B	Jamaica Black cattle breed (organism)
133733001	L-8BB5C	Jamaica Hope cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133734007	L-8BB5D	Jamaica Red cattle breed (organism)
133735008	L-8BB5E	Karan Fries cattle breed (organism)
133736009	L-8BB5F	Karan Swiss cattle breed (organism)
133737000	L-8BB60	Mozambique Angoni cattle breed (organism)
133738005	L-8BB61	Mpwapwa cattle breed (organism)
133739002	L-8BB62	Murle cattle breed (organism)
133740000	L-8BB63	Nakali cattle breed (organism)
133741001	L-8BB64	Nepalese Hill Zebu cattle breed (organism)
133742008	L-8BB65	N'Gaoundere cattle breed (organism)
133743003	L-8BB66	Nkedi cattle breed (organism)
133744009	L-8BB67	North Bangladesh Gray cattle breed (organism)
133745005	L-8BB68	North Somali Zebu cattle breed (organism)
133746006	L-8BB69	Polled Guzerat cattle breed (organism)
133747002	L-8BB6A	Mandalong cattle breed (organism)
133748007	L-8BB6B	Australian Milking Zebu cattle breed (organism)
133749004	L-8BB6C	Red Brangus cattle breed (organism)
133750004	L-8BB6D	Santa Cruz cattle breed (organism)
133751000	L-8BB6E	Siboney cattle breed (organism)
133752007	L-8BB6F	Bambara cattle breed (organism)
133753002	L-8BB70	Polled Nelore cattle breed (organism)
133754008	L-8BB71	Prewakwa cattle breed (organism)
133755009	L-8BB72	Pul-M'bor cattle breed (organism)
133756005	L-8BB73	Punganur cattle breed (organism)
133757001	L-8BB74	Ramgarhi cattle breed (organism)
133758006	L-8BB75	Red Bororo cattle breed (organism)
133759003	L-8BB76	Red Desert cattle breed (organism)
133760008	L-8BB77	Red Kandhari cattle breed (organism)
133761007	L-8BB78	Shakhansurri cattle breed (organism)
133762000	L-8BB79	Sheko cattle breed (organism)
133763005	L-8BB7A	Bambey cattle breed (organism)
133764004	L-8BB7B	Batanes Black cattle breed (organism)
133765003	L-8BB7C	Borgou cattle breed (organism)
133766002	L-8BB7D	Brahorn cattle breed (organism)
133767006	L-8BB7E	Bralers cattle breed (organism)
133768001	L-8BB7F	Bra-Maine cattle breed (organism)
133769009	L-8BB80	Shendi cattle breed (organism)
133770005	L-8BB81	Shuwa cattle breed (organism)
133771009	L-8BB82	Sinhala cattle breed (organism)
133772002	L-8BB83	Sistani cattle breed (organism)
133773007	L-8BB84	Small East African Zebu cattle breed (organism)
133774001	L-8BB85	Sokoto Gudali cattle breed (organism)
133775000	L-8BB86	Somali cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133776004	L-8BB87	Sonkheri cattle breed (organism)
133777008	L-8BB88	Son Valley cattle breed (organism)
133778003	L-8BB89	South China Zebu cattle breed (organism)
133779006	L-8BB8A	Bra-Swiss cattle breed (organism)
133780009	L-8BB8B	Bravon cattle breed (organism)
133781008	L-8BB8C	Brazilian Dairy hybrid cattle (organism)
133782001	L-8BB8D	Burmese cattle breed (organism)
133783006	L-8BB8E	Bushuev cattle breed (organism)
133784000	L-8BB8F	Caiua cattle breed (organism)
133785004	L-8BB90	South Malawi Zebu cattle breed (organism)
133786003	L-8BB91	Sudanese Fulani cattle breed (organism)
133787007	L-8BB92	Tabapua cattle breed (organism)
133788002	L-8BB93	Tamankaduwa cattle breed (organism)
133789005	L-8BB94	Tanzanian Zebu cattle breed (organism)
133790001	L-8BB95	Tarai cattle breed (organism)
133791002	L-8BB96	Thillari cattle breed (organism)
133792009	L-8BB97	Toposa cattle breed (organism)
133793004	L-8BB98	Toronke cattle breed (organism)
133794005	L-8BB99	Toupouri cattle breed (organism)
133795006	L-8BB9A	Carazebu cattle breed (organism)
133796007	L-8BB9B	Central Asian Zebu cattle breed (organism)
133797003	L-8BB9C	Charford cattle breed (organism)
133798008	L-8BB9D	Cuban Criollo cattle breed (organism)
133799000	L-8BB9E	Cuban Zebu cattle breed (organism)
133800001	L-8BB9F	Dishty cattle breed (organism)
133801002	L-8BC00	Djakore cattle breed (organism)
133802009	L-8BC01	Gambian N'Dama cattle breed (organism)
133803004	L-8BC03	Ghana Sanga cattle breed (organism)
133804005	L-8BC04	Girolando cattle breed (organism)
133805006	L-8BC05	Guzerando cattle breed (organism)
133806007	L-8BC06	Hatton cattle breed (organism)
133807003	L-8BC07	Ibage cattle breed (organism)
133808008	L-8BC08	Iraqi cattle breed (organism)
133809000	L-8BC09	Jerdi cattle breed (organism)
133810005	L-8BC10	Jersind cattle breed (organism)
133811009	L-8BC11	Jotko cattle breed (organism)
133812002	L-8BC12	Kanem cattle breed (organism)
133813007	L-8BC13	Keteku cattle breed (organism)
133814001	L-8BC14	Lavinia cattle breed (organism)
133815000	L-8BC15	Local Indian Dairy cattle breed (organism)
133816004	L-8BC16	Mantiqueira cattle breed (organism)
133817008	L-8BC17	Ndagu cattle breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133818003	L-8BC18	Normanzu cattle breed (organism)
133819006	L-8BC19	Nuba Mountain cattle breed (organism)
133820000	L-8BC20	Pabna cattle breed (organism)
133821001	L-8BC21	Mixed Perijanero cattle breed (organism)
133822008	L-8BC22	Pitangueiras cattle breed (organism)
133823003	L-8BC23	Quasah cattle breed (organism)
133824009	L-8BC24	Rana cattle (organism)
133825005	L-8BC25	Ranger cattle (organism)
133826006	L-8BC26	Renitelo cattle breed (organism)
133827002	L-8BC27	Riopardenze cattle breed (organism)
133828007	L-8BC28	Rustaqi cattle breed (organism)
133829004	L-8BC29	Sabre cattle breed (organism)
133830009	L-8BC30	Sahford cattle breed (organism)
133831008	L-8BC31	Schwyz-Zeboid cattle breed (organism)
133832001	L-8BC32	Suia cattle breed (organism)
133833006	L-8BC33	Suisbu cattle breed (organism)
133834000	L-8BC34	Sunandini cattle breed (organism)
133835004	L-8BC35	Taino cattle breed (organism)
133836003	L-8BC36	Thibar cattle breed (organism)
133837007	L-8BC37	Toubou cattle breed (organism)
133838002	L-8BC38	Tropical cattle breed (organism)
133839005	L-8BC39	TSSH-1 cattle breed (organism)
133840007	L-8BC40	Victoria cattle breed (organism)
133841006	L-8BC41	Wokalup cattle breed (organism)
133842004	L-8BC42	Madura cattle breed (organism)
133855003	M-78731	Radial scar (morphologic abnormality)
133874006	P1-86C50	Selective fetal reduction (procedure)
133875007	P1-93506	Injection of prostaglandin (procedure)
133882006	P2-71317	Drug infusion challenge (procedure)
133884007	P5-B3402	Computer assisted image analysis for spatial collocation (procedure)
133885008	P5-B3404	Computer assisted image analysis for spatial proximity (procedure)
133886009	P5-B3406	Computer assisted image analysis for temporal correlation (procedure)
133887000	P5-B3408	Computer assisted image analysis for image quality (procedure)
133888005	P5-B3410	Computer assisted image analysis for focal asymmetric density (procedure)
133889002	P5-B3412	Computer assisted image analysis for asymmetric breast tissue (procedure)
133890006	P5-B3414	Computer assisted image analysis for breast composition analysis (procedure)
133910006	PA-5003B	Conductance catheter method (procedure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
133911005	PA-5003C	Doppler catheter method (procedure)
133912003	PA-5003D	Fiberoptic catheter method (procedure)
133913008	PA-5003E	Hall catheter method (procedure)
133914002	PA-5003F	Thermistor catheter method (procedure)
133943005	T-D2340	Left lumbar region (body structure)
133944004	T-D2342	Right lumbar region (body structure)
133945003	T-D4211	Left hypochondriac region structure (body structure)
133946002	T-D4212	Right hypochondriac region structure (body structure)
134198009	G-C150	Etiology (attribute)
134223000	R-41727	Narrow (qualifier value)
143824007	T-C4147	Structure of intraglandular parotid lymph node (body structure)
143925009	T-C4155	Structure of buccinator lymph node (body structure)
144026003	T-C4156	Structure of nasolabial lymph node (body structure)
144127009	T-C4157	Structure of submaxillary lymph node (body structure)
155237005	T-C421D	Structure of inferior auricular lymph node (body structure)
155338003	T-C4102	Structure of mandibular lymph node (body structure)
158965000	J-0016E	Medical practitioner (occupation)
158971006	J-00172	Hospital registrar (occupation)
159016003	J-00187	Medical radiographer (occupation)
160270001	R-20773	No family history: Cardiovascular disease (situation)
160274005	R-2087E	No family history diabetes (situation)
160303001	G-0157	Family history: Diabetes mellitus (situation)
160476009	F-02455	Social / personal history observable (observable entity)
160573003	F-02573	Alcohol intake (observable entity)
161045001	F-0351E	Disability - severe (finding)
161445009	G-023F	History of diabetes mellitus (situation)
161453001	G-0244	History of obesity (situation)
161501007	G-0269	History of hypertension (situation)
161505003	G-026D	History of heart failure (situation)
161622006	G-02BD	History of lower limb amputation (situation)
161656000	G-02D0	History of regular medication (situation)
161763005	G-0304	History of ectopic pregnancy (situation)
161765003	G-0305	History of premature delivery (situation)
161798008	G-0319	History of female infertility (situation)
161806007	G-031E	History of eclampsia (situation)
161807003	G-031F	History of severe pre-eclampsia (situation)
161901003	F-0600C	Chronic sick (finding)
161971004	F-A265A	Chest pain not present (situation)
162164007	F-03753	Nipple discharge symptom (finding)
162290004	F-F1722	Dry eyes (finding)
162467007	R-209F6	Free of symptoms (situation)
164150006	R-20099	On examination - axillary lymphadenopathy (disorder)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
164854000	F-000B7	Electrocardiogram normal (finding)
164929001	F-000C3	Electrocardiogram: ST interval normal (finding)
164931005	F-03204	ST elevation (observable entity)
165076002	F-000FF	Cardiac function test abnormal (finding)
165079009	P0-006E4	Exercise tolerance test (procedure)
165082004	F-00101	Exercise tolerance test normal (finding)
165084003	F-00103	Exercise tolerance test abnormal (finding)
165816005	F-0331B	Human immunodeficiency virus positive (finding)
167364008	T-C4254	Structure of median retropharyngeal lymph node (body structure)
167464007	T-C4255	Structure of lateral retropharyngeal lymph node (body structure)
167664004	T-C4263	Structure of delphian lymph node (body structure)
167864002	T-C4018	Structure of deep lateral cervical lymph node (body structure)
167965000	T-C421E	Structure of superficial lateral cervical lymph node (body structure)
168159002	T-C4238	Structure of lateral jugular lymph node (body structure)
168360002	T-C4019	Structure of deep anterior cervical lymph node (body structure)
168460001	T-C4244	Structure of pretracheal lymph node (body structure)
168557005	T-C401A	Structure of superficial anterior cervical lymph node (body structure)
169167001	P5-D0061	Radionuclide lymphogram (procedure)
169254007	F-01BF8	Ultrasound scan normal (finding)
169413002	P0-007AC	Hormone therapy (procedure)
170745003	F-02F14	Diabetic on diet only (finding)
170746002	F-02F15	Diabetic on oral treatment (finding)
170747006	F-02F16	Diabetic on insulin (finding)
170887008	T-D161E	Submental triangle structure (body structure)
171224000	F-03C97	Risk factors present at heart disease screening (observable entity)
172049005	P1-4834A	Quadrantectomy of breast (procedure)
174822005	P1-31003	Atrial inversion operation using atrial wall (procedure)
174826008	P1-31919	Arterial switch operation (procedure)
174830006	P0-0530F	Repair of total anomalous pulmonary venous connection (procedure)
174836000	P1-31037	Repair of defect of the atrioventricular septum (procedure)
174900004	P1-38803	Repair of partial anomalous pulmonary venous connection (procedure)
180640008	G-D13E	Approach via tracheostomy (qualifier value)
180933005	T-A1604	Fifth ventricle (body structure)
181131000	T-04009	Entire breast (body structure)
181347005	T-47402	Common femoral artery (body structure)
181349008	T-47403	Superficial femoral artery (body structure)
181351007	T-4704C	Tibial artery (body structure)
181469002	T-00009	Entire skin (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
181768009	T-D03C2	Lymphatic tissue (body structure)
181900008	T-116EE	Superior articular facet of axis (body structure)
181901007	T-116EF	Inferior articular facet of axis (body structure)
182744004	P2-77110	Extracorporeal circulation procedure (procedure)
182833002	F-04460	Medication given (situation)
183973000	T-D002F	Body surface point (body structure)
193570009	DA-73402	Cataract (disorder)
194828000	D3-13012	Angina (disorder)
194842008	D3-13001	Single coronary vessel disease (disorder)
194843003	D3-13013	Double coronary vessel disease (disorder)
194983005	D3-29025	Aortic incompetence, non-rheumatic (disorder)
194996006	T-48403	Structure of anterior cardiac vein (body structure)
195020003	D3-20003	Hypertrophic cardiomyopathy without obstruction (disorder)
195042002	R-F81AE	Second degree atrioventricular block (disorder)
195060002	D3-31351	Ventricular pre-excitation (disorder)
195073003	T-48405	Structure of smallest cardiac vein (body structure)
195164009	T-48406	Structure of atrial vein (body structure)
195295006	D3-80505	Raynaud's disease (disorder)
195328002	T-48404	Structure of ventricular vein (body structure)
195416006	T-484A4	Structure of posterior vein of left ventricle (body structure)
195496005	T-48407	Structure of atrioventricular vein (body structure)
195675009	F-30004	Cardiac akinesia (finding)
195879000	T-14001	Structure of abdominal wall muscle (body structure)
195967001	D2-00036	Asthma (disorder)
196446004	T-C4307	Structure of prevertebral lymph node (body structure)
196516004	T-C437C	Structure of prepericardial lymph node (body structure)
196587000	T-C4306	Structure of lateral pericardial lymph node (body structure)
196662004	T-C4308	Structure of intrapulmonary lymph node (body structure)
196751009	T-C4309	Structure of diaphragmatic lymph node (body structure)
196821008	T-C4305	Structure of innominate lymph node (body structure)
204317008	D4-31012	Patent foramen ovale (disorder)
206034008	T-4630D	Structure of esophageal artery (body structure)
213262007	F-01FBA	Postoperative hematoma formation (disorder)
218728005	D3-83001	Interrupted aortic arch (disorder)
223366009	J-00552	Healthcare professional (occupation)
224944003	R-40333	Paternal (qualifier value)
225728007	R-300E3	Accident and Emergency department (environment)
225761000	R-40B16	As required (qualifier value)
225908003	F-009EA	Pain score (observable entity)
228366006	F-931D4	Finding relating to drug misuse behavior (finding)
228736002	A-010FB	Surface bolus (physical object)
228739009	A-010FE	Shielding block (physical object)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
228745001	A-01105	Bite block (physical object)
228748004	A-040ED	Brachytherapy implant (physical object)
228761004	A-0110F	Collimator (physical object)
228790005	R-429DF	Irradiated volume (observable entity)
228791009	R-429E0	Gross tumor volume (observable entity)
228792002	R-429EB	Clinical target volume (observable entity)
228793007	R-429EC	Planning target volume (observable entity)
229033006	P5-D0072	Radioisotope scan of total body (procedure)
230690007	D3-8900D	Cerebrovascular accident (disorder)
231249005	P1-C0208	Local anesthetic intrathecal block (procedure)
232077005	DA-7930D	Empty vitreous (disorder)
232717009	P1-3301A	Coronary artery bypass grafting (procedure)
233022006	P1-31028	Construction of conduit - right atrium to pulmonary trunk (procedure)
233134001	P1-31088	Damus-Stansel-Kaye operation (procedure)
233139006	P1-31089	Norwood type operation (procedure)
233159005	P1-31C03	Ablation operation for arrhythmia (procedure)
233170003	P1-3157D	Implantation of automatic cardiac defibrillator (procedure)
233199008	P0-057E8	Closure of ductus arteriosus with clip (procedure)
233224003	P1-36956	Central aortopulmonary shunt operation (procedure)
233230003	P1-3696A	Hemi-Fontan operation (procedure)
233817007	D3-1301F	Triple vessel disease of the heart (disorder)
233819005	D3-13020	Stable angina (disorder)
233823002	D3-13021	Silent myocardial ischemia (disorder)
233981004	D3-80027	Arterial aneurysm (disorder)
233982006	D3-80002	Cirsoid aneurysm (disorder)
234021009	D3-80033	Cystic adventitial disease (disorder)
234171009	D3-04006	Drug-induced hypotension (disorder)
236423003	D7-11007	Renal impairment (disorder)
236886002	P1-8330D	Hysterectomy (procedure)
237380007	P1-48011	Pre-biopsy localization of breast lesion (procedure)
237473006	DD-66544	Rupture of breast implant (disorder)
237897009	D6-34737	Vascular calcification (disorder)
238108007	F-029F7	Cachexia (finding)
238810007	D0-30017	Flushing (disorder)
239503002	P1-189C2	Resurfacing of the patella (procedure)
240946003	P0-05AFA	Percutaneous removal of endovascular foreign body (procedure)
241213007	P5-30031	Cardiac shunt study (procedure)
241434002	P5-0A001	Positron emission tomography brain study (procedure)
241439007	P5-0A006	Positron emission tomography heart study (procedure)
241443006	P5-0A00A	Positron emission tomography study for localization of tumor (procedure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
241466007	P5-B001D	Intravascular ultrasound scan (procedure)
241539009	P5-0801C	Computed tomography of breast (procedure)
241547009	P5-08025	Computed tomography of heart (procedure)
241553009	P5-0802B	Computed tomography of abdominal aorta (procedure)
241615005	P5-0900D	Magnetic resonance imaging of breast (procedure)
241620005	P5-09011	Magnetic resonance imaging of heart (procedure)
241663008	P5-0903A	Magnetic resonance imaging of vessels (procedure)
241687005	P1-C0012	Induction of general anesthesia (procedure)
241695009	P1-C001A	Maintenance of general anesthesia (procedure)
243147009	P2-2290D	Controlled ventilation (procedure)
243154003	P2-22914	High frequency jet ventilation (procedure)
243156001	P2-22916	Continuous flow ventilation (procedure)
243776001	PA-2011E	Blood sampling from extracorporeal blood circuit (procedure)
243898001	T-D0059	Anatomical reference plane (body structure)
243902007	T-D005D	Level of C2/C3 intervertebral disc (body structure)
243903002	T-D005E	Level of C3/C4 intervertebral disc (body structure)
243904008	T-D005F	Level of C4/C5 intervertebral disc (body structure)
243905009	T-D007C	Level of C5/C6 intervertebral disc (body structure)
243906005	T-D007D	Level of C6/C7 intervertebral disc (body structure)
243908006	T-D007F	Level of T1/T2 intervertebral disc (body structure)
243909003	T-D008B	Level of T2/T3 intervertebral disc (body structure)
243910008	T-D008C	Level of T3/T4 intervertebral disc (body structure)
243911007	T-D008D	Level of T4/T5 intervertebral disc (body structure)
243912000	T-D008E	Level of T5/T6 intervertebral disc (body structure)
243913005	T-D008F	Level of T6/T7 intervertebral disc (body structure)
243914004	T-D0091	Level of T7/T8 intervertebral disc (body structure)
243915003	T-D0092	Level of T8/T9 intervertebral disc (body structure)
243916002	T-D0093	Level of T9/T10 intervertebral disc (body structure)
243917006	T-D0094	Level of T10/T11 intervertebral disc (body structure)
243918001	T-D0095	Level of T11/T12 intervertebral disc (body structure)
243920003	T-D0097	Level of L1/L2 intervertebral disc (body structure)
243921004	T-D0098	Level of L2/L3 intervertebral disc (body structure)
243922006	T-D0099	Level of L3/L4 intervertebral disc (body structure)
243923001	T-D009A	Level of L4/L5 intervertebral disc (body structure)
243925008	T-D009C	Level of C7/T1 intervertebral disc (body structure)
243926009	T-D009D	Level of T12/L1 intervertebral disc (body structure)
243927000	T-D009E	Level of L5/S1 intervertebral disc (body structure)
243977002	T-D4434	Rutherford Morrison's pouch (body structure)
244251006	T-43002	Septal artery (body structure)
244252004	T-43003	Intermediate artery (body structure)
244411005	T-4940E	Iliac vein structure (body structure)
244415001	T-4941A	Saphenopopliteal junction (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
244453006	T-A800B	Optic chiasma (body structure)
245321008	T-C4235	Upper jugular lymph node (body structure)
245322001	T-C4236	Middle jugular lymph node (body structure)
245323006	T-C4237	Lower jugular lymph node (body structure)
245324000	T-C4216	Posterior triangle cervical lymph node (body structure)
245328002	T-C4217	Postauricular lymph node (body structure)
245341003	T-C4379	Tracheobronchial lymph node (body structure)
