



## Radiology\_Cardiology Ultrasound\_Cardiac Catheter Substitution Rules 2023

PRECERTIFICATION GIVEN WITH THIS CPT CODE		CLAIM SUBMITTED WITH THIS CPT CODE WILL BE ALLOWED	
Code	Code Description	Code	Code Description
70450	Computerized axial tomography, head or brain; without contrast material	76380	Computerized tomography, limited or localized follow-up study
70460	Computerized axial tomography, head or brain; with contrast material(s)	70450	Computerized axial tomography, head or brain; without contrast material
70460	Computerized axial tomography, head or brain; with contrast material(s)	76380	Computerized tomography, limited or localized follow-up study
70470	Computerized axial tomography, head or brain; without contrast material, followed by contrast material(s) and further sections	70450	Computerized axial tomography, head or brain; without contrast material
70470	Computerized axial tomography, head or brain; without contrast material, followed by contrast material(s) and further sections	70460	Computerized axial tomography, head or brain; with contrast material(s)
70470	Computerized axial tomography, head or brain; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
70480	Computerized axial tomography, orbit, sella, or posterior fossa or outer, middle or inner ear; without contrast material	76380	Computerized tomography, limited or localized follow-up study
70481	Computerized axial tomography, orbit, sella, or posterior fossa or outer, middle or inner ear; with contrast material(s)	70480	Computerized axial tomography, orbit, sella, or posterior fossa or outer, middle or inner ear; without contrast material
70481	Computerized axial tomography, orbit, sella, or posterior fossa or outer, middle or inner ear; with contrast material(s)	76380	Computerized tomography, limited or localized follow-up study
70482	Computerized axial tomography, orbit, sella, or posterior fossa or outer, middle or inner ear; without contrast material, followed by contrast material(s) and further sections	70480	Computerized axial tomography, orbit, sella, or posterior fossa or outer, middle or inner ear; without contrast material
70482	Computerized axial tomography, orbit, sella, or posterior fossa or outer, middle or inner ear; without contrast material, followed by contrast material(s) and further sections	70481	Computerized axial tomography, orbit, sella, or posterior fossa or outer, middle or inner ear; with contrast material(s)
70482	Computerized axial tomography, orbit, sella, or posterior fossa or outer, middle or inner ear; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
70486	Computerized axial tomography, maxillofacial area; without contrast material	76380	Computerized tomography, limited or localized follow-up study
70487	Computerized axial tomography, maxillofacial area; with contrast material(s)	70486	Computerized axial tomography, maxillofacial area; without contrast material
70487	Computerized axial tomography, maxillofacial area; with contrast material(s)	76380	Computerized tomography, limited or localized follow-up study
70488	Computerized axial tomography, maxillofacial area; without contrast material, followed by contrast material(s) and further sections	70486	Computerized axial tomography, maxillofacial area; without contrast material
70488	Computerized axial tomography, maxillofacial area; without contrast material, followed by contrast material(s) and further sections	70487	Computerized axial tomography, maxillofacial area; with contrast material(s)

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Code	Code Description	Code	Code Description
70488	Computerized axial tomography, maxillofacial area; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
70490	Computerized axial tomography, soft tissue neck; without contrast material	76380	Computerized tomography, limited or localized follow-up study
70491	Computerized axial tomography, soft tissue neck; with contrast material(s)	70490	Computerized axial tomography, soft tissue neck; without contrast material
70491	Computerized axial tomography, soft tissue neck; with contrast material(s)	76380	Computerized tomography, limited or localized follow-up study
70492	Computerized axial tomography, soft tissue neck; without contrast material, followed by contrast material(s) and further sections	70490	Computerized axial tomography, soft tissue neck; without contrast material
70492	Computerized axial tomography, soft tissue neck; without contrast material, followed by contrast material(s) and further sections	70491	Computerized axial tomography, soft tissue neck; with contrast material(s)
