

**OHSU**  
**Cardiology and Radiology Code List**

| Category | CPT® Code    | CPT® Code Description                                                                                                                                                                                                                                                                                | Requires PA |
|----------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| CID      | <b>33206</b> | Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial                                                                                                                                                                                                         | Yes         |
| CID      | <b>33207</b> | Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular                                                                                                                                                                                                    | Yes         |
| CID      | <b>33208</b> | Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular                                                                                                                                                                                         | Yes         |
| CID      | <b>33212</b> | Insertion of pacemaker pulse generator only; with existing single lead                                                                                                                                                                                                                               | Yes         |
| CID      | <b>33213</b> | Insertion of pacemaker pulse generator only; with existing dual leads                                                                                                                                                                                                                                | Yes         |
| CID      | <b>33214</b> | Upgrade of implanted pacemaker system, conversion of single chamber system to dual chamber system (includes removal of previously placed pulse generator, testing of existing lead, insertion of new lead, insertion of new generator)                                                               | Yes         |
| CID      | <b>33221</b> | Insertion of pacemaker pulse generator only; with existing multiple leads                                                                                                                                                                                                                            | Yes         |
| CID      | <b>33224</b> | Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, with attachment to previously placed pacemaker or pacing cardioverter-defibrillator pulse generator (including revision of pocket, removal, insertion, and/or replacement of existing generator)                  | Yes         |
| CID      | <b>33225</b> | Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, at time of insertion of pacing cardioverter-defibrillator or pacemaker pulse generator (including upgrade to dual chamber system and pocket revision) (list separately in addition to code for primary procedure) | Yes         |
| CID      | <b>33227</b> | Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; single lead system                                                                                                                                                                                     | Yes         |
| CID      | <b>33228</b> | Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; dual lead system                                                                                                                                                                                       | Yes         |
| CID      | <b>33229</b> | Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system                                                                                                                                                                                   | Yes         |
| CID      | <b>33230</b> | Insertion of pacing cardioverter-defibrillator pulse generator only; with existing dual leads                                                                                                                                                                                                        | Yes         |
| CID      | <b>33231</b> | Insertion of pacing cardioverter-defibrillator pulse generator only; with existing multiple leads                                                                                                                                                                                                    | Yes         |
| CID      | <b>33240</b> | Insertion of pacing cardioverter-defibrillator pulse generator only; with existing single lead                                                                                                                                                                                                       | Yes         |

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|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| CID      | 33249     | Insertion or replacement of permanent pacing cardioverter-defibrillator system with transvenous lead(s), single or dual chamber                          | Yes         |
| CID      | 33262     | Removal of pacing cardioverter-defibrillator pulse generator with replacement of pacing cardioverter-defibrillator pulse generator; single lead system   | Yes         |
| CID      | 33263     | Removal of pacing cardioverter-defibrillator pulse generator with replacement of pacing cardioverter-defibrillator pulse generator; dual lead system     | Yes         |
| CID      | 33264     | Removal of pacing cardioverter-defibrillator pulse generator with replacement of pacing cardioverter-defibrillator pulse generator; multiple lead system | Yes         |
| MRI      | 70336     | M R I T M J                                                                                                                                              | Yes         |
| CT       | 70450     | C T Head Without Contrast                                                                                                                                | Yes         |
| CT       | 70460     | C T Head With Contrast                                                                                                                                   | Yes         |
| CT       | 70470     | C T Head Without & With Contrast                                                                                                                         | Yes         |
| CT       | 70480     | C T Orbit Without Contrast                                                                                                                               | Yes         |
| CT       | 70481     | C T Orbit With Contrast                                                                                                                                  | Yes         |
| CT       | 70482     | C T Orbit Without & With Contrast                                                                                                                        | Yes         |
| CT       | 70486     | C T Maxillofacial Without Contrast                                                                                                                       | Yes         |
| CT       | 70487     | C T Maxillofacial With Contrast                                                                                                                          | Yes         |
| CT       | 70488     | C T Maxillofacial Without & With Contrast                                                                                                                | Yes         |
| CT       | 70490     | C T Soft Tissue Neck Without Contrast                                                                                                                    | Yes         |
| CT       | 70491     | C T Soft Tissue Neck With Contrast                                                                                                                       | Yes         |
| CT       | 70492     | C T Soft Tissue Neck Without & With Contrast                                                                                                             | Yes         |
| CT       | 70496     | C T Angiography Head                                                                                                                                     | Yes         |
| CT       | 70498     | C T Angiography Neck                                                                                                                                     | Yes         |
| MRI      | 70540     | M R I Orbit, Face, and/or Neck Without Contrast                                                                                                          | Yes         |
| MRI      | 70542     | M R I Face, Orbit, and/or Neck With Contrast                                                                                                             | Yes         |
| MRI      | 70543     | M R I Face, Orbit, and/or Neck With & Without Contrast                                                                                                   | Yes         |
| MRA      | 70544     | M R A Head Without Contrast                                                                                                                              | Yes         |
| MRA      | 70545     | M R A Head With Contrast                                                                                                                                 | Yes         |
| MRA      | 70546     | M R A Head With & Without Contrast                                                                                                                       | Yes         |
| MRA      | 70547     | M R A Neck Without Contrast                                                                                                                              | Yes         |
| MRA      | 70548     | M R A Neck With Contrast                                                                                                                                 | Yes         |
| MRA      | 70549     | M R A Neck With & Without Contrast                                                                                                                       | Yes         |
| MRI      | 70551     | M R I Head Without Contrast                                                                                                                              | Yes         |
| MRI      | 70552     | M R I Head With Contrast                                                                                                                                 | Yes         |
| MRI      | 70553     | M R I Head With & Without Contrast                                                                                                                       | Yes         |
| CT       | 71250     | Computed tomography, thorax, diagnostic; without contrast material                                                                                       | Yes         |