245344006	T-C4411	Perigastric lymph node (body structure)
245346008	T-C447A	Peripancreatic lymph node (body structure)
245544005	P1-31018	Implantation of baffle, atrial or interatrial (procedure)
245616001	T-54641	Entire deciduous maxillary right first molar tooth (body structure)
245619008	T-54621	Entire deciduous maxillary right lateral incisor tooth (body structure)
245620002	T-54611	Entire deciduous maxillary right central incisor tooth (body structure)
245631005	T-54741	Entire deciduous mandibular right first molar tooth (body structure)
245639007	T-54781	Entire deciduous mandibular left canine tooth (body structure)
246090004	G-C189	Associated finding (attribute)
246092007	G-A60B	Cardiac cycle phase (attribute)
246101005	G-0180	Reason for stopping test (attribute)
246112005	G-C197	Severity (attribute)
246205007	G-C1C6	Quantity (attribute)
246206008	F-02A3B	Number of lesions (observable entity)
246244004	G-D775	Type of stenosis (attribute)
246262008	G-C1E3	Score (attribute)
246345001	G-C1F9	Graft material (attribute)
246432004	R-42009	Number of occurrences (qualifier value)
246464006	R-42019	Function (observable entity)
246489000	G-C11C	Pharmacological stress used (attribute)
247094004	F-035F3	Gas in vitreous cavity (finding)
247095003	F-035FD	Oil in vitreous cavity (finding)
247441003	F-4410C	Erythema (finding)
247472004	D0-00165	Weal (disorder)
248243004	F-03D1D	Exercise tolerance (observable entity)
248300009	F-03D38	Body fat observable (observable entity)
248366000	F-03D8C	Chest circumference (observable entity)
248523006	F-54005	Rectal mass (finding)
248536006	F-03E55	Finding of functional performance and activity (finding)
248584002	F-21334	Catching breath (finding)
248585001	F-21303	Irregular breathing (finding)
248808008	F-009E4	Breast size (observable entity)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
248983002	R-20658	Obstetric history (observable entity)
249192005	F-00AA0	Number of umbilical arteries (observable entity)
249708006	T-C4582	Structure of renal hilar lymph node (body structure)
250431005	F-00E6D	Color of fluid (observable entity)
250767002	F-0212C	Pulmonary artery pressure (observable entity)
250881009	F-021FF	Equipment temperature (observable entity)
250907009	F-02220	Left ventricular function (observable entity)
250909007	F-02225	Left ventricular wall motion (observable entity)
250924003	F-02236	Left ventricular size (observable entity)
250929008	F-0224E	Left ventricular cavity size (observable entity)
250949004	F-0227A	Right ventricular wall motion (observable entity)
250964004	F-022A1	Right ventricular cavity size (observable entity)
251011009	F-0231F	Aortic valve area (observable entity)
251012002	F-02320	Mitral valve area (observable entity)
251013007	F-02321	Pulmonary valve area (observable entity)
251014001	F-02322	Tricuspid valve area (observable entity)
251050008	F-0238B	Pulmonary to systemic flow ratio (observable entity)
251053005	F-0238D	Myocardial perfusion (observable entity)
251055003	F-3014D	Reversible myocardial perfusion defect (finding)
251056002	F-3014E	Partially reversible myocardial perfusion defect (finding)
251057006	F-3014F	Fixed myocardial perfusion defect (finding)
251081004	F-023F7	Cardiovascular pressure gradient (observable entity)
251120003	D3-33122	Incomplete left bundle branch block (disorder)
251124007	D3-33112	Incomplete right bundle branch block (disorder)
251135002	F-38056	Borderline normal electrocardiogram (finding)
251159007	D3-31704	Ventricular tachycardia, polymorphic (disorder)
251271006	F-02692	Vascular resistance (observable entity)
251786004	F-02FA4	Extrafoveal ocular fixation (finding)
251795007	F-02FB4	Power of sphere (observable entity)
251797004	F-A2143	Power of cylinder (observable entity)
251799001	F-02FB7	Axis of cylinder (observable entity)
252064005	F-0319E	Arterial velocity (observable entity)
252068008	F-031A2	Pulsatility index, arterial velocity waveform (observable entity)
252129004	F-031F7	Test duration (observable entity)
252130009	F-031F8	Total exercise time (observable entity)
252131008	F-031F9	Time from start of test (observable entity)
252418006	P5-B3004	Transthoracic echocardiography (procedure)
252420009	P5-B3005	Intravascular echocardiography (procedure)
252421008	P5-B3006	Intracavitary echocardiography (procedure)
252426003	P5-3003A	Cardiac ventriculography (procedure)
252427007	P5-30107	Coronary bypass graft angiography (procedure)
252432008	P5-D3008	Radionuclide myocardial perfusion study (procedure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
252680004	P5-D0063	Radionuclide study for localization of tumor or inflammatory disease (procedure)
253276007	D4-31005	Cor triloculare biventriculare (disorder)
253551005	D4-31166	Restrictive ventricular septal defect (disorder)
253590009	D3-29082	Pulmonary atresia with intact ventricular septum (disorder)
253591008	D4-31611	Pulmonary atresia with ventricular septal defect (disorder)
253639004	D3-4020B	Intrapulmonary arteriovenous fistula (disorder)
253678000	D4-32030	Thoracic aortic coarctation (disorder)
253728007	D4-3252B	Right dominant coronary system (disorder)
253729004	D4-3252C	Left dominant coronary system (disorder)
253730009	D4-3252D	Balanced coronary system (disorder)
255218000	R-40365	Mid-frequency (qualifier value)
255227004	G-A39A	Recurrent (qualifier value)
255235001	R-411C0	Pre-dose (qualifier value)
255236000	F-32021	Peak systolic, function (observable entity)
255238004	R-40377	Continuous (qualifier value)
255253007	R-4038D	End of protocol (qualifier value)
255254001	F-32011	End-diastolic, function (observable entity)
255282008	M-020FA	Discoid (qualifier value)
255288007	R-403A7	Nodular (qualifier value)
255321001	R-403CC	Ulcerative (qualifier value)
255378009	R-40411	Aneurysmal (qualifier value)
255380003	R-40416	Eccentric (qualifier value)
255423002	R-40448	Fibrous (qualifier value)
255460003	G-C028	Inward (attribute)
255465008	R-4047B	Concentric (qualifier value)
255482005	R-40491	Left upper segment (qualifier value)
255496004	R-4049E	Right lower segment (qualifier value)
255499006	R-404A0	Right upper segment (qualifier value)
255507004	R-404A8	Small (qualifier value)
255508009	R-404A9	Medium (qualifier value)
255509001	R-404AA	Large (qualifier value)
255511005	R-404AC	Long (qualifier value)
255518004	R-404B3	Down (qualifier value)
255521002	R-404B6	Downward gaze (qualifier value)
255523004	R-404B7	Gaze down and left (qualifier value)
255524005	R-404B8	Gaze down and right (qualifier value)
255525006	R-404B9	Gaze up and left (qualifier value)
255526007	R-404BA	Gaze up and right (qualifier value)
255530005	R-404BC	Left gaze (qualifier value)
255531009	R-404BD	Right gaze (qualifier value)
255532002	R-404BE	Up (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
255533007	R-404BF	Upward gaze (qualifier value)
255543005	R-404C7	Outward (qualifier value)
255549009	R-404CC	Anterior (qualifier value)
255551008	R-404CE	Posterior (qualifier value)
255561001	R-404D5	Medial (qualifier value)
255566006	R-404DA	Post-dose (qualifier value)
255590007	R-404ED	Extents (qualifier value)
255593009	R-404F0	Circumferential (qualifier value)
255594003	R-404F1	Complete (qualifier value)
255603008	R-404F9	Major (qualifier value)
255604002	R-404FA	Mild (qualifier value)
255605001	R-404FB	Minimal (qualifier value)
255606000	R-404FC	Minor (qualifier value)
255609007	R-404FE	Partial (qualifier value)
255619001	R-40507	Total (qualifier value)
255631004	C-5008C	Antibiotic (product)
255632006	R-F1216	Anticonvulsant (substance)
255641001	F-61117	Caffeine (substance)
255667006	F-61118	Paraffin (substance)
255792001	C-2280A	Acid phosphatase stain (substance)
255793006	C-2280B	Albert's stain (substance)
255794000	C-2280C	Auramine stain (substance)
255795004	C-2280D	Beta-glucuronidase stain (substance)
255796003	C-2280E	Chloroacetate esterase stain (substance)
255797007	C-2280F	Feulgen reaction stain (substance)
255798002	C-22810	Field's stain (substance)
255799005	C-22816	Flagellar stain (substance)
255800009	C-22817	Immunofluorescent stain (substance)
255801008	C-22818	Jenner-Giemsa stain (substance)
255802001	C-22819	Leishman stain (substance)
255803006	C-2281A	May-Grunwald giemsa stain (substance)
255804000	C-2281B	Methyl green pyronin stain (substance)
255805004	C-2281C	Myeloperoxidase stain (substance)
255806003	C-2281D	Neutrophil alkaline phosphatase stain (substance)
255807007	C-2281E	Nonspecific esterase stain (substance)
255808002	C-2281F	Periodic acid Schiff stain (substance)
255809005	C-22820	Prussian blue stain (substance)
255810000	C-2282A	Romanowsky stain (substance)
255811001	C-2282B	Spore stain (substance)
255813003	C-2282C	Ziehl-Neelsen stain (substance)
256235009	R-40C16	Exercise (observable entity)
256496006	F-611FC	Gold alloy (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
256501007	F-61202	Carbon fiber (substance)
256506002	F-61207	Stainless steel material (substance)
256526003	F-6121C	Cobalt-chromium alloy (substance)
256579008	C-14314	Calcium hydroxyapatite (substance)
256674009	T-D008A	Fat (substance)
256779006	T-F1412	Structure of vitelline artery of placenta (body structure)
256875007	T-F1413	Structure of vitelline vein of placenta (body structure)
257327003	A-12018	Dynamic hip screw plate (physical object)
257357007	A-04831	Silicone gel implant (physical object)
257362008	A-25501	Plastic stent (physical object)
257363003	A-25502	Metal stent (physical object)
257409000	A-14611	Vena cava filter (physical object)
257771002	R-41C37	Cemented component fixation (qualifier value)
257833000	P1-10997	Internal fixation using staple (procedure)
257834006	P1-10998	Internal fixation using screw (procedure)
257835007	P1-10999	Internal fixation using plate (procedure)
257837004	P1-1099B	Internal fixation using internal fixator system (procedure)
257912008	P0-021AB	Rotation - action (qualifier value)
257950002	R-41C8D	Salvage procedure (qualifier value)
258083009	R-41D27	Visual estimation (qualifier value)
258090004	R-41D2D	Calculated (qualifier value)
258104002	R-41D41	Measured (qualifier value)
258153002	F-021E1	Target heart rate achieved (observable entity)
258177008	P5-09051	Magnetic resonance imaging guidance (procedure)
258181008	R-41D8B	Electrocardiogram analysis (qualifier value)
258214002	G-C16B	Stage (attribute)
258215001	R-41DA8	Stage 1 (qualifier value)
258219007	R-41DAC	Stage 2 (qualifier value)
258224005	R-41DB0	Stage 3 (qualifier value)
258228008	R-41DB4	Stage 4 (qualifier value)
258245003	R-41DC5	G4 grade (finding)
258270003	R-41DDC	High risk tumor (tumor staging)
258433009	G-803C	Smear sample (specimen)
258562007	G-81A0	Genetic sample (specimen)
258661006	G-81EA	Slide (specimen)
259153006	C-20830	Chloroform (substance)
259170003	C-21216	Diethyl ether (substance)
259221006	C-2102B	Methanol (substance)
260245000	R-40271	Findings values (qualifier value)
260360000	G-A37A	Very high (qualifier value)
260376009	R-40750	Enlarged (qualifier value)
260385009	R-40759	Negative (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
260388006	R-4075C	No status change (qualifier value)
260395002	R-40765	Normal range (qualifier value)
260408008	G-A205	Weakly positive (qualifier value)
260409000	R-40771	Well defined (qualifier value)
260413007	R-40775	None (qualifier value)
260426006	R-40782	Medial oblique (qualifier value)
260427002	R-40783	Oblique lateral (qualifier value)
260450008	R-40799	Lordotic projection (qualifier value)
260473000	R-407B0	Waters - 35 degree tilt to radiographic baseline (qualifier value)
260492003	R-40809	Brewerton's projection (qualifier value)
260493008	R-4080A	Harris Beath axial projection (qualifier value)
260496000	R-4080D	Judet projection (qualifier value)
260497009	R-4080E	Mortice projection (qualifier value)
260499007	R-40810	Occlusal projection (qualifier value)
260506009	R-40816	Van Rosen projection (qualifier value)
260521003	R-40819	Internal (qualifier value)
260528009	R-4081A	Median (qualifier value)
260585005	G-D05F	Via brachial artery (qualifier value)
260590008	G-D067	Via femoral artery (qualifier value)
260601006	G-D071	Via femoral vein (qualifier value)
260674002	G-C048	Direction of flow (attribute)
260787004	A-00004	Physical object (physical object)
260858005	G-C093	Extent (attribute)
260867005	R-40861	Period of collection (qualifier value)
260870009	G-C09C	Priority (attribute)
260905004	G-C0B2	Condition (attribute)
260911001	G-C0B7	Dosage (attribute)
261004008	R-408C3	Diagnostic intent (qualifier value)
261039008	R-40928	Valsalva maneuver (qualifier value)
261061003	R-40939	Bronchial (qualifier value)
261073003	R-40940	Epicardial (qualifier value)
261074009	R-40941	External (qualifier value)
261089000	R-4094A	Inferior (qualifier value)
261129000	G-A10A	Mediolateral (qualifier value)
261197005	R-409E2	Doppler color flow (qualifier value)
261198000	R-409E3	Doppler continuous wave (qualifier value)
261199008	R-409E4	Doppler pulsed (qualifier value)
261249004	F-61165	Nickel cobalt chromium (substance)
261250004	F-61166	Nickel titanium (substance)
261459001	G-D0C6	Via arm vein (qualifier value)
261613009	R-41177	Stage 0 (qualifier value)
261617005	R-4117B	Stage 5 (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
261665006	R-41198	Unknown (qualifier value)
261712009	C-100EA	Acrylic polymer (substance)
262003004	C-70841	Normal saline (product)
262008008	R-4135B	Not performed (qualifier value)
262061000	R-413B7	Postoperative period (qualifier value)
262068006	R-413C5	Preoperative (qualifier value)
262202000	R-41531	Therapeutic intent (qualifier value)
262301009	A-00D7B	Opaque marker (physical object)
263654008	R-42037	Abnormal (qualifier value)
263677008	R-42047	Antegrade direction (qualifier value)
263707001	R-4205B	Clear (qualifier value)
263720003	P0-021B2	Compression - action (qualifier value)
263816006	R-420AE	Muscular (qualifier value)
263943000	R-4210B	Anterior wall (qualifier value)
263972004	T-A1509	Cerebellar subarachnoid space (body structure)
264045001	R-42142	Intraluminal (qualifier value)
264068005	R-4214B	Left lower segment (qualifier value)
264114003	R-4215C	Ostium (qualifier value)
264159006	R-42175	Posterior wall (qualifier value)
264217000	R-42191	Superior (qualifier value)
264293000	T-41065	Coronary artery graft (morphologic abnormality)
264481007	T-4942D	Entire gastrocnemius vein (body structure)
264579008	R-423C3	Thrombosis (qualifier value)
264844003	T-32613	Left ventricle apical anterior segment (body structure)
264845002	T-32614	Left ventricle apical septal segment (body structure)
264846001	T-32615	Left ventricle basal inferior segment (body structure)
264847005	T-32616	Left ventricle mid inferior segment (body structure)
264848000	T-32617	Left ventricle mid anterior segment (body structure)
264849008	T-32618	Left ventricle apical inferior segment (body structure)
264850008	T-32619	Left ventricle basal anterior segment (body structure)
264853005	T-3261C	Left ventricle apical lateral segment (body structure)
265483003	P5-3003F	Right ventriculogram (procedure)
265484009	P5-30041	Left ventriculogram (procedure)
266706003	P2-31209	Continuous electrocardiogram monitoring (procedure)
266894000	G-032F	Family history: Cardiovascular disease (situation)
266897007	G-011E	Family history: Myocardial infarction (situation)
266919005	F-9321F	Never smoked tobacco (finding)
266995000	G-0335	History of cardiovascular disease (situation)
267011001	R-20767	Gynecological history (observable entity)
267036007	F-201B3	Dyspnea (finding)
268384009	F-042BA	Total blood volume (observable entity)
268400002	P2-3120A	12 lead electrocardiogram (procedure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
268461001	F-9B75C	Sheath contraception (finding)
268951004	R-207D7	On examination - breast lump palpated (finding)
270492004	D3-30001	First degree atrioventricular block (disorder)
271593001	F-06001	Moribund (finding)
271594007	D3-00006	Syncope (disorder)
271649006	F-008EC	Systolic blood pressure (observable entity)
271650006	F-008ED	Diastolic blood pressure (observable entity)
271801002	F-5005E	Taste sense altered (finding)
271807003	D0-00058	Eruption of skin (disorder)
271824009	F-21331	Respiration intermittent (finding)
271921002	F-00033	Electrocardiogram finding (observable entity)
271989003	D7-90010	Disorder of breast implant (disorder)
271993009	P5-009BF	Peripheral angiography (procedure)
272113006	R-407E0	Before values (qualifier value)
272114000	R-407E1	During values (qualifier value)
272123002	R-407E7	Frequencies (qualifier value)
272163001	R-40826	Mixture (qualifier value)
272180002	A-00916	Garment (physical object)
272224001	A-00927	Guide wire (physical object)
272287005	A-04036	Inlay dental restoration (physical object)
272466003	R-4087B	Optic foramen projection (qualifier value)
272476000	R-40885	Transthoracic projection (qualifier value)
272479007	R-40888	Posteroanterior projection (qualifier value)
272517003	R-40899	Respiratory cycle point (qualifier value)
272518008	R-4089A	Cardiovascular cycle point (qualifier value)
272519000	R-4089B	Absence findings (qualifier value)
272657006	T-D075D	Cardiac wall structure (body structure)
272673000	T-D016E	Bone structure (body structure)
272710004	T-D0170	Bone structure of thorax (body structure)
272737002	G-C581	Site of (attribute)
272741003	G-C171	Laterality (attribute)
272998002	T-48725	Structure of right hepatic vein (body structure)
273099000	T-48726	Structure of middle hepatic vein (body structure)
273202007	T-48727	Structure of left hepatic vein (body structure)
273249006	G-E048	Assessment scales (assessment scale)
273948005	R-F6E36	Chloral hydrate (substance)
274022008	P1-34001	Repair of coarctation of aorta (procedure)
274060004	T-4667C	Structure of lobar artery of kidney (body structure)
274143007	T-4667D	Structure of interlobar artery of kidney (body structure)
274231001	T-4668A	Structure of arcuate artery of kidney (body structure)
274303007	R-202A9	On examination - lymph nodes (finding)
274331003	P1-4830F	Surgical biopsy of breast (procedure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
274640006	F-03261	Fever with chills (finding)
274662006	F-A0846	Transient limb paralysis (finding)
274668005	F-37015	Non-cardiac chest pain (finding)
275035006	P1-32006	Heart valve replacement - prosthesis (procedure)
275514001	F-300FA	Impaired left ventricular function (finding)
275552000	G-0069	History of kidney disease (situation)
276334009	F-13006	Position of joint (finding)
276755008	F-03DE9	Right atrial pressure (observable entity)
276772001	F-03DFE	Right ventricular systolic pressure (observable entity)
276774000	F-03E02	Right ventricular end-diastolic pressure (observable entity)
276780008	F-03E0D	Left ventricular systolic pressure (observable entity)
276781007	F-03E0E	Left ventricular end-diastolic pressure (observable entity)
276901002	F-03E86	Pulmonary vascular resistance (observable entity)
277016007	C-23805	Alphachloralose (substance)
277132007	P0-0000E	Therapeutic procedure (procedure)
277381004	F-00078	Stroke index (observable entity)
277591006	P1-03106	Computed tomography guided biopsy (procedure)
277592004	P1-03107	Magnetic resonance imaging guided biopsy (procedure)
277630003	T-32601	Left ventricular basal septal segment (body structure)
277631004	T-32603	Left ventricle basal lateral segment (body structure)
277634007	T-32503	Right ventricle midventricular segment (body structure)
277635008	T-32504	Right ventricle basal segment (body structure)
277671009	R-400B2	Intraoperative (qualifier value)
278201002	G-C032	Classification (attribute)
278307001	R-40553	On admission (qualifier value)
278318001	R-40554	Transorbital projection (qualifier value)
278528006	F-017C0	Facial swelling (finding)
278571002	T-C46AA	Structure of postvesicular lymph node (body structure)
278672000	T-C46AB	Structure of lateral vesicular lymph node (body structure)
278983006	T-D051D	Fissure of lung (body structure)
279046003	A-80002	Pressure - physical agent (physical force)
279047007	F-A2632	Persistent pain following procedure (finding)
279084009	F-37006	Chest discomfort (finding)
279141006	T-C4145	Superficial parotid lymph node (body structure)
279142004	T-C4146	Deep parotid lymph node (body structure)
