# **Payment Policy** | Prior Authorization – Cardiology and Radiology Services



**EFFECTIVE DATE:** 10|01|2019 **POLICY LAST UPDATED:** 01|10|2020

#### OVERVIEW

This policy documents the cardiology and radiology services in which prior authorization is required by the Blue Cross & Blue Shield of Rhode Island (BCBSRI) through the Cardiology and Radiology Management Program vendor for BlueCHiP for Medicare and Commercial Products.

### MEDICAL CRITERIA

### BlueCHiP for Medicare and Commercial Products

Clinical guidelines for approval of the tests listed below are found on the Cardiology and Radiology Management Program vendor's website which can be accessed at evicore.com or calling 888-233-8158 or faxing to 888-693-3210.

### PRIOR AUTHORIZATION

## BlueCHiP for Medicare and Commercial Products

Prior authorization is required for BlueCHiP for Medicare and recommended for Commercial Products.

**<u>NOTE</u>**: This prior authorization requirement does not apply to services rendered in an emergency room, observation or inpatient setting.

#### **POLICY STATEMENT**

#### BlueCHiP for Medicare and Commercial Products

The physician who orders the cardiology or radiology services must initiate and complete the authorization with the BCBSRI Cardiology and Radiology Management Program vendor. The ordering physician must maintain all documentation to support the clinical appropriateness of the study that is ordered and will complete the authorization accurately.

### For BCBSRI Participating Providers

Imaging facilities/hospitals are not allowed to obtain clinical authorization on behalf of the ordering physician. In no circumstance, unless expressly agreed to by BCBSRI in writing, will a physician use a representative of an imaging facility/hospital or anyone with a relationship to an imaging facility/hospital, to facilitate any portion of the authorization process with the Cardiology and Radiology Management Program vendor, including any element of the preparation of necessary documentation of clinical appropriateness. If an imaging facility/hospital is found to be supporting, without BCBSRI express written agreement, any portion of the authorization process, BCBSRI will deem the action a violation of this policy and severe action will be taken up to and including termination from the BCBSRI provider network. If a facility/hospital provides a cardiology or radiology service that has not been authorized, the service will be denied as the financial liability of the facility/hospital and may not be billed to the member.

### **OVERAGE**

Benefits may vary between groups/contracts. Please refer to the appropriate section of the Benefit Booklet, Evidence of Coverage or Subscriber Agreement for applicable Radiology/Diagnostic Imaging services.

## CODING:

The following codes are covered if approved by the BCBSRI's Cardiology and Radiology Management Program vendor.

CPT <sup>®</sup> Code	CPT <sup>®</sup> Code Description
33206	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial
33207	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular
33208	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular
33212	Insertion of pacemaker pulse generator only; with existing single lead
33213	Insertion of pacemaker pulse generator only; with existing dual leads
33214	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)
33221	Insertion of pacemaker pulse generator only; with existing multiple leads
33224	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)
33225	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)
33227	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; single lead system
33228	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; dual lead system
33229	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system
33230	Insertion of pacing cardioverter-defibrillator pulse generator only; with existing dual leads
33231	Insertion of pacing cardioverter-defibrillator pulse generator only; with existing multiple leads
33240	Insertion of pacing cardioverter-defibrillator pulse generator only; with existing single lead
33249	Insertion or replacement of permanent pacing cardioverter-defibrillator system with transvenous lead(s), single or dual chamber
33262	Removal of pacing cardioverter-defibrillator pulse generator with replacement of pacing cardioverter-defibrillator pulse generator; single lead system
33263	Removal of pacing cardioverter-defibrillator pulse generator with replacement of pacing cardioverter-defibrillator pulse generator; dual lead system
33264	Removal of pacing cardioverter-defibrillator pulse generator with replacement of pacing cardioverter-defibrillator pulse generator; multiple lead system
33270	Insertion or replacement of permanent subcutaneous implantabledefibrillator system, with subcutaneous electrode, including defibrillationthreshold evaluation, induction of arrhythmia, evaluation of sensing forarrhythmia termination, and programming or reprogramming of sensingor therapeutic parameters, when performed
33274	Transcatheter insertion or replacement of permanent leadless pacemaker, right ventricular, including imaging guidance (eg, fluoroscopy, venous ultrasound, ventriculography, femoral venography) and device evaluation (eg, interrogation or programming), when performed
33275	Transcatheter removal of permanent leadless pacemaker, right ventricular
33289	Transcatheter implantation of wireless pulmonary artery pressure sensor for long-term hemodynamic monitoring, including deployment and calibration of the sensor, right heart catheterization, selective pulmonary catheterization, radiological supervision and interpretation, and pulmonary artery angiography, when performed
70336	Magnetic resonance (eg, proton) imaging, temporomandibular joint(s)
70450	Computed tomography, head or brain; without contrast material
70460	Computed tomography, head or brain; with contrast material(s)
70470	Computed tomography, head or brain; without contrast material, followed by contrast material(s) and further sections
70480	Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; without contrast material
70481	Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; with contrast material(s)
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70482	Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; without contrast material, followed by contrast material(s) and further sections
70486	Computed tomography, maxillofacial area; without contrast material
70487	Computed tomography, maxillofacial area; with contrast material(s)
70488	Computed tomography, maxillofacial area; without contrast material, followed by contrast material(s) and further sections
70490	Computed tomography, soft tissue neck; without contrast material
70491	Computed tomography, soft tissue neck; with contrast material(s)
70492	Computed tomography, soft tissue neck; without contrast material followed by contrast material(s) and further sections
70496	Computed tomographic angiography, head, with contrast material(s), including noncontrast images, if performed, and image postprocessing
70498	Computed tomographic angiography, neck, with contrast material(s), including noncontrast images, if performed, and image postprocessing
70540	Magnetic resonance (eg, proton) imaging, orbit, face, and/or neck; without contrast material(s)
70542	Magnetic resonance (eg, proton) imaging, orbit, face, and/or neck; with contrast material(s)
70543	Magnetic resonance (eg, proton) imaging, orbit, face, and/or neck; without contrast material(s), followed by contrast material(s) and further sequences
70544	Magnetic resonance angiography, head; without contrast material(s)
70545	Magnetic resonance angiography, head; with contrast material(s)
70546	Magnetic resonance angiography, head; without contrast material(s), followed by contrast material(s) and further sequences
70547	Magnetic resonance angiography, neck; without contrast material(s)
70548	Magnetic resonance angiography, neck; with contrast material(s)
70549	Magnetic resonance angiography, neck; without contrast material(s), followed by contrast material(s) and further sequences
70551	Magnetic resonance (eg, proton) imaging, brain (including brain stem); without contrast material
70552	Magnetic resonance (eg, proton) imaging, brain (including brain stem); with contrast material(s)
70553	Magnetic resonance (eg, proton) imaging, brain (including brain stem); without contrast material, followed by contrast material(s) and further sequences
70554	Magnetic resonance imaging, brain, functional MRI; including test selection and administration of repetitive body part movement and/or visual stimulation, not requiring physician or psychologist administration
70555	Magnetic resonance imaging, brain, functional MRI; requiring physician or psychologist administration of entire neurofunctional testing
71250	Computed tomography, thorax; without contrast material
71260	Computed tomography, thorax; with contrast material(s)
71270	Computed tomography, thorax; without contrast material, followed by contrast material(s) and further sections
71275	Computed tomographic angiography, chest (noncoronary), with contrast material(s), including noncontrast images, if performed, and image postprocessing
71550	Magnetic resonance (eg, proton) imaging, chest (eg, for evaluation of hilar and mediastinal lymphadenopathy); without contrast material(s)
71551	Magnetic resonance (eg, proton) imaging, chest (eg, for evaluation of hilar and mediastinal lymphadenopathy); with contrast material(s)
71552	Magnetic resonance (eg, proton) imaging, chest (eg, for evaluation of hilar and mediastinal lymphadenopathy); without contrast material(s), followed by contrast material(s) and further sequences
71555	Magnetic resonance angiography, chest (excluding myocardium), with or without contrast material(s)
72125	Computed tomography, cervical spine; without contrast material
72126	Computed tomography, cervical spine; with contrast material
72127	Computed tomography, cervical spine; without contrast material, followed by contrast material(s) and further sections
72128	Computed tomography, thoracic spine; without contrast material
72129	Computed tomography, thoracic spine; with contrast material
72130	Computed tomography, thoracic spine; without contrast material, followed by contrast material(s) and further sections

