

**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

Category	CPT® Code	CPT® Code Description	Requires PA
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

Category	CPT® Code	CPT® Code Description	Requires PA
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

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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	78018	Thyroid Scan Whole Body	Yes
NUC MED	78020	Thyroid Carcinoma Metastases Uptake	Yes
NUC MED	78070	Parathyroid planar imaging (including subtraction, when performed)	Yes
NUC MED	78071	Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT)	Yes
NUC MED	78072	Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT), and concurrently acquired computed tomography (CT) for anatomical localization	Yes
NUC MED	78075	Adrenal Nuclear Imaging	Yes
NUC MED	78102	Bone Marrow Imaging, Limited	Yes
NUC MED	78103	Bone Marrow Imaging, Multiple	Yes
NUC MED	78104	Bone Marrow Imaging, Whole Body	Yes
NUC MED	78185	Spleen Imaging With & Without Vascular Flow	Yes
NUC MED	78195	Lymph System Imaging	Yes
NUC MED	78201	Liver Imaging	Yes
NUC MED	78202	Liver Imaging With Flow	Yes
NUC MED	78215	Liver & Spleen Imaging	Yes
NUC MED	78216	Liver & Spleen Imaging With Flow	Yes
NUC MED	78226	Hepatobiliary system imaging, including gallbladder when present;	Yes
NUC MED	78227	Hepatobiliary system imaging, including gallbladder when present; with pharmacologic intervention, including quantitative measurement(s) when performed	Yes
NUC MED	78230	Salivary Gland Imaging	Yes
NUC MED	78231	Serial Salivary Gland	Yes
NUC MED	78232	Salivary Gland Function Exam	Yes
NUC MED	78258	Esophagus Motility Study	Yes
NUC MED	78261	Gastric Mucosa Imaging	Yes
NUC MED	78262	Gastroesophageal Reflux Exam	Yes
NUC MED	78264	Gastric Emptying Study	Yes
NUC MED	78278	GI Bleeder Scan	Yes
NUC MED	78290	Meckels Diverticulum Imaging	Yes
NUC MED	78291	Leveen Shunt Patency Exam	Yes
NUC MED	78300	Bone Or Joint Imaging Limited	Yes
NUC MED	78305	Bone Or Joint Imaging Multiple	Yes
NUC MED	78306	Bone Scan Whole Body	Yes
NUC MED	78315	Bone Scan 3 Phase Study	Yes
NUC CARD	78414	Non-Imaging Heart Function	Yes
NUC CARD	78428	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
NUC MED	78801	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	78802	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	78803	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	78804	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	78811	PET Imaging; limited area	Yes
PET	78812	PET Imaging: skull base to mid-thigh	Yes
PET	78813	PET Imaging: whole body	Yes
PETCT	78814	PET With Concurrently Acquired Ct; Limited Area	Yes
PETCT	78815	PET With Concurrently Acquired Ct; Skull Base To Mid-Thigh	Yes
NUC MED	78830	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	78831	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	78832	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	93319	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	93451	Right Heart Catheterization Including Measurement(S) Of Oxygen Saturation And Cardiac Output, When Performed	Yes
DHC	93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	Yes
DHC	93453	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
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
CID	0515T	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	0516T	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	0517T	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	0519T	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	0520T	Removal and replacement of pulse generator for wireless cardiac stimulator for left ventricular pacing, including device interrogation and programming; battery component only	Investigational
CID	0571T	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
CID	0572T	Insertion of substernal implantable defibrillator electrode	Investigational
MR	0609T	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	0610T	Magnetic Resonance Spectroscopy, Determination And Localization Of Discogenic Pain (Cervical, Thoracic, Or	Yes
MR	0611T	Lumbar); Transmission Of Biomarker Data For Software Analysis	Yes
MR	0612T	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	0614T	Magnetic Resonance Spectroscopy, Determination And Localization Of Discogenic Pain (Cervical, Thoracic, Or	Yes
CCTA	0623T	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	0624T	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	0625T	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
CCTA	0626T	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. <b>Effective 9/1/2021 AMA Additions</b>	Yes
CT	0633T	Lumbar); Interpretation And Report	Yes
CT	0634T	Removal And Replacement Of Substernal Implantable	Yes

Category	CPT® Code	CPT® Code Description	Requires PA
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. <b>Effective 7/1/2021 AMA Additions</b>	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). <b>Effective 7/1/2021 AMA Additions</b>	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
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

Effective: 1/1/2025

Category	CPT® Code	CPT® Code Description	Requires PA
CID	<b>0797T</b>	Transcatheter insertion of right ventricular pacemaker component (when part of a dual-chamber leadless pacemaker system)	Yes
CID	<b>0798T</b>	Transcatheter removal of permanent dual-chamber leadless pacemaker, including imaging guidance (eg, fluoroscopy, venous ultrasound, right atrial angiography, right ventriculography, femoral venography), when performed; complete system (ie, right atrial and right ventricular pacemaker components)	Yes
CID	<b>0799T</b>	Transcatheter removal of right atrial pacemaker component	Yes
CID	<b>0800T</b>	Transcatheter removal 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>0861T</b>	Removal of pulse generator for wireless cardiac stimulator for left ventricular pacing; both components (battery and transmitter)	Yes
CID	<b>0862T</b>	Relocation of pulse generator for wireless cardiac stimulator for left ventricular pacing, including device interrogation and programming; battery component only	Yes
CID	<b>0863T</b>	Relocation of pulse generator for wireless cardiac stimulator for left ventricular pacing, including device interrogation and programming; transmitter component only	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

Category	CPT® Code	CPT® Code Description	Requires PA
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
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

Category	CPT® Code	CPT® Code Description	Requires PA
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
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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