279143009	T-C4154	Mastoid lymph node (body structure)
279144003	T-C4201	Superficial cervical lymph node (body structure)
279145002	T-C4202	Deep cervical lymph node (body structure)
279170002	T-35111	Entire anulus fibrosus of tricuspid orifice (body structure)
279174006	T-35313	Entire anulus fibrosus of mitral orifice (body structure)
279189002	T-C4641	Structure of promontory common iliac lymph node (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
279215006	T-A0036	Limbic lobe (body structure)
279271008	T-C4642	Structure of interiliac lymph node (body structure)
279317000	T-35014	Truncal valve structure (body structure)
279336005	T-A4904	Posterior cerebral commissure (body structure)
279549004	T-21301	Nasal cavity structure (body structure)
279609001	T-C4423	Structure of juxtaintestinal lymph node (body structure)
279784003	T-C4452	Structure of lymph node of lesser curvature of stomach (body structure)
279795009	T-C4401	Structure of lymph node of mesentery (body structure)
279866008	T-C4453	Structure of lymph node ring of cardia of stomach (body structure)
280062008	T-D3412	Esophageal aperture of diaphragm (body structure)
280216006	T-C4465	Structure of suprapyloric lymph node (body structure)
280314006	T-C4466	Structure of subpyloric lymph node (body structure)
280371009	T-A0109	Brain cerebrospinal fluid pathway (body structure)
280401006	T-D0721	Spinal cerebrospinal fluid pathway (body structure)
280402004	T-C4467	Structure of retropyloric lymph node (body structure)
280416009	F-01E06	Indeterminate result (qualifier value)
280556009	T-C4445	Structure of cystic lymph node (body structure)
280639005	T-C4446	Structure of common duct lymph node (body structure)
280677004	T-AA62D	Internal limiting membrane of retina (body structure)
280711000	T-12847	Region of metatarsal (body structure)
280734009	T-11531	Vertebral foramen (body structure)
280824006	T-C4473	Structure of splenic lymph node (body structure)
280915003	T-C447D	Structure of inferior pancreatic lymph node (body structure)
280999005	T-C447E	Structure of superior pancreatic lymph node (body structure)
281130003	T-D0765	Descending aorta structure (body structure)
281134007	T-D305A	Intercostal artery (body structure)
281157001	T-4000E	Systemic vascular structure (body structure)
281159003	T-4105E	Systemic arterial structure (body structure)
281227003	T-C447F	Structure of inferior pancreaticoduodenal lymph node (body structure)
281231009	T-D0767	Vascular structure of head (body structure)
281268007	M-09024	Insufficient sample (finding)
281320004	T-C4481	Structure of superior pancreaticoduodenal lymph node (body structure)
281379000	R-41FD9	Pre-admission (qualifier value)
281392002	T-D3208	Upper zone of lung (body structure)
281393007	T-D3209	Middle zone of lung (body structure)
281394001	T-D320A	Lower zone of lung (body structure)
281496003	T-D6007	Pelvic vascular structure (body structure)
281676003	T-C4563	Structure of ileocolic lymph node (body structure)
281691001	P0-005ED	Physiological monitoring regime (regime/therapy)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
281765006	T-C4522	Structure of prececal lymph node (body structure)
281847004	T-C4523	Structure of retrocecal lymph node (body structure)
282031000	T-C4565	Structure of midcolic lymph node (body structure)
282044005	T-46807	Structure of penile artery (body structure)
282258000	R-422F4	moles per unit volume (qualifier value)
284355001	T-3260A	Left ventricle anterior segment (body structure)
284356000	T-3260B	Left ventricle septal segment (body structure)
284357009	T-3260C	Left ventricle inferior segment (body structure)
284358004	T-3260D	Left ventricle lateral segment (body structure)
284470004	D3-30A03	Premature atrial contraction (disorder)
284639000	T-48832	Structure of umbilical portion of portal vein (body structure)
285425001	T-C4218	Upper deep cervical lymph node (body structure)
285427009	T-C4219	Middle deep cervical lymph node (body structure)
285429007	T-C421A	Lower deep cervical lymph node (body structure)
285570007	P0-00593	Taking of swab (procedure)
285645000	DF-00577	Disseminated malignancy of unknown primary (disorder)
286558002	A-11C08	Ureteric stent (physical object)
286866000	R-421A4	Mouth closed (finding)
287272002	D3-10008	Enlarged septal foramen of heart (disorder)
287572003	P1-48142	Diagnostic aspiration of breast cyst (procedure)
288546009	T-D07CB	Lower alveolar ridge structure (body structure)
288563008	R-42517	After values (qualifier value)
289894009	F-840B3	Menstrual bleeding present (finding)
289925000	F-61779	Waste material (substance)
290006006	F-61790	Photon (substance)
290069002	F-8A074	Discoloration of skin of breast (finding)
290084006	F-8A084	Breast normal (finding)
290113009	D7-90565	Bloody nipple discharge (disorder)
290119008	F-8A09C	Nipple problem (finding)
292094009	DF-10780	Radiopharmaceutical adverse reaction (disorder)
292095005	DF-10781	Contrast media adverse reaction (disorder)
293637006	DF-10F41	Allergy to contrast media (disorder)
293638001	DF-10F42	Allergy to X-ray contrast media (disorder)
297120004	A-00BA2	Anesthetic face mask (physical object)
297171002	T-D00F7	Cervicothoracic region of spine structure (body structure)
297172009	T-D00F8	Thoracolumbar region of spine structure (body structure)
297173004	T-D00F9	Lumbosacral region of spine structure (body structure)
297174005	T-D00FA	Sacrococcygeal region of spine structure (body structure)
298336006	F-100EC	No motor response to command (finding)
299716001	T-41068	Iliac and/or femoral artery structures (body structure)
299993000	T-C4417	Structure of mesenteric artery lymph node (body structure)
300571009	F-03FC9	Finding of gestational sac (finding)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
300577008	F-03FCD	Finding of lesion (finding)
300841009	R-428E7	Poorly defined (qualifier value)
300842002	G-C2FE	Shape (attribute)
300995000	D3-13025	Exercise-induced angina (disorder)
301121007	F-30172	Myocardial perfusion normal (finding)
301939004	F-0123A	Constricted pupil (finding)
302924003	D7-9002A	Breast hematoma (disorder)
303110006	R-422A4	Postprocedural period (qualifier value)
303111005	R-422A5	During menopause (qualifier value)
303337002	T-C5001	Tonsil and adenoid structure (body structure)
303402001	T-71019	Vascular structure of kidney (body structure)
303623000	T-C4867	Structure of posterior tibial lymph node (body structure)
303653007	P5-08067	Computed tomography of head (procedure)
303680000	P5-0807F	Computed tomography of cardiovascular system (procedure)
303713004	T-C4866	Structure of anterior tibial lymph node (body structure)
303827001	P5-00A0D	Trunk angiography (procedure)
303960004	C-50434	Thrombolytic (product)
304059001	R-427E6	Endocardial (qualifier value)
304121006	A-04459	Femoral head prosthesis (physical object)
304283002	R-42806	Half-life of radiopharmaceutical (qualifier value)
304292004	J-00556	Surgeon (occupation)
304367000	R-42808	Uncemented component fixation (qualifier value)
304915008	G-E002	Duke's coronary artery disease score (assessment scale)
305437000	T-3500E	Cardiac valve annulus (body structure)
306783000	T-1273F	Tibial plateau structure (body structure)
307047009	F-00BB8	Core body temperature measured in rectum (observable entity)
307152002	R-40FB8	Temporal periods relating to procedure (qualifier value)
307153007	R-40FB9	Before procedure (qualifier value)
307154001	R-40FBA	During procedure (qualifier value)
307280005	P0-004BA	Implantation of cardiac pacemaker (procedure)
307429007	R-410C3	After menopause (qualifier value)
307486002	R-4112F	Single event (qualifier value)
307701005	P1-0555A	Abdominal aortic aneurysm stenting (procedure)
308064009	G-0102	History of cerebrovascular disease (situation)
308546005	D3-80016	Dissection of aorta (disorder)
308689002	F-20172	Coin lesion of lung (finding)
308696000	P5-39106	Coarctation angioplasty (procedure)
309050000	G-80A5	Body substance sample (specimen)
309051001	G-80A6	Body fluid sample (specimen)
309058007	G-832D	Breast tru-cut biopsy sample (specimen)
309059004	G-8339	Frozen section breast sample (specimen)
309312004	T-D021B	Cartilage tissue (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
309343006	J-004E8	Physician (occupation)
309390008	J-0050A	Hospital consultant (occupation)
309546004	G-833D	Lumpectomy breast sample (specimen)
309547008	G-833F	Segmentectomy breast sample (specimen)
309548003	G-8346	Breast duct sample (specimen)
309587003	F-8A057	Calcification of breast (finding)
309602000	R-41FFC	Temporal periods relating to feeding and eating (qualifier value)
309606002	R-41FFF	Before menopause (qualifier value)
309649001	R-2073F	On examination - lens (finding)
309825002	R-42018	Spatial and relational concepts (qualifier value)
309901009	R-3023A	Anesthetic department (environment)
309902002	R-3023B	Clinical oncology department (environment)
309903007	R-3023C	Radiotherapy department (environment)
309904001	R-3023D	Intensive care unit (environment)
309907008	R-30240	Cardiac intensive care unit (environment)
309910001	R-30243	Pediatric intensive care unit (environment)
309913004	R-30246	Clinical allergy department (environment)
309914005	R-30247	Audiology department (environment)
309915006	R-30248	Cardiology department (environment)
309918008	R-3024B	Respiratory medicine department (environment)
309923008	R-30250	Dermatology department (environment)
309925001	R-30252	Endocrinology department (environment)
309927009	R-30254	General medical department (environment)
309933000	R-3025A	Care of the elderly department (environment)
309934006	R-3025B	Infectious diseases department (environment)
309935007	R-3025C	Medical ophthalmology department (environment)
309936008	R-3025D	Nephrology department (environment)
309937004	R-3025E	Neurology department (environment)
309938009	R-3025F	Nuclear medicine department (environment)
309939001	R-30260	Palliative care department (environment)
309940004	R-30261	Rehabilitation department (environment)
309941000	R-30262	Rheumatology department (environment)
309942007	R-30263	Obstetrics and gynecology department (environment)
309943002	R-30264	Gynecology department (environment)
309944008	R-30265	Obstetrics department (environment)
309948006	R-30269	Pediatric oncology department (environment)
309949003	R-3026A	Pain management department (environment)
309950003	R-3026B	Pathology department (environment)
309954007	R-3026F	Hematology department (environment)
309956009	R-30270	Medical microbiology department (environment)
309958005	R-30275	Psychiatry department (environment)
309959002	R-30276	Child and adolescent psychiatry department (environment)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
309964003	R-3027B	Radiology department (environment)
309966001	R-3027D	Stroke unit (environment)
309967005	R-3027E	Surgical department (environment)
309968000	R-3027F	Breast surgery department (environment)
309969008	R-30280	Cardiothoracic surgery department (environment)
309970009	R-30281	Thoracic surgery department (environment)
309971008	R-30282	Cardiac surgery department (environment)
309972001	R-30283	Dental surgery department (environment)
309974000	R-30285	Oral surgery department (environment)
309978002	R-30289	Ear, nose and throat department (environment)
309979005	R-3028A	Endocrine surgery department (environment)
309980008	R-3028B	Gastrointestinal surgery department (environment)
309983005	R-3028E	Colorectal surgery department (environment)
309984004	R-3028F	General surgical department (environment)
309985003	R-30290	Hand surgery department (environment)
309989009	R-30294	Orthopedic department (environment)
309991001	R-30296	Pediatric surgical department (environment)
309992008	R-30297	Plastic surgery department (environment)
309993003	R-30298	Surgical transplant department (environment)
309994009	R-30299	Trauma surgery department (environment)
309995005	R-3029A	Urology department (environment)
309996006	R-3029B	Vascular surgery department (environment)
310030000	R-421D4	Endoscopy service (qualifier value)
310076001	R-421EB	Clinical biochemistry service (qualifier value)
310101009	R-42203	Speech and language therapy service (qualifier value)
310105000	R-42207	Optometry service (qualifier value)
310123008	R-42219	Psychology service (qualifier value)
310127009	R-4221D	Magnetic resonance imaging service (qualifier value)
310128004	R-4221E	Computerized tomography service (qualifier value)
310158005	R-4223B	Hepatobiliary surgical service (qualifier value)
310159002	R-4223C	Neurosurgical service (qualifier value)
310169008	R-42246	Ultrasonography service (qualifier value)
310200001	R-4225D	Cytology service (qualifier value)
310464005	R-302A2	Physiotherapy department (environment)
310651003	T-D078C	Bone structure of proximal femur (body structure)
310652005	T-D078D	Bone structure of distal femur (body structure)
310787001	T-D03C3	Structure of lung and/or mediastinum (body structure)
310805002	C-2282E	Sudan black stain (substance)
311731000	F-616D8	Paraffin wax (substance)
312004007	R-42E61	Retrograde direction (qualifier value)
312064005	C-50309	Hypoglycemic agent (product)
312288001	T-D000F	Vascular graft (morphologic abnormality)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
312500006	T-C4003	Regional lymph node structure (body structure)
312501005	T-C4004	Structure of lymph node of head and neck (body structure)
312502003	T-D200A	Lymph node structure of trunk (body structure)
312503008	T-C4005	Lymph node structure of limb (body structure)
312522004	T-35008	Common (non-mitral, non-tricuspid) atrioventricular valve structure (body structure)
312535008	T-20101	Pharynx and/or larynx structures (body structure)
312779009	T-D006D	Bone structure of head and/or neck (body structure)
312965008	P0-0526F	Laser assisted in situ keratomileusis (procedure)
313376005	R-207AD	No family history: breast carcinoma (situation)
313386006	F-029D4	Patient in remission (finding)
314116003	D3-13014	Post infarct angina (disorder)
314186008	D3-83602	Inflammatory abdominal aortic aneurysm (disorder)
314348007	R-20839	On examination - poor visual fixation (finding)
314439003	F-00E11	Maximum systolic blood pressure (observable entity)
314440001	F-00E14	Average systolic blood pressure (observable entity)
314451001	F-00E1F	Minimum diastolic blood pressure (observable entity)
314452008	F-00E21	Maximum diastolic blood pressure (observable entity)
314453003	F-00E22	Average diastolic blood pressure (observable entity)
314730000	T-C4414	Lymph node of stomach (body structure)
314736006	T-C463E	Female genital lymph node (body structure)
314796009	T-127A7	Malleolar structure of tibia (body structure)
314900004	C-2282D	Sudan stain (substance)
317665004	T-1153E	Structure of superior articular process of vertebra (body structure)
317766009	T-1153F	Structure of inferior articular process of vertebra (body structure)
320917000	C-6A102	Oxygen gas (product)
330888007	C-B0295	Rose bengal product (product)
333111009	R-F748A	Permethrin stain (substance)
337915000	L-85003	Homo sapiens (organism)
339648008	A-10DBC	Colostomy bag (physical object)
341036005	A-120DD	Colostomy set (physical object)
342706005	A-1009E	Ileostomy set (physical object)
344088002	A-105E3	Urostomy bag (physical object)
344575009	A-10703	Urostomy set (physical object)
344994008	P2-35002	Intraventricular pacing (procedure)
346322006	C-80609	Anion exchange resin (product)
346441008	C-8060A	Fish oils (product)
346553009	C-80477	Lidocaine+prilocaine (product)
346607007	R-F2989	Papaverine (substance)
347379006	C-70434	Lactated Ringer's solution (product)
349947003	C-677B9	Ophthalmic form atropine (product)
349955005	C-51071	H1 antihistamine (product)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
350086004	C-B02CC	Fluorescein product (product)
353842007	C-B1130	Thallium-201 (product)
353903006	C-B0382	Iopromide (product)
353912008	C-B038B	Iothalamate (product)
353962003	C-B03BC	Iodixanol (product)
354064008	C-B02C5	Methylene blue product (product)
354088005	C-B03C3	Gadodiamide (product)
354094002	C-B03C9	Metrizoate (product)
360038009	P0-021D6	Gluing - action (qualifier value)
360066001	A-11FCD	Left ventricular assist device (physical object)
360129009	A-040CB	Cardiac pacemaker lead (physical object)
360156006	R-42453	Screening - procedure intent (qualifier value)
360271000	P0-021FD	Prophylaxis - procedure intent (qualifier value)
360465008	D3-2906A	Idiopathic hypertrophic subaortic stenosis (disorder)
360481003	D4-31303	Common atrioventricular canal (disorder)
360568007	T-D07EA	Corticospinal tract in brainstem (body structure)
360592004	T-48081	Systemic venous structure (body structure)
360955006	T-2300C	Region of nasopharynx (body structure)
360992006	T-C4601	Vesicular lymph node (body structure)
360993001	T-C4602	Lacunar lymph node (body structure)
361078006	T-AB959	Area of internal auditory canal (body structure)
361097006	T-40003	Entire blood vessel (body structure)
362072009	T-4940B	Saphenous vein structure (body structure)
363537007	T-28812	Structure of extrapulmonary lymph node of lung (body structure)
363563002	M-300F2	Entrapment (morphologic abnormality)
363589002	G-C2D0	Associated procedure (attribute)
363654007	T-D14AE	Structure of orbit proper (body structure)
363675004	R-40641	Intents (nature of procedure values) (qualifier value)
363676003	R-40642	Palliative - procedure intent (qualifier value)
363679005	P0-0099A	Imaging (procedure)
363698007	G-C0E3	Finding site (attribute)
363703001	G-C0E8	Has intent (attribute)
363704007	G-C0E9	Procedure site (attribute)
363713009	G-C0F2	Has interpretation (attribute)
363871006	F-04317	Mental state (observable entity)
364062005	F-043E6	Respiration observable (observable entity)
364091008	F-04403	Aortic root feature (observable entity)
364092001	F-04404	Coronary artery feature (observable entity)
364320009	F-0452A	Pregnancy observable (observable entity)
364393001	F-045CE	Nutritional observable (observable entity)
364528001	F-046D8	Skin observable (observable entity)
364644000	F-047E7	Functional observable (observable entity)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
365416000	F-38035	Finding of electrocardiogram ST segment (finding)
365853002	F-01969	Imaging finding (finding)
365981007	F-93109	Finding of tobacco smoking behavior (finding)
366188009	F-30117	Finding of left ventricular function (finding)
367336001	P0-0058E	Chemotherapy (procedure)
367450005	R-4235F	Short (qualifier value)
367567000	T-D03B4	Structure of umbilical vein (body structure)
367624001	T-F680F	Structure of ductus venosus (body structure)
367643001	M-3340A	Cyst (morphologic abnormality)
368479001	T-49217	Structure of superficial palmar venous arch (body structure)
368481004	T-49218	Structure of deep palmar venous arch (body structure)
368536000	T-18774	Structure of axillary fascia (body structure)
368550005	T-C4752	Structure of paramammary lymph node (body structure)
369790002	G-F616	Nottingham Combined Grade I: 3-5 points (finding)
369791003	G-F617	Nottingham Combined Grade II: 6-7 points (finding)
369792005	G-F618	Nottingham Combined Grade III: 8-9 points (finding)
369991007	G-F749	N3: Metastasis to ipsilateral internal mammary lymph node(s) (finding)
370129005	G-C036	Measurement method (attribute)
370359005	F-38095	Electrocardiogram equivocal (finding)
370367002	F-201B6	Exercise tolerance test equivocal (finding)
370388006	F-00D5F	Patient immunocompromised (finding)
370512004	DD-661D2	Migration of implant or internal device (disorder)
370951003	F-02087	Piggyback intraocular lens (finding)
371013005	T-C430A	Cardiophrenic angle lymph node (body structure)
371036001	D7-76202	Postsurgical menopause (disorder)
371195002	T-D0821	Bone structure of upper limb (body structure)
371240000	G-A11A	Red color (qualifier value)
371244009	G-A11D	Yellow color (qualifier value)
371246006	G-A11E	Green color (qualifier value)
371251000	G-A12B	White color (qualifier value)
371252007	G-A12C	Black color (qualifier value)
371253002	G-A12D	Gray color (qualifier value)
371254008	G-A12E	Brown color (qualifier value)
371398005	T-D0801	Eye region structure (body structure)
371422002	G-0338	History of substance abuse (situation)
371439000	R-00254	Specimen type (observable entity)