| Category | CPT® Code | CPT® Code Description                                                                                                              | Requires PA |
|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------|-------------|
| CT       | 71260     | Computed tomography, thorax, diagnostic; with contrast material(s)                                                                 | Yes         |
| CT       | 71270     | Computed tomography, thorax, diagnostic; without contrast material, followed by contrast material(s) and further sections          | Yes         |
| CT       | 71271     | Computed tomography, thorax, low dose for lung cancer screening, without contrast material(s)                                      | Yes         |
| CT       | 71275     | C T Angiography Chest Without Contrast Material, Followed by Contrast Material and Further Sections,Including Image Postprocessing | Yes         |
| MRI      | 71550     | M R I Chest Without Contrast                                                                                                       | Yes         |
| MRI      | 71551     | M R I Chest With Contrast                                                                                                          | Yes         |
| MRI      | 71552     | M R I Chest With & Without Contrast                                                                                                | Yes         |
| MRA      | 71555     | M R A Chest (Excluding Myocardium) With Or Without Contrast                                                                        | Yes         |
| CT       | 72125     | C T Cervical Spine Without Contrast                                                                                                | Yes         |
| CT       | 72126     | C T Cervical Spine With Contrast                                                                                                   | Yes         |
| CT       | 72127     | C T Cervical Spine Without & With Contrast                                                                                         | Yes         |
| CT       | 72128     | C T Thoracic Spine Without Contrast                                                                                                | Yes         |
| CT       | 72129     | C T Thoracic Spine With Contrast                                                                                                   | Yes         |
| CT       | 72130     | C T Thoracic Spine Without & With Contrast                                                                                         | Yes         |
| CT       | 72131     | C T Lumbar Spine Without Contrast                                                                                                  | Yes         |
| CT       | 72132     | C T Lumbar Spine With Contrast                                                                                                     | Yes         |
| CT       | 72133     | C T Lumbar Spine Without & With Contrast                                                                                           | Yes         |
| MRI      | 72141     | M R I Cervical Spine Without Contrast                                                                                              | Yes         |
| MRI      | 72142     | M R I Cervical Spine With Contrast                                                                                                 | Yes         |
| MRI      | 72146     | M R I Thoracic Spine Without Contrast                                                                                              | Yes         |
| MRI      | 72147     | M R I Thoracic Spine With Contrast                                                                                                 | Yes         |
| MRI      | 72148     | M R I Lumbar Spine Without Contrast                                                                                                | Yes         |
| MRI      | 72149     | M R I Lumbar Spine With Contrast                                                                                                   | Yes         |
| MRI      | 72156     | M R I Cervical Spine With & Without Contrast                                                                                       | Yes         |
| MRI      | 72157     | M R I Thoracic Spine With & Without Contrast                                                                                       | Yes         |
| MRI      | 72158     | M R I Lumbar Spine With & Without Contrast                                                                                         | Yes         |
| MRA      | 72159     | M R A Spinal Canal With Or Without Contrast                                                                                        | Yes         |
| CT       | 72191     | C T Angiography Pelvis                                                                                                             | Yes         |
| CT       | 72192     | C T Pelvis Without Contrast                                                                                                        | Yes         |
| CT       | 72193     | C T Pelvis With Contrast                                                                                                           | Yes         |
| CT       | 72194     | C T Pelvis Without & With Contrast                                                                                                 | Yes         |
| MRI      | 72195     | M R I Pelvis Without Contrast                                                                                                      | Yes         |
| MRI      | 72196     | M R I Pelvis With Contrast                                                                                                         | Yes         |
| MRI      | 72197     | M R I Pelvis With & Without Contrast                                                                                               | Yes         |

Effective: 1/1/2025

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|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| MRA      | 72198     | M R A Pelvis With Or Without Contrast                                                                                                                                             | Yes         |
| CT       | 73200     | C T Upper Extremity Without Contrast                                                                                                                                              | Yes         |
| CT       | 73201     | C T Upper Extremity With Contrast                                                                                                                                                 | Yes         |
| CT       | 73202     | C T Upper Extremity Without & With Contrast                                                                                                                                       | Yes         |
| CT       | 73206     | C T Angiography Upper Extremity                                                                                                                                                   | Yes         |
| MRI      | 73218     | M R I Upper Extremity Without Contrast                                                                                                                                            | Yes         |
| MRI      | 73219     | M R I Upper Extremity With Contrast                                                                                                                                               | Yes         |
| MRI      | 73220     | M R I Upper Extremity With & Without Contrast                                                                                                                                     | Yes         |
| MRI      | 73221     | M R I Upper Extremity Joint Without Contrast                                                                                                                                      | Yes         |
| MRI      | 73222     | M R I Upper Extremity Joint With Contrast                                                                                                                                         | Yes         |
| MRI      | 73223     | M R I Upper Extremity Joint With & Without Contrast                                                                                                                               | Yes         |
| MRA      | 73225     | M R A Upper Extremity With Or Without Contrast                                                                                                                                    | Yes         |
| CT       | 73700     | C T Lower Extremity Without Contrast                                                                                                                                              | Yes         |
| CT       | 73701     | C T Lower Extremity With Contrast                                                                                                                                                 | Yes         |
| CT       | 73702     | C T Lower Extremity Without & With Contrast                                                                                                                                       | Yes         |
| CT       | 73706     | C T Angiography Lower Extremity                                                                                                                                                   | Yes         |
| MRI      | 73718     | M R I Lower Extremity Without Contrast                                                                                                                                            | Yes         |
| MRI      | 73719     | M R I Lower Extremity With Contrast                                                                                                                                               | Yes         |
| MRI      | 73720     | M R I Lower Extremity With & Without Contrast                                                                                                                                     | Yes         |
| MRI      | 73721     | M R I Lower Extremity Joint Without Contrast                                                                                                                                      | Yes         |
| MRI      | 73722     | M R I Lower Extremity Joint With Contrast                                                                                                                                         | Yes         |
| MRI      | 73723     | M R I Lower Extremity Joint With & Without Contrast                                                                                                                               | Yes         |
| MRA      | 73725     | M R A Lower Extremity With Or Without Contrast                                                                                                                                    | Yes         |
| CT       | 74150     | C T Abdomen Without Contrast                                                                                                                                                      | Yes         |
| CT       | 74160     | C T Abdomen With Contrast                                                                                                                                                         | Yes         |
| CT       | 74170     | C T Abdomen Without & With Contrast                                                                                                                                               | Yes         |
| CT       | 74174     | CT angiography, abdomen and pelvis, with contrast material(s), including noncontrast images, if performed, and image postprocessing                                               | Yes         |
| CT       | 74175     | C T Angiography Abdomen                                                                                                                                                           | Yes         |
| CT       | 74176     | CT Abdomen And Pelvis Without Contrast                                                                                                                                            | Yes         |
| CT       | 74177     | CT Abdomen And Pelvis With Contrast                                                                                                                                               | Yes         |
| CT       | 74178     | Computed Tomography, Abdomen And Pelvis; Without Contrast Material In One Or Both Body Regions, Followed By Contrast Material(S) And Further Sections In One Or Both Body Regions | Yes         |
| MRI      | 74181     | M R I Abdomen Without Contrast                                                                                                                                                    | Yes         |
| MRI      | 74182     | M R I Abdomen With Contrast                                                                                                                                                       | Yes         |
| MRI      | 74183     | M R I Abdomen With & Without Contrast                                                                                                                                             | Yes         |