70492	Computerized axial tomography, soft tissue neck; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
70542	Magnetic resonance (e.g., proton) imaging, orbit, face, and/or neck; with contrast material(s)	70540	Magnetic resonance (e.g., proton) imaging, orbit, face, and/or neck; without contrast material(s)
70543	Magnetic resonance (e.g., proton) imaging, orbit, face, and/or neck; without contrast material(s), followed by contrast material(s) and further sequences	70540	Magnetic resonance (e.g., proton) imaging, orbit, face, and/or neck; without contrast material(s)
70543	Magnetic resonance (e.g., proton) imaging, orbit, face, and/or neck; without contrast material(s), followed by contrast material(s) and further sequences	70542	Magnetic resonance (e.g., proton) imaging, orbit, face, and/or neck; with contrast material(s)
70545	Magnetic resonance angiography, head; with contrast material(s) 2001 CPT	70544	Magnetic resonance angiography, head; without contrast material(s)
70546	Magnetic resonance angiography, head; without and with contrast material(s)	70544	Magnetic resonance angiography, head; without contrast material(s)
70546	Magnetic resonance angiography, head; without and with contrast material(s)	70545	Magnetic resonance angiography, head; with contrast material(s)
70548	Magnetic resonance angiography, neck; with contrast material(s)	70547	Magnetic resonance angiography, neck; without contrast material(s)
70549	Magnetic resonance angiography, neck; without contrast material(s), followed by contrast material(s) and further sequences	70547	Magnetic resonance angiography, neck; without contrast material(s)
70549	Magnetic resonance angiography, neck; without contrast material(s), followed by contrast material(s) and further sequences	70548	Magnetic resonance angiography, neck; with contrast material(s)
70552	Magnetic resonance (e.g., proton) imaging, brain (including brain stem); with contrast material(s)	70551	Magnetic resonance (e.g., proton) imaging, brain (including brain stem); without contrast material
70553	Magnetic resonance (e.g., proton) imaging, brain (including brain stem); without contrast material, followed by contrast materials(s) and further sequences	70551	Magnetic resonance (e.g., proton) imaging, brain (including brain stem); without contrast material
70553	Magnetic resonance (e.g., proton) imaging, brain (including brain stem); without contrast material, followed by contrast materials(s) and further sequences	70552	Magnetic resonance (e.g., proton) imaging, brain (including brain stem); with contrast material(s)
71250	Computed tomography, thorax, diagnostic; without contrast material	76380	Computerized tomography, limited or localized follow-up study
71260	Computed tomography, thorax, diagnostic; with contrast material(s)	71250	Computed tomography, thorax, diagnostic; without contrast material
71260	Computed tomography, thorax, diagnostic; with contrast material(s)	76380	Computerized tomography, limited or localized follow-up study
71270	Computed tomography, thorax, diagnostic; without contrast material, followed by contrast material(s) and further sections	71250	Computed tomography, thorax, diagnostic; without contrast material
71270	Computed tomography, thorax, diagnostic; without contrast material, followed by contrast material(s) and further sections	71260	Computed tomography, thorax, diagnostic; with contrast material(s)

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Code	Code Description	Code	Code Description
71270	Computed tomography, thorax, diagnostic; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
71551	Magnetic resonance (e.g., proton) imaging, chest (e.g., for evaluation of hilar and mediastinal lymphadenopathy); with contrast material(s)	71550	Magnetic resonance (e.g., proton) imaging, chest (e.g., for evaluation of hilar and mediastinal lymphadenopathy); without contrast material(s)
71552	Magnetic resonance (e.g., proton) imaging, chest (e.g., for evaluation of hilar and mediastinal lymphadenopathy); without contrast material(s) followed by contrast material(s) and further sequences	71550	Magnetic resonance (e.g., proton) imaging, chest (e.g., for evaluation of hilar and mediastinal lymphadenopathy); without contrast material(s)
71552	Magnetic resonance (e.g., proton) imaging, chest (e.g., for evaluation of hilar and mediastinal lymphadenopathy); without contrast material(s) followed by contrast material(s) and further sequences	71551	Magnetic resonance (e.g., proton) imaging, chest (e.g., for evaluation of hilar and mediastinal lymphadenopathy); with contrast material(s)