371469007	R-00258	Histologic grade (observable entity)
371524004	R-42B89	Clinical report (record artifact)
371564000	L-877FB	Genus Rattus (organism)
371565004	L-877FC	Rattus norvegicus (organism)
371572003	P0-006F1	Nuclear medicine procedure (procedure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
371785003	R-002CC	Ambu bag (physical object)
371786002	R-00359	Pressure support ventilator (physical object)
371787006	R-0038C	Volume support ventilator (physical object)
371788001	R-00310	Intracoronary Doppler guide wire (physical object)
371789009	R-00311	Intracoronary pressure guide wire (physical object)
371790000	R-00303	External counter-pulsation circulatory support device (physical object)
371791001	R-00361	Radiofrequency ablation device (physical object)
371794009	R-002F0	Cutting balloon angioplasty device (physical object)
371795005	R-00312	Intravascular ultrasound device (physical object)
371796006	R-002FD	Directional coronary atherectomy device (physical object)
371797002	R-0036F	Saline thrombectomy device (physical object)
371798007	R-00306	Fluid filled catheter (physical object)
371799004	R-0030A	Hall catheter (physical object)
371800000	R-00379	Thermistor catheter (physical object)
371801001	R-00304	Fiberoptic catheter (physical object)
371802008	R-00383	Tip manometer (physical object)
371803003	R-00334	Multi vessel coronary artery disease (disorder)
371804009	R-00313	Left main coronary artery disease (disorder)
371805005	R-00372	Significant coronary bypass graft disease (disorder)
371807002	R-0038F	Atypical angina (disorder)
371808007	R-00368	Recurrent angina status post percutaneous transluminal coronary angioplasty (disorder)
371809004	R-00366	Recurrent angina status post coronary stent placement (disorder)
371810009	R-00365	Recurrent angina status post coronary artery bypass graft (disorder)
371811008	R-00369	Recurrent angina status post rotational atherectomy (disorder)
371812001	R-00367	Recurrent angina status post directional coronary atherectomy (disorder)
371813006	R-002C8	Acute mitral regurgitation from chordal rupture (disorder)
371814000	R-002C7	Acute mitral regurgitation from chordal dysfunction (disorder)
371815004	R-002C9	Acute mitral regurgitation from papillary muscle dysfunction (disorder)
371816003	R-002CA	Acute mitral regurgitation from papillary muscle rupture (disorder)
371817007	R-002CB	Acute ventricular septal rupture (disorder)
371824008	R-00336	Myocardial ischemia manifest on stress test status post myocardial infarction (finding)
371829003	R-00360	Pulmonary vein wedge pressure (observable entity)
371835003	R-00308	Fractional flow reserve using intracoronary bolus (observable entity)
371837006	R-0032D	Mitral valve flow (observable entity)
371838001	R-002E5	Cardiac output measurement by thermal bath method (procedure)
371839009	R-00394	Derived flow, non-valve (observable entity)
371840006	R-00385	Tricuspid valve flow (observable entity)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
371841005	R-00309	Fractional flow reserve using intravenous infusion (observable entity)
371842003	R-00307	Fractional flow reserve (observable entity)
371843008	R-002E7	Cardiac output measurement by thermal inline method (procedure)
371845001	R-002D3	Aortic valve flow (observable entity)
371846000	R-0035D	Pulmonary valve flow (observable entity)
371847009	R-003A9	Tricuspid diastolic filling period (observable entity)
371848004	R-0035C	Pulmonary systolic ejection period (observable entity)
371849007	R-0032C	Mitral diastolic filling period (observable entity)
371850007	R-002D2	Aortic systolic ejection period (observable entity)
371851006	R-002D0	Angioplasty inflation pressure (observable entity)
371852004	R-002CF	Angioplasty inflation duration (observable entity)
371853009	R-002F5	Derived period, non-valve (observable entity)
371854003	R-0036C	Rotational atherectomy speed (observable entity)
371855002	R-00398	Hyperkinetic ventricular wall (finding)
371856001	R-0033F	Normal left heart hemodynamics (finding)
371857005	R-00340	Normal left ventricular systolic function and wall motion (finding)
371858000	R-0033E	Normal left and right heart hemodynamics (finding)
371859008	R-00342	Normal right heart hemodynamics (finding)
371860003	R-0033D	Normal coronary arteries (finding)
371861004	R-00328	Mild intimal coronary irregularities without significant stenoses (finding)
371862006	R-002F3	Depression of left ventricular systolic function (finding)
371863001	R-0039F	Perfusion finding (finding)
371864007	R-00381	Thrombolysis in Myocardial Infarction grade 2: partial perfusion (finding)
371865008	R-00382	Thrombolysis in Myocardial Infarction grade 3: complete perfusion (finding)
371866009	R-0037F	Thrombolysis in Myocardial Infarction grade 1: penetration without perfusion (finding)
371867000	R-0037E	Thrombolysis in Myocardial Infarction grade 0: no perfusion (finding)
371868005	R-00327	Mild hypokinesis of cardiac wall (finding)
371869002	R-0032F	Moderate hypokinesis of cardiac wall (finding)
371870001	R-00370	Severe hypokinesis of cardiac wall (finding)
371871002	R-00373	Single beats - numeric estimation technique (qualifier value)
371872009	R-003A1	Post stenotic dilation (finding)
371873004	R-00314	Luminal irregularities of coronary artery (finding)
371874005	R-002E3	Cardiac catheterization gradient assessment phase (qualifier value)
371875006	R-002FB	Device withdrawn and / or removed (finding)
371876007	R-002F7	Device at site of interest (finding)
371877003	R-002F8	Device inserted into sheath (finding)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
371879000	R-002C4	Abnormally high (qualifier value)
371880002	R-002C5	Abnormally low (qualifier value)
371883000	R-00348	Outpatient procedure (procedure)
371884006	R-00363	Range of measurement uncertainty (qualifier value)
371885007	R-00362	Range of lower measurement uncertainty (qualifier value)
371886008	R-00364	Range of upper measurement uncertainty (qualifier value)
371887004	R-00338	Ninetieth percentile (qualifier value)
371888009	R-00397	Fifth percentile (qualifier value)
371889001	R-00337	Ninety-fifth percentile (qualifier value)
371890005	R-00377	Tenth percentile (qualifier value)
371892002	R-002F2	Delivered radiation dose (observable entity)
371893007	R-0036B	Restenotic lesion of coronary artery (finding)
371894001	R-002E2	Bifurcation lesion of coronary artery (disorder)
371895000	R-002EF	Culprit lesion of coronary artery (finding)
371896004	R-0037C	Thrombolytic agent administered less than 3 hours before percutaneous coronary intervention (situation)
371897008	R-0037A	Thrombolytic agent administered between 3 and 6 hours before percutaneous coronary intervention (situation)
371898003	R-0031B	Medication administered before lab visit (situation)
371899006	R-0031A	Medication administered after lab visit (situation)
371900001	R-00320	Medication not administered (situation)
371901002	R-0031E	Medication administered less than 72 hours before percutaneous coronary intervention (situation)
371902009	R-00399	Medication administered after percutaneous coronary intervention (situation)
371903004	R-0039A	Medication administered during percutaneous coronary intervention (situation)
371904005	R-0031F	Medication administered prior to percutaneous coronary intervention (situation)
371905006	R-0031C	Medication administered during lab visit (situation)
371906007	R-0037B	Thrombolytic agent administered between 6 hours and 7 days before percutaneous coronary intervention (situation)
371907003	R-0034A	Oxygen administration by nasal cannula (procedure)
371908008	R-00349	Oxygen administration by mask (procedure)
371909000	R-00315	Magnet induced pacing (procedure)
371910005	R-002D9	Atrioventricular sequential pacing (procedure)
371911009	R-00318	Measurement of blood pressure using cuff method (procedure)
371912002	R-002E1	Best value - numeric estimation technique (qualifier value)
371913007	R-00355	Point source - numeric estimation technique (qualifier value)
371914001	R-00353	Peak to peak - numeric estimation technique (qualifier value)
371915000	R-002FC	Diffuse disease of coronary artery (finding)
371916004	R-0036A	Representative - numeric estimation technique (qualifier value)
371917008	R-00346	One standard deviation above mean (qualifier value)
371918003	R-00388	Two standard deviations below mean (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
371919006	R-00347	One standard deviation below mean (qualifier value)
371920000	R-00387	Two standard deviations above mean (qualifier value)
371922008	R-00335	Multiple irregularities (qualifier value)
371923003	R-00329	Mild to moderate (qualifier value)
371924009	R-00330	Moderate to severe (qualifier value)
371925005	R-00333	Most significant (qualifier value)
371926006	R-0030C	Highly significant (qualifier value)
371928007	R-00345	Not significant (qualifier value)
371931008	R-002E9	Combined diagnostic and therapeutic (procedure)
371933006	R-0038B	Upper limit of reference range (qualifier value)
371934000	R-0039B	Normality undetermined (qualifier value)
371951007	R-003AA	Vena anonyma (body structure)
371952000	R-00376	Systemic arterial blood (substance)
371953005	R-0035B	Pulmonary artery blood (substance)
371954004	R-0035E	Pulmonary vein blood (substance)
372073000	T-A010F	Cerebral hemisphere structure (body structure)
372074006	T-14122	Skeletal muscle structure of chest wall (body structure)
372242005	T-AA092	Vitreous body part (body structure)
372249001	R-00274	Tumor margin status (observable entity)
372276001	R-00288	Nottingham Combined Grade (observable entity)
372460008	G-D173	Intracardiac route (qualifier value)
372463005	G-D17C	Intracoronary route (qualifier value)
372464004	G-D17D	Intradermal route (qualifier value)
372480009	C-00211	Macrolide (class of antibiotic, substance) (substance)
372578001	F-616E7	Plasma expander (substance)
372580007	F-616EB	Bronchodilator (substance)
372602008	F-616FE	Metronidazole (substance)
372614000	F-6171D	Sedative (substance)
372656001	F-6188F	Opiate antagonist (substance)
372664007	R-F2B1D	Benzodiazepine (substance)
372665008	F-61898	Non-steroidal anti-inflammatory agent (substance)
372666009	F-61899	Skeletal muscle relaxant (substance)
372677003	C-0023B	Lincomycin (substance)
372681003	F-618A5	Hemostatic agent (substance)
372693007	F-618AE	Class IV antiarrhythmic agent (substance)
372695000	F-618AF	Diuretic (substance)
372703009	R-F2B1F	Pentobarbital (substance)
372708000	F-618BA	Anti-heparin agent (substance)
372722000	C-0024C	Quinolone -class of antibiotic- (substance)
372724004	F-61916	Succinylcholine (substance)
372735009	C-0024E	Vancomycin (substance)
372787008	F-61957	Vasodilator (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
372788003	C-00257	Sulfonamide -class of antibiotic- (substance)
372790002	F-61959	Nondepolarizing agent (substance)
372798009	R-F2B23	Barbiturate (substance)
372806008	F-61969	Antihistamine (substance)
372813008	F-6196E	Antiarrhythmic agent (substance)
372855004	F-61995	Class III antiarrhythmic agent (substance)
372862008	F-6199A	Anticoagulant (substance)
372881000	F-619AA	Vasoconstrictor (substance)
372901004	R-F2B27	Butabarbital (substance)
372906009	F-619EF	Benzodiazepine antagonist (substance)
373061006	R-002F6	Device applied to patient (finding)
373062004	R-002FA	Device used (finding)
373066001	R-0038D	Yes (qualifier value)
373067005	R-00339	No (qualifier value)
373068000	R-0038A	Undetermined (qualifier value)
373095005	R-002ED	Coronary artery fistula to right atrium (disorder)
373098007	R-00317	Mean - numeric estimation technique (qualifier value)
373099004	R-00319	Median - numeric estimation technique (qualifier value)
373100007	R-0032E	Mode - numeric estimation technique (qualifier value)
373102004	R-003AC	Specimen from breast obtained by image guided core biopsy (specimen)
373104003	R-002E6	Cardiac output measurement by thermal dye dilution method (procedure)
373105002	R-002E4	Cardiac catheterization test/challenge phase (qualifier value)
373108000	R-00357	Post percutaneous transluminal coronary angioplasty (finding)
373110003	R-00300	Emergency procedure (procedure)
373111004	R-0035A	Procedure in coronary care unit (procedure)
373112006	R-00302	Evaluation of murmur (procedure)
373113001	R-0036E	Routine procedure (procedure)
373115008	R-0036D	Routine - numeric estimation technique (qualifier value)
373116009	D3-29096	Acute mitral regurgitation (disorder)
373121007	R-00378	Test not done (qualifier value)
373122000	R-00344	Normal ventricular wall motion (finding)
373123005	R-0030D	Hyperkinesis of region of cardiac wall (finding)
373124004	R-00343	Normal size cardiac chamber (finding)
373125003	R-002C6	Abnormally small cardiac chamber (finding)
373126002	R-0032A	Mildly enlarged cardiac chamber (finding)
373127006	R-00331	Moderately enlarged cardiac chamber (finding)
373128001	R-00316	Markedly enlarged cardiac chamber (finding)
373129009	R-00341	Normal overall cardiac contractility (finding)
373131000	R-0033B	Non-restrictive ventricular septal defect (disorder)
373132007	R-0033C	Normal aortic root (finding)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
373133002	R-00301	Enlarged aortic root (finding)
373134008	R-002CD	Aneurysm of aortic root (finding)
373135009	R-002D1	Annular abscess of aortic root (disorder)
373136005	R-0030B	Heart valve calcification (finding)
373137001	R-0030F	Immobile heart valve (finding)
373138006	R-00389	Ulcerated lesion of coronary artery (finding)
373140001	R-0033A	No thrombus (situation)
373141002	R-00356	Possible thrombus (situation)
373142009	R-002F1	Definite thrombus (situation)
373143004	R-00371	Severe thrombus (finding)
373147003	R-00321	Administration of medication not done due to contraindication (situation)
373148008	R-0037D	Thrombolytic agent not administered because contraindicated (situation)
373150000	R-003CA	pNX: Regional lymph nodes cannot be assessed (e.g., previously removed, or not removed for pathologic study) (breast) (finding)
373151001	R-003CB	pN0: No regional lymph node metastasis histologically (i.e., none greater than 0.2 mm), no additional examination for isolated tumor cells (breast) (finding)
373156006	R-003D0	pN1: Metastasis in 1 to 3 axillary lymph nodes, and/or in internal mammary nodes with microscopic disease detected by sentinel lymph node dissection but not clinically apparent (breast) (finding)
373162001	R-003D6	pN2: Metastasis in 4 to 9 axillary lymph nodes, or in clinically apparent internal mammary lymph nodes in the absence of axillary lymph node metastasis (breast) (finding)
373163006	R-003D7	pN2a: Metastasis in 4 to 9 axillary lymph nodes (at least one tumor deposit greater than 2.0 mm) (breast) (finding)
373164000	R-003D8	pN2b: Metastasis in clinically apparent internal mammary lymph nodes in the absence of axillary lymph node metastasis (breast) (finding)
373165004	R-003D9	pN3a: Metastasis in 10 or more axillary lymph nodes (at least one tumor deposit greater than 2.0 mm), or metastasis to infraclavicular lymph nodes (breast) (finding)
373166003	R-003DB	pN3c: Metastasis in ipsilateral supraclavicular lymph nodes (breast) (finding)
373167007	R-003DA	pN3b: Tumor of breast with metastasis as per American Joint Committee on Cancer 6th Edition definition (breast) (finding)
373169005	R-003DD	pM0: No distant metastasis (breast) (finding)
373170006	R-003DC	pMX: Distant metastasis cannot be assessed (breast) (finding)
373171005	R-003DE	pM1: Distant metastasis (breast) (finding)
373172003	R-003BA	pT1: Tumor 2 cm or less in greatest dimension (breast) (finding)
373173008	R-003B8	pTX: Primary tumor cannot be assessed (breast) (finding)
373174002	R-003B9	pT0: No evidence of primary tumor (breast) (finding)
373175001	R-003BB	pTis: Carcinoma in situ (breast) (finding)
373176000	R-003BC	pTis: Ductal carcinoma in situ (breast) (finding)
373177009	R-003BD	pTis: Lobular carcinoma in situ (breast) (finding)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
373178004	R-003BE	pTis: Paget disease without invasive carcinoma (breast) (finding)
373179007	R-003BF	pT1mic: Microinvasion 0.1 cm or less in greatest dimension (breast) (finding)
373180005	R-003C0	pT1a: Tumor more than 0.1 cm but not more than 0.5 cm in greatest dimension (breast) (finding)
373182002	R-003C3	pT2: Tumor more than 2 cm but not more than 5 cm in greatest dimension (breast) (finding)
373183007	R-003C2	pT1c: Tumor more than 1 cm but not more than 2 cm in greatest dimension (breast) (finding)
373184001	R-003C4	pT3: Tumor more than 5 cm in greatest dimension (breast) (finding)
373185000	R-003C5	pT4: Tumor of any size with direct extension to chest wall or skin (breast) (finding)
373186004	R-003C6	pT4a: Tumor of any size with extension to chest wall, not including pectoralis muscle (breast) (finding)
373187008	R-003C7	pT4b: Tumor of any size with edema (including peau d'orange) or ulceration of the skin of the breast or satellite skin nodules confined to the same breast (breast) (finding)
373189006	R-003C8	pT4c: Tumor of any size with direct extension to chest wall (not including pectoralis muscle) and edema (including peau d'orange) or ulceration of the skin of the breast or satellite skin nodules confined to the same breast (finding)
373190002	R-003C9	pT4d: Inflammatory carcinoma (breast) (finding)
373197004	R-00286	Polyp size, largest dimension (observable entity)
373204007	R-003C1	pT1b: Tumor more than 0.5 cm but not more than 1 cm in greatest dimension (breast) (finding)
373206009	C-00216	Tetracycline (class of antibiotic, substance) (substance)
373219008	F-617EF	Antifungal (substance)
373246003	F-6180B	Anticholinergic agent (substance)
373250005	F-6180F	Depolarizing agent (substance)
373254001	F-61814	beta-Blocking agent (substance)
373260001	F-6181B	Class I antiarrhythmic agent (substance)
373262009	C-0021C	Cephalosporin -class of antibiotic- (substance)
373263004	F-6181D	Cardiac adrenergic blocking agent (substance)
373265006	F-6181F	Analgesic (substance)
373270004	C-0021D	Penicillin -class of antibiotic- (substance)
373278006	F-61861	Class II antiarrhythmic agent (substance)
373288007	F-6186A	General anesthetic (substance)
373294004	F-6186F	Low molecular weight heparin (substance)
373297006	C-00231	Beta-lactam antibiotic (substance)
373304005	F-61878	Calcium channel blocker (substance)
373337007	F-618FE	Methylphenidate (substance)
373372005	F-02900	Histological grade finding (finding)
373464007	F-6182F	Ketamine (substance)
373476007	F-6183C	Midazolam (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
373477003	F-6183D	Local anesthetic (substance)
373488009	F-61848	Methohexital (substance)
373529000	F-618D7	Morphine (substance)
373530005	F-618D8	Caloric agent (substance)
373646006	F-61968	Giemsa stain (substance)
373682001	F-619B7	Wright stain (substance)
373738000	F-61639	Pancuronium (substance)
373780001	F-6169A	Mescaline (substance)
373808002	R-41560	Curative - procedure intent (qualifier value)
373825000	R-408F2	Staging - procedure intent (qualifier value)
373846009	R-41561	Adjuvant - intent (qualifier value)
373847000	R-41562	Neo-adjuvant - intent (qualifier value)
373933003	R-424BE	Acute onset (qualifier value)
373945007	D3-90008	Pericardial effusion (disorder)
384668003	F-02B9B	Nottingham Combined Grade cannot be determined (finding)
384692006	P5-C018A	Intracavitary brachytherapy (procedure)
385294005	T-61007	Salivary gland structure (body structure)
385356007	R-00443	Tumor stage finding (finding)
385380006	R-00461	Metastasis category finding (finding)
385382003	R-00463	Node category finding (finding)
385385001	R-00465	pT category finding (finding)
385420005	F-61D54	Contrast media (substance)
385474004	L-8B946	Bos taurus taurus subspecies domestic European cattle (organism)
385484003	C-22830	Gram stain (substance)
385524004	R-41F90	Lower limit of reference range (qualifier value)
385651009	G-D30B	In progress (qualifier value)
385655000	G-D30F	Suspended (qualifier value)
385656004	G-D316	Ended (qualifier value)
385673002	G-D217	Interval (qualifier value)
386053000	P0-009B4	Evaluation procedure (procedure)
386103008	T-D048E	Renal stone (substance)
386124003	R-10041	Transseptal catheter (physical object)