| Category | CPT® Code    | CPT® Code Description                                                                                                                                                                                                                                                                                                                          | Requires PA                             |
|----------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| MRA      | <b>74185</b> | M R A Abdomen With Or Without Contrast                                                                                                                                                                                                                                                                                                         | Yes                                     |
| MRI      | <b>74712</b> | Magnetic resonance (eg, proton) imaging, fetal, including placental and maternal pelvic imaging when performed; single or first gestation                                                                                                                                                                                                      | Yes                                     |
| MRI      | <b>74713</b> | Magnetic resonance (eg, proton) imaging, fetal, including placental and maternal pelvic imaging when performed; each additional gestation (List separately in addition to code for primary procedure)                                                                                                                                          | Yes                                     |
| CMRI     | <b>75557</b> | Cardiac magnetic resonance imaging for morphology and function without contrast material                                                                                                                                                                                                                                                       | Yes                                     |
| CMRI     | <b>75559</b> | Cardiac magnetic resonance imaging for morphology and function without contrast material; with stress imaging                                                                                                                                                                                                                                  | Yes                                     |
| CMRI     | <b>75561</b> | Cardiac magnetic resonance imaging for morphology and function without contrast material(s), followed by contrast material(s) and further sequences                                                                                                                                                                                            | Yes                                     |
| CMRI     | <b>75563</b> | Cardiac magnetic resonance imaging for morphology and function without contrast material(s), followed by contrast material(s) and further sequences; with stress imaging                                                                                                                                                                       | Yes                                     |
| CMRI     | <b>75565</b> | Cardiac magnetic resonance imaging for velocity flow mapping (list separately in addition to code for primary procedure)                                                                                                                                                                                                                       | Approvable on Claim if Primary Approved |
| CCTA     | <b>75573</b> | Computed tomography, heart, with contrast material, for evaluation of cardiac structure and morphology in the setting of congenital heart disease (including 3D image postprocessing, assessment of left ventricular [LV] cardiac function, right ventricular [RV] structure and function and evaluation of vascular structures, if performed) | Yes                                     |
| CT       | <b>75635</b> | C T Angiography Abdominal Aorta                                                                                                                                                                                                                                                                                                                | Yes                                     |
| CT       | <b>76380</b> | C T Limited Or Localized Follow-Up Study                                                                                                                                                                                                                                                                                                       | Yes                                     |
| MRI      | <b>76390</b> | M R I Spectroscopy                                                                                                                                                                                                                                                                                                                             | Yes                                     |
| MRI      | <b>76391</b> | Magnetic resonance (eg, vibration) elastography                                                                                                                                                                                                                                                                                                | Yes                                     |
| CT       | <b>76497</b> | Unlisted computed tomography procedure                                                                                                                                                                                                                                                                                                         | Yes                                     |
| MRI      | <b>76498</b> | Unlisted MRI Procedure                                                                                                                                                                                                                                                                                                                         | Yes                                     |
| BMRI     | <b>77046</b> | Magnetic resonance imaging, breast, without contrast material; unilateral                                                                                                                                                                                                                                                                      | Yes                                     |
| BMRI     | <b>77047</b> | Magnetic resonance imaging, breast, without contrast material; bilateral                                                                                                                                                                                                                                                                       | Yes                                     |
| BMRI     | <b>77048</b> | Magnetic resonance imaging, breast, without and with contrast material(s), including computer-aided detection (CAD real-time lesion detection, characterization and pharmacokinetic analysis), when performed; unilateral                                                                                                                      | Yes                                     |
| BMRI     | <b>77049</b> | Magnetic resonance imaging, breast, without and with contrast material(s), including computer-aided detection (CAD real-time lesion detection, characterization and pharmacokinetic analysis), when performed; bilateral                                                                                                                       | Yes                                     |
| CT       | <b>77078</b> | Computed Tomography, bone mineral density study, 1 or more sites; axial skeleton                                                                                                                                                                                                                                                               | Yes                                     |
| NUC MED  | <b>78012</b> | Thyroid uptake, single or multiple quantitative measurement(s) (including stimulation, suppression, or discharge, when performed)                                                                                                                                                                                                              | Yes                                     |
| NUC MED  | <b>78013</b> | Thyroid imaging (including vascular flow, when performed)                                                                                                                                                                                                                                                                                      | Yes                                     |
| NUC MED  | <b>78014</b> | Thyroid imaging (including vascular flow, when performed); with single or multiple uptake(s) quantitative measurement(s) (including stimulation, suppression, or discharge, when performed)                                                                                                                                                    | Yes                                     |
| NUC MED  | <b>78015</b> | Thyroid Met Imaging                                                                                                                                                                                                                                                                                                                            | Yes                                     |
| NUC MED  | <b>78016</b> | Thyroid Met Imaging With Additional Studies                                                                                                                                                                                                                                                                                                    | Yes                                     |

| Category | CPT® Code    | CPT® Code Description                                                                                                                                                        | Requires PA |
|----------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| NUC MED  | <b>78018</b> | Thyroid Scan Whole Body                                                                                                                                                      | Yes         |
| NUC MED  | <b>78020</b> | Thyroid Carcinoma Metastases Uptake                                                                                                                                          | Yes         |
| NUC MED  | <b>78070</b> | Parathyroid planar imaging (including subtraction, when performed)                                                                                                           | Yes         |
| NUC MED  | <b>78071</b> | Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT)                                                                                 | Yes         |
| NUC MED  | <b>78072</b> | Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT), and concurrently acquired computed tomography (CT) for anatomical localization | Yes         |
| NUC MED  | <b>78075</b> | Adrenal Nuclear Imaging                                                                                                                                                      | Yes         |
| NUC MED  | <b>78102</b> | Bone Marrow Imaging, Limited                                                                                                                                                 | Yes         |
| NUC MED  | <b>78103</b> | Bone Marrow Imaging, Multiple                                                                                                                                                | Yes         |
| NUC MED  | <b>78104</b> | Bone Marrow Imaging, Whole Body                                                                                                                                              | Yes         |
| NUC MED  | <b>78185</b> | Spleen Imaging With & Without Vascular Flow                                                                                                                                  | Yes         |
| NUC MED  | <b>78195</b> | Lymph System Imaging                                                                                                                                                         | Yes         |
| NUC MED  | <b>78201</b> | Liver Imaging                                                                                                                                                                | Yes         |
| NUC MED  | <b>78202</b> | Liver Imaging With Flow                                                                                                                                                      | Yes         |
| NUC MED  | <b>78215</b> | Liver & Spleen Imaging                                                                                                                                                       | Yes         |
| NUC MED  | <b>78216</b> | Liver & Spleen Imaging With Flow                                                                                                                                             | Yes         |
| NUC MED  | <b>78226</b> | Hepatobiliary system imaging, including gallbladder when present;                                                                                                            | Yes         |
| NUC MED  | <b>78227</b> | Hepatobiliary system imaging, including gallbladder when present; with pharmacologic intervention, including quantitative measurement(s) when performed                      | Yes         |
| NUC MED  | <b>78230</b> | Salivary Gland Imaging                                                                                                                                                       | Yes         |
| NUC MED  | <b>78231</b> | Serial Salivary Gland                                                                                                                                                        | Yes         |
| NUC MED  | <b>78232</b> | Salivary Gland Function Exam                                                                                                                                                 | Yes         |
| NUC MED  | <b>78258</b> | Esophagus Motility Study                                                                                                                                                     | Yes         |
| NUC MED  | <b>78261</b> | Gastric Mucosa Imaging                                                                                                                                                       | Yes         |
| NUC MED  | <b>78262</b> | Gastroesophageal Reflux Exam                                                                                                                                                 | Yes         |
| NUC MED  | <b>78264</b> | Gastric Emptying Study                                                                                                                                                       | Yes         |
| NUC MED  | <b>78278</b> | GI Bleeder Scan                                                                                                                                                              | Yes         |
| NUC MED  | <b>78290</b> | Meckels Diverticulum Imaging                                                                                                                                                 | Yes         |
| NUC MED  | <b>78291</b> | Leveen Shunt Patency Exam                                                                                                                                                    | Yes         |
| NUC MED  | <b>78300</b> | Bone Or Joint Imaging Limited                                                                                                                                                | Yes         |
| NUC MED  | <b>78305</b> | Bone Or Joint Imaging Multiple                                                                                                                                               | Yes         |
| NUC MED  | <b>78306</b> | Bone Scan Whole Body                                                                                                                                                         | Yes         |
| NUC MED  | <b>78315</b> | Bone Scan 3 Phase Study                                                                                                                                                      | Yes         |
| NUC CARD | <b>78414</b> | Non-Imaging Heart Function                                                                                                                                                   | Yes         |
| NUC CARD | <b>78428</b> | Cardiac Shunt Imaging                                                                                                                                                        | Yes         |