71555	Magnetic resonance angiography, chest (excluding myocardium), with or without contrast material(s)	71275	Computed tomographic angiography, chest (noncoronary), without contrast material(s), followed by contrast material(s) and further sections, including image post-processing
71555	Magnetic resonance angiography, chest (excluding myocardium), with or without contrast material(s)	C8909	Magnetic resonance angiography with contrast, chest (excluding myocardium)
71555	Magnetic resonance angiography, chest (excluding myocardium), with or without contrast material(s)	C8910	Magnetic resonance angiography without contrast, chest (excluding myocardium)
71555	Magnetic resonance angiography, chest (excluding myocardium), with or without contrast material(s)	C8911	Magnetic resonance angiography without contrast followed by with contrast, chest (excluding myocardium)
72125	Computerized axial tomography, cervical spine; without contrast material	76380	Computerized tomography, limited or localized follow-up study
72126	Computerized axial tomography, cervical spine; with contrast material	72125	Computerized axial tomography, cervical spine; without contrast material
72126	Computerized axial tomography, cervical spine; with contrast material	76380	Computerized tomography, limited or localized follow-up study
72127	Computerized axial tomography, cervical spine; without contrast material, followed by contrast material(s) and further sections	72125	Computerized axial tomography, cervical spine; without contrast material
72127	Computerized axial tomography, cervical spine; without contrast material, followed by contrast material(s) and further sections	72126	Computerized axial tomography, cervical spine; with contrast material
72127	Computerized axial tomography, cervical spine; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
72128	Computerized axial tomography, thoracic spine; without contrast material	76380	Computerized tomography, limited or localized follow-up study
72129	Computerized axial tomography, thoracic spine; with contrast material	72128	Computerized axial tomography, thoracic spine; without contrast material
72129	Computerized axial tomography, thoracic spine; with contrast material	76380	Computerized tomography, limited or localized follow-up study
72130	Computerized axial tomography, thoracic spine; without contrast material, followed by contrast material(s) and further sections	72128	Computerized axial tomography, thoracic spine; without contrast material
72130	Computerized axial tomography, thoracic spine; without contrast material, followed by contrast material(s) and further sections	72129	Computerized axial tomography, thoracic spine; with contrast material
72130	Computerized axial tomography, thoracic spine; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
72131	Computerized axial tomography, lumbar spine; without contrast material	76380	Computerized tomography, limited or localized follow-up study
72132	Computerized axial tomography, lumbar spine; with contrast material	72131	Computerized axial tomography, lumbar spine; without contrast material
72132	Computerized axial tomography, lumbar spine; with contrast material	76380	Computerized tomography, limited or localized follow-up study

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Code	Code Description	Code	Code Description
72133	Computerized axial tomography, lumbar spine; without contrast material, followed by contrast material(s) and further sections	72131	Computerized axial tomography, lumbar spine; without contrast material
72133	Computerized axial tomography, lumbar spine; without contrast material, followed by contrast material(s) and further sections	72132	Computerized axial tomography, lumbar spine; with contrast material
72133	Computerized axial tomography, lumbar spine; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
72142	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, cervical; with contrast material(s)	72141	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, cervical; without contrast material
72147	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, thoracic-; with contrast material(s)	72146	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, thoracic without contrast material(s)
72149	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, lumbar; with contrast material(s)	72148	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, lumbar; without contrast material
72156	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; cervical	72141	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, cervical; without contrast material