386125002	R-10042	Device crossed septum (finding)
386131004	R-10043	Ablation power (observable entity)
386132006	R-10044	Ablation frequency (observable entity)
386134007	R-10045	Significant (qualifier value)
386135008	R-10046	Significance undetermined (qualifier value)
386136009	R-10047	Standard deviation (qualifier value)
386137000	R-10048	Tortuous coronary artery (finding)
386138005	R-10049	Stented coronary artery (finding)
386139002	R-10050	Stenotic coronary artery (finding)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
386140000	R-10051	Ectatic coronary artery (finding)
386509000	P0-0409B	Airway management (procedure)
386530009	F-02B35	Systemic vascular resistance (observable entity)
386616007	F-201BD	Shallow breathing (finding)
386661006	F-0A44A	Fever (finding)
386693003	C-68165	Ophthalmic phenylephrine (product)
386760001	P1-C0037	Topical local anesthetic (procedure)
386761002	P1-C0038	Local anesthesia (procedure)
386802000	P0-05CCA	Endometrial biopsy (procedure)
386839004	F-61AC5	Remifentanil (substance)
386841003	F-61AC9	Desflurane (substance)
386842005	F-61ACA	Sevoflurane (substance)
386910003	F-61B21	Anastrozole (substance)
387056004	C-00286	Linezolid (substance)
387085005	F-61C76	Cocaine (substance)
387146001	F-61A26	Droperidol (substance)
387150008	F-61A28	Bupivacaine (substance)
387176008	F-61A3F	Enflurane (substance)
387218008	F-61A66	Etomidate (substance)
387239001	F-61A76	Gentian violet (substance)
387258005	F-61A7F	Chlorpromazine (substance)
387264003	R-F2B2C	Diazepam (substance)
387286002	F-61A95	Methadone (substance)
387341002	F-61AC4	Heroin (substance)
387351001	F-61AFE	Halothane (substance)
387362001	F-B2135	Epinephrine (substance)
387368002	F-61B0A	Isoflurane (substance)
387423006	F-61B48	Propofol (substance)
387448009	F-61BB2	Thiopental sodium (substance)
387480006	F-61BD0	Lidocaine (substance)
387560008	F-61C65	Alfentanil (substance)
387713003	P0-009C3	Surgical procedure (procedure)
387736007	P1-48145	Fine needle aspiration of breast (procedure)
388168008	L-8BA18	Genus Bos (organism)
388249000	L-8C3FB	Genus Capra (organism)
388254009	L-8C3FD	Genus Ovis (organism)
388393002	L-8B1FB	Genus Sus (organism)
388445009	L-000A9	Genus Equus (organism)
388490000	L-881FC	Genus Canis (organism)
388626009	L-000F9	Genus Felis (organism)
389080008	T-A0095	White matter structure of brain and spinal cord (body structure)
389081007	T-A0096	Gray matter structure of central nervous system (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
389156006	A-00FAD	Goniolens (physical object)
392001008	A-00E8A	Scanning laser ophthalmoscope (physical object)
392004000	A-00E8B	Confocal scanning laser ophthalmoscope (physical object)
392007007	A-00E8C	Scanning laser polarimeter (physical object)
392012008	A-00FBE	Optical coherence tomography scanner (physical object)
392021009	P1-030C4	Lumpectomy of breast (procedure)
394774009	R-42501	Active problem (qualifier value)
394775005	R-42502	Inactive problem (qualifier value)
395112001	F-00F4E	Cardiovascular event risk (finding)
395511002	R-0045B	Polyp stalk length (observable entity)
395742005	C-14512	Indium chloride[111In] (substance)
395787009	C-B110E	Metaiodobenzylguanidine[123I] (substance)
395789007	C-B112D	Metaiodobenzylguanidine[131I] (substance)
395865006	C-11906	Rhenium[186Re] (substance)
396339007	M-35001	Thrombus (morphologic abnormality)
396345004	C-002B1	Carbapenem (substance)
396482007	R-10075	Left ventricle basal anteroseptal segment (body structure)
396487001	P1-65359	Sentinel lymph node biopsy (procedure)
396488006	L-80453	Ariégeois pony breed (organism)
396505009	L-80A45	Oregon rex cat breed (organism)
396646008	R-10076	Left ventricle basal inferoseptal segment (body structure)
396647004	R-10077	Left ventricle mid anteroseptal segment (body structure)
396649001	R-10078	Left ventricle mid inferoseptal segment (body structure)
396652009	R-10079	Left ventricle basal inferolateral segment (body structure)
396654005	R-1007A	Left ventricle basal anterolateral segment (body structure)
396655006	R-1007B	Left ventricle mid inferolateral segment (body structure)
396656007	R-1007C	Left ventricle mid anterolateral segment (body structure)
397138000	F-037BB	Mammography assessment (Category 0) - Need additional imaging evaluation (finding)
397140005	F-037BC	Mammography assessment (Category 1) - Negative (finding)
397141009	F-037BD	Mammography assessment (Category 2) - Benign finding (finding)
397143007	F-037BF	Mammography assessment (Category 3) - Probably benign finding, short interval follow-up (finding)
397144001	F-037C0	Mammography assessment (Category 4) - Suspicious abnormality, biopsy should be considered (finding)
397145000	F-037C1	Mammography assessment (Category 5) - Highly suggestive of malignancy (finding)
397199005	G-8430	Specimen from breast obtained by excision (specimen)
397247004	A-2B201	Slit lamp biomicroscope (physical object)
397263007	F-048FA	A-constant of intraocular lens (observable entity)
397363009	G-035B	Common femoral vein structure (body structure)
397364003	G-035A	Superficial femoral vein structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
397405001	G-035C	Hilar renal artery (body structure)
397406000	G-035D	Collateral branch of vessel (qualifier value)
397407009	G-035E	Structure of first lumbar artery (body structure)
397408004	G-035F	Structure of second lumbar artery (body structure)
397409007	G-0360	Structure of third lumbar artery (body structure)
397410002	G-0361	Structure of fourth lumbar artery (body structure)
397411003	G-0362	Structure of fifth lumbar artery (body structure)
397412005	G-0363	Structure of sixth lumbar artery (body structure)
397413000	G-0364	Vessel lumen diameter (observable entity)
397414006	G-0365	Vessel outside diameter (observable entity)
397415007	G-0366	Vessel lumen cross-sectional area (observable entity)
397417004	G-0367	Regurgitant flow (observable entity)
397418009	G-0368	Anterior-middle cerebral artery bifurcation (body structure)
397419001	G-0369	Anterior-posterior cerebral artery bifurcation (body structure)
397421006	G-036A	Vessel origin (qualifier value)
397423009	G-036C	Transjugular intrahepatic portosystemic shunt (morphologic abnormality)
397425002	G-036D	Inferior right hepatic vein structure (body structure)
397427005	G-036B	Soleal vein (body structure)
397435008	G-036E	Posterior arch vein (body structure)
397437000	G-036F	Giacomini vein (body structure)
397439002	G-0370	Ileal vein structure (body structure)
397516006	P1-A3835	Photorefractive keratectomy (procedure)
397522002	A-00FCA	Keratoscope (physical object)
397559001	A-040F7	Phakic intraocular lens implant (physical object)
397898000	G-D320	Stop time (qualifier value)
398010007	P1-0558A	Insertion of hip prosthesis (procedure)
398013009	A-1450B	Implantable venous access port (physical object)
398161000	R-305C3	Postoperative anesthesia care unit (environment)
398164008	DF-0070B	Anesthesia finish time (observable entity)
398201009	G-D321	Start time (qualifier value)
398239001	P1-0512E	Monitored anesthesia care sedation (procedure)
398325003	DF-0068E	Anesthesia start time (observable entity)
398665005	F-A558A	Vasovagal syncope (disorder)
398705004	F-61D6F	Cannabis (substance)
398828005	F-61D70	Ophthalmic lubricant (product)
398979000	F-037AB	Pale complexion (finding)
398994001	G-A191	Five chamber view (qualifier value)
398996004	R-1028E	Leonard-George projection (qualifier value)
398998003	G-039C	Right ventricular inflow tract view (qualifier value)
399000008	R-10296	Mayer projection (qualifier value)
399001007	G-5216	Posterior emissive projection (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
399002000	R-10299	Nolke projection (qualifier value)
399003005	R-10281	Hughston projection (qualifier value)
399004004	R-10246	Oblique axial projection (qualifier value)
399005003	R-10298	Miller projection (qualifier value)
399006002	R-10212	Left posterior oblique projection (qualifier value)
399007006	G-037C	Left ventricular peak diastolic tissue velocity during atrial systole (observable entity)
399011000	R-102D1	Axillary tail mammography view (qualifier value)
399012007	G-5220	Medial-lateral emissive projection (qualifier value)
399013002	R-1026D	Chassard-Lapin projection (qualifier value)
399020009	D3-20021	Congestive cardiomyopathy (disorder)
399022001	R-1029F	Pirie projection (qualifier value)
399023006	G-0380	Right ventricular peak systolic pressure (observable entity)
399024000	R-10295	May projection (qualifier value)
399025004	R-10282	Ischerwood projection (qualifier value)
399026003	R-102B1	Zanelli projection (qualifier value)
399027007	G-038F	Cardiovascular orifice diameter (observable entity)
399028002	R-10270	Clements projection (qualifier value)
399030000	G-0374	Left ventricular systolic area (observable entity)
399033003	R-10202	Frontal projection (qualifier value)
399036006	G-039A	Parasternal short axis view at the mitral valve level (qualifier value)
399037002	R-1028F	Lewis projection (qualifier value)
399038007	R-10210	Right posterior oblique projection (qualifier value)
399039004	G-038D	Pulmonary vein D-wave velocity time integral (observable entity)
399048009	G-038A	Main pulmonary artery peak velocity (observable entity)
399051002	G-037E	Left ventricular isovolumic contraction time (observable entity)
399055006	R-102D7	Spot compression of breast (procedure)
399058008	G-0382	Ratio of aortic valve acceleration time to aortic valve ejection time (observable entity)
399059000	R-10216	Postero-anterior oblique projection (qualifier value)
399061009	R-10241	Axial projection (qualifier value)
399062002	G-0386	Ratio of mitral valve acceleration time to mitral valve deceleration time (observable entity)
399063007	G-0377	Left ventricular semi-major axis diastolic dimension (observable entity)
399064001	G-03A2	2D mode ultrasound (qualifier value)
399065000	R-1026B	Causton projection (qualifier value)
399067008	R-102CD	Lateral projection (qualifier value)
399070007	G-038B	Pulmonary vein A-wave duration (observable entity)
399071006	R-102C3	Plantodorsal projection (qualifier value)
399073009	R-10276	Fuchs projection (qualifier value)
399074003	G-5207	Left anterior oblique emissive projection (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
399075002	G-5208	Right posterior oblique emissive projection (qualifier value)
399080006	R-10288	Kuchendorf projection (qualifier value)
399082003	R-10277	Gaynor-Hart projection (qualifier value)
399083008	R-10280	Hsieh projection (qualifier value)
399086000	G-0392	Lateral mitral annulus structure (body structure)
399089007	G-5210	Oblique axial emissive projection (qualifier value)
399093001	G-0391	Medial mitral annulus structure (body structure)
399097000	P1-0512A	Administration of anesthesia (procedure)
399098005	R-102A3	Staunig projection (qualifier value)
399099002	R-10230	Latero-medial oblique projection (qualifier value)
399101009	R-1024B	Cranio-caudal projection exaggerated medially (qualifier value)
399103007	R-10275	Friedman projection (qualifier value)
399104001	G-0387	Mitral valve closure to opening time (observable entity)
399106004	G-03A0	Suprasternal long axis view (qualifier value)
399108003	G-5206	Right anterior oblique emissive projection (qualifier value)
399109006	G-0375	Left ventricular diastolic area (observable entity)
399110001	R-102C2	Tangential projection (qualifier value)
399118008	G-5223	Left lateral emissive projection (qualifier value)
399125001	R-102AC	Twining projection (qualifier value)
399127009	R-102A9	Teufel projection (qualifier value)
399129007	R-1027D	Holly projection (qualifier value)
399130002	R-102AF	West Point projection (qualifier value)
399132005	R-10252	Frontal-oblique axial projection (qualifier value)
399133000	G-037A	Left ventricular peak early diastolic tissue velocity (observable entity)
399135007	R-10220	Left anterior oblique projection (qualifier value)
399136008	G-5209	Left posterior oblique emissive projection (qualifier value)
399138009	R-1029E	Penner projection (qualifier value)
399139001	G-0396	Parasternal long axis view (qualifier value)
399140004	G-037B	Ratio of mitral valve peak velocity to left ventricular peak tissue velocity e-wave (observable entity)
399142007	R-10261	Albers-Schönberg projection (qualifier value)
399145009	G-03A1	Suprasternal short axis view (qualifier value)
399146005	R-10279	Grashey projection (qualifier value)
399148006	R-1026C	Chamberlain projection (qualifier value)
399152006	R-10284	Kandel projection (qualifier value)
399154007	G-0381	Right ventricular index of myocardial performance (observable entity)
399155008	G-0394	M-mode ultrasound (qualifier value)
399156009	R-1028A	Laquerriere-Pierquin projection (qualifier value)
399157000	R-1029A	Norgaard's projection (qualifier value)
399159002	G-5225	Latero-medial oblique emissive projection (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
399160007	R-10204	Frontal oblique projection (qualifier value)
399161006	R-102D2	Cleavage mammography view (qualifier value)
399162004	R-10242	Cranio-caudal projection (qualifier value)
399163009	R-102D6	Magnified projection (qualifier value)
399166001	R-4099D	Fatal (qualifier value)
399167005	G-037D	Left ventricular peak systolic tissue velocity (observable entity)
399168000	R-1027F	Hough projection (qualifier value)
399169008	R-1028B	Lauenstein projection (qualifier value)
399171008	R-1029B	Ottonello projection (qualifier value)
399173006	R-10236	Left lateral projection (qualifier value)
399179005	R-1028D	Lawrence projection (qualifier value)
399181007	R-1029C	Pawlow projection (qualifier value)
399182000	R-102C1	Oblique projection (qualifier value)
399184004	R-10238	Left oblique projection (qualifier value)
399188001	R-102D0	Superolateral to inferomedial oblique projection (qualifier value)
399192008	R-1024A	Cranio-caudal projection exaggerated laterally (qualifier value)
399195005	G-039D	Right ventricular outflow tract view (qualifier value)
399196006	R-10244	Caudo-cranial projection (qualifier value)
399197002	R-102D3	Lateral rolling of breast (procedure)
399198007	R-10232	Right lateral projection (qualifier value)
399199004	R-1027B	Henschen projection (qualifier value)
399200001	G-039F	Subcostal short axis view (qualifier value)
399201002	R-10283	Judd projection (qualifier value)
399206007	R-1028C	Law projection (qualifier value)
399209000	R-102D5	Displacement of breast implant (procedure)
399211009	G-03AA	History of myocardial infarction (situation)
399212002	R-1026A	Camp-Coventry projection (qualifier value)
399214001	G-A19C	Apical four chamber view (qualifier value)
399215000	R-102B0	Wigby-Taylor projection (qualifier value)
399218003	R-10263	Arcelin projection (qualifier value)
399220000	R-10515	Transverse body position (finding)
399225005	R-10250	Oblique caudo-cranial projection (qualifier value)
399226006	R-102D4	Medial rolling of breast (procedure)
399227002	R-10286	Kemp Harper projection (qualifier value)
399229004	G-0385	Mitral valve A-wave duration (observable entity)
399232001	G-A19B	Apical two chamber view (qualifier value)
399234000	R-102A0	Rhese projection (qualifier value)
399235004	G-0383	Left atrium systolic volume (observable entity)
399236003	R-10234	Right oblique projection (qualifier value)
399237007	R-10262	Alexander projection (qualifier value)
399238002	G-0388	Ratio of pulmonic valve acceleration time to pulmonic valve ejection time (observable entity)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
399239005	G-0398	Parasternal short axis view at the aortic valve level (qualifier value)
399241006	R-102AA	Titterington projection (qualifier value)
399242004	R-102C6	Acanthioparietal projection (qualifier value)
399243009	R-102A2	Settegast projection (qualifier value)
399245002	R-1026F	Cleaves projection (qualifier value)
399246001	R-10266	Blackett-Healy projection (qualifier value)
399247005	R-102A7	Tarrant projection (qualifier value)
399251007	R-10292	Lorenz projection (qualifier value)
399255003	R-10256	Submentovertical projection (qualifier value)
399260004	R-10224	Medial-lateral projection (qualifier value)
399261000	G-03A5	History of coronary artery bypass grafting (situation)
399263002	R-10264	Beclere projection (qualifier value)
399264008	G-0373	Image mode (observable entity)
399265009	R-102CF	Exaggerated cranio-caudal projection (qualifier value)
399266005	G-037F	Left ventricular index of myocardium performance (observable entity)
399267001	G-038C	Pulmonary vein S-wave velocity time integral (observable entity)
399268006	G-5224	Medio-lateral oblique emissive projection (qualifier value)
399270002	R-102AB	Towne's projection (qualifier value)
399271003	G-039B	Parasternal short axis view at the papillary muscle level (qualifier value)
399272005	R-102C5	Parietoacanthial projection (qualifier value)
399273000	G-5212	Sagittal-oblique axial emissive projection (qualifier value)
399277004	R-1027C	Hickey projection (qualifier value)
399278009	R-10268	Cahoon projection (qualifier value)
399280003	R-10285	Kasabach projection (qualifier value)
399281004	R-10274	Fleischner projection (qualifier value)
399282006	G-0389	Tricuspid valve closure to opening time (observable entity)
399284007	R-10297	Merchant projection (qualifier value)
399285008	R-1027E	Holmblad projection (qualifier value)
399287000	G-0376	Left ventricular area fractional change (observable entity)
399288005	R-10248	Oblique cranio-caudal projection (qualifier value)
399290006	R-102A1	Schüller projection (qualifier value)
399292003	R-102A4	Stecher projection (qualifier value)
399293008	G-0379	Left ventricular epicardial diastolic area, psax pap view (observable entity)
399294002	D7-90035	Cyst of breast (disorder)
399296000	R-102A8	Taylor projection (qualifier value)
399297009	G-5222	Right lateral emissive projection (qualifier value)
399300004	G-5221	Lateral-medial emissive projection (qualifier value)
399301000	G-0390	Regurgitant fraction (observable entity)
399303002	R-10272	Dunlap projection (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
399306005	G-0397	Parasternal short axis view (qualifier value)
399308006	R-10291	Lindblom projection (qualifier value)
399309003	G-0378	Left ventricular truncated semi-major axis diastolic dimension (observable entity)
399310008	G-039E	Subcostal long axis view (qualifier value)
399311007	R-10278	Grandy projection (qualifier value)
399312000	R-10208	Antero-posterior oblique projection (qualifier value)
399313005	R-102A6	Swanson projection (qualifier value)
399316002	R-102C8	Parieto-orbital projection (qualifier value)
399318001	R-10287	Kovacs projection (qualifier value)
399320003	R-10271	Clements-Nakayama projection (qualifier value)
399321004	G-5215	Anterior emissive projection (qualifier value)
399325008	R-10254	Sagittal-oblique axial projection (qualifier value)
399327000	R-10293	Low-Beer projection (qualifier value)
399330007	R-102AD	Valdini projection (qualifier value)
399331006	P5-0808E	Computed tomography without contrast (procedure)
399332004	R-10289	Kurzbauer projection (qualifier value)
399335002	R-102C4	Dorsoplantar projection (qualifier value)
399339008	G-0395	Apical long axis (qualifier value)
399341009	R-1027A	Haas projection (qualifier value)
399342002	R-10290	Lilienfeld projection (qualifier value)
399344001	R-10267	Broden projection (qualifier value)
399348003	R-10206	Antero-posterior projection (qualifier value)
399349006	R-102A5	Stenver's projection (qualifier value)
399351005	R-102C7	Orbito-parietal projection (qualifier value)
399352003	R-10228	Lateral-medial projection (qualifier value)
399354002	G-0384	Mitral valve E-wave deceleration time (observable entity)
399355001	R-1026E	Chausse projection (qualifier value)
399356000	R-40985	Right anterior oblique projection (qualifier value)
399358004	R-10269	Caldwell projection (qualifier value)
399360002	R-10257	Verticosubmental projection (qualifier value)
399362005	R-10265	Bertel projection (qualifier value)
399365007	R-1029D	Pearson projection (qualifier value)
399366008	R-10516	Oblique body position (finding)
399367004	G-038E	Cardiovascular orifice area (observable entity)
399368009	R-10226	Medio-lateral oblique projection (qualifier value)