72131	Computed tomography, lumbar spine; without contrast material
72132	Computed tomography, lumbar spine; with contrast material
72133	Computed tomography, lumbar spine; without contrast material, followed by contrast material(s) and further sections
72141	Magnetic resonance (eg, proton) imaging, spinal canal and contents, cervical; without contrast material
72142	Magnetic resonance (eg, proton) imaging, spinal canal and contents, cervical; with contrast material(s)
72146	Magnetic resonance (eg, proton) imaging, spinal canal and contents, thoracic; without contrast material
72147	Magnetic resonance (eg, proton) imaging, spinal canal and contents, thoracic; with contrast material(s)
72148	Magnetic resonance (eg, proton) imaging, spinal canal and contents, lumbar; without contrast material
72149	Magnetic resonance (eg, proton) imaging, spinal canal and contents, lumbar; with contrast material(s)
72156	Magnetic resonance (eg, proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; cervical
72157	Magnetic resonance (eg, proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; thoracic
72158	Magnetic resonance (eg, proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; lumbar
72159	Magnetic resonance angiography, spinal canal and contents, with or without contrast material(s)
72191	Computed tomographic angiography, pelvis, with contrast material(s), including noncontrast images, if performed, and image postprocessing
72192	Computed tomography, pelvis; without contrast material
72193	Computed tomography, pelvis; with contrast material(s)
72194	Computed tomography, pelvis; without contrast material, followed by contrast material(s) and further sections
72195	Magnetic resonance (eg, proton) imaging, pelvis; without contrast material(s)
72196	Magnetic resonance (eg, proton) imaging, pelvis; with contrast material(s)
72197	Magnetic resonance (eg, proton) imaging, pelvis; without contrast material(s), followed by contrast material(s) and further sequences
72198	Magnetic resonance angiography, pelvis, with or without contrast material(s)
73200	Computed tomography, upper extremity; without contrast material
73201	Computed tomography, upper extremity; with contrast material(s)
73202	Computed tomography, upper extremity; without contrast material, followed by contrast material(s) and further sections
73206	Computed tomographic angiography, upper extremity, with contrast material(s), including noncontrast images, if performed, and image postprocessing
73218	Magnetic resonance (eg, proton) imaging, upper extremity, other than joint; without contrast material(s)
73219	Magnetic resonance (eg, proton) imaging, upper extremity, other than joint; with contrast material(s)
73220	Magnetic resonance (eg, proton) imaging, upper extremity, other than joint; without contrast material(s), followed by contrast material(s) and further sequences
73221	Magnetic resonance (eg, proton) imaging, any joint of upper extremity; without contrast material(s)
73222	Magnetic resonance (eg, proton) imaging, any joint of upper extremity; with contrast material(s)
73223	Magnetic resonance (eg, proton) imaging, any joint of upper extremity; without contrast material(s), followed by contrast material(s) and further sequences
73225	Magnetic resonance angiography, upper extremity, with or without contrast material(s)
73700	Computed tomography, lower extremity; without contrast material
73701	Computed tomography, lower extremity; with contrast material(s)
73702	Computed tomography, lower extremity; without contrast material, followed by contrast material(s) and further sections
73706	Computed tomographic angiography, lower extremity, with contrast material(s), including noncontrast images, if performed, and image postprocessing
73718	Magnetic resonance (eg, proton) imaging, lower extremity other than joint; without contrast material(s)
73719	Magnetic resonance (eg, proton) imaging, lower extremity other than joint; with contrast material(s)
73720	Magnetic resonance (eg, proton) imaging, lower extremity other than joint; without contrast material(s), followed by contrast material(s) and further sequences
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73721	Magnetic resonance (eg, proton) imaging, any joint of lower extremity; without contrast material
73722	Magnetic resonance (eg, proton) imaging, any joint of lower extremity; with contrast material(s)
73723	Magnetic resonance (eg, proton) imaging, any joint of lower extremity; without contrast material(s), followed by contrast material(s) and further sequences
73725	Magnetic resonance angiography, lower extremity, with or without contrast material(s)
74150	Computed tomography, abdomen; without contrast material
74160	Computed tomography, abdomen; with contrast material(s)
74170	Computed tomography, abdomen; without contrast material, followed by contrast material(s) and further sections
74174	Computed tomographic angiography, abdomen and pelvis, with contrast material(s), including noncontrast images, if performed, and image postprocessing
74175	Computed tomographic angiography, abdomen, with contrast material(s), including noncontrast images, if performed, and image postprocessing
74176	Computed tomography, abdomen and pelvis; without contrast material
74177	Computed tomography, abdomen and pelvis; with contrast material(s)
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
74181	Magnetic resonance (eg, proton) imaging, abdomen; without contrast material(s)
74182	Magnetic resonance (eg, proton) imaging, abdomen; with contrast material(s)
74183	Magnetic resonance (eg, proton) imaging, abdomen; without contrast material(s), followed by with contrast material(s) and further sequences
74185	Magnetic resonance angiography, abdomen, with or without contrast material(s)
74261	Computed tomographic (CT) colonography, diagnostic, including image postprocessing; without contrast material
74262	Computed tomographic (CT) colonography, diagnostic, including image postprocessing; with contrast material(s) including non-contrast images, if performed
74263	Computed tomographic (CT) colonography, screening, including image postprocessing
74712	Magnetic resonance (eg, proton) imaging, fetal, including placental and maternal pelvic imaging when performed; single or first gestation
74713	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)
75557	Cardiac magnetic resonance imaging for morphology and function without contrast material;
75559	Cardiac magnetic resonance imaging for morphology and function without contrast material; with stress imaging
75561	Cardiac magnetic resonance imaging for morphology and function without contrast material(s), followed by contrast material(s) and further sequences;
75563	Cardiac magnetic resonance imaging for morphology and function without contrast material(s), followed by contrast material(s) and further sequences; with stress imaging
75565	Cardiac magnetic resonance imaging for velocity flow mapping (List separately in addition to code for primary procedure)
75571	Computed tomography, heart, without contrast material, with quantitative evaluation of coronary calcium
75572	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)
75573	Computed tomography, heart, with contrast material, for evaluation of cardiac structure and morphology in the setting of congenital heart disease
75574	Computed tomographic angiography, heart, coronary arteries and bypass grafts (when present), with contrast material, including 3D image postprocessing
75635	Computed tomographic angiography, abdominal aorta and bilateral iliofemoral lower extremity runoff, with contrast material(s), including noncontrast images, if performed, and image postprocessing
76376	3D rendering with interpretation and reporting of computed tomography, magnetic resonance imaging, ultrasound, or other tomographic modality with image postprocessing under concurrent supervision; not requiring image postprocessing on an independent workstation
76377	3D rendering with interpretation and reporting of computed tomography, magnetic resonance imaging, ultrasound, or other tomographic modality with image postprocessing under concurrent supervision; requiring image postprocessing on an independent workstation
76380	Computed tomography, limited or localized follow-up study
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76390	Magnetic resonance spectroscopy
76391	Magnetic resonance (eg, vibration) elastography
76497	Unlisted computed tomography procedure (eg, diagnostic, interventional)
76498	Unlisted magnetic resonance procedure (eg, diagnostic, interventional)
77011	Computed tomography guidance for stereotactic localization
77012	Computed tomography guidance for needle placement (eg, biopsy, aspiration, injection, localization device), radiological supervision and interpretation
77021	Magnetic resonance imaging guidance for needle placement (eg, for biopsy, needle aspiration, injection, or placement of localization device) radiological supervision and interpretation
77046	Magnetic resonance imaging, breast, without contrast material; unilateral
77047	Magnetic resonance imaging, breast, without contrast material; bilateral
77048	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
77049	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
77084	Magnetic resonance (eg, proton) imaging, bone marrow blood supply
78013	Thyroid imaging (including vascular flow, when performed)
78014	Thyroid imaging (including vascular flow, when performed); with single or multiple uptake(s) quantitative measurement(s) (including stimulation, suppression, or discharge, when performed)
78015	Thyroid Met Imaging
78016	Thyroid Met Imaging With Additional Studies
78018	Thyroid Scan Whole Body
78070	Parathyroid planar imaging (including subtraction, when performed)
78071	Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT)
78072	Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT), and concurrently acquired computed tomography (CT) for anatomical localization
78075	Adrenal Nuclear Imaging
78102	Bone Marrow Imaging, Limited
78103	Bone Marrow Imaging, Multiple
78140	Labeled Red Cell Sequestration
78185	Spleen Imaging With & Without Vascular Flow
78195	Lymph System Imaging
78201	Liver Imaging
78202	Liver Imaging With Flow
78206	Liver Imaging SPECT With Vasulcar Flow
78215	Liver & Spleen Imaging
78216	Liver & Spleen Imaging With Flow
78226	Hepatobiliary system imaging, including gallbladder when present;
78230	Salivary Gland Imaging
78231	Serial Salivary Gland
78232	Salivary Gland Function Exam
78258	Esophogus Motility Study
78261	Gastric Mucosa Imaging
78262	Gastroesophageal Reflux Exam
78264	Gastric Emptying Study
78265	Gastric emptying imaging study (eg, solid, liquid, or both); with small bowel transit