72156	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; cervical	72142	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, cervical; with contrast material(s)
72157	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; thoracic	72146	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, thoracic; without contrast material
72157	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; thoracic	72147	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, thoracic; with contrast material(s)
72158	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; lumbar	72148	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, lumbar; without contrast material
72158	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; lumbar	72149	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, lumbar; with contrast material(s)
72159	Magnetic Resonance angiography, spinal canal and contents, with or without contrast material	C8931	Magnetic resonance angiography with contrast, spinal canal and contents
72159	Magnetic Resonance angiography, spinal canal and contents, with or without contrast material	C8932	Magnetic resonance angiography without contrast, spinal canal and contents
72159	Magnetic Resonance angiography, spinal canal and contents, with or without contrast material	C8933	Magnetic resonance angiography without contrast followed by with contrast, spinal canal and contents
72192	Computerized axial tomography, pelvis; without contrast material	76380	Computerized tomography, limited or localized follow-up study
72193	Computerized axial tomography, pelvis; with contrast material(s)	72192	Computerized axial tomography, pelvis; without contrast material
72193	Computerized axial tomography, pelvis; with contrast material(s)	76380	Computerized tomography, limited or localized follow-up study
72194	Computerized axial tomography, pelvis; without contrast material, followed by contrast material(s) and further sections	72192	Computerized axial tomography, pelvis; without contrast material
72194	Computerized axial tomography, pelvis; without contrast material, followed by contrast material(s) and further sections	72193	Computerized axial tomography, pelvis; with contrast material(s)
72194	Computerized axial tomography, pelvis; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
72196	Magnetic resonance (e.g., proton) imaging, pelvis; with contrast material(s)	72195	Magnetic resonance (e.g., proton) imaging, pelvis; without contrast material(s)
72197	Magnetic resonance (e.g., proton) imaging, pelvis; without contrast material(s), followed by contrast material(s) and further sequences	72195	Magnetic resonance (e.g., proton) imaging, pelvis; without contrast material(s)

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Code	Code Description	Code	Code Description
72197	Magnetic resonance (e.g., proton) imaging, pelvis; without contrast material(s), followed by contrast material(s) and further sequences	72196	Magnetic resonance (e.g., proton) imaging, pelvis; with contrast material(s)
72198	Magnetic resonance angiography, pelvis, with or without contrast material(s)	72191	Computerized tomographic angiography, pelvis, without contrast material(s), followed by contrast material(s) and further sections, including image post-processing
72198	Magnetic resonance angiography, pelvis, with or without contrast material(s)	C8918	Magnetic resonance angiography with contrast, pelvis
72198	Magnetic resonance angiography, pelvis, with or without contrast material(s)	C8919	Magnetic resonance angiography without contrast, pelvis
72198	Magnetic resonance angiography, pelvis, with or without contrast material(s)	C8920	Magnetic resonance angiography without contrast followed by with contrast, pelvis
73200	Computerized axial tomography, upper extremity; without contrast material	76380	Computerized tomography, limited or localized follow-up study
73201	Computerized axial tomography, upper extremity; with contrast material(s)	73200	Computerized axial tomography, upper extremity; without contrast material
73201	Computerized axial tomography, upper extremity; with contrast material(s)	76380	Computerized tomography, limited or localized follow-up study
73202	Computerized axial tomography, upper extremity; without contrast material, followed by contrast material(s) and further sections	73200	Computerized axial tomography, upper extremity; without contrast material
73202	Computerized axial tomography, upper extremity; without contrast material, followed by contrast material(s) and further sections	73201	Computerized axial tomography, upper extremity; with contrast material(s)