399370000	R-10294	Lysholm projection (qualifier value)
399371001	G-0399	Parasternal short axis view at the level of the mitral chords (qualifier value)
399372008	R-10273	Ferguson projection (qualifier value)
399707004	R-41563	Supportive - procedure intent (qualifier value)
400047006	D3-8005B	Peripheral vascular disease (disorder)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
401303003	D3-15119	Acute ST segment elevation myocardial infarction (disorder)
401314000	D3-1511A	Acute non-ST segment elevation myocardial infarction (disorder)
402603005	D0-2202B	Diffuse inflammatory erythema (disorder)
403618004	D0-3002F	Drug-induced flushing (disorder)
404640003	F-06017	Dizziness (finding)
404684003	R-005AE	Clinical finding (finding)
404706008	C-B10A2	Technetium[99mTc] sestamibi injection (product)
404707004	C-B10A4	Technetium[99mTc] tetrofosmin injection (product)
404846007	C-B014D	Gadopentetate dimeglumine (product)
405165006	F-0499A	Nausea and vomiting status: disruptive effects (observable entity)
405269005	R-305CE	Neonatal intensive care unit (environment)
405277009	J-005E6	Resident physician (occupation)
405279007	J-005E8	Attending physician (occupation)
405738005	G-A12F	Blue color (qualifier value)
405739002	G-A132	Blue green color (qualifier value)
406660008	L-8C339	Galway sheep breed (organism)
406663005	L-8B102	Ukrainian steppe white pig (organism)
406711007	L-8A106	Brabant horse (organism)
406714004	L-8A10C	Gypsy Vanner horse (organism)
406715003	L-8A10D	Murgese horse (organism)
406721004	L-8A10F	Mixed breed horse (organism)
406722006	L-8C33A	Mixed breed sheep (organism)
406723001	L-93791	Mixed breed chicken (organism)
406725008	L-88106	Alaskan Klee Kai dog breed (organism)
406733009	L-001DE	Callithrix jacchus (organism)
406951002	C-22836	Silver stain (substance)
406952009	C-22837	Colloidal iron stain (substance)
406953004	C-2283A	Mallory bleach stain (substance)
406955006	C-2283C	Butyrate esterase stain (substance)
406957003	C-2283E	Van Gieson stain (substance)
406958008	C-2283F	Luxol fast blue stain (substance)
406959000	C-22840	Cresyl violet stain (substance)
406960005	C-22847	Cresyl echt violet stain (substance)
406961009	C-2284A	Methylene violet stain (substance)
406964001	C-2284B	Mucicarmine stain (substance)
406965000	C-2284C	Night blue stain (substance)
406966004	C-2284D	Orcein stain (substance)
406967008	C-2284E	Phosphotungstic acid-hematoxylin stain (substance)
406968003	C-2284F	Quinacrine fluorescent stain (substance)
406969006	C-22850	Thionin stain (substance)
406971006	C-2285B	Alkaline phosphatase stain (substance)
406972004	C-2285C	India ink stain (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
406973009	C-2285D	Naphthol-AS-D-chloracetate esterase stain (substance)
406974003	C-2285E	Peroxidase stain (substance)
406975002	C-2285F	Terminal deoxynucleotidyl transferase stain (substance)
406976001	C-22860	Acid fast stain (substance)
406977005	C-2286A	Rhodamine stain (substance)
406978000	C-2286B	Carbol fuchsin stain (substance)
406980006	C-2286C	Fouchet stain (substance)
406981005	C-2286D	Aldehyde fuchsin stain (substance)
406982003	C-2286E	Bauer's chromic acid leucofuchsin stain (substance)
406983008	C-2286F	Hansel stain (substance)
406984002	C-22870	Potassium hydroxide stain (substance)
406985001	C-2287A	Silver nitrate stain (substance)
406986000	C-2287B	Chromic acid stain (substance)
406988004	F-61DA5	Safranin stain (substance)
406989007	C-2287D	Trichrome stain (substance)
406990003	C-2287E	Aniline blue stain (substance)
406991004	C-2287F	Modified trichrome stain (substance)
406992006	C-22880	Verhoeff's hematoxylin stain (substance)
406993001	C-2288A	Protargol S stain (substance)
406995008	C-2288D	Thioflavine S stain (substance)
407402001	L-8A105	Warmblood horse breed (organism)
407559004	F-03F6E	Family history unknown (situation)
408379005	F-04A13	Imaging result equivocal (finding)
408551003	R-214DD	Exercise tolerance test refused (situation)
408573005	F-04AB2	Imaging result normal (finding)
408574004	F-04AB3	Imaging result abnormal (finding)
408643008	D0-F0369	Infiltrating duct carcinoma of breast (disorder)
408678008	DD-67703	Healthcare associated infectious disease (disorder)
408703009	R-101B0	Vascular stent length (observable entity)
408704003	R-101B2	Vascular stent volume (observable entity)
408705002	R-101AF	Vascular stent cross sectional area (observable entity)
408706001	R-101AD	Vascular stent diameter (observable entity)
408707005	R-101B3	Arterial stasis (finding)
408709008	R-101B5	Incomplete arterial stent apposition at time of placement (finding)
408710003	R-101B6	Incomplete arterial stent apposition subsequent to placement (finding)
408714007	R-101BA	Degree of blood vessel lumen cross sectional area reduction (observable entity)
408715008	R-101BB	Degree of blood vessel lumen diameter reduction (observable entity)
408716009	R-101BC	Stenotic lesion length (observable entity)
408720008	R-101C0	Left ventricular posterobasal segment (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
408723005	R-101C3	Cranial left anterior oblique projection (qualifier value)
408724004	R-101C4	Caudal left anterior oblique projection (qualifier value)
408725003	R-101C5	Cranial right anterior oblique projection (qualifier value)
408726002	R-101C6	Caudal right anterior oblique projection (qualifier value)
408730004	G-C32C	Procedure context (attribute)
408732007	G-C32E	Subject relationship context (attribute)
408734008	R-10229	Diabetic Retinopathy Study field 1 (body structure)
408744005	R-1022D	Primary gaze (qualifier value)
408745006	R-10227	Convergent gaze (qualifier value)
409484007	C-B0303	Ioxilan (product)
409549005	F-61E5A	Wayson stain (substance)
409586006	F-04BA9	Complaint (finding)
409595003	F-61E79	Biohazardous material (substance)
409599009	F-0061F	Laboratory biosafety level (observable entity)
409600007	R-41E4D	Biosafety level 1 (qualifier value)
409603009	R-41E4E	Biosafety level 2 (qualifier value)
409604003	R-41E4F	Biosafety level 3 (qualifier value)
409605002	R-41E50	Biosafety level 4 (qualifier value)
409615008	T-D04AC	Ascitic fluid (substance)
409688003	R-305D3	Hospital isolation room (environment)
409712001	D3-1081C	Mitral valve prolapse (disorder)
409783000	R-10239	Tumor invasion limited to skin (finding)
409897002	R-10219	Indirect ophthalmoscopy lens (physical object)
409898007	R-1021A	Fundus camera (physical object)
409899004	R-1021C	Specular microscope (physical object)
409900009	R-1021E	Direct ophthalmoscope (physical object)
409901008	R-1021D	Indirect ophthalmoscope (physical object)
409902001	R-1021F	Ophthalmic endoscope (physical object)
409903006	R-1021B	External camera (physical object)
409905004	L-80108	Black Angus cattle breed (organism)
409906003	L-8B947	Mixed breed cattle (organism)
409908002	L-8B948	Masai cattle breed (organism)
409914009	L-8880B	Domestic medium-haired cat (organism)
409926004	L-88107	Anatolian shepherd dog breed (organism)
410429000	D3-3002F	Cardiac arrest (disorder)
410430005	D2-60262	Cardiorespiratory arrest (disorder)
410434001	R-1022A	Diabetic Retinopathy Study field 2 (body structure)
410435000	R-1022B	Diabetic Retinopathy Study field 3 (body structure)
410436004	R-1022C	Diabetic Retinopathy Study field 4 (body structure)
410437008	R-1022E	Diabetic Retinopathy Study field 5 (body structure)
410438003	R-1022F	Diabetic Retinopathy Study field 6 (body structure)
410439006	R-10231	Diabetic Retinopathy Study field 7 (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
410461001	R-1020E	Dual diffuse direct illumination - action (qualifier value)
410462008	R-1020F	Fine slit beam direct illumination - action (qualifier value)
410463003	R-10211	Broad tangential direct illumination - action (qualifier value)
410464009	R-10213	Indirect sclerotic scatter illumination - action (qualifier value)
410465005	R-10215	Indirect retroillumination from the iris - action (qualifier value)
410466006	R-10217	Indirect retroillumination from the retina - action (qualifier value)
410467002	R-10218	Indirect iris transillumination - action (qualifier value)
410516002	G-A46B	Known absent (qualifier value)
410652009	R-005B3	Blood product (product)
410668003	G-D7FE	Length property (qualifier value)
410675002	G-C340	Route of administration (attribute)
410679008	G-A206	Surface (qualifier value)
410685001	R-1023E	Noncontact fundus lens (physical object)
410686000	R-1023B	Contact fundus lens (physical object)
410687009	R-1023D	Convex noncontact fundus lens (physical object)
410688004	R-1023A	Concave noncontact fundus lens (physical object)
410689007	R-1023C	Convex contact fundus lens (physical object)
410726006	T-D0829	Acoustic radiations structure (body structure)
410873007	C-B05A3	Mangafodipir trisodium (product)
410937004	F-61E2A	Oxytocic agent (substance)
412155002	F-61DF9	Polymer (substance)
413322009	F-04B88	Problem resolved (finding)
413488005	L-8880C	American bobtail cat breed (organism)
413530006	R-102DD	Anatomic structure potentially involved in evolution of disease (observable entity)
413815006	P0-05DA0	Chest imaging (procedure)
413854007	J-0714B	Circulating nurse (occupation)
413896006	R-10258	Common iliac artery bifurcation (body structure)
413912008	R-102DA	Contrast media seen in plaque (finding)
413975003	R-1025E	Depth of vessel from surface (observable entity)
413985002	R-102BA	Diastolic pressure equalization (finding)
413996005	R-1025B	Dilated portion of segment (qualifier value)
414088005	R-102B3	Emergency coronary artery bypass graft (procedure)
414089002	R-102B5	Emergency percutaneous coronary intervention (procedure)
414135002	R-10260	Estimated (qualifier value)
414165007	R-102AE	External elastic membrane of artery (body structure)
414298005	R-102C0	Full spectrum color (qualifier value)
414368000	R-1025A	Great saphenous vein of calf (body structure)
414369008	R-10259	Great saphenous vein of thigh (body structure)
414415007	R-102B7	History of chronic lung disease (situation)
414416008	R-102B8	History of hypercholesterolemia (situation)
414417004	R-102B6	History of renal failure (situation)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
414485004	R-305D6	Induction room (environment)
414493004	R-102CA	Inferior rolling of breast (procedure)
414497003	R-102BE	Infra-red color (qualifier value)
414545008	D3-10030	Ischemic heart disease (disorder)
414576002	R-102B9	Large v-wave (finding)
414582004	P1-A3846	Laser assisted subepithelial keratomileusis (procedure)
414599003	R-1025F	Length of vessel segment (observable entity)
414617007	R-102B2	Loss of distal pulse (finding)
414722000	R-1024F	Middle cerebral artery M1 segment (body structure)
414723005	R-10251	Middle cerebral artery M2 segment (body structure)
414795007	D3-1070D	Myocardial ischemia (disorder)
415070008	R-102B4	Percutaneous coronary intervention (procedure)
415076002	G-03D3	Personal history of primary malignant neoplasm of breast (situation)
415144009	R-10253	Posterior cerebral artery P1 segment (body structure)
415145005	R-10255	Posterior cerebral artery P2 segment (body structure)
415506007	J-0714A	Scrub nurse (occupation)
415582006	M-3400A	Stenosis (morphologic abnormality)
415637004	R-102BB	Structure of clinoid portion of internal carotid artery (body structure)
415646005	R-102BD	Structure of terminal portion of internal carotid artery (body structure)
415670009	R-102C9	Superior rolling of breast (procedure)
415684004	G-A47B	Suspected (qualifier value)
415690000	F-400A9	Sweating (finding)
415704007	C-B1133	Technetium Tc^99m^ depreotide (substance)
415770004	R-102BF	Ultra-violet color (qualifier value)
415814008	R-1025D	Vessel intimal cross-sectional diameter (observable entity)
415815009	R-1025C	Vessel intimal diameter (observable entity)
415816005	R-102DB	Vessel lumen cross-sectional area increase (observable entity)
415817001	R-102DC	Vessel lumen cross-sectional diameter increase (observable entity)
416061003	R-FAB5E	Vascular coiling (finding)
416152001	R-FAB53	Neck and/or chest and/or abdomen structure (body structure)
416190007	R-FAB5C	End diastole (qualifier value)
416319003	R-FAB54	Neck and/or chest and/or abdomen and/or pelvis (body structure)
416323006	P5-0A00D	Positron emission tomography breast study (procedure)
416430001	R-FAB5B	End systole (qualifier value)
416471007	G-03E5	Family history of clinical finding (situation)
416550000	R-FAB55	Chest and/or abdomen structure (body structure)
416567007	R-FAB5A	Integrated ray-trace triangulation acquisition laser scanning device with conventional fundus imaging (physical object)
416631005	R-FAB58	Pelvis and/or lower extremity structure (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
416775004	R-FAB56	Chest and/or abdomen and/or pelvis structure (body structure)
416804009	T-D9713	Hindfoot of quadruped (body structure)
416840006	L-88108	Boerboel dog breed (organism)
416885007	L-8077B	Standard dachshund (organism)
416949008	R-FAB57	Abdomen and/or pelvis structure (body structure)
417012009	L-8B103	Mixed breed pig (organism)
417136005	A-10029	Ileostomy bag (physical object)
417277001	L-8880D	Pixie-bob cat breed (organism)
417324009	F-CB902	Vascular endothelial growth factor (substance)
417437006	R-FAB52	Neck and/or chest structure (body structure)
417696007	C-6A148	Medical air (product)
417746004	DF-00777	Traumatic injury (disorder)
417881006	F-61FDB	Radiopharmaceutical agent (substance)
418326009	F-D7011	Human fibrinogen (substance)
418363000	F-A21A7	Itching of skin (finding)
418433008	R-305EB	Surgical intensive care unit (environment)
418760000	F-6205D	Respiratory stimulant (substance)
418799008	R-005E0	Finding reported by subject or history provider (finding)
418903008	P5-00A25	Fluoroscopic angiography of left ventricle and coronary arteries (procedure)
419099009	F-04DA1	Dead (finding)
419161000	G-A13B	Unilateral left (qualifier value)
419176008	T-D04F2	Forefoot of quadruped (body structure)
419416005	P5-00A34	Fluoroscopic angiography of coronary arteries (procedure)
419442005	C-21047	Ethyl alcohol (substance)
419475002	F-04D55	Pinhole visual acuity (observable entity)
419545005	P5-00A5C	Computed tomography angiography of coronary arteries (procedure)
419670003	M-33415	Epidermoid cyst (morphologic abnormality)
419775003	F-04D54	Best corrected visual acuity (observable entity)
419804008	C-B1134	Samarium 153 (substance)
420050001	F-04D53	Uncorrected visual acuity (observable entity)
420223003	R-305EA	Pediatric medicine department (environment)
420287000	R-F2C86	Intraventricular route - cardiac (qualifier value)
420300004	F-3018B	New York Heart Association Classification - Class I (finding)
420303002	F-C0101	Interferon gamma (substance)
420572009	A-17454	Forced air warming blanket (physical object)
420800007	T-C4753	Structure of interpectoral lymph node (body structure)
420827006	A-00FF4	Pupillograph (physical object)
420913000	F-3018D	New York Heart Association Classification - Class III (finding)
421060004	T-D04FF	Structure of vertebral column (body structure)
421148003	F-620E8	Cholinergic receptor stimulating agent (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
421335007	A-17452	Warming blanket (physical object)
421624008	T-C471E	Structure of axillary vein lymph node (body structure)
421704003	F-3018C	New York Heart Association Classification - Class II (finding)
421861001	T-C4722	Structure of subclavian lymph node (body structure)
421974008	R-41564	Adjunct - intent (qualifier value)
421988007	T-C471F	Structure of external mammary lymph node (body structure)
422061002	DA-7931D	Vitreous opacities (disorder)
422293003	F-3018E	New York Heart Association Classification - Class IV (finding)
422534007	R-40A95	Rafert-Long projection (qualifier value)
422540000	C-B07DC	Butanol O^15^ (product)
422568001	R-40A92	Moore projection (qualifier value)
422587007	F-04E95	Nausea (finding)
422598008	C-B07E1	Fluoromisonidazole F^18^ (product)
422670003	R-40A88	Apple projection (qualifier value)
422685009	P2-3110A	Cardiovascular stress test using the dipyridamole stress test protocol (procedure)
422763008	C-B07E2	Fluoromethane F^18^ (product)
422789008	C-B07E7	Copper^62^ labeled pyruvaldehyde-bis N-(4)-methyl-thiosemicarbazone (product)
422795009	R-40A93	Neer projection (qualifier value)
422855001	C-B07DB	Copper^64^ labeled diacetyl-bis N-(4)-methylthiosemicarbazone (product)
422861003	R-40A89	Burman projection (qualifier value)
422915004	A-010D8	Overbed trapeze device (physical object)
422934004	C-127A5	^62^Copper (substance)
422954003	R-40A98	Stryker projection (qualifier value)
422975006	C-B07DF	[(18)F]fluoroethylflumazenil (product)
422980002	C-B07E8	Sodium iodide I^124^ (product)
422996004	R-40A99	Wolf projection (qualifier value)
423091003	R-40A8A	Colcher-Sussman projection (qualifier value)
423498000	C-B07DD	Ethylenediamine tetra-acetate gallium^68^ (product)
423543007	C-B07DE	Flumazenil C^11^ (product)
423546004	C-B07E4	Fluorobenzothiazole F^18^ (product)
423578007	C-1018D	^188^Rhenium (substance)
423720000	R-40A94	Rafer projection (qualifier value)
423764008	C-135A4	^38^Potassium (substance)
423926000	L-804C0	Skyros pony breed (organism)
424045003	D4-31B68	Myocardial bridge of coronary artery (disorder)
424064009	P2-31107	Cardiovascular stress test using pharmacologic stress agent (procedure)
424079002	C-163AA	^94m^Technetium (substance)
424086005	R-40A90	Hirtz Modification projection (qualifier value)
424111008	L-804B0	Pindos pony breed (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
424118002	C-163AD	Technetium Tc^99m^ tetrofosmin (substance)
424225000	P2-31108	Cardiovascular stress test using the dobutamine stress test protocol (procedure)
424299003	C-163AB	Technetium Tc^99m^ sestamibi (substance)
424318009	C-163AC	Technetium Tc^99m^ teboroxime (substance)
424361007	G-C350	Using substance (attribute)
424444005	P2-31109	Cardiovascular stress test using the adenosine stress test protocol (procedure)
424570009	C-B1135	Indium[111In]oxyquinoline (product)
424622008	F-04ECE	Potential acuity meter visual acuity (observable entity)
424655003	R-40A8F	Eraso Modification projection (qualifier value)
424705003	L-801E8	Bison bison X Simmental hybrid cattle breed (organism)
424708001	C-B07E0	Fluorethyltyrosin F^18^ (product)
424789007	C-B07E5	Mespiperone C^11^ (product)
424811006	R-40A8B	Danelius-Miller projection (qualifier value)
424874008	C-B07E6	Monoclonal antibody I^124^ (product)
424875009	C-1018C	Oxygen O^14^ (substance)
424962005	R-40A8C	Fisk projection (qualifier value)
424979004	P0-05DE2	Laryngeal mask airway insertion (procedure)
425030002	R-40A91	Kite projection (qualifier value)
425035007	R-40A96	Robert projection (qualifier value)
425042007	R-40A97	Rosenberg projection (qualifier value)
425118005	L-804A0	American draft pony breed (organism)
425141002	F-04ECF	Brightness acuity testing visual acuity (observable entity)
425157002	R-40A8D	Folio projection (qualifier value)
425181009	L-8B949	Bison bison X Bos taurus hybrid (organism)
425188003	R-40A8E	Garth projection (qualifier value)
425236000	C-B07E3	Fluorouracil F^18^ (product)
425253007	L-80495	Draft pony superbreed (organism)
425364008	C-127A4	^60^Copper (substance)
425647002	T-D0859	Structure of surface of bone (body structure)
425704008	P0-02241	Power doppler ultrasound (qualifier value)
425808002	P2-3120C	18 lead electrocardiographic monitoring (procedure)
426005005	P5-080C2	Cardiac computed tomography for calcium scoring (procedure)
426252008	P5-0905E	Magnetic resonance imaging of whole body (procedure)
426347000	P0-00C29	Thrombolytic therapy (procedure)
426439001	R-3060E	Burns intensive care unit (environment)
426571006	L-8810A	Victorian Bulldogge (organism)
426865009	P0-02242	3D mode ultrasound (qualifier value)
426940008	P5-30045	Radionuclide angiocardiography (procedure)
427136006	L-8A114	Saddlebred horse superbreed (organism)
427667007	T-A0149	Nucleus accumbens (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
427732000	F-04F74	Speed of blood pressure response (observable entity)
427751006	F-04F76	Extent of cardiac perfusion defect (observable entity)
427886002	P1-36993	Total cavopulmonary connection with lateral atrial tunnel (procedure)
427986001	G-4044	Normal risk of (contextual qualifier) (qualifier value)