78266	Castric amptying imaging study (ag. solid, liquid, or both); with small hawal and salan transit, multiple days
	Gastric emptying imaging study (eg, solid, liquid, or both); with small bowel and colon transit, multiple days
78278	GI Bleeder Scan
78290	Meckels Diverticulum Imaging
78291	Leveen Shunt Patency Exam
78300	Bone Or Joint Imaging Limited
78305	Bone Or Joint Imaging Multiple
78306	Bone Scan Whole Body
78315	Bone Scan 3 Phase Study
78414	Non-Imaging Heart Function
78428	Cardiac Shunt Imaging
78432	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);
78433	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
78434	Absolute quantitation of myocardial blood flow (AQMBF), positron emission tomography (PET), rest and pharmacologic stress (List separately in addition to code for primary procedure)
78445	Radionuclide Venogram Non-Cardiac
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
78452	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 or stress
78453	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)
78454	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)
78457	Venous Thrombosis Imaging Unilateral
78458	Venous Thrombosis Images, Bilateral
78459	Myocardial imaging, positron emission tomography (PET), metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), single study
78466	Myocardial imaging, infarct avid, planar; qualitative or quantitative
78468	Myocardial imaging, infarct avid, planar; with ejection fraction by first pass technique
78469	Myocardial imaging, infarct avid, planar; tomographic SPECT with or without quantification
78472	Cardiac blood pool imaging, gated equilibrium; planar, single study at rest or stress (exercise and/or pharmacologic), wall motion study plus ejection fraction, with or without additional quantitative processing
78473	Cardiac blood pool imaging, gated equilibrium; multiple studies, wall motion study plus ejection fraction, at rest and stress (exercise and/or pharmacologic), with or without additional quantification
78481	Cardiac blood pool imaging (planar), first pass technique; single study, at rest or with stress (exercise and/or pharmacologic), wall motion study plus ejection fraction, with or without quantification
78483	Cardiac blood pool imaging (planar), first pass technique; multiple studies, at rest and with stress (exercise and/or pharmacologic), wall motion study plus ejection fraction, with or without quantification
78491	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)
78492	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/or stress (exercise or pharmacologic)
78494	Cardiac blood pool imaging, gated equilibrium, SPECT, at rest, wall motion study plus ejection fraction, with or without quantitative processing
78496	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)