| Category | CPT® Code    | CPT® Code Description                                                                                                                                                                                                                                                                                                                           | Requires PA                   |
|----------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| NUC CARD | <b>78430</b> | Myocardial imaging, positron emission tomography (PET), perfusion study (including ventricular wall motion[s] and/or ejection fraction[s], when performed); single study, at rest or stress (exercise or pharmacologic), with concurrently acquired computed tomography transmission scan                                                       | Yes                           |
| NUC CARD | <b>78431</b> | Myocardial imaging, positron emission tomography (PET), perfusion study (including ventricular wall motion[s] and/or ejection fraction[s], when performed); multiple studies at rest and stress (exercise or pharmacologic), with concurrently acquired computed tomography transmission scan                                                   | Yes                           |
| NUC CARD | <b>78432</b> | Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability);                                                                                                     | Yes                           |
| NUC CARD | <b>78433</b> | Myocardial imaging, positron emission tomography (PET), combined perfusion with metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), dual radiotracer (eg, myocardial viability); with concurrently acquired computed tomography transmission scan                                    | Yes                           |
| NUC MED  | <b>78445</b> | Radionuclide Venogram Non-Cardiac                                                                                                                                                                                                                                                                                                               | Yes                           |
| NUC CARD | <b>78451</b> | 78451 myocardial perfusion imaging, tomographic (spect) including attenuation correction, qualitative or quantitative wall motion, ejection fraction by first pass or gated technique, additional quantification, when performed); single study, at rest or stress (exercise or pharmacologic)                                                  | Yes                           |
| NUC CARD | <b>78452</b> | Myocardial perfusion imaging, tomographic (spect) (including attenuation correction, qualitative or quantitative wall motion, ejection fraction by first pass or gated technique, additional quantification, when performed); multiple studies, at rest and/or stress (exercise or pharmacologic) and/or redistribution and/or rest reinjection | Yes                           |
| NUC CARD | <b>78453</b> | Myocardial perfusion imaging, planar (including qualitative or quantitative wall motion, ejection fraction by first pass or gated technique, additional quantification, when performed); single study, at rest or stress (exercise or pharmacologic)                                                                                            | Yes                           |
| NUC CARD | <b>78454</b> | Myocardial perfusion imaging, planar (including qualitative or quantitative wall motion, ejection fraction by first pass or gated technique, additional quantification, when performed); multiple studies, at rest and/or stress (exercise or pharmacologic) and/or redistribution and/or rest reinjection                                      | Yes                           |
| NUC MED  | <b>78457</b> | Venous Thrombosis Imaging Unilateral                                                                                                                                                                                                                                                                                                            | redirect to CTA, MRA, vasc US |
| NUC MED  | <b>78458</b> | Venous Thrombosis Images, Bilateral                                                                                                                                                                                                                                                                                                             | redirect to CTA, MRA, vasc US |
| NUC CARD | <b>78466</b> | Myocardial Infarction Scan                                                                                                                                                                                                                                                                                                                      | Yes                           |
| NUC CARD | <b>78468</b> | Heart Infarct Image Ejection Fraction                                                                                                                                                                                                                                                                                                           | Yes                           |
| NUC CARD | <b>78469</b> | Heart Infarct Image 3D SPECT                                                                                                                                                                                                                                                                                                                    | Yes                           |
| NUC CARD | <b>78472</b> | Cardiac Bloodpool Img, Single                                                                                                                                                                                                                                                                                                                   | Yes                           |
| NUC CARD | <b>78473</b> | Cardiac Bloodpool Img, Multi                                                                                                                                                                                                                                                                                                                    | Yes                           |
| NUC CARD | <b>78481</b> | Heart First Pass Single                                                                                                                                                                                                                                                                                                                         | Yes                           |
| NUC CARD | <b>78483</b> | Cardiac Blood Pool Imaging -- Multiple                                                                                                                                                                                                                                                                                                          | Yes                           |
| NUC CARD | <b>78494</b> | Cardiac Blood Pool Imaging , SPECT                                                                                                                                                                                                                                                                                                              | Yes                           |
| NUC CARD | <b>78496</b> | Cardiac blood pool imaging, gated equilibrium, single study, at rest, with right ventricular ejection fraction by first pass technique (List separately in addition to code for primary procedure)                                                                                                                                              | Yes                           |