427989008	F-380B2	Chronotropic incompetence (finding)
427990004	F-04F84	Right ventricular cardiac index (observable entity)
428196007	D3-10711	Mixed myocardial ischemia and infarction (disorder)
428247006	R-40AA7	Blunted (qualifier value)
428417006	F-380B3	Early repolarization (finding)
428420003	F-04F92	Target heart rate (observable entity)
428531008	F-04F9F	Heart rate response (observable entity)
428549008	F-38793	Secondary ST-T abnormality on electrocardiogram (finding)
428550008	F-38287	T wave alternans (observable entity)
428552000	F-04FA0	Normal extracardiac tracer uptake (finding)
428613004	P1-080B4	Correction of congenital cardiovascular deformity (procedure)
428628004	F-04FA5	Right ventricular cardiac output (observable entity)
428630002	F-04FA6	Maximum heart rate achieved during course of procedure (observable entity)
428685003	P2-3110B	Stress test using cardiac pacing (procedure)
428691001	R-40AA8	Accentuated (qualifier value)
428750005	F-38794	Nonspecific ST-T abnormality on electrocardiogram (finding)
428752002	G-044D	Recent myocardial infarction (situation)
428813002	P2-31011	Pharmacologic and exercise stress test (procedure)
428824000	R-215D5	Resolution of myocardial ischemia (situation)
428825004	R-215D6	Improvement of left ventricular wall motion compared to prior study (finding)
428832008	F-04FB4	Transient ischemic dilatation ratio of left ventricular cavity (observable entity)
428920008	F-04FB8	Increased lung tracer uptake (finding)
428927006	R-215D9	New myocardial ischemia compared to prior study (finding)
428995007	P3-05013	Receiving of specimen in laboratory (procedure)
429058004	R-215DC	New left ventricular wall motion abnormality compared to prior study (finding)
429060002	P7-00044	Procedure to meet occupational requirement (procedure)
429157007	F-04FCA	Heart rate recovery time (observable entity)
429160000	F-04FCC	Functional capacity (observable entity)
429162008	F-04FCD	Extent of myocardial stress ischemia (observable entity)
429163003	P2-3120E	15 lead electrocardiographic monitoring (procedure)
429198000	D3-0200B	Exertional hypertension (disorder)
429232006	R-215DE	Decreased myocardial ischemia compared to prior study (finding)
429310004	C-1190E	Niobium AND/OR niobium compound (substance)
429382003	F-04FD3	Subdiaphragmatic tracer uptake (finding)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
429391004	R-215E0	New myocardial infarction compared to prior study (finding)
429477006	R-215E1	Increased myocardial ischemia compared to prior study (finding)
429483009	F-04FD8	Right ventricular stroke volume (observable entity)
429551001	G-4045	Mild to moderate risk of (contextual qualifier) (qualifier value)
429557002	G-4046	Moderate to high risk of (contextual qualifier) (qualifier value)
429559004	D3-13037	Typical angina (disorder)
429560009	A-1002A	Arm ergometer, device (physical object)
429561008	D3-0400A	Exertional hypotension (disorder)
429576000	F-04FE3	Abnormal extracardiac tracer uptake (finding)
429591003	C-1190F	Europium AND/OR europium compound (substance)
429616001	P1-30A31	Aortopulmonary reconstruction with right ventricle to pulmonary arterial valveless conduit (procedure)
429619008	F-04FE5	Right ventricular stroke index (observable entity)
429620002	P0-00C6B	Construction of left ventricle to aorta tunnel with right ventricle to pulmonary artery valved conduit (procedure)
429622005	F-38279	ST Depression (observable entity)
429710001	D4-31124	Transient ischemic dilatation of left ventricular cavity (disorder)
429733000	F-33019	Unable to achieve target heart rate (finding)
429740004	G-04C5	Family history of malignant neoplasm of breast (situation)
429884006	P5-B300C	Intraoperative echocardiography (procedure)
430028007	F-6220F	Michel transport medium (substance)
430091005	G-04E3	Family history of coronary arteriosclerosis (situation)
430276001	C-163B0	Technetium Tc^99m^ pentetate (substance)
430346005	T-1A403	Liquid based cytologic material (specimen)
430757002	T-4858F	Structure of pulmonary vein great vessel (body structure)
430821002	C-12916	Chromium trioxide (substance)
430854000	P3-4500A	Touch preparation of specimen (procedure)
430855004	T-1A404	Touch preparation cytologic material (specimen)
430856003	G-8439	Tissue section (specimen)
430861001	G-843A	Macroscopic tissue specimen (specimen)
430862008	F-62219	Microscope slide mounting medium (substance)
430863003	F-6221A	Tissue embedding medium (substance)
430864009	F-6221B	Tissue fixative (substance)
430970004	G-843B	Core sample of tissue block (specimen)
431196006	G-843C	Tissue spot (specimen)
431491007	T-7000B	Structure of upper urinary tract proper (body structure)
431510009	C-2141B	Formalin (substance)
431511008	P5-D300B	Myocardial perfusion stress imaging using Thallium 201 (procedure)
431609005	P0-00CA7	Magnetic resonance imaging stress study of cardiac function (procedure)
431852008	P5-B300F	Pediatric echocardiography (procedure)
431938005	T-7000C	Structure of urinary tract proper (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
432062000	C-80012	Adenosine A2 receptor agonist (product)
432554001	F-05018	Cardiac stress recovery state (finding)
432655005	F-05019	Cardiac stress state (finding)
432678004	F-0501A	Indication for procedure (observable entity)
433139009	P5-0907F	Dynamic magnetic resonance imaging of knee (procedure)
433231002	P5-B3090	Contrast echocardiography (procedure)
433232009	P0-05F95	Epicardial echocardiography (procedure)
433233004	P5-B3050	Exercise stress echocardiography (procedure)
433235006	P5-B8215	Fetal echocardiography (procedure)
433236007	P5-B3012	Transthoracic echocardiography (procedure)
433338005	F-62231	Carnoy fixative (substance)
433452008	P3-40003	Clearing of tissue specimen (procedure)
433454009	P3-40004	Microdissection of tissue specimen using laser (procedure)
433455005	P3-40005	Microwave heating of tissue specimen (procedure)
433456006	P3-40006	Protease digestion of tissue specimen (procedure)
433457002	P3-40009	Steam heating of tissue specimen (procedure)
433465004	P3-4000A	Sampling of tissue specimen (procedure)
433466003	A-0101B	Microscope slide (physical object)
433469005	F-62232	Frozen section embedding medium (substance)
433470006	P3-4000B	Dehydration of tissue specimen (procedure)
433471005	F-62233	Helly fixative (substance)
433472003	A-0101D	Microscope slide coverslip (physical object)
433473008	F-62234	Zenker fixative (substance)
433474002	F-62235	Bouin fluid (substance)
434161005	F-05028	Peak cardiac stress state (finding)
434162003	C-2141C	Neutral buffered formalin (substance)
434295000	F-62238	Formol sublimate (substance)
434464009	A-0101E	Tissue cassette (physical object)
434472006	P3-4000D	Sectioning of tissue block (procedure)
434473001	A-0101F	Specimen container lid (physical object)
434474007	P3-4000E	Surface recutting of tissue block (procedure)
434475008	P3-4000F	Step sectioning of tissue block (procedure)
434479002	P3-40011	Core sampling of tissue block (procedure)
434533009	A-01021	Electron microscopy grid (physical object)
434708008	A-01022	Tissue cassette for microarray (physical object)
434711009	A-01023	Specimen container (physical object)
434746001	A-01024	Specimen vial (physical object)
434822004	A-01025	Specimen well (physical object)
439470001	D1-50666	Arteriovenous fistula (disorder)
439858009	P5-B0128	Doppler ultrasonography of heart tissue (procedure)
440252007	PA-30029	Administration of radiopharmaceutical (procedure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
440935004	P0-099F5	History of beta adrenergic receptor blocking agent therapy (situation)
441480003	S-8000A	Primary care department (environment)
441505008	R-40AA9	Dorsopalmar projection (qualifier value)
441509002	R-00728	Cardiac pacemaker in situ (finding)
441548002	R-30616	Tropical medicine department (environment)
441555000	R-40AAA	Inferomedial to superolateral oblique view (qualifier value)
441662001	R-3061B	Diagnostic imaging department (environment)
441672003	R-40AAC	Dorso-ventral projection (qualifier value)
441676000	P0-00E0B	Occlusion of patent ductus arteriosus using embolization coil (procedure)
441752004	P2-00161	Anterior compression of breast (procedure)
441850003	T-D0874	Appendiceal stump (morphologic abnormality)
441901008	M-32704	Inverted diverticulum (morphologic abnormality)
441950002	R-3061D	Histopathology department (environment)
441994008	R-3061E	Medical intensive care unit (environment)
442100006	T-540ED	Structure of maxillary incisor tooth (body structure)
442123009	P1-3180D	Sano procedure (procedure)
442170005	T-50153	Colonic intraluminal fluid (substance)
442274007	T-540EE	Structure of mandibular incisor tooth (body structure)
442441009	R-40AB0	Ventro-dorsal projection (qualifier value)
442580003	R-40AB2	Axillary tissue mammography view (qualifier value)
442581004	R-40AB3	Nipple in profile mammography view (qualifier value)
442582006	R-40AB4	Lateral 45 degree dorsal 50 degree proximal-mediopalmarodistal oblique projection (qualifier value)
442583001	R-40AB5	Dorsal 35 degree medial-palmarolateral oblique projection (qualifier value)
442585008	R-40AB6	Dorsal 40 degree lateral-plantaromedial oblique projection (qualifier value)
442586009	R-40AB7	Rostroventral-caudodorsal projection (qualifier value)
442587000	R-40AB8	Ventral 30 degree right-dorsal left oblique projection (qualifier value)
442588005	R-40AB9	Rostral 30 degree ventral-caudodorsal projection (qualifier value)
442589002	R-40ABA	Ventral 30 degree left-dorsal right oblique projection (qualifier value)
442590006	R-40ABB	Ventral left-dorsal right oblique projection (qualifier value)
442591005	R-40ABC	Palmar 75 degree proximal-dorsodistal oblique projection (qualifier value)
442592003	R-40ABD	Dorsoproximal-plantarodistal oblique projection (qualifier value)
442593008	R-40ABE	Infra-mammary fold mammography view (qualifier value)
442595001	R-40AC0	Right ventral-left dorsal oblique projection (qualifier value)
442596000	R-40AC1	Left 30 degree caudal-right rostral oblique projection (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
442597009	R-40AC2	Dorsal 45 degree lateral-palmaromedial oblique projection (qualifier value)
442598004	R-40AC3	Left 45 degree dorsal-right ventral oblique projection (qualifier value)
442599007	R-40AC4	Left 45 degree ventral-right dorsal oblique projection (qualifier value)
442600005	R-40AC5	Dorsal 45 degree medial-plantarolateral oblique projection (qualifier value)
442601009	R-40AC6	Dorsal 60 degree lateral-plantaromedial oblique projection (qualifier value)
442602002	R-40AC7	Dorsal 60 degree medial-palmarolateral oblique projection (qualifier value)
442603007	R-40AC8	Plantar 75 degree proximal-dorsodistal oblique projection (qualifier value)
442604001	R-40AC9	Caudodistal-cranioproximal oblique projection (qualifier value)
442605000	R-40ACA	Right 30 degree caudal-left rostral oblique projection (qualifier value)
442606004	R-40ACB	Dorsal 35 degree lateral-plantaromedial oblique projection (qualifier value)
442607008	R-40ACC	Right dorsal-left ventral oblique projection (qualifier value)
442608003	R-40ACD	Dorsal 35 degree medial-plantarolateral oblique projection (qualifier value)
442609006	R-40ACE	Dorsal 65 degree proximal-palmarodistal oblique projection (qualifier value)
442610001	R-40ACF	Dorsolateral-plantaromedial oblique projection (qualifier value)
442611002	R-40AD0	Dorsomedial-plantarolateral oblique projection (qualifier value)
442612009	R-40AD1	Right 20 degree ventral-left dorsal oblique projection (qualifier value)
442621005	R-40AD2	Dorsal 40 degree medial-palmarolateral oblique projection (qualifier value)
442622003	R-40AD3	Dorsal 40 degree medial-plantarolateral oblique projection (qualifier value)
442623008	R-40AD4	Dorsal 45 degree medial-palmarolateral projection (qualifier value)
442624002	R-40AD5	Dorsal 65 degree proximal-plantarodistal oblique projection (qualifier value)
442625001	R-40AD6	Plantaroproximal-dorsodistal oblique projection (qualifier value)
442626000	R-40AD7	Proximo-distal projection (qualifier value)
442627009	R-40AD8	Right 20 degree dorsal-left ventral oblique projection (qualifier value)
442628004	R-40AD9	Right 45 degree ventral-left dorsal oblique projection (qualifier value)
442629007	R-40ADA	Right caudal-left rostral oblique projection (qualifier value)
442630002	R-40ADB	Laterodorsoproximal-mediopalmarodistal oblique projection (qualifier value)
442631003	R-40ADC	Laterodorsoproximal-medioplantarodistal oblique projection (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
442632005	R-40ADD	Left 20 degree rostral-right caudal oblique projection (qualifier value)
442636008	R-40ADE	Left 20 degree ventral-right dorsal oblique projection (qualifier value)
442637004	R-40ADF	Rostrodorsal-caudoventral oblique projection (qualifier value)
442638009	R-40AE0	Left caudal-right rostral oblique projection (qualifier value)
442639001	R-40AE1	Dorsal 60 degree lateral-palmaromedial oblique projection (qualifier value)
442641000	R-40AE3	Dorsal 60 degree medial-plantarolateral oblique projection (qualifier value)
442643002	R-40AE4	Dorsal 45 degree lateral-plantaromedial oblique projection (qualifier value)
442644008	R-40AE5	Left dorsal-right ventral oblique projection (qualifier value)
442645009	R-40AE6	Left rostral-right caudal oblique projection (qualifier value)
442657000	R-40AE8	Dorsolateral-palmaromedial oblique projection (qualifier value)
442658005	R-40AE9	Plantarolateral-dorsomedial oblique projection (qualifier value)
442659002	R-40AEA	Dorsorostral-ventrocaudal oblique projection (qualifier value)
442660007	R-40AEB	Right 45 degree dorsal-left ventral oblique projection (qualifier value)
442661006	R-40AEC	Lateral 45 degree dorsal 50 degree proximal-medioplantarodistal oblique projection (qualifier value)
442674000	R-40AEE	Palmaroproximal-dorsodistal oblique projection (qualifier value)
442675004	R-40AEF	Plantar 60 degree lateral-dorsomedial oblique projection (qualifier value)
442688001	F-05166	Finding of difference in border definition compared to previous radiologic examination (finding)
442690000	R-40AF0	Rostrocaudal projection (qualifier value)
442691001	F-05167	Finding of difference in substance compared to previous radiologic examination (finding)
442700003	F-0516A	Finding of difference in texture compared to previous radiologic examination (finding)
442704007	F-0516C	Finding of difference in distribution compared to previous radiologic examination (finding)
442707000	F-0516E	Finding of difference in radiographic attenuation compared to previous radiologic examination (finding)
442711006	F-05170	Finding of difference in site involvement compared to previous radiologic examination (finding)
442714003	F-05173	Finding of difference in size compared to previous radiologic examination (finding)
442721003	R-40AF1	Ventral 20 degree rostral-dorsocaudal oblique projection (qualifier value)
442726008	F-05179	Finding of difference in location compared to previous radiologic examination (finding)
442729001	R-40AF2	Dorsomedial-palmarolateral projection (qualifier value)
442730006	R-40AF3	Rostral 20 degree dorsal-caudoventral oblique projection (qualifier value)
442738004	R-40AF4	Ventral right-dorsal left oblique projection (qualifier value)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
442739007	R-40AF5	Left ventral-right dorsal oblique projection (qualifier value)
442740009	R-40AF6	Palmar 45 degree medial-dorsolateral projection (qualifier value)
442741008	R-40AF7	Ventrorostral-dorsocaudal oblique projection (qualifier value)
442742001	R-40AF8	Palmaromedial-dorsolateral projection (qualifier value)
442743006	R-40AF9	Right 20 degree rostral-left caudal oblique projection (qualifier value)
442744000	R-40AFA	Dorsoproximal-palmarodistal oblique projection (qualifier value)
442745004	R-40AFB	Dorsal 20 degree rostral-ventrocaudal oblique projection (qualifier value)
442746003	R-40AFC	Dorsal 35 degree lateral-palmaromedial oblique projection (qualifier value)
442747007	R-40AFD	Right rostral-left caudal oblique projection (qualifier value)
442748002	R-40AFE	Left 20 degree dorsal-right ventral oblique projection (qualifier value)
442755000	F-0517E	Finding of difference in border shape compared to previous radiologic examination (finding)
443082005	G-0577	Parasternal long axis view of right ventricular inflow tract (qualifier value)
443083000	G-0578	Parasternal long axis view of right ventricular outflow tract (qualifier value)
443096004	T-D0877	Surgically constructed connection of aorta to pulmonary artery (morphologic abnormality)
443100003	R-40AFF	Subcostal view of cardiac outlets directed anteriorly (qualifier value)
443113009	T-D0878	Structure of posterior descending coronary artery (body structure)
443115002	F-8612F	Edema of fetal chest wall (finding)
443160001	G-0579	Subcostal short axis view at papillary muscle level (qualifier value)
443162009	R-40B00	Suprasternal coronal view (qualifier value)
443163004	R-40B01	Suprasternal sagittal view (qualifier value)
443167003	T-42102	Structure of aortic sinotubular junction (body structure)
443168008	F-0518A	Edema of fetal scalp (finding)
443208000	M-2460C	Pulmonary vein confluence to atrium connection (morphologic abnormality)
443260009	T-D0879	Surgically constructed outflow tract of left ventricle across ventricular septal defect to aorta (morphologic abnormality)
443271005	P5-080FF	Positron emission tomography with computed tomography fluorodeoxyglucose imaging of whole body (procedure)
443281009	T-42304	Structure of transverse aortic arch (body structure)
443283007	T-D087A	Neoaortic valve (morphologic abnormality)
443297004	T-D087B	Surgically constructed connection of pulmonary vein to left atrium (morphologic abnormality)
443298009	T-D087C	Surgically constructed pathway through heart from inferior vena cava and superior vena cava to pulmonary artery (morphologic abnormality)
443325000	R-0077C	Automatic implantable cardiac defibrillator in situ (finding)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
443326004	T-D087D	Surgically constructed pathway from inferior vena cava to pulmonary artery (morphologic abnormality)
443327008	T-D087E	Surgically constructed pathway from superior vena cava to pulmonary artery (morphologic abnormality)
443328003	T-D087F	Surgically constructed connection of right ventricle to pulmonary artery conduit (morphologic abnormality)
443329006	M-20102	Bulboventricular foramen (morphologic abnormality)
443379009	D4-31125	Functional single ventricle (disorder)
443444008	M-2460D	Right superior vena cava (morphologic abnormality)
443445009	M-20103	Cor triatriatum orifice (morphologic abnormality)
443461006	DD-66228	Leakage of conduit from right atrium to pulmonary artery (disorder)
443499004	G-057B	Subcostal short axis view at mitral valve level (qualifier value)
443500008	G-057C	Subcostal short axis view at venous inflow level (qualifier value)
443501007	R-421AA	Vena contracta (qualifier value)
443562002	G-057D	Suprasternal long axis view of aortic arch (qualifier value)
443591004	T-F6858	Structure of common right pulmonary vein (body structure)
443609003	G-057E	Subcostal short axis view at aortic valve level (qualifier value)
443625008	T-D0880	Surgically constructed connection of systemic venous return to pulmonary artery (morphologic abnormality)
443640005	R-40B0A	Subcostal oblique coronal view (qualifier value)
443696003	T-D0881	Surgically constructed connection of left ventricle to pulmonary artery conduit (morphologic abnormality)
443698002	R-40B0E	Transesophageal short axis view (qualifier value)
443705001	T-F6859	Structure of common left pulmonary vein (body structure)
443714006	T-48505	Structure of right middle pulmonary vein (body structure)
443724003	T-D0882	Surgically constructed orifice between systemic venous pathway and left atrium (morphologic abnormality)
443726001	T-D0883	Neoaortic root (morphologic abnormality)
443789005	T-D0884	Surgically constructed bidirectional pathway from superior vena cava to pulmonary artery (morphologic abnormality)
443808008	T-C430B	Structure of intramammary lymph node (body structure)