78800blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, single78802Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, 2 or more multiple areas (eg, abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days78803Radiopharmaceutical 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 imaging78803Radiopharmaceutical 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 imaging78804Radiopharmaceutical 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 imaging78811Radiopharmaceutical 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 imaging78812Positron emission tomography (PET) imaging; skull base to mid-thigh78813Positron emission tomography (PET) with concurrently acquired computed tomography (CT) for attenuation correction and anatomical localization imaging; limited area (eg, chest, head/neck)78815Positron emission tomography (PET) with concurrently acquired computed tomography (CT) for attenuation		
78580         Pulmonary perfusion imaging (eg. particulate)           78582         Pulmonary ventilation (eg. aerosol or gas) and perfusion imaging           78597         Quanitative differential pulmonary perfusion, including imaging when performed           78598         Quanitative differential pulmonary perfusion, including imaging when performed           78600         Brain Imaging Complete           78601         Brain Imaging Complete           78602         Brain Imaging Complete Wth Flow           78603         Brain Imaging, positron emission tomography (PET); metabolic evaluation           78604         Brain Imaging, positron emission tomography (PET); metabolic evaluation           78605         Brain Imaging, positron emission tomography (PET); metabolic evaluation           78606         Cerebrospinal Ventriculography           78637         Cerebrospinal Fluid Flow)           78638         Cerebrospinal Ventriculography           78645         CSF F Leakago Detection And Localization           78650         Radiopharmaceutical Dacrocycystography           78700         Kidney Imaging Worth Vascular Flow           78707         Kidney Imaging Single Study With Pharmacological Intervention           78728         Kidney Imaging Single Study With Pharmacological Intervention           78729         Kidney Imaging Single Study With Pharmacological	78499	Unlisted cardiovascular procedure, diagnostic nuclear medicine
78582         Pulmonary ventilation (eg, aerosol or gas) and pertusion imaging when performed           78587         Quantitative differential pulmonary perfusion, including imaging when performed           78600         Brain Imaging Limited Static           78601         Brain Imaging Complete           78602         Brain Imaging Complete           78603         Brain Imaging Complete           78604         Brain Imaging Complete With Flow           78605         Brain Imaging, positron emission tomography (PET); metabolic evaluation           78606         Brain Imaging, positron emission tomography (PET); perfusion evaluation           78610         Brain Flow Imaging Only           78630         Cistemogram (Cerebrospinal Fluid Flow)           78645         CSF Shurt Evaluation           78650         C S F Leakage Detection And Localization           78666         Radiopharmaceutical Dacryocystography           78700         Kidney Imaging Morphology           78707         Kidney Imaging Morphology           78708         Kidney Imaging Single Study With Pharmacological Intervention           78709         Kidney Imaging Single Study With Pharmacological Intervention           78709         Kidney Imaging Raides Residual Study           78710         Kidney Imaging Angle Study With Pharmacological Intervention	78579	Pulmonary ventilation imaging (eg, aerosol or gas)
78597         Quantitative differential pulmonary perfusion, including imaging when performed           78598         Quantitative differential pulmonary perfusion and ventilation (eg. aerosol or gas), including imaging when performed           78600         Brain Imaging Limited Static           78601         Brain Limited Imaging And Flow           78605         Brain Imaging Complete           78606         Brain Imaging, positron emission tomography (PET); metabolic evaluation           78607         Brain Flow Imaging Only           78608         Brain Imaging, positron emission tomography (PET); perfusion evaluation           78610         Brain Flow Imaging Only           78623         Castemagram (Cerebrospinal Fluid Flow)           786345         CSF Elevalation           78645         C SF Leakage Detection And Localization           78650         Radiopharmaceutical Dacryocystography           78700         Kidney Imaging Morphology           78701         Kidney Imaging Single Study With Pharmacological Intervention           78702         Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention           78705         Kidney Imaging With Vascular Flow         Function Study           78704         Urierral Reflux Study         Function Study         Functintervention           78705	78580	Pulmonary perfusion imaging (eg, particulate)
78598         Quantitative differential pulmonary perfusion and ventilation (eg, aerosol or gas), including imaging when performed           78600         Brain Imaging Limited Static           78601         Brain Imaging Complete           78605         Brain imaging, Complete With Flow           78606         Brain imaging, cositron emission tomography (PET); metabolic evaluation           78608         Brain imaging, positron emission tomography (PET); perfusion evaluation           78609         Brain imaging, positron emission tomography (PET); perfusion evaluation           78610         Brain Flow Imaging Only           78625         C Serenospinal Ventriculography           78636         C Ser Functiculography           78645         C SF Functiculography           78660         Radiopharmaceutical Dacryocytography           78701         Kidney Imaging With Vascular Flow           78702         Kidney Imaging Single Study With Pharmacological Intervention           78703         Kidney Imaging Single Study With Pharmacological Intervention           78730         Kidney Imaging With Vascular Flow           78740         Ureteral Relitux Study           78751         Testicutar Imaging Ruth Vascular Flow           78762         Kidney Imaging With Vascular Flow           78763         Kidney Imaging With Vascular Flow </th <th>78582</th> <th>Pulmonary ventilation (eg, aerosol or gas) and perfusion imaging</th>	78582	Pulmonary ventilation (eg, aerosol or gas) and perfusion imaging
78600         Brain Imaging Limited Static           78601         Brain Imaging Limited Static           78605         Brain Imaging Complete           78606         Brain Imaging Complete           78607         Brain Imaging Complete           78608         Brain Imaging Complete           78609         Brain Imaging, positron emission tomography (PET); metabolic evaluation           78609         Brain Flow Imaging And           78610         Brain Flow Imaging Complete           78630         Cisternogram (Cerebrospinal Fluid Flow)           78630         Cisternogram (Cerebrospinal Fluid Flow)           78630         C S F Leakage Detection And Localization           78650         C S F Leakage Detection And Localization           78650         C S F Leakage Detection And Localization           78660         Radiopharmaceutical Dacryocystography           78701         Kidney Imaging Mith Vascular Flow           78702         Kidney Imaging Single Study With Pharmacological Intervention           78703         Kidney Imaging Single Study With Pharmacological Intervention           78704         Ureteral Reflux Study           78705         Kidney Imaging With Vascular Flow           78706         Kidney Imaging With Vascular Flow           7871	78597	Quantitative differential pulmonary perfusion, including imaging when performed
78601         Brain Limited Imaging And Flow           78605         Brain Limited Imaging Complete           78606         Brain Imaging Complete With Flow           78608         Brain Imaging, positron emission tomography (PET); metabolic evaluation           78609         Brain Imaging, positron emission tomography (PET); perfusion evaluation           78610         Brain Flow Imaging Only           78635         Casternogram (Carebrospinal Fluid Flow)           78635         Casternogram (Carebrospinal Fluid Flow)           78635         Casternogram (Carebrospinal Fluid Flow)           78635         Casternogram (Carebrospinal Ventriculography           78645         CS F Shunt Evaluation           78650         Radiopharmaceutical Dacryocystography           78700         Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention           78707         Kidney Imaging Single Study With Pharmacological Intervention           78708         Kidney Imaging Single Study With Pharmacological Intervention           78725         Kidney Imaging With Vascular Flow           78740         Urierral Reflux Study           78741         Testicular Imaging With Vascular Flow           78740         Urierral Reflux Study           78800         Radiopharmaceutical Iocalization of turnor, inflarmatory	78598	Quantitative differential pulmonary perfusion and ventilation (eg, aerosol or gas), including imaging when performed
78605         Brain Imaging Complete           78606         Brain Imaging, Complete With Flow           78608         Brain imaging, positron emission tomography (PET); metabolic evaluation           78609         Brain imaging, positron emission tomography (PET); perfusion evaluation           78610         Brain Flow Imaging Only           78635         Carebrospinal Ventriculography           78645         CSF Shunt Evaluation           78656         C S F Leakage Detection And Localization           78660         Radiopharmaceutical Dacryocystography           78700         Kidney Imaging With Vascular Flow 4           78707         Kidney Imaging With Vascular Flow 4           78707         Kidney Imaging With Vascular Flow 4           78708         Kidney Imaging Single Study With Pharmacological Intervention           78709         Kidney Imaging With Vascular Flow 4           78700         Kidney Imaging With Vascular Flow           78701         Kidney Imaging With Vascular Flow           78702         Kidney Imaging With Vascular Flow           78703         Urinary Bladder Residual Study           78704         Treteral Refux Study           78705         Kidney Imaging With Vascular Flow           78800         Radiopharmaceutical localization of tumor, inflammatory process or dis	78600	Brain Imaging Limited Static