| Category | CPT® Code    | CPT® Code Description                                                                                                                                                                                                                                                                                                                                                | Requires PA                                         |
|----------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| NUC CARD | <b>78499</b> | Unlisted Cardiovascular Procedure                                                                                                                                                                                                                                                                                                                                    | Unlisted procedure, redirect to a more specific CPT |
| NUC MED  | <b>78579</b> | Pulmonary ventilation imaging (eg, aerosol or gas)                                                                                                                                                                                                                                                                                                                   | Yes                                                 |
| NUC MED  | <b>78580</b> | Pulmonary perfusion imaging (eg, particulate)                                                                                                                                                                                                                                                                                                                        | Yes                                                 |
| NUC MED  | <b>78582</b> | Pulmonary ventilation (eg, aerosol or gas) and perfusion imaging                                                                                                                                                                                                                                                                                                     | Yes                                                 |
| NUC MED  | <b>78597</b> | Quantitative differential pulmonary perfusion, including imaging when performed                                                                                                                                                                                                                                                                                      | Yes                                                 |
| NUC MED  | <b>78598</b> | Quantitative differential pulmonary perfusion and ventilation (eg, aerosol or gas), including imaging when performed                                                                                                                                                                                                                                                 | Yes                                                 |
| NUC MED  | <b>78600</b> | Brain Imaging Limited Static                                                                                                                                                                                                                                                                                                                                         | Yes                                                 |
| NUC MED  | <b>78601</b> | Brain Limited Imaging And Flow                                                                                                                                                                                                                                                                                                                                       | Yes                                                 |
| NUC MED  | <b>78605</b> | Brain Imaging Complete                                                                                                                                                                                                                                                                                                                                               | Yes                                                 |
| NUC MED  | <b>78606</b> | Brain Imaging Complete With Flow                                                                                                                                                                                                                                                                                                                                     | Yes                                                 |
| PET      | <b>78608</b> | Brain Imaging, Positron Emission Tomography (PET) Metabolic Evaluation                                                                                                                                                                                                                                                                                               | Yes                                                 |
| PET      | <b>78609</b> | Brain Imaging, Positron Emission Tomography (PET) Perfusion Evaluation                                                                                                                                                                                                                                                                                               | Yes                                                 |
| NUC MED  | <b>78610</b> | Brain Flow Imaging Only                                                                                                                                                                                                                                                                                                                                              | Yes                                                 |
| NUC MED  | <b>78630</b> | Cisternogram (Cerebrospinal Fluid Flow)                                                                                                                                                                                                                                                                                                                              | Yes                                                 |
| NUC MED  | <b>78635</b> | Cerebrospinal Ventriculography                                                                                                                                                                                                                                                                                                                                       | Yes                                                 |
| NUC MED  | <b>78645</b> | CSF Shunt Evaluation                                                                                                                                                                                                                                                                                                                                                 | Yes                                                 |
| NUC MED  | <b>78650</b> | C S F Leakage Detection And Localization                                                                                                                                                                                                                                                                                                                             | Yes                                                 |
| NUC MED  | <b>78660</b> | Radiopharmaceutical Dacryocystography                                                                                                                                                                                                                                                                                                                                | Yes                                                 |
| NUC MED  | <b>78700</b> | Kidney Imaging Morphology                                                                                                                                                                                                                                                                                                                                            | Yes                                                 |
| NUC MED  | <b>78701</b> | Kidney Imaging With Vascular Flow                                                                                                                                                                                                                                                                                                                                    | Yes                                                 |
| NUC MED  | <b>78707</b> | Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention                                                                                                                                                                                                                                                                       | Yes                                                 |
| NUC MED  | <b>78708</b> | Kidney Imaging Single Study With Pharmacological Intervention                                                                                                                                                                                                                                                                                                        | Yes                                                 |
| NUC MED  | <b>78709</b> | Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention                                                                                                                                                                                                                                                                                        | Yes                                                 |
| NUC MED  | <b>78725</b> | Kidney Function Study - Non-Imaging Radioisotopic                                                                                                                                                                                                                                                                                                                    | Yes                                                 |
| NUC MED  | <b>78730</b> | Urinary Bladder Residual Study                                                                                                                                                                                                                                                                                                                                       | Yes                                                 |
| NUC MED  | <b>78740</b> | Ureteral Reflux Study                                                                                                                                                                                                                                                                                                                                                | Yes                                                 |
| NUC MED  | <b>78761</b> | Testicular Imaging With Vascular Flow                                                                                                                                                                                                                                                                                                                                | Yes                                                 |
| NUC MED  | <b>78800</b> | Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single area (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, single | Yes                                                 |

| Category | CPT® Code    | CPT® Code Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Requires PA |
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| NUC MED  | <b>78801</b> | Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, 2 or more areas (eg, abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days                                                                                                                                                                                                                                    | Yes         |
| NUC MED  | <b>78802</b> | Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, whole body, single day imaging                                                                                                                                                                                                                                                                                                                                 | Yes         |
| NUC MED  | <b>78803</b> | Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT), single area (eg, head, neck, chest, pelvis) or acquisition, single day imaging                                                                                                                                                                                                                                                                    | Yes         |
| NUC MED  | <b>78804</b> | Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, whole body, requiring 2 or more days imaging                                                                                                                                                                                                                                                                                                                   | Yes         |
| PET      | <b>78811</b> | PET Imaging; limited area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Yes         |
| PET      | <b>78812</b> | PET Imaging: skull base to mid-thigh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Yes         |
| PET      | <b>78813</b> | PET Imaging: whole body                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Yes         |
| PETCT    | <b>78814</b> | PET With Concurrently Acquired Ct; Limited Area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes         |
| PETCT    | <b>78815</b> | PET With Concurrently Acquired Ct; Skull Base To Mid-Thigh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Yes         |
| NUC MED  | <b>78830</b> | Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT) with concurrently acquired computed tomography (CT) transmission scan for anatomical review, localization and determination/detection of pathology, single area (eg, head, neck, chest, pelvis) or acquisition, single day imaging                                                                                                                 | Yes         |
| NUC MED  | <b>78831</b> | Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT), minimum 2 areas (eg, pelvis and knees, chest and abdomen) or separate acquisitions (eg, lung ventilation and perfusion), single day imaging, or single area or acquisition over 2 or more days                                                                                                                                                    | Yes         |
| NUC MED  | <b>78832</b> | Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT) with concurrently acquired computed tomography (CT) transmission scan for anatomical review, localization and determination/detection of pathology, minimum 2 areas (eg, pelvis and knees, chest and abdomen) or separate acquisitions (eg, lung ventilation and perfusion), single day imaging, or single area or acquisition over 2 or more days | Yes         |
| ECHO     | <b>93319</b> | 3D echocardiographic imaging and postprocessing during transesophageal echocardiography, or during transthoracic echocardiography for congenital cardiac anomalies, for the assessment of cardiac structure(s) (eg, cardiac chambers and valves, left atrial appendage, interatrial septum, interventricular septum) and function, when performed (List separately in addition to code for echocardiographic imaging)                                                                                                                                   | Yes         |
| DHC      | <b>93451</b> | Right Heart Catheterization Including Measurement(S) Of Oxygen Saturation And Cardiac Output, When Performed                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes         |
| DHC      | <b>93452</b> | Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed                                                                                                                                                                                                                                                                                                                                                                                                     | Yes         |
| DHC      | <b>93453</b> | Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed                                                                                                                                                                                                                                                                                                                                                                                  | Yes         |