443809000	T-D0885	Surgically constructed convergence of inferior and superior vena cava pathways into common pathway superior to atrioventricular valve (morphologic abnormality)
443829004	P0-06135	Percutaneous transluminal balloon angioplasty of coarctation of aorta with insertion of stent (procedure)
443844003	P5-08118	Positron emission tomography with computed tomography of whole body for neoplasm uptake of methionine (procedure)
443907004	T-D0886	Surgically constructed pathway from pulmonary veins to tricuspid valve (morphologic abnormality)
443989003	P1-36994	Bidirectional Glenn shunt procedure of left superior vena cava (procedure)
444001009	P1-36995	Right Glenn shunt procedure (procedure)
444034006	P1-36996	Bidirectional Glenn shunt procedure of right superior vena cava (procedure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
444161008	G-0586	Maternal history of insulin dependence (situation)
444177009	T-D0887	Surgically constructed pathway from superior vena cava to mitral valve (morphologic abnormality)
444178004	P1-36997	Left Glenn shunt procedure (procedure)
444329004	T-D0888	Surgically constructed pathway from inferior vena cava to mitral valve (morphologic abnormality)
444361000	R-40B10	Ventricular isovolumic relaxation (qualifier value)
444371003	R-40B11	Ventricular ejection (qualifier value)
444379001	R-40B12	Ventricular isovolumic contraction (qualifier value)
444389002	R-40B1B	Early diastole of cardiac cycle (qualifier value)
444392003	R-40B1C	Diastolic rapid inflow (qualifier value)
444469002	R-40B21	Diastasis of cardiac cycle (qualifier value)
444471002	F-051DF	Broselow Luten pediatric weight estimation red zone (finding)
444474005	F-051E0	Broselow Luten pediatric weight estimation blue zone (finding)
444488009	F-051E3	Broselow Luten pediatric weight estimation pink zone (finding)
444489001	F-051E4	Broselow Luten pediatric weight estimation purple zone (finding)
444496004	F-051E5	Broselow Luten pediatric weight estimation orange zone (finding)
444503000	F-051E6	Broselow Luten pediatric weight estimation green zone (finding)
444504006	F-051E7	Broselow Luten pediatric weight estimation white zone (finding)
444505007	F-051E8	Broselow Luten pediatric weight estimation yellow zone (finding)
444850002	G-D1E4	Via radial artery (qualifier value)
444883009	C-101E8	Distilled water (substance)
444923006	C-101E9	Tap water (substance)
445084008	A-010DA	Blue optical filter of optical microscope (physical object)
445169002	A-010DC	Infrared optical filter of optical microscope (physical object)
445185007	P1-103D3	Resurfacing of head of femur (procedure)
445254006	A-010DD	Ultraviolet optical filter of optical microscope (physical object)
445278001	A-010DE	Violet optical filter of optical microscope (physical object)
445279009	A-010DF	Red optical filter of optical microscope (physical object)
445282004	A-00D87	Intravascular optical coherence tomography imaging device (physical object)
445316008	A-0010F	Component of optical microscope (physical object)
445340000	A-010E0	Yellow-green optical filter of optical microscope (physical object)
445391002	A-010E1	Polarizing optical filter of optical microscope (physical object)
445465004	A-010E2	Green optical filter of optical mircroscope (physical object)
445601002	A-00118	Low power scanning lens of optical microscope (physical object)
445621001	A-0011A	High power nonimmersion lens of optical microscope (physical object)
445622008	A-0011B	Oil immersion lens of optical microscope (physical object)
445623003	A-0011C	Rheinberg filter of optical microscope (physical object)
445624009	A-0011D	Darkfield stop of optical microscope (physical object)
445625005	A-0011E	Phase contrast plate of optical microscope (physical object)
445633006	A-0011F	Nomarski prism of optical microscope (physical object)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
445634000	A-00120	Condenser annulus of optical microscope (physical object)
445635004	A-00121	Hoffman modulator of optical microscope (physical object)
445663002	A-00123	de Sénarmont compensator of optical microscope (physical object)
445671003	A-00124	Xenon arc lamp microscope illuminator (physical object)
445679001	A-00125	Tungsten halogen lamp microscope illuminator (physical object)
445683001	A-00126	Light emitting diode lamp microscope illuminator (physical object)
445685008	A-00127	Mercury arc lamp microscope illuminator (physical object)
446315002	P5-70694	Dynamic magnetic resonance imaging of pelvis (procedure)
446406008	R-40B32	Inhalation technique (qualifier value)
446531006	C-114B6	Iodine^131^ methylnorcholestenol (substance)
446534003	C-163B6	Technetium Tc^99m^ galactosyl human serum albumin diethylenetriamine pentaacetic acid (substance)
446535002	C-163B7	Technetium Tc^99m^ hydroxymethylene diphosphonate (substance)
446536001	C-163B8	Technetium Tc^99m^ mercaptoacetyltriglycine (substance)
446800006	C-145AA	Indium^111^ pentetreotide (substance)
446871009	C-145AB	Indium^111^ capromab pendetide (substance)
447122006	R-F2CD4	Intratumor route (qualifier value)
447125008	C-163B9	Technetium Tc^99m^ labeled carbon (substance)
447126009	C-163BA	Technetium Tc^99m^ N-pyridoxyl-5-methyltryptophan (substance)
447127000	C-163BB	Technetium Tc^99m^ phytate (substance)
447128005	C-163BC	Technetium Tc^99m^ stannous colloid (substance)
447134003	C-114AB	Iodine^123^ 15-(4-iodophenyl)-3(R,S)-methylpentadecanoic acid (substance)
447201007	C-163BD	Technetium Tc^99m^ dimercaptosuccinic acid (substance)
447295008	R-40644	Forensic intent (qualifier value)
447482001	L-87830	Genus Mus (organism)
447553000	C-101ED	^177^Lutetium (substance)
447612001	L-87831	Mus musculus (organism)
447996002	P0-06211	Intubation of respiratory tract (procedure)
448169003	L-00376	Felis catus (organism)
448216007	DF-00BEA	Malignant epithelial neoplasm of thyroid (disorder)
448442005	P2-22933	Transtracheal jet ventilation (procedure)
448771007	L-88124	Canis lupus subspecies familiaris (organism)
448895004	P1-0329D	Sampling for smear (procedure)
449310008	L-88423	Mustela putorius subspecies furo (organism)
450960006	T-D6515	Structure of mid portion of right coronary artery (body structure)
456992002	C-E0273	Fluorocholine F^18^ (substance)
456995000	C-E0269	Florbetapir F^18^ (substance)
456997008	C-E0267	Flutemetamol F^18^ (substance)
456999006	C-E0265	Fluciclatide F^18^ (substance)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
457000009	C-E026A	Fluciclovine F^18^ (substance)
464557001	R-FCBB8	Parenteral/enteral solution bag (physical object)
464983000	R-FCE69	Thermoluminescent radiation dosimeter (physical object)
467354001	R-FDF5C	Contrast medium injection system manifold kit (physical object)
468192005	R-FDB79	Air heating pad system (physical object)
468440006	R-FD5EB	Digital imager, radiation therapy (physical object)
473188002	DF-1147C	Dizziness due to drug (disorder)
698247007	R-FAE6C	Cardiac arrhythmia (disorder)
698348000	R-FAED1	Structure of ophthalmic segment of internal carotid artery (body structure)
699453001	R-FB322	Central incisor region of oral cavity (body structure)
699503005	R-FB354	Third molar region of oral cavity (body structure)
699505003	R-FB356	Second molar region of oral cavity (body structure)
699507006	R-FB358	First molar region of oral cavity (body structure)
699508001	R-FB359	Second premolar region of oral cavity (body structure)
699509009	R-FB35A	First premolar region of oral cavity (body structure)
699510004	R-FB35B	Canine region of oral cavity (body structure)
699511000	R-FB35C	Lateral incisor region of oral cavity (body structure)
700032006	R-FB565	Structure of occipital region of scalp (body structure)
701933006	R-FCC16	Metal-oxide semiconductor field-effect transistor radiation therapy dosimetry system radiation therapy dosimetry system dosimeter (physical object)
702391001	R-FB83F	Renal cell carcinoma (disorder)
702569007	R-FB8F1	Cone beam computed tomography imaging - action (qualifier value)
702767007	R-FB9B7	Positron emission tomography of whole body (procedure)
703842006	R-FBDEA	1-phenylpropan-2-amine (substance)
705541005	R-FEAEC	Rectal catheter (physical object)
706247001	R-FCCF2	Medical x-ray film (physical object)
706440002	R-FEEFF	Cartridge (physical object)
706484002	R-FDCFF	Body reference point marker (physical object)
706683002	R-FEEC3	Headrest (physical object)
706699008	R-FE814	Chair (physical object)
707009005	R-FC4CC	Supernumerary deciduous maxillary right second molar tooth (morphologic abnormality)
707010000	R-FC4CD	Supernumerary deciduous maxillary right first molar tooth (morphologic abnormality)
707011001	R-FC4CE	Supernumerary deciduous maxillary right canine tooth (morphologic abnormality)
707012008	R-FC4CF	Supernumerary deciduous maxillary right lateral incisor tooth (morphologic abnormality)
707013003	R-FC4D0	Supernumerary deciduous maxillary right central incisor tooth (morphologic abnormality)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
707014009	R-FC4D1	Supernumerary deciduous maxillary left central incisor tooth (morphologic abnormality)
707015005	R-FC4D2	Supernumerary deciduous maxillary left lateral incisor tooth (morphologic abnormality)
707016006	R-FC4D3	Supernumerary deciduous maxillary left canine tooth (morphologic abnormality)
707017002	R-FC4D4	Supernumerary deciduous maxillary left first molar tooth (morphologic abnormality)
707018007	R-FC4D5	Supernumerary deciduous maxillary left second molar tooth (morphologic abnormality)
707021009	R-FC4D8	Supernumerary deciduous mandibular right second molar tooth (morphologic abnormality)
707022002	R-FC4D9	Supernumerary deciduous mandibular right first molar tooth (morphologic abnormality)
707023007	R-FC4DA	Supernumerary deciduous mandibular right canine tooth (morphologic abnormality)
707024001	R-FC4DB	Supernumerary deciduous mandibular right lateral incisor tooth (morphologic abnormality)
707025000	R-FC4DC	Supernumerary deciduous mandibular right central incisor tooth (morphologic abnormality)
707026004	R-FC4DD	Supernumerary deciduous mandibular left central incisor tooth (morphologic abnormality)
707028003	R-FC4DF	Supernumerary deciduous mandibular left lateral incisor tooth (morphologic abnormality)
707029006	R-FC4E0	Supernumerary deciduous mandibular left canine tooth (morphologic abnormality)
707030001	R-FC4E1	Supernumerary deciduous mandibular left first molar tooth (morphologic abnormality)
707031002	R-FC4E2	Supernumerary deciduous mandibular left second molar tooth (morphologic abnormality)
707032009	R-FC4E3	Supernumerary permanent maxillary right third molar tooth (morphologic abnormality)
707033004	R-FC4E4	Supernumerary permanent maxillary right second molar tooth (morphologic abnormality)
707035006	R-FC4E6	Supernumerary permanent maxillary right first molar tooth (morphologic abnormality)
707036007	R-FC4E7	Supernumerary permanent maxillary right second premolar tooth (morphologic abnormality)
707037003	R-FC4E8	Supernumerary permanent maxillary right first premolar tooth (morphologic abnormality)
707038008	R-FC4E9	Supernumerary permanent maxillary right canine tooth (morphologic abnormality)
707039000	R-FC4EA	Supernumerary permanent maxillary right lateral incisor tooth (morphologic abnormality)
707041004	R-FC4EC	Supernumerary permanent maxillary right central incisor tooth (morphologic abnormality)
707042006	R-FC4ED	Supernumerary permanent maxillary left central incisor tooth (morphologic abnormality)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
707043001	R-FC4EE	Supernumerary permanent maxillary left lateral incisor tooth (morphologic abnormality)
707044007	R-FC4EF	Supernumerary permanent maxillary left canine tooth (morphologic abnormality)
707045008	R-FC4F0	Supernumerary permanent maxillary left first premolar tooth (morphologic abnormality)
707046009	R-FC4F1	Supernumerary permanent maxillary left second premolar tooth (morphologic abnormality)
707047000	R-FC4F2	Supernumerary permanent maxillary left first molar tooth (morphologic abnormality)
707048005	R-FC4F3	Supernumerary permanent maxillary left second molar tooth (morphologic abnormality)
707049002	R-FC4F4	Supernumerary permanent maxillary left third molar tooth (morphologic abnormality)
707052005	R-FC4F7	Supernumerary permanent mandibular left third molar tooth (morphologic abnormality)
707054006	R-FC4F9	Supernumerary permanent mandibular left second molar tooth (morphologic abnormality)
707055007	R-FC4FA	Supernumerary permanent mandibular left first molar tooth (morphologic abnormality)
707056008	R-FC4FB	Supernumerary permanent mandibular left second premolar tooth (morphologic abnormality)
707057004	R-FC4FC	Supernumerary permanent mandibular left first premolar tooth (morphologic abnormality)
707058009	R-FC4FD	Supernumerary permanent mandibular left canine tooth (morphologic abnormality)
707059001	R-FC4FE	Supernumerary permanent mandibular left lateral incisor tooth (morphologic abnormality)
707060006	R-FC4FF	Supernumerary permanent mandibular left central incisor tooth (morphologic abnormality)
707061005	R-FC500	Supernumerary permanent mandibular right central incisor tooth (morphologic abnormality)
707062003	R-FC501	Supernumerary permanent mandibular right lateral incisor tooth (morphologic abnormality)
707063008	R-FC502	Supernumerary permanent mandibular right canine tooth (morphologic abnormality)
707064002	R-FC503	Supernumerary permanent mandibular right first premolar tooth (morphologic abnormality)
707065001	R-FC504	Supernumerary permanent mandibular right second premolar tooth (morphologic abnormality)
707066000	R-FC505	Supernumerary permanent mandibular right first molar tooth (morphologic abnormality)
707067009	R-FC506	Supernumerary permanent mandibular right second molar tooth (morphologic abnormality)
707068004	R-FC507	Supernumerary permanent mandibular right third molar tooth (morphologic abnormality)
708174004	R-FF0C4	Interventional radiology service (qualifier value)
709853007	L-DA692	Canis lupus dingo (organism)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
710864009	D3-80086	Dissection of artery (disorder)
711101009	R-FF2E7	Anatomical point (body structure)
712736002	C-D6858	Florbetaben [18F] (substance)
714754004	T-F6724	Structure of lateral calf perforator (body structure)
714759009	T-F6713	Structure of thigh perforator (body structure)
716891004	R0-00017	Structure of basal part of anterior fibromuscular stroma of prostate (body structure)
716892006	R-FFFF2	Structure of basal part of anterior fibromuscular stroma of right half prostate (body structure)
716893001	R-FFFDC	Structure of basal part of anterior fibromuscular stroma of left half prostate (body structure)
716894007	R-FFFBE	Structure of basal part of transition zone of right half prostate (body structure)
716895008	R0-00020	Structure of basal part of transition zone of left half prostate (body structure)
716896009	R0-00000	Structure of anterior basal part of transition zone of right half prostate (body structure)
716897000	R-FFFD6	Structure of anterior basal part of transition zone of left half prostate (body structure)
716898005	R-FFFB1	Structure of posterior basal part of transition zone of right half prostate (body structure)
716899002	R-FFFB7	Structure of posterior basal part of transition zone of left half prostate (body structure)
716900007	R-FFFD0	Structure of central zone of right half prostate (body structure)
716901006	R-FFFFC	Structure of central zone of left half prostate (body structure)
716902004	R0-00018	Structure of basal part of peripheral zone of right half prostate (body structure)
716903009	R-FFFC4	Structure of basal part of peripheral zone of left half prostate (body structure)
716904003	R-FFFE2	Structure of anterior basal part of peripheral zone of right half prostate (body structure)
716905002	R0-00001	Structure of anterior basal part of peripheral zone of left half prostate (body structure)
716906001	R0-0001E	Structure of posterolateral basal part of peripheral zone of right half prostate (body structure)
716907005	R-FFFC2	Structure of posterolateral basal part of peripheral zone of left half prostate (body structure)
716908000	R-FFFE0	Structure of middle regional part of anterior fibromuscular stroma of prostate (body structure)
716909008	R0-00004	Structure of middle regional part of anterior fibromuscular stroma of right half prostate (body structure)
716910003	R0-00027	Structure of middle regional part of anterior fibromuscular stroma of left half prostate (body structure)
716911004	R-FFFB6	Structure of middle regional part of transition zone of right half prostate (body structure)
716912006	R-FFFD5	Structure of middle regional part of transition zone of left half prostate (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
716913001	R-FFFF4	Structure of anterior middle regional part of transition zone of right half prostate (body structure)
716914007	R0-00013	Structure of anterior middle regional part of transition zone of left half prostate (body structure)
716915008	R-FFFC9	Structure of posterior middle regional part of transition zone of right half prostate (body structure)
716916009	R-FFFAB	Structure of posterior middle regional part of transition zone of left half prostate (body structure)
716917000	R0-0000F	Structure of lateral middle regional part of peripheral zone of right half prostate (body structure)
716918005	R-FFFE6	Structure of lateral middle regional part of peripheral zone of left half prostate (body structure)
716919002	R-FFFCD	Structure of anterior middle regional part of peripheral zone of right half prostate (body structure)
716920008	R-FFFB0	Structure of anterior middle regional part of peripheral zone of left half prostate (body structure)
716921007	R0-0000C	Structure of posterolateral middle regional part of peripheral zone of right half prostate (body structure)
716922000	R-FFFE9	Structure of posterolateral middle regional part of peripheral zone of left half prostate (body structure)
716923005	R-FFFD4	Structure of posteromedial middle regional part of peripheral zone of right half prostate (body structure)
716924004	R-FFFB5	Structure of posteromedial middle regional part of peripheral zone of left half prostate (body structure)
716925003	R0-0001B	Structure of apical part of anterior fibromuscular stroma of prostate (body structure)
716926002	R-FFFFD	Structure of apical part of anterior fibromuscular stroma of right half prostate (body structure)
716927006	R-FFFDF	Structure of apical part of anterior fibromuscular stroma of left half prostate (body structure)
716928001	R-FFFC1	Structure of apical part of transition zone of right half prostate (body structure)
716929009	R-FFFA9	Structure of apical part of transition zone of left half prostate (body structure)
716930004	R0-00006	Structure of anterior apical part of transition zone of right half prostate (body structure)
716931000	R-FFFE5	Structure of anterior apical part of transition zone of left half prostate (body structure)
716932007	R-FFFF3	Structure of posterior apical part of transition zone of right half prostate (body structure)
716933002	R0-00014	Structure of posterior apical part of transition zone of left half prostate (body structure)
716934008	R-FFFB3	Structure of apical part of peripheral zone of right half prostate (body structure)
716935009	R-FFFD3	Structure of apical part of peripheral zone of left half prostate (body structure)
716936005	R0-00003	Structure of anterior apical part of peripheral zone of right half prostate (body structure)

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
716937001	R0-00025	Structure of anterior apical part of peripheral zone of left half prostate (body structure)
716938006	R-FFFC0	Structure of posterolateral apical part of peripheral zone of right half prostate (body structure)
716939003	R-FFFDD	Structure of posterolateral apical part of peripheral zone of left half prostate (body structure)
716940001	R-FFFEA	Structure of posteromedial apical part of peripheral zone of right half prostate (body structure)
716941002	R0-0000B	Structure of posteromedial apical part of peripheral zone of left half prostate (body structure)
717027004	R-FFFD9	Structure of male external urethral sphincter (body structure)