78606         Brain Imaging Complete With Flow           78608         Brain Imaging, positron emission tomography (PET); metabolic evaluation           78609         Brain imaging, positron emission tomography (PET); metabolic evaluation           78610         Brain Flow Imaging, positron emission tomography (PET); perfusion evaluation           78610         Brain Flow Imaging Only           78610         Cistemogram (Cerebrospinal Fluid Flow)           78653         Cerebrospinal Ventriculography           78654         CSF Shurt Evaluation           78656         C S F Leakage Detection And Localization           78660         Radiopharmaceutical Dacryocystography           78700         Kidney Imaging Morphology           78701         Kidney Imaging With Vascular Flow           78702         Kidney Imaging Single Study With Pharmacological Intervention           78703         Kidney Imaging Single Study With Vascular Flow           78704         Ureteral Reflux Study           78730         Ureteral Reflux Study           78740         Ureteral Reflux Study           78740         Ureteral Reflux Study           78740         Ureteral Reflux Study           78740         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool i	78601	Brain Limited Imaging And Flow
78608         Brain imaging, positron emission tomography (PET); metabolic evaluation           78609         Brain imaging, positron emission tomography (PET); perfusion evaluation           78610         Brain Flow Imaging Only           78630         Cisternogram (Cerebrospinal Fluid Flow)           78635         Cerebrospinal Ventriculography           78645         CSF Shunt Evaluation           78660         R 2 F Leakage Detection And Localization           78660         R Adiopharmaceutical Dacryocystography           78700         Kidney Imaging Morphology           78701         Kidney Imaging Mith Vascular Flow           78702         Kidney Imaging Single Study With Pharmacological Intervention           78703         Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention           78704         Kidney Function Study - Non-Imaging Radioisotopic           78730         Urinary Blader Residual Study           78740         Ureteral Reflux Study           78740         Testicular Imaging with Vascular Flow           78800         Bodiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single Imited area (includes vascular flow and blood pool imaging, when performed); oplanar, 2 or more multiple areas (eg, abdomen and petvis, head and chest), 1 or more days imaging or singl	78605	Brain Imaging Complete
78609         Brain imaging, positron emission tomography (PET); perfusion evaluation           78610         Brain Flow Imaging Only           78630         Cisternogram (Cerebrospinal Fluid Flow)           78635         Cerebrospinal Ventriculography           78636         Cisternogram (Cerebrospinal Fluid Flow)           78635         Cerebrospinal Ventriculography           78636         C S F Leakage Detection And Localization           786360         C S F Leakage Detection And Localization           786361         C S F Leakage Detection And Localization           786362         C S F Leakage Detection And Localization           786363         C S F Leakage Detection And Localization           78644         Kidney Imaging Morphology           78701         Kidney Imaging Mith Vascular Flow & Function Single Study Without Pharmacological Intervention           78707         Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention           78708         Kidney Incition Study - Non-Imaging Radioisotopic           78710         Urinary Bladder Residual Study           78740         Ureteral Reflux Study           78741         Testicular Imaging with Vascular Flow           78800         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool	78606	Brain Imaging Complete With Flow
78610         Brain Flow Imaging Only           78630         Cisternogram (Cerebrospinal Fluid Flow)           78635         Cerebrospinal Ventriculography           78645         CSF Shunt Evaluation           78650         C S F Leakage Detection And Localization           78660         Radiopharmaceutical Dacryocystography           78670         Kidney Imaging Morphology           78701         Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention           78707         Kidney Imaging Single Study With Pharmacological Intervention           78708         Kidney Imaging Single Study With Pharmacological Intervention           78709         Kidney Imaging Single Study With Pharmacological Intervention           78725         Kidney Imaging With Vascular Flow           78740         Uriteral Relix Study           78740         Uriterar Relix Study           78741         Testicular Imaging With Vascular Flow           78740         Uriterar Relix Study           78740         Uriterar Relix Study           78740         Uriterar Relix Study           78740         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, aingle limited area (includes vascular flow and blood pool imaging or sing	78608	Brain imaging, positron emission tomography (PET); metabolic evaluation
78630         Cisternogram (Cerebrospinal Fluid Flow)           78635         Cerebrospinal Ventriculography           78645         CSF Shunt Evaluation           78650         C SF Leakage Detection And Localization           78650         C S F Leakage Detection And Localization           78600         Radiopharmaceutical Dacryocystography           78700         Kidney Imaging With Vascular Flow           78707         Kidney Imaging Single Study With Pharmacological Intervention           78708         Kidney Imaging Single Study With Pharmacological Intervention           78709         Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention           78709         Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention           78725         Kidney Function Study - Non-Imaging Radioisotopic           78730         Urinary Bladder Residual Study           78761         Testicular Imaging With Vascular Flow           787610         Testicular Inaging With Vascular Flow           78800         Includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, 2 or more molitiple areas (eg. abdomen and peivis, head and chest), 1 or more days imaging or single area imaging or vor more lulpis areas due thest, single day imaging           78800         Radiopharmaceutical localization of tum	78609	Brain imaging, positron emission tomography (PET); perfusion evaluation
78635         Cerebrospinal Ventriculography           78645         CSF Shunt Evaluation           78645         CS F Leakage Detection And Localization           78660         Radiopharmaceutical Dacryocystography           78700         Kidney Imaging Morphology           78701         Kidney Imaging Morphology           78702         Kidney Imaging With Vascular Flow           78703         Kidney Imaging Single Study With Pharmacological Intervention           78704         Kidney Imaging On Multiple Studies Without & With Pharmacological Intervention           78705         Kidney Imaging Vith Vascular Flow           78706         Kidney Imaging Vith Vascular Flow           78707         Kidney Imaging Vith Vascular Flow           78708         Kidney Function Study - Non-Imaging Radioisotopic           78710         Ureteral Reflux Study           78740         Ureteral Reflux Study           78761         Testicular Imaging With Vascular Flow           78800         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(S) (includes vascular flow and blood pool imaging, when performed); planar, aingle imited area (includes vascular aflow and blood pool imaging, when performed); planar, whole body, single day imaging           78802         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceu	78610	Brain Flow Imaging Only
78645         CSF Shunt Evaluation           78650         C S F Leakage Detection And Localization           78650         C S F Leakage Detection And Localization           78660         Radiopharmaceutical Dacryocystography           78700         Kidney Imaging Morphology           78701         Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention           78707         Kidney Imaging Single Study With Pharmacological Intervention           78708         Kidney Imaging Single Study With Pharmacological Intervention           78729         Kidney Imaging With Vascular Flow           78700         Urinary Bladder Residual Study           78730         Urinary Bladder Residual Study           78740         Ureteral Reflux Study           78761         Testicular Imaging With Vascular Flow           Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, 2 or more multiple areas (eg. abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging or or a distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, whele body, single day imaging           78803         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (include	78630	Cisternogram (Cerebrospinal Fluid Flow)
78650         C S F Leakage Detection And Localization           78650         Radiopharmaceutical Dacryocystography           78700         Kidney Imaging Morphology           78701         Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention           78707         Kidney Imaging Single Study With Pharmacological Intervention           78708         Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention           78709         Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention           78720         Kidney Function Study - Non-Imaging Radioisotopic           78730         Urinary Bladder Residual Study           78740         Urestral Reflux Study           78741         Testicular Imaging With Vascular Flow           Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single inside imaging, when performed); planar, single           78803         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           78803         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood po	78635	Cerebrospinal Ventriculography
78660         Radiopharmaceutical Dacryocystography           78700         Kidney Imaging Morphology           78701         Kidney Imaging With Vascular Flow           78707         Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention           78708         Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention           78709         Kidney Imaging Single Study With Pharmacological Intervention           78709         Kidney Function Study - Non-Imaging Radioisotopic           78710         Urinary Bladder Residual Study           78710         Uritary Bladder Residual Study           78761         Testicular Imaging With Vascular Flow           78761         Testicular Imaging With Vascular Flow           78800         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single area imaging over 2 or more multiple areas (eg, abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days           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 ady imaging           78803         Radiopharmaceutical localization of tumor,	78645	CSF Shunt Evaluation