| Category | CPT® Code    | CPT® Code Description                                                                                                                                                                                                                                                                                                                                                                                                           | Requires PA |
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| DHC      | <b>93454</b> | Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation                                                                                                                                                                                                                                                      | Yes         |
| DHC      | <b>93455</b> | Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial venous grafts) including intraprocedural injection(s) for bypass graft angiography                                                                                   | Yes         |
| DHC      | <b>93456</b> | Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right heart catheterization                                                                                                                                                                                                                    | Yes         |
| DHC      | <b>93457</b> | Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, venous grafts) including intraprocedural injection(s) for bypass graft angiography and right heart catheterization                                                  | Yes         |
| DHC      | <b>93458</b> | Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ventriculography, when performed                                                                                                                                    | Yes         |
| DHC      | <b>93459</b> | Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ventriculography, when performed, catheter placement(s) in bypass graft(s) (internal mammary, free arterial, venous grafts) with bypass graft angiography           | Yes         |
| DHC      | <b>93460</b> | Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) for left ventriculography, when performed                                                                                                                          | Yes         |
| DHC      | <b>93461</b> | Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) for left ventriculography, when performed, catheter placement(s) in bypass graft(s) (internal mammary, free arterial, venous grafts) with bypass graft angiography | Yes         |
| DHC      | <b>93593</b> | Right heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone; normal native connections                                                                                                                                                                                                                                                | Yes         |
| DHC      | <b>93594</b> | Right heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone; abnormal native connections                                                                                                                                                                                                                                              | Yes         |
| DHC      | <b>93595</b> | Left heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone, normal or abnormal native connections                                                                                                                                                                                                                                     | Yes         |
| DHC      | <b>93596</b> | Right and left heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone(s); normal native connections                                                                                                                                                                                                                                    | Yes         |
| DHC      | <b>93597</b> | Right and left heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone(s); connections abnormal native connections                                                                                                                                                                                                                      | Yes         |
| DGUS     | <b>93985</b> | Duplex scan of arterial inflow and venous outflow for preoperative vessel assessment prior to creation of hemodialysis access; complete bilateral study                                                                                                                                                                                                                                                                         | Yes         |
| DGUS     | <b>93986</b> | Duplex scan of arterial inflow and venous outflow for preoperative vessel assessment prior to creation of hemodialysis access; complete unilateral study                                                                                                                                                                                                                                                                        | Yes         |
| CT       | <b>0042T</b> | CT Perfusion Brain                                                                                                                                                                                                                                                                                                                                                                                                              | Yes         |

| Category | CPT® Code    | CPT® Code Description                                                                                                                                                                                                                                                                                                                                                                              | Requires PA     |
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| CID      | <b>0266T</b> | Implantation or replacement of carotid sinus baroreflex activation device; total system (includes generator placement, unilateral or bilateral lead placement, intra-operative interrogation, programming, and repositioning, when performed)                                                                                                                                                      | Investigational |
| CID      | <b>0408T</b> | Insertion or replacement of permanent cardiac contractility modulation system, including contractility evaluation when performed, and programming of sensing and therapeutic parameters; pulse generator with transvenous electrodes                                                                                                                                                               | Investigational |
| CID      | <b>0409T</b> | Insertion or replacement of permanent cardiac contractility modulation system, including contractility evaluation when performed, and programming of sensing and therapeutic parameters; pulse generator only                                                                                                                                                                                      | Investigational |
| CID      | <b>0515T</b> | Insertion of wireless cardiac stimulator for left ventricular pacing, including device interrogation and programming, and imaging supervision and interpretation, when performed; complete system (includes electrode and generator [transmitter and battery])                                                                                                                                     | Investigational |
| CID      | <b>0516T</b> | Insertion of wireless cardiac stimulator for left ventricular pacing, including device interrogation and programming, and imaging supervision and interpretation, when performed; electrode only                                                                                                                                                                                                   | Investigational |
| CID      | <b>0517T</b> | Insertion of wireless cardiac stimulator for left ventricular pacing, including device interrogation and programming, and imaging supervision and interpretation, when performed; both components of pulse generator (battery and transmitter) only                                                                                                                                                | Investigational |
| CID      | <b>0519T</b> | Removal and replacement of pulse generator for wireless cardiac stimulator for left ventricular pacing, including device interrogation and programming; both components (battery and transmitter)                                                                                                                                                                                                  | Investigational |
| CID      | <b>0520T</b> | Removal and replacement of pulse generator for wireless cardiac stimulator for left ventricular pacing, including device interrogation and programming; battery component only                                                                                                                                                                                                                     | Investigational |
| CID      | <b>0571T</b> | Insertion or replacement of implantable cardioverter-defibrillator system with substernal electrode(s), including all imaging guidance and electrophysiological evaluation (includes defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing for arrhythmia termination, and programming or reprogramming of sensing or therapeutic parameters), when performed        | Investigational |
| MR       | <b>0609T</b> | Magnetic Resonance Spectroscopy, Determination And Localization Of Discogenic Pain (Cervical, Thoracic, Or Lumbar); Acquisition Of Single Voxel Data, Per Disc, On Biomarkers (Ie, Lactic Acid, Carbohydrate, Alanine, Laal, Propionic Acid, Proteoglycan, And Collagen) In At Least 3 Discs                                                                                                       | Yes             |
| MR       | <b>0610T</b> | Magnetic Resonance Spectroscopy, Determination And Localization Of Discogenic Pain (Cervical, Thoracic, Or                                                                                                                                                                                                                                                                                         | Yes             |
| MR       | <b>0611T</b> | Lumbar); Transmission Of Biomarker Data For Software Analysis                                                                                                                                                                                                                                                                                                                                      | Yes             |
| MR       | <b>0612T</b> | Magnetic Resonance Spectroscopy, Determination And Localization Of Discogenic Pain (Cervical, Thoracic, Or Lumbar); Postprocessing For Algorithmic Analysis Of Biomarker Data For Determination Of Relative Chemical Differences Between Discs                                                                                                                                                     | Yes             |
| CRID     | <b>0614T</b> | Magnetic Resonance Spectroscopy, Determination And Localization Of Discogenic Pain (Cervical, Thoracic, Or                                                                                                                                                                                                                                                                                         | Yes             |
| CCTA     | <b>0623T</b> | Automated quantification and characterization of coronary atherosclerotic plaque to assess severity of coronary disease, using data from coronary computed tomographic angiography; data preparation and transmission, computerized analysis of data, with review of computerized analysis output to reconcile discordant data, interpretation and report. <b>Effective 9/1/2021 AMA Additions</b> | Yes             |
| CCTA     | <b>0624T</b> | Automated quantification and characterization of coronary atherosclerotic plaque to assess severity of coronary disease, using data from coronary computed tomographic angiography; data preparation and transmission. <b>Effective 9/1/2021 AMA Additions</b>                                                                                                                                     | Yes             |
| CCTA     | <b>0625T</b> | Automated quantification and characterization of coronary atherosclerotic plaque to assess severity of coronary disease, using data from coronary computed tomographic angiography; computerized analysis of data from coronary computed tomographic angiography. <b>Effective 9/1/2021 AMA Additions</b>                                                                                          | Yes             |

