



## CPT Codes Requiring Prior Authorization Via the JHHC-eviCore Web Portal

For Priority Partners and Johns Hopkins Advantage MD

<b>Prior Authorization Code List: Cardiology Advanced Imaging and High Tech Radiology</b>	
<b>CPT® Code</b>	<b>CPT® Code Description</b>
70336	MRI TMJ
70450	CT Head Without Contrast
70460	CT Head With Contrast
70470	CT Head Without & With Contrast
70480	CT Orbit Without Contrast
70481	CT Orbit With Contrast
70482	CT Orbit Without & With Contrast
70486	CT Maxillofacial Without Contrast
70487	CT Maxillofacial With Contrast
70488	CT Maxillofacial Without & With Contrast
70490	CT Soft Tissue Neck Without Contrast
70491	CT Soft Tissue Neck With Contrast
70492	CT Soft Tissue Neck Without & With Contrast
70496	CT Angiography Head
70498	CT Angiography Neck
70540	MRI Orbit, Face, and/or Neck Without Contrast
70542	MRI Face, Orbit, and/or Neck With Contrast
70543	MRI Face, Orbit, and/or Neck With & Without Contrast
70544	MRA Head Without Contrast
70545	MRA Head With Contrast
70546	MRA Head With & Without Contrast
70547	MRA Neck Without Contrast
70548	MRA Neck With Contrast
70549	MRA Neck With & Without Contrast
70551	MRI Head Without Contrast
70552	MRI Head With Contrast
70553	MRI Head With & Without Contrast
70554	MRI Brain, functional MRI
70555	MRI Brain, functional MRI, requiring physician



<b>71250</b>	CT Thorax Without Contrast
<b>71260</b>	CT Thorax With Contrast
<b>71270</b>	CT Thorax Without & With Contrast
<b>71275</b>	CT Angiography Chest Without Contrast Material, Followed by Contrast Material and Further Sections, Including Image Postprocessing
<b>71550</b>	MRI Chest Without Contrast
<b>71551</b>	MRI Chest With Contrast
<b>71552</b>	MRI Chest With & Without Contrast
<b>71555</b>	M R A Chest (Excluding Myocardium) With Or Without Contrast
<b>72125</b>	CT Cervical Spine Without Contrast
<b>72126</b>	CT Cervical Spine With Contrast
<b>72127</b>	CT Cervical Spine Without & With Contrast
<b>72128</b>	CT Thoracic Spine Without Contrast
<b>72129</b>	CT Thoracic Spine With Contrast
<b>72130</b>	CT Thoracic Spine Without & With Contrast
<b>72131</b>	CT Lumbar Spine Without Contrast
<b>72132</b>	CT Lumbar Spine With Contrast
<b>72133</b>	CT Lumbar Spine Without & With Contrast
<b>72141</b>	MRI Cervical Spine Without Contrast
<b>72142</b>	MRI Cervical Spine With Contrast
<b>72146</b>	MRI Thoracic Spine Without Contrast
<b>72147</b>	MRI Thoracic Spine With Contrast
<b>72148</b>	MRI Lumbar Spine Without Contrast
<b>72149</b>	MRI Lumbar Spine With Contrast
<b>72156</b>	MRI Cervical Spine With & Without Contrast
<b>72157</b>	MRI Thoracic Spine With & Without Contrast
<b>72158</b>	MRI Lumbar Spine With & Without Contrast
<b>72159</b>	MRA Spinal Canal With Or Without Contrast
<b>72191</b>	CT Angiography Pelvis
<b>72192</b>	CT Pelvis Without Contrast
<b>72193</b>	CT Pelvis With Contrast
<b>72194</b>	CT Pelvis Without & With Contrast
<b>72195</b>	MRI Pelvis Without Contrast
<b>72196</b>	MRI Pelvis With Contrast
<b>72197</b>	MRI Pelvis With & Without Contrast
<b>72198</b>	MRA Pelvis With Or Without Contrast
<b>73200</b>	CT Upper Extremity Without Contrast
<b>73201</b>	CT Upper Extremity With Contrast
<b>73202</b>	CT Upper Extremity Without & With Contrast