78700         Kidney Imaging Morphology           78701         Kidney Imaging With Vascular Flow           78707         Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention           78707         Kidney Imaging Single Study With Pharmacological Intervention           78709         Kidney Imaging Single Study With Pharmacological Intervention           78709         Kidney Imaging Multiple Studies Without & With Pharmacological Intervention           78725         Kidney Function Study - Non-Imaging Radioisotopic           78740         Ureteral Reflux Study           78740         Ureteral Reflux Study           78761         Testicular Imaging With Vascular Flow           78800         (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single imited area (includes vascular flow and blood pool imaging, when performed); planar, single area imaging over 2 or more multiple areas (eg, abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days           78801         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           78802         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performe	78650	C S F Leakage Detection And Localization
78701       Kidney Imaging With Vascular Flow         78707       Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention         78708       Kidney Imaging Single Study With Pharmacological Intervention         78709       Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention         78725       Kidney Function Study - Non-Imaging Radioisotopic         78730       Urinary Bladder Residual Study         78740       Ureteral Reflux Study         78761       Testicular Imaging With Vascular Flow         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single area imaging over 2 or more days         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 (includes vascular flow and blood pool imaging, when performed); planar, whole body, single day imaging         78803       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         78804       Radiopharmaceutical localization of tumor, inflammato	78660	Radiopharmaceutical Dacryocystography
78707       Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention         78708       Kidney Imaging Single Study With Pharmacological Intervention         78709       Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention         78725       Kidney Function Study - Non-Imaging Radioisotopic         78730       Urinary Bladder Residual Study         78740       Ureteral Reflux Study         78761       Testicular Imaging With Vascular Flow         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single area imaging over 2 or more days         78802       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 days         78803       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         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, single agent(s) (includes vascular flow and blood pool imaging, w	78700	Kidney Imaging Morphology
78708       Kidney Imaging Single Study With Pharmacological Intervention         78709       Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention         78709       Kidney Function Study - Non-Imaging Radioisotopic         78730       Urinary Bladder Residual Study         78740       Ureteral Reflux Study         78761       Testicular Imaging With Vascular Flow         Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, 2 or more multiple areas (eg, abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days         78803       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 ay imaging         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, single agent(s) (includes vascular flow and blood pool imaging, when performed); planar, whole body, requiring 2 or more days imaging         78804       Radiopharmaceutical localization of tumor,	78701	Kidney Imaging With Vascular Flow
<ul> <li>78709 Kidney Imaging - Multiple Studies Without &amp; With Pharmacological Intervention</li> <li>78725 Kidney Function Study - Non-Imaging Radioisotopic</li> <li>78730 Urinary Bladder Residual Study</li> <li>78740 Ureteral Reflux Study</li> <li>78761 Testicular Imaging With Vascular Flow</li> <li>Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single</li> <li>78800 Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single</li> <li>78802 Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging or single area imaging over 2 or more days</li> <li>78803 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</li> <li>78804 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</li> <li>78811 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</li> <li>78812 Positron emission tomography (PET) imaging; whole body</li> <li>78813 Positron emission tomography (PET) imaging; whole b</li></ul>	78707	Kidney Imaging With Vascular Flow & Function Single Study Without Pharmacological Intervention
78725       Kidney Function Study - Non-Imaging Radioisotopic         78730       Urinary Bladder Residual Study         78740       Ureteral Reflux Study         78761       Testicular Imaging With Vascular Flow         78800       Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, 2 or more mulitple areas (eg. abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days         78803       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 mulitple areas (eg. abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days         78803       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         78811       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         78811       Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging	78708	Kidney Imaging Single Study With Pharmacological Intervention
<ul> <li>78730 Urinary Bladder Residual Study</li> <li>78740 Ureteral Reflux Study</li> <li>78761 Testicular Imaging With Vascular Flow</li> <li>Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, single</li> <li>78802 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 multiple areas (eg, abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days</li> <li>78803 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</li> <li>78804 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</li> <li>78811 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</li> <li>78812 Positron emission tomography (PET) imaging; skull base to mid-thigh</li> <li>78813 Positron emission tomography (PET) with concurrently acquired computed tomography (CT) for attenuation correction and anatomical localizat</li></ul>	78709	Kidney Imaging - Multiple Studies Without & With Pharmacological Intervention
<ul> <li>78740 Ureteral Reflux Study</li> <li>78761 Testicular Imaging With Vascular Flow</li> <li>Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed); planar, single and chest), 1 or more days imaging or single area imaging over 2 or more days</li> <li>78803 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</li> <li>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, single day imaging</li> <li>78804 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</li> <li>78811 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</li> <li>78812 Positron emission tomography (PET) imaging; skull base to mid-thigh</li> <li>78813 Positron emission tomography (PET) with concurrently acquired computed tomography (CT) for attenuation correction and anatomical localization imag</li></ul>	78725	Kidney Function Study - Non-Imaging Radioisotopic
<ul> <li>78761 Testicular Imaging With Vascular Flow</li> <li>Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single</li> <li>78802 Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single</li> <li>78802 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 multiple areas (eg. abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days</li> <li>78803 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</li> <li>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, single agent(s) (includes vascular flow and blood pool imaging, when performed); planar, whole body, single agent(s) (includes vascular flow and blood pool imaging, when performed); planar, whole body, requiring 2 or more days imaging</li> <li>78811 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</li> <li>78811 Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, whol</li></ul>	78730	Urinary Bladder Residual Study
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<ul> <li>(includes vascular flow and blood pool imaging, when performed); planar, 2 or more multiple areas (eg, abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days</li> <li>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</li> <li>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</li> <li>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</li> <li>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</li> <li>Ratiopharmaceutical 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</li> <li>Positron emission tomography (PET) imaging; skull base to mid-thigh</li> <li>Positron emission tomography (PET) with concurrently acquired computed tomography (CT) for attenuation correction and anatomical localization imaging; limited area (eg, chest, head/neck)</li> <li>Positron emission tomography (PET) with concurrently acquired computed tomography (CT) for attenuation correction and anatomical localization imaging; skull base to mid-thigh</li> <li>Positron emission tomography (PET) with concurrently acquired computed tomography (CT) for attenuation correction and anatomic</li></ul>	78800	(includes vascular flow and blood pool imaging, when performed); planar, single limited area (includes vascular flow and blood pool imaging, when performed); planar, single (includes vascular flow and blood pool imaging, when performed);
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78815       and anatomical localization imaging; skull base to mid-thigh         78816       Positron emission tomography (PET) with concurrently acquired computed tomography (CT) for attenuation correction	78814	and anatomical localization imaging; limited area (eg, chest, head/neck)
	78815	and anatomical localization imaging; skull base to mid-thigh
and anatomical localization imaging, whole body	78816	Positron emission tomography (PET) with concurrently acquired computed tomography (CT) for attenuation correction and anatomical localization imaging; whole body