| Category | CPT® Code    | CPT® Code Description                                                                                                                                                                                                                                                                                                                                                                                                                     | Requires PA     |
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| CCTA     | <b>0626T</b> | Automated quantification and characterization of coronary atherosclerotic plaque to assess severity of coronary disease, using data from coronary computed tomographic angiography; review of computerized analysis output to reconcile discordant data, interpretation and report. <i>Effective 9/1/2021 AMA Additions</i>                                                                                                               | Yes             |
| CT       | <b>0633T</b> | Lumbar); Interpretation And Report                                                                                                                                                                                                                                                                                                                                                                                                        | Yes             |
| CT       | <b>0634T</b> | Removal And Replacement Of Substernal Implantable                                                                                                                                                                                                                                                                                                                                                                                         | Yes             |
| CT       | <b>0635T</b> | Defibrillator Pulse Generator                                                                                                                                                                                                                                                                                                                                                                                                             | Yes             |
| CT       | <b>0636T</b> | Computed Tomography, Breast, Including 3d Rendering, When Performed, Unilateral; Without Contrast Material                                                                                                                                                                                                                                                                                                                                | Yes             |
| CT       | <b>0637T</b> | Computed Tomography, Breast, Including 3d Rendering, When Performed, Unilateral; With Contrast Material(S)                                                                                                                                                                                                                                                                                                                                | Yes             |
| CT       | <b>0638T</b> | Computed Tomography, Breast, Including 3d Rendering, When Performed, Unilateral; Without Contrast, Followed By Contrast Material(S)                                                                                                                                                                                                                                                                                                       | Yes             |
| MRI      | <b>0648T</b> | Quantitative magnetic resonance for analysis of tissue composition (eg, fat, iron, water content), including multiparametric data acquisition, data preparation and transmission, interpretation and report, obtained without diagnostic MRI examination of the same anatomy (eg, organ, gland, tissue, target structure) during the same session; single organ. <i>Effective 7/1/2021 AMA Additions</i>                                  | Yes             |
| MRI      | <b>0649T</b> | Quantitative magnetic resonance for analysis of tissue composition (eg, fat, iron, water content), including multiparametric data acquisition, data preparation and transmission, interpretation and report, obtained with diagnostic MRI examination of the same anatomy (eg, organ, gland, tissue, target structure); single organ (List separately in addition to code for primary procedure). <i>Effective 7/1/2021 AMA Additions</i> | Yes             |
| MRI      | <b>0697T</b> | Quantitative magnetic resonance for analysis of tissue composition (eg, fat, iron, water content), including multiparametric data acquisition, data preparation and transmission, interpretation and report, obtained without diagnostic MRI examination of the same anatomy (eg, organ, gland, tissue, target structure) during the same session; multiple organs                                                                        | Investigational |
| MRI      | <b>0698T</b> | Quantitative magnetic resonance for analysis of tissue composition (eg, fat, iron, water content), including multiparametric data acquisition, data preparation and transmission, interpretation and report, obtained with diagnostic MRI examination of the same anatomy (eg, organ, gland, tissue, target structure); multiple organs (List separately in addition to code for primary procedure)                                       | Investigational |
| CT (CTA) | <b>0710T</b> | Noninvasive arterial plaque analysis using software processing of data from non-coronary computerized tomography angiography; including data preparation and transmission, quantification of the structure and composition of the vessel wall and assessment for lipid-rich necrotic core plaque to assess atherosclerotic plaque stability, data review, interpretation and report                                                       | Investigational |
| CT (CTA) | <b>0711T</b> | Noninvasive arterial plaque analysis using software processing of data from non-coronary computerized tomography angiography; data preparation and transmission                                                                                                                                                                                                                                                                           | Investigational |
| CT (CTA) | <b>0712T</b> | Noninvasive arterial plaque analysis using software processing of data from non-coronary computerized tomography angiography; quantification of the structure and composition of the vessel wall and assessment for lipid-rich necrotic core plaque to assess atherosclerotic plaque stability                                                                                                                                            | Investigational |
| CT (CTA) | <b>0713T</b> | Noninvasive arterial plaque analysis using software processing of data from non-coronary computerized tomography angiography; data review, interpretation and report                                                                                                                                                                                                                                                                      | Investigational |
| NUC CARD | <b>0742T</b> | Absolute quantitation of myocardial blood flow (AQMBF), single-photon emission computed tomography (SPECT), with exercise or pharmacologic stress, and at rest, when performed (List separately in addition to code for primary procedure)                                                                                                                                                                                                | Investigational |

| Category | CPT <sup>®</sup> Code | CPT <sup>®</sup> Code Description                                                                                                                                                                                                                                                                                                                                                     | Requires PA       |
|----------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| CID      | <b>0795T</b>          | Transcatheter insertion of permanent dual-chamber leadless pacemaker, including imaging guidance (eg, fluoroscopy, venous ultrasound, right atrial angiography, right ventriculography, femoral venography) and device evaluation (eg, interrogation or programming), when performed; complete system (ie, right atrial and right ventricular pacemaker components)                   | Yes               |
| CID      | <b>0796T</b>          | Transcatheter insertion of right atrial pacemaker component (when an existing right ventricular single leadless pacemaker exists to create a dual-chamber leadless pacemaker system)                                                                                                                                                                                                  | Yes               |
| CID      | <b>0797T</b>          | Transcatheter insertion of right ventricular pacemaker component (when part of a dual-chamber leadless pacemaker system)                                                                                                                                                                                                                                                              | Yes               |
| CID      | <b>0801T</b>          | Transcatheter removal and replacement of permanent dual-chamber leadless pacemaker, including imaging guidance (eg, fluoroscopy, venous ultrasound, right atrial angiography, right ventriculography, femoral venography) and device evaluation (eg, interrogation or programming), when performed; dual-chamber system (ie, right atrial and right ventricular pacemaker components) | Yes               |
| CID      | <b>0802T</b>          | Transcatheter removal and replacement of right atrial pacemaker component                                                                                                                                                                                                                                                                                                             | Yes               |
| CID      | <b>0803T</b>          | Transcatheter removal and replacement of right ventricular pacemaker component (when part of a dual-chamber leadless pacemaker system)                                                                                                                                                                                                                                                | Yes               |
| CID      | <b>0823T</b>          | Transcatheter insertion of permanent single-chamber leadless pacemaker, right atrial, including imaging guidance (eg, fluoroscopy, venous ultrasound, right atrial angiography and/or right ventriculography, femoral venography, cavography) and device evaluation (eg, interrogation or programming), when performed                                                                | Yes               |
| CID      | <b>0825T</b>          | Transcatheter removal and replacement of permanent single-chamber leadless pacemaker, right atrial, including imaging guidance (eg, fluoroscopy, venous ultrasound, right atrial angiography and/or right ventriculography, femoral venography, cavography) and device evaluation (eg, interrogation or programming), when performed                                                  | Yes               |
| CID      | <b>0915T</b>          | Insertion of permanent cardiac contractility modulation-defibrillation system component(s), including fluoroscopic guidance, and evaluation and programming of sensing and therapeutic parameters; pulse generator and dual transvenous electrodes/leads (pacing and defibrillation)                                                                                                  | Investigational   |
| CID      | <b>0916T</b>          | Insertion of permanent cardiac contractility modulation-defibrillation system component(s), including fluoroscopic guidance, and evaluation and programming of sensing and therapeutic parameters; pulse generator only                                                                                                                                                               | Investigational   |
| CID      | <b>0923T</b>          | Removal and replacement of permanent cardiac contractility modulation-defibrillation pulse generator only                                                                                                                                                                                                                                                                             | Investigational   |
| CID      | <b>0933T</b>          | Transcatheter implantation of wireless left atrial pressure sensor for long-term left atrial pressure monitoring, including sensor calibration and deployment, right heart catheterization, transseptal puncture, imaging guidance, and radiological supervision and interpretation                                                                                                   | Investigational   |
| MRA      | <b>C8900</b>          | MRA Abdomen with contrast                                                                                                                                                                                                                                                                                                                                                             | redirect to 74185 |
| MRA      | <b>C8901</b>          | MRA Abdomen without contrast                                                                                                                                                                                                                                                                                                                                                          | redirect to 74185 |
| MRA      | <b>C8902</b>          | MRA Abdomen with and w/o contrast                                                                                                                                                                                                                                                                                                                                                     | redirect to 74185 |
| MRI      | <b>C8903</b>          | MRI Breast with contrast, unilateral                                                                                                                                                                                                                                                                                                                                                  | redirect to 77048 |
| MRI      | <b>C8905</b>          | MRI Breast with and without contrast, unilateral                                                                                                                                                                                                                                                                                                                                      | redirect to 77048 |
| MRI      | <b>C8906</b>          | MRI Breast Bilateral with contrast                                                                                                                                                                                                                                                                                                                                                    | redirect to 77049 |
| MRI      | <b>C8908</b>          | MRI Breast Bilateral with and without contrast                                                                                                                                                                                                                                                                                                                                        | redirect to 77049 |
| MRA      | <b>C8909</b>          | MRA chest with contrast (excluding myocardium)                                                                                                                                                                                                                                                                                                                                        | redirect to 71555 |