<b>73206</b>	CT Angiography Upper Extremity
<b>73218</b>	MRI Upper Extremity Without Contrast
<b>73219</b>	MRI Upper Extremity With Contrast
<b>73220</b>	MRI Upper Extremity With & Without Contrast
<b>73221</b>	MRI Upper Extremity Joint Without Contrast
<b>73222</b>	MRI Upper Extremity Joint With Contrast
<b>73223</b>	MRI Upper Extremity Joint With & Without Contrast
<b>73225</b>	MRA Upper Extremity With Or Without Contrast
<b>73700</b>	CT Lower Extremity Without Contrast
<b>73701</b>	CT Lower Extremity With Contrast
<b>73702</b>	CT Lower Extremity Without & With Contrast
<b>73706</b>	CT Angiography Lower Extremity
<b>73718</b>	MRI Lower Extremity Without Contrast
<b>73719</b>	MRI Lower Extremity With Contrast
<b>73720</b>	MRI Lower Extremity With & Without Contrast
<b>73721</b>	MRI Lower Extremity Joint Without Contrast
<b>73722</b>	MRI Lower Extremity Joint With Contrast
<b>73723</b>	MRI Lower Extremity Joint With & Without Contrast
<b>73725</b>	MRA Lower Extremity With Or Without Contrast
<b>74150</b>	CT Abdomen Without Contrast
<b>74160</b>	CT Abdomen With Contrast
<b>74170</b>	CT Abdomen Without & With Contrast
<b>74174</b>	CT angiography, abdomen and pelvis, with contrast material(s), including noncontrast images, if performed, and image postprocessing
<b>74175</b>	CT Angiography Abdomen
<b>74176</b>	CT Abdomen And Pelvis Without Contrast
<b>74177</b>	CT Abdomen And Pelvis With Contrast
<b>74178</b>	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
<b>74181</b>	MRI Abdomen Without Contrast
<b>74182</b>	MRI Abdomen With Contrast
<b>74183</b>	MRI Abdomen With & Without Contrast
<b>74185</b>	MRA Abdomen With Or Without Contrast
<b>74261</b>	Computed tomographic (CT) colonography, diagnostic, including image postprocessing; without contrast material
<b>74262</b>	Computed tomographic (CT) colonography, diagnostic, including image postprocessing; with contrast material(s) including non-contrast images, if performed
<b>74263</b>	Computed tomographic (CT) colonography, screening, including image postprocessing
<b>74712</b>	Magnetic resonance (eg, proton) imaging, fetal, including placental and maternal pelvic

	imaging when performed; single or first gestation
<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)
<b>78499</b>	Unlisted Cardiovascular Procedure
<b>75557</b>	Cardiac magnetic resonance imaging for morphology and function without contrast material
<b>75559</b>	Cardiac magnetic resonance imaging for morphology and function without contrast material; with stress imaging
<b>75561</b>	Cardiac magnetic resonance imaging for morphology and function without contrast material(s), followed by contrast material(s) and further sequences
<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
<b>75565</b>	Cardiac magnetic resonance imaging for velocity flow mapping (list separately in addition to code for primary procedure)
<b>75571</b>	Computed tomography, heart, without contrast material, with quantitative evaluation of coronary calcium
<b>75572</b>	Computed tomography, heart, with contrast material, for evaluation of cardiac structure and morphology (including 3d image postprocessing, assessment of cardiac function, and evaluation of venous structures, if performed)
<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 lv cardiac function, rv structure and function and evaluation of venous structures, if performed)
<b>75574</b>	Computed tomographic angiography, heart, coronary arteries and bypass grafts (when present), with contrast material, including 3d image postprocessing (including evaluation of cardiac structure and morphology, assessment of cardiac function, and evaluation of venous structures, if performed)
<b>75635</b>	CT Angiography Abdominal Aorta
<b>76376</b>	3D Rendering W/O Postprocessing
<b>76377</b>	3D Rendering W Postprocessing
<b>76380</b>	CT Limited Or Localized Follow-Up Study
<b>76390</b>	MRI Spectroscopy
<b>76391</b>	Magnetic resonance (eg, vibration) elastography
<b>76497</b>	Unlisted computed tomography procedure
<b>76498</b>	Unlisted MRI Procedure
<b>77021</b>	MRI Guidance For Needle Placement
<b>77022</b>	Magnetic resonance guidance for, and monitoring of, parenchymal tissue ablation
<b>77046</b>	Magnetic resonance imaging, breast, without contrast material; unilateral
<b>77047</b>	Magnetic resonance imaging, breast, without contrast material; bilateral
<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
<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