73202	Computerized axial tomography, upper extremity; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
73218	Magnetic Resonance (eg, proton) , imaging, upper extremity other than joint; without contrast material(s)	73221	Magnetic Resonance (eg, proton) imaging upper extremity joint; without contrast material(s)
73219	Magnetic resonance (e.g., proton) imaging, upper extremity, other than joint; with contrast material(s)	73218	Magnetic resonance (e.g., 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)	73221	Magnetic Resonance (eg, proton) imaging upper extremity joint; without contrast material(s)
73219	Magnetic Resonance (eg, proton) imaging upper extremity other than joint; with contrast material(s)	73222	Magnetic Resonance (eg, proton) , imaging, upper extremity joint; with contrast material(s)
73220	Magnetic resonance (e.g., proton) imaging, upper extremity other than joint without contrast material(s), followed by contrast material and further sequences	73218	Magnetic resonance (e.g., proton) imaging, upper extremity, other than joint; without contrast material(s)
73220	Magnetic resonance (e.g., proton) imaging, upper extremity other than joint without contrast material(s), followed by contrast material and further sequences	73219	Magnetic resonance (e.g., proton) imaging, upper extremity, other than joint; with contrast material(s)
73220	Magnetic Resonance (eg, proton) imaging, upper extremity other than joint; without and with contrast material(s)	73221	Magnetic Resonance (eg, proton) imaging upper extremity joint; without contrast material(s)
73220	Magnetic Resonance (eg, proton) imaging, upper extremity other than joint; without and with contrast material(s)	73222	Magnetic Resonance (eg, proton) , imaging, upper extremity joint; with contrast material(s)
73220	Magnetic Resonance (eg, proton) imaging, upper extremity other than joint; without and with contrast material(s)	73223	Magnetic Resonance (eg, proton) imaging, upper extremity joint; without and with contrast material(s)
73222	Magnetic Resonance (eg, proton) , imaging, upper extremity joint; with contrast material(s)	73218	Magnetic Resonance (eg, proton) , imaging, upper extremity other than joint; without contrast material(s)
73222	Magnetic resonance (e.g., proton) imaging, any joint of upper extremity; with contrast material(s)	73221	Magnetic resonance (e.g., proton) imaging, any joint of upper extremity; without contrast material(s)
73223	Magnetic Resonance (eg, proton) imaging, upper extremity joint; without and with contrast material(s)	73218	Magnetic Resonance (eg, proton) , imaging, upper extremity other than joint; without contrast material(s)
73223	Magnetic Resonance (eg, proton) imaging, upper extremity joint; without and with contrast material(s)	73219	Magnetic Resonance (eg, proton) imaging upper extremity other than joint; with contrast material(s)

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Code	Code Description	Code	Code Description
73223	Magnetic resonance (e.g., proton) imaging, any joint of upper extremity; without contrast material(s), followed by contrast material(s) and further sequences	73221	Magnetic resonance (e.g., proton) imaging, any joint of upper extremity; without contrast material(s)
73223	Magnetic resonance (e.g., proton) imaging, any joint of upper extremity; without contrast material(s), followed by contrast material(s) and further sequences	73222	Magnetic resonance (e.g., proton) imaging, any joint of upper extremity; with contrast material(s)
73225	Magnetic resonance angiography, upper extremity, with or without contrast materials	C8934	Magnetic resonance angiography with contrast, upper extremity
73225	Magnetic resonance angiography, upper extremity, with or without contrast materials	C8935	Magnetic resonance angiography without contrast, upper extremity
73225	Magnetic resonance angiography, upper extremity, with or without contrast materials	C8936	Magnetic resonance angiography without contrast followed by with contrast, upper extremity
73700	Computerized axial tomography, lower extremity; without contrast material	76380	Computerized tomography, limited or localized follow-up study
73701	Computerized axial tomography, lower extremity; with contrast material(s)	73700	Computerized axial tomography, lower extremity; without contrast material
73701	Computerized axial tomography, lower extremity; with contrast material(s)	76380	Computerized tomography, limited or localized follow-up study
73702	Computerized axial tomography, lower extremity; without contrast material, followed by contrast material(s) and further sections	73700	Computerized axial tomography, lower extremity; without contrast material