| Category | CPT® Code    | CPT® Code Description                                                                                                                                                                                                                                                                                                                                                                                                                   | Requires PA                             |
|----------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| MRA      | <b>C8910</b> | MRA chest without contrast (excluding myocardium)                                                                                                                                                                                                                                                                                                                                                                                       | redirect to 71555                       |
| MRA      | <b>C8911</b> | MRA chest with and without contrast (excluding myocardium)                                                                                                                                                                                                                                                                                                                                                                              | redirect to 71555                       |
| MRA      | <b>C8912</b> | MRA lower extremity with contrast                                                                                                                                                                                                                                                                                                                                                                                                       | redirect to 73725                       |
| MRA      | <b>C8913</b> | MRA lower extremity without contrast                                                                                                                                                                                                                                                                                                                                                                                                    | redirect to 73725                       |
| MRA      | <b>C8914</b> | MRA lower extremity with and without contrast                                                                                                                                                                                                                                                                                                                                                                                           | redirect to 73725                       |
| MRA      | <b>C8918</b> | MRA pelvis with contrast                                                                                                                                                                                                                                                                                                                                                                                                                | redirect to 72198                       |
| MRA      | <b>C8919</b> | MRA pelvis without contrast                                                                                                                                                                                                                                                                                                                                                                                                             | redirect to 72198                       |
| MRA      | <b>C8920</b> | MRA pelvis with and without contrast                                                                                                                                                                                                                                                                                                                                                                                                    | redirect to 72198                       |
| ECHO     | <b>C8921</b> | Transthoracic echocardiography w/contrast for congenital cardiac anomalies; complete                                                                                                                                                                                                                                                                                                                                                    | worked as corresponding echo code 93303 |
| ECHO     | <b>C8922</b> | Transthoracic echocardiography w/contrast for congenital cardiac anomalies; f/u or limited study                                                                                                                                                                                                                                                                                                                                        | worked as corresponding echo code 93304 |
| ECHO     | <b>C8923</b> | Transthoracic echocardiography w/contrast, real-time w/image documentation (2d), w/wo m-mode recording; complete                                                                                                                                                                                                                                                                                                                        | worked as corresponding echo code 93307 |
| ECHO     | <b>C8924</b> | Transthoracic echocardiography w/contrast, real-time w/image documentation (2d), w/wo m-mode recording; f/u or limited study                                                                                                                                                                                                                                                                                                            | worked as corresponding echo code 93308 |
| ECHO     | <b>C8928</b> | Transthoracic echocardiography w/contrast, real-time w/image documentation (2d), w/wo m-mode recording, during rest and cardiovascular stress test, w/interpretation and report                                                                                                                                                                                                                                                         | worked as corresponding echo code 93350 |
| ECHO     | <b>C8929</b> | Transthoracic echocardiography with contrast, or without contrast followed by with contrast, real-time with image documentation (2d), includes m-mode recording, when performed, complete, with spectral doppler echocardiography, and with color flow doppler echocardiography                                                                                                                                                         | worked as corresponding echo code 93306 |
| ECHO     | <b>C8930</b> | Transthoracic echocardiography, with contrast, or without contrast followed by with contrast, real-time with image documentation (2d), includes m-mode recording, when performed, during rest and cardiovascular stress test using treadmill, bicycle exercise and/or pharmacologically induced stress, with interpretation and report; including performance of continuous electrocardiographic monitoring, with physician supervision | worked as corresponding echo code 93351 |
| MRA      | <b>C8931</b> | MRA, with Dye, Spinal Canal                                                                                                                                                                                                                                                                                                                                                                                                             | redirect to 72159                       |
| MRA      | <b>C8932</b> | MRA, without Dye, Spinal Canal                                                                                                                                                                                                                                                                                                                                                                                                          | redirect to 72159                       |
| MRA      | <b>C8933</b> | MRA, without & with Dye, Spinal Canal                                                                                                                                                                                                                                                                                                                                                                                                   | redirect to 72159                       |
| MRA      | <b>C8934</b> | MRA, with Dye, Upper Extremity                                                                                                                                                                                                                                                                                                                                                                                                          | redirect to 73225                       |
| MRA      | <b>C8935</b> | MRA, without Dye, Upper Extr                                                                                                                                                                                                                                                                                                                                                                                                            | redirect to 73225                       |
| MRA      | <b>C8936</b> | MRA, without & with Dye, Upper Extr                                                                                                                                                                                                                                                                                                                                                                                                     | redirect to 73225                       |
| MRI      | <b>C9762</b> | Computed Tomography, Breast, Including 3d Rendering, When Performed, Bilateral; Without Contrast Material(S)                                                                                                                                                                                                                                                                                                                            | Yes                                     |
| MRI      | <b>C9763</b> | Computed Tomography, Breast, Including 3d Rendering, When Performed, Bilateral; With Contrast Material(S)                                                                                                                                                                                                                                                                                                                               | Yes                                     |

| Category | CPT® Code    | CPT® Code Description                                                                                                                     | Requires PA          |
|----------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| MRI      | <b>C9791</b> | Magnetic resonance imaging with inhaled hyperpolarized xenon-129 contrast agent, chest, including preparation and administration of agent |                      |
| PET      | <b>G0219</b> | PET Imaging Whole Body; Melanoma For Non-Covered Indications                                                                              | redirect 78811-78816 |
| PET      | <b>G0235</b> | PET Imaging, Any Site, Not Otherwise Specified                                                                                            | redirect 78811-78816 |
| PET      | <b>G0252</b> | PET Imaging, Full And Partial-Ring Pet Scanners Only For Initial Diagnosis Of Breast Cancer And/Or Surgical Planning For Breast Cancer    | redirect 78811-78816 |
| CT       | <b>S8092</b> | Electron Beam Computed Tomography (Also Known As Ultrafast CT, CINET)                                                                     | Investigational      |

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