<b>77078</b>	Computed Tomography, bone mineral density study, 1 or more sites; axial skeleton
<b>77084</b>	Magnetic resonance (eg, proton) imaging, bone marrow blood supply
<b>78012</b>	Thyroid uptake, single or multiple quantitative measurement(s) (including stimulation, suppression, or discharge, when performed)
<b>78013</b>	Thyroid imaging (including vascular flow, when performed)
<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)
<b>78015</b>	Thyroid Met Imaging
<b>78016</b>	Thyroid Met Imaging With Additional Studies
<b>78018</b>	Thyroid Scan Whole Body
<b>78020</b>	Thyroid Carcinoma Metastases Uptake
<b>78070</b>	Parathyroid planar imaging (including subtraction, when performed)
<b>78071</b>	Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT)
<b>78072</b>	Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT), and concurrently acquired computed tomography (CT) for anatomical localization
<b>78075</b>	Adrenal Nuclear Imaging
<b>78102</b>	Bone Marrow Imaging, Limited
<b>78103</b>	Bone Marrow Imaging, Multiple
<b>78104</b>	Bone Marrow Imaging, Whole Body
<b>78185</b>	Spleen Imaging With & Without Vascular Flow
<b>78195</b>	Lymph System Imaging
<b>78201</b>	Liver Imaging
<b>78202</b>	Liver Imaging With Flow
<b>78215</b>	Liver & Spleen Imaging
<b>78216</b>	Liver & Spleen Imaging With Flow
<b>78226</b>	Hepatobiliary system imaging, including gallbladder when present;
<b>78227</b>	Hepatobiliary system imaging, including gallbladder when present; with pharmacologic intervention, including quantitative measurement(s) when performed
<b>78230</b>	Salivary Gland Imaging
<b>78231</b>	Serial Salivary Gland
<b>78232</b>	Salivary Gland Function Exam
<b>78258</b>	Esophogus Motility Study
<b>78261</b>	Gastric Mucosa Imaging
<b>78262</b>	Gastroesophageal Reflux Exam
<b>78264</b>	Gastric Emptying Study
<b>78265</b>	Gastric emptying imaging study (eg, solid, liquid, or both); with small bowel transit
<b>78266</b>	Gastric emptying imaging study (eg, solid, liquid, or both); with small bowel and colon transit, multiple days
<b>78278</b>	GI Bleeder Scan

<b>78290</b>	Meckels Diverticulum Imaging
<b>78291</b>	Leveen Shunt Patency Exam
<b>78300</b>	Bone Or Joint Imaging Limited
<b>78305</b>	Bone Or Joint Imaging Multiple
<b>78306</b>	Bone Scan Whole Body
<b>78315</b>	Bone Scan 3 Phase Study
<b>78414</b>	Non-Imaging Heart Function
<b>78428</b>	Cardiac Shunt Imaging
<b>78429</b>	Myocardial imaging, positron emission tomography (PET), metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), single study; with concurrently acquired computed tomography transmission scan
<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
<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
<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);
<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
<b>78434</b>	Absolute quantitation of myocardial blood flow (AQMBF), positron emission tomography (PET), rest and pharmacologic stress (List separately in addition to code for primary procedure)
<b>78445</b>	Radionuclide Venogram Non-Cardiac
<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)
<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
<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)
<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
<b>78456</b>	Acute Venous Thrombosis Imaging
<b>78457</b>	Venous Thrombosis Imaging Unilateral
<b>78458</b>	Venous Thrombosis Images, Bilateral

<b>78459</b>	Myocardial imaging, positron emission tomography (PET), metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), single study;
<b>78466</b>	Myocardial Infarction Scan
<b>78468</b>	Heart Infarct Image Ejection Fraction
<b>78469</b>	Heart Infarct Image 3D SPECT
<b>78472</b>	Cardiac Bloodpool Img, Single
<b>78473</b>	Cardiac Bloodpool Img, Multi
<b>78481</b>	Heart First Pass Single
<b>78483</b>	Cardiac Blood Pool Imaging -- Multiple
<b>78491</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)
<b>78492</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)
<b>78494</b>	Cardiac Blood Pool Imaging , SPECT
<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)
<b>78579</b>	Pulmonary ventilation imaging (eg, aerosol or gas)
<b>78580</b>	Pulmonary perfusion imaging (eg, particulate)
<b>78582</b>	Pulmonary ventilation (eg, aerosol or gas) and perfusion imaging
<b>78597</b>	Quantitative differential pulmonary perfusion, including imaging when performed
<b>78598</b>	Quantitative differential pulmonary perfusion and ventilation (eg, aerosol or gas), including imaging when performed
<b>78600</b>	Brain Imaging Limited Static
<b>78601</b>	Brain Limited Imaging And Flow
<b>78605</b>	Brain Imaging Complete
<b>78606</b>	Brain Imaging Complete With Flow
<b>78608</b>	Brain Imaging, Positron Emission Tomography (PET) Metabolic Evaluation
<b>78609</b>	Brain Imaging, Positron Emission Tomography (PET) Perfusion Evaluation
<b>78610</b>	Brain Flow Imaging Only
<b>78630</b>	Cisternogram (Cerebrospinal Fluid Flow)
<b>78635</b>	Cerebrospinal Ventriculography
<b>78645</b>	CSF Shunt Evaluation
<b>78650</b>	C S F Leakage Detection And Localization
<b>78660</b>	Radiopharmaceutical Dacryocystography
<b>78699</b>	Unlisted Nuclear Medicine Procedures on the Nervous System
<b>78700</b>	Kidney Imaging Morphology
<b>78701</b>	Kidney Imaging With Vascular Flow
<b>78707</b>	Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention

<b>78708</b>	Kidney Imaging Single Study With Pharmacological Intervention
<b>78709</b>	Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention
<b>78725</b>	Kidney Function Study - Non-Imaging Radioisotopic
<b>78730</b>	Urinary Bladder Residual Study
<b>78740</b>	Ureteral Reflux Study
<b>78761</b>	Testicular Imaging With Vascular Flow
<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
<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
<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
<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), single day imaging
<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
<b>78811</b>	PET Imaging; limited area
<b>78812</b>	PET Imaging: skull base to mid-thigh
<b>78813</b>	PET Imaging: whole body
<b>78814</b>	PET With Concurrently Acquired Ct; Limited Area
<b>78815</b>	PET With Concurrently Acquired Ct; Skull Base To Mid-Thigh
<b>78816</b>	PET With Concurrently Acquired Ct; Whole Body
<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), single day imaging
<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, abdomen and pelvis), single day imaging, or single area imaging over 2 or more days
<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, abdomen and pelvis), single day imaging, or single area imaging over 2 or more days
<b>78999</b>	Unlisted procedure, diagnostic nuclear medicine-radiation therapy treatment planning



<b>93303</b>	Transthoracic echocardiography for congenital cardiac anomalies; complete
<b>93304</b>	Transthoracic echocardiography for congenital cardiac anomalies; follow-up or limited study
<b>93306</b>	Echocardiography, transthoracic, real-time with image documentation (2d), includes m-mode recording, when performed, complete, with spectral doppler echocardiography, and with color flow doppler echocardiography
<b>93307</b>	Echocardiography, transthoracic, real-time with image documentation (2d) with or without m-mode recording; complete
<b>93308</b>	Echocardiography, transthoracic, real-time with image documentation (2d) with or without m-mode recording; follow-up or limited study
<b>93312</b>	TEE 2D;Incl Probe Placement, Imaging/Interp/Report
<b>93313</b>	Echocardiography, transesophageal, real-time with image documentation (2D) (with or without M-mode recording); placement of transesophageal probe only
<b>93314</b>	Echocardiography, transesophageal, real-time with image documentation (2D) (with or without M-mode recording); image acquisition, interpretation and report only
<b>93315</b>	Transesophageal echocardiography for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report
<b>93316</b>	Transesophageal echocardiography for congenital cardiac anomalies; placement of transesophageal probe only
<b>93317</b>	Transesophageal echocardiography for congenital cardiac anomalies; image acquisition, interpretation and report only
<b>93320</b>	Doppler echocardiography, pulsed wave and/or continuous wave with spectral display; complete
<b>93321</b>	Doppler echocardiography, pulsed wave and/or continuous wave with spectral display; follow-up or limited study
<b>93325</b>	Doppler echocardiography color flow velocity mapping
<b>93350</b>	Echocardiography, transthoracic, real-time with image documentation (2d), with or without m-mode recording, during rest and cardiovascular stress test, with interpretation and report
<b>93351</b>	Echocardiography, transthoracic, 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
<b>93352</b>	Use of echocardiographic contrast agent during stress echocardiography (list separately in addition to code for primary procedure)
<b>93356</b>	Myocardial strain imaging using speckle tracking-derived assessment of myocardial mechanics (List separately in addition to codes for echocardiography imaging)
<b>93451</b>	Right Heart Catheterization Including Measurement(S) Of Oxygen Saturation And Cardiac Output, When Performed
<b>93452</b>	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed
<b>93453</b>	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed
<b>93454</b>	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation
<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