	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s)
78830	(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
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, abdomen and pelvis), single day imaging, or single area imaging over 2 or more days
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, abdomen and pelvis), single day imaging, or single area imaging over 2 or more days
93303	Transthoracic echocardiography for congenital cardiac anomalies; complete
93304	Transthoracic echocardiography for congenital cardiac anomalies; follow-up or limited study
93306	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
93307	Echocardiography, transthoracic, real-time with image documentation (2d) with or without m-mode recording; complete
93308	Echocardiography, transthoracic, real-time with image documentation (2d) with or without m-mode recording; follow-up or limited study
93312	TEE 2D;Incl Probe Placement, Imaging/Interp/Report
93313	Echocardiography, transesophageal, real-time with image documentation (2D) (with or without M-mode recording); placement of transesophageal probe only
93314	Echocardiography, transesophageal, real-time with image documentation (2D) (with or without M-mode recording); image acquisition, interpretation and report only
93315	Transesophageal echocardiography for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report
93316	Transesophageal echocardiography for congenital cardiac anomalies; placement of transesophageal probe only
93317	Transesophageal echocardiography for congenital cardiac anomalies; image acquisition, interpretation and report only
93320	Doppler echocardiography, pulsed wave and/or continuous wave with spectral display; complete
93321	Doppler echocardiography, pulsed wave and/or continuous wave with spectral display; follow-up or limited study
93325	Doppler echocardiography color flow velocity mapping
93350	Echocardiography, transthoracic, real-time with image documentation (2d), with or without m-mode recording, during rest and cardiovascular stress test, with interpretation and report
93351	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
93352	Use of echocardiographic contrast agent during stress echocardiography (list separately in addition to code for primary procedure)
93356	Myocardial strain imaging using speckle tracking-derived assessment of myocardial mechanics (List separately in addition to codes for echocardiography imaging)
93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed
93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed
93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation
93455	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
93456	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right heart catheterization
93457	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