<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
<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
<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
<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
<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
<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
<b>93462</b>	Left heart catheterization by transseptal puncture through intact septum or by transapical puncture (list separately in addition to code for primary procedure)
<b>93530</b>	Right Heart Catheterization (CHD)
<b>93531</b>	Right/Left Heart Catheterization (CHD)
<b>93532</b>	Right/Left Heart Catheterization (CHD-TS)
<b>93533</b>	Right/Left Heart Catheterization (CAD-ASD)
<b>0042T</b>	CT Perfusion Brain
<b>0331T</b>	Myocardial sympathetic innervation imaging, planar qualitative and quantitative assessment;
<b>0332T</b>	Myocardial sympathetic innervation imaging, planar qualitative and quantitative assessment; with tomographic SPECT
<b>0439T</b>	Myocardial contrast perfusion echocardiography, at rest or with stress, for assessment of myocardial ischemia or viability (List separately in addition to code for primary procedure)
<b>0501T</b>	Noninvasive estimated coronary fractional flow reserve (FFR) derived from coronary computed tomography angiography data using computation fluid dynamics physiologic simulation software analysis of functional data to assess the severity of coronary artery disease; data preparation and transmission, analysis of fluid dynamics and simulated maximal coronary hyperemia, generation of estimated FFR model, with anatomical data review in comparison with estimated FFR model to reconcile discordant data, interpretation and report
<b>0502T</b>	data preparation and transmission
<b>0503T</b>	analysis of fluid dynamics and simulated maximal coronary hyperemia, and generation of estimated FFR model
<b>0504T</b>	anatomical data review in comparison with estimated FFR model to reconcile discordant

	data, interpretation and report
<b>C8900</b>	MRA Abdomen with contrast
<b>C8901</b>	MRA Abdomen without contrast
<b>C8902</b>	MRA Abdomen with and w/o contrast
<b>C8903</b>	MRI Breast with contrast, unilateral
<b>C8905</b>	MRI Breast with and without contrast, unilateral
<b>C8906</b>	MRI Breast Bilateral with contrast
<b>C8908</b>	MRI Breast Bilateral with and without contrast
<b>C8909</b>	MRA chest with contrast (excluding myocardium)
<b>C8910</b>	MRA chest without contrast (excluding myocardium)
<b>C8911</b>	MRA chest with and without contrast (excluding myocardium)
<b>C8912</b>	MRA lower extremity with contrast
<b>C8913</b>	MRA lower extremity without contrast
<b>C8914</b>	MRA lower extremity with and without contrast
<b>C8918</b>	MRA pelvis with contrast
<b>C8919</b>	MRA pelvis without contrast
<b>C8920</b>	MRA pelvis with and without contrast
<b>C8921</b>	Transthoracic echocardiography w/contrast for congenital cardiac anomalies; complete
<b>C8922</b>	Transthoracic echocardiography w/contrast for congenital cardiac anomalies; f/u or limited study
<b>C8923</b>	Transthoracic echocardiography w/contrast, real-time w/image documentation (2d), w/wo m-mode recording; complete
<b>C8924</b>	Transthoracic echocardiography w/contrast, real-time w/image documentation (2d), w/wo m-mode recording; f/u or limited study
<b>C8925</b>	Transesophageal echocardiography (TEE) with contrast, or without contrast followed by with contrast, real time with image documentation (2D) (with or without M-mode recording); including probe placement, image acquisition, interpretation and report
<b>C8926</b>	Transesophageal echocardiography (TEE) with contrast, or without contrast followed by with contrast, for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report
<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
<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
<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
<b>C8931</b>	MRA, with Dye, Spinal Canal
<b>C8932</b>	MRA, without Dye, Spinal Canal
<b>C8933</b>	MRA, without & with Dye, Spinal Canal



<b>C8934</b>	MRA, with Dye, Upper Extremity
<b>C8935</b>	MRA, without Dye, Upper Extr
<b>C8936</b>	MRA, without & with Dye, Upper Extr
<b>G0219</b>	PET Imaging Whole Body; Melanoma For Non-Covered Indications
<b>G0235</b>	PET Imaging, Any Site, Not Otherwise Specified
<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
<b>G0297</b>	Low-dose Computed Tomography For Lung Cancer Screening
<b>S8037</b>	Magnetic resonance cholangiopancreato-graphy (MRCP)
<b>S8042</b>	Magnetic Resonance Imaging (MRI), Low-Field
<b>S8085</b>	Fluorine-18 Fluorodeoxyglucose (F-18 Fdg) Imaging Using Dual Head Coincidence Detection System. (Non-Dedicated Pet Scan)
<b>S8092</b>	Electron Beam Computed Tomography (Also Known As Ultrafast CT, CINET)

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