93458	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
93459	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
93460	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
93461	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
93462	Left heart catheterization by transseptal puncture through intact septum or by transapical puncture (list separately in addition to code for primary procedure)
93530	Right Heart Catheterization (CHD)
93531	Right/Left Heart Catheterization (CHD)
93532	Right/Left Heart Catheterization (CHD-TS)
93533	Right/Left Heart Catheterization (CAD-ASD)
0042T	Cerebral perfusion analysis using computed tomography with contrast administration, including post-processing of parametric maps with determination of cerebral blood flow, cerebral blood volume, and mean transit time
0331T	Myocardial sympathetic innervation imaging, planar qualitative and quantitative assessment;
0332T	Myocardial sympathetic innervation imaging, planar qualitative and quantitative assessment; with tomographic SPECT
0439T	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)
0501T	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 discordantdata, interpretation and report
0502T	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
0503T	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; analysis of fluid dynamics and simulated maximal coronary hyperemia, and generation of estimated ffr model
0504T	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; anatomical data review in comparison with estimated ffr model to reconcile discordant data, interpretation and report
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])
0516T	Insertion of wireless cardiac stimulator for left ventricular pacing, including device interrogation and programming, and imaging supervision and interpretation, when performed; electrode only
0517T	Insertion of wireless cardiac stimulator for left ventricular pacing, including device interrogation and programming, and imaging supervision and interpretation, when performed; pulse generator component(s) (battery and/or transmitter) only
0519T	Removal and replacement of wireless cardiac stimulator for left ventricular pacing; pulse generator component(s) (battery and/or transmitter)
0520T	Removal and replacement of wireless cardiac stimulator for left ventricular pacing; pulse generator component(s) (battery and/or transmitter), including placement of a new electrode
0572T	Insertion of substernal implantable defibrillator electrode
C8921	Transthoracic echocardiography w/contrast for congenital cardiac anomalies; complete
C8922	Transthoracic echocardiography w/contrast for congenital cardiac anomalies; f/u or limited study
C8923	Transthoracic echocardiography w/contrast, real-time w/image documentation (2d), w/wo m-mode recording; complete
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C8924	Transthoracic echocardiography w/contrast, real-time w/image documentation (2d), w/wo m-mode recording; f/u or limited study
C8925	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
C8926	Transesophageal echocardiography (TEE) with contrast, or without contrast followed by with contrast, for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report
C8928	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
C8929	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
C8930	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
G0219	Pet imaging whole body; melanoma for non-covered indications
G0235	PET Imaging, Any Site, Not Otherwise Specified
G0252	Pet imaging, full and partial-ring pet scanners only, for initial diagnosis of breast cancer and/or surgical planning for breast cancer (e.g., initial staging of axillary lymph nodes)
G0297	Low dose ct scan (ldct) for lung cancer screening
S8037	Magnetic resonance cholangiopancreatography (mrcp)
S8042	Magnetic resonance imaging (mri), low-field
S8092	Electron beam computed tomography (also known as ultrafast ct, cine ct)

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