73702	Computerized axial tomography, lower extremity; without contrast material, followed by contrast material(s) and further sections	73701	Computerized axial tomography, lower extremity; with contrast material(s)
73702	Computerized axial tomography, lower extremity; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
73718	Magnetic Resonance (eg, proton) , imaging, lower extremity other than joint; without contrast material(s)	73721	Magnetic Resonance (eg, proton) imaging lower extremity joint; without contrast material(s)
73719	Magnetic resonance (e.g., proton) imaging, lower extremity other than joint; with contrast material(s)	73718	Magnetic resonance (e.g., 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)	73721	Magnetic Resonance (eg, proton) imaging lower extremity joint; without contrast material(s)
73720	Magnetic resonance (e.g., proton) imaging, lower extremity other than joint without contrast material(s), followed by contrast material and further sequences	73718	Magnetic resonance (e.g., proton) imaging, lower extremity other than joint; without contrast material(s)
73720	Magnetic resonance (e.g., proton) imaging, lower extremity other than joint without contrast material(s), followed by contrast material and further sequences	73719	Magnetic resonance (e.g., proton) imaging, lower extremity other than joint; with contrast material(s)
73720	Magnetic Resonance (eg, proton) imaging, lower extremity other than joint; without and with contrast material(s)	73721	Magnetic Resonance (eg, proton) imaging lower extremity joint; without contrast material(s)
73720	Magnetic Resonance (eg, proton) imaging, lower extremity other than joint; without and with contrast material(s)	73722	Magnetic Resonance (eg, proton) , imaging, lower extremity joint; with contrast material(s)
73722	Magnetic Resonance (eg, proton) , imaging, lower extremity joint; with contrast material(s)	73718	Magnetic Resonance (eg, proton) , imaging, lower extremity other than joint; without contrast material(s)
73722	Magnetic Resonance (eg, proton) , imaging, lower extremity joint; with contrast material(s)	73719	Magnetic Resonance (eg, proton) imaging, lower extremity other than joint; with contrast material(s)
73722	Magnetic resonance (e.g., proton) imaging, any joint of lower extremity; with contrast material(s)	73721	Magnetic resonance (e.g., proton) imaging, any joint of lower extremity; without contrast material(s)
73723	Magnetic Resonance (eg, proton) imaging, lower extremity joint; without and with contrast material(s)	73718	Magnetic Resonance (eg, proton) , imaging, lower extremity other than joint; without contrast material(s)
73723	Magnetic Resonance (eg, proton) imaging, lower extremity joint; without and with contrast material(s)	73719	Magnetic Resonance (eg, proton) imaging lower extremity other than joint; with contrast material(s)
73723	Magnetic Resonance (eg, proton) imaging, lower extremity joint; without and with contrast material(s)	73720	Magnetic Resonance (eg, proton) imaging, lower extremity other than joint; without and with contrast material(s)



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73723	Magnetic resonance (e.g., proton) imaging, any joint of lower extremity; without contrast material(s), followed by contrast material(s) and further sequences	73721	Magnetic resonance (e.g., proton) imaging, any joint of lower extremity; without contrast material(s)
73723	Magnetic resonance (e.g., proton) imaging, any joint of lower extremity; without contrast material(s), followed by contrast material(s) and further sequences	73722	Magnetic resonance (e.g., proton) imaging, any joint of lower extremity; with contrast material(s)
73725	Magnetic resonance angiography, lower extremity, with or without contrast material(s)	73706	Computed tomographic angiography, lower extremity, without contrast material(s), followed by contrast material(s) and further sections, including image post-processing
73725	Magnetic resonance angiography, lower extremity, with or without contrast material(s)	C8912	Magnetic resonance angiography with contrast, lower extremity
73725	Magnetic resonance angiography, lower extremity, with or without contrast material(s)	C8913	Magnetic resonance angiography without contrast, lower extremity
73725	Magnetic resonance angiography, lower extremity, with or without contrast material(s)	C8914	Magnetic resonance angiography without contrast followed by with contrast, lower extremity
74150	Computerized axial tomography, abdomen; without contrast material	76380	Computerized tomography, limited or localized follow-up study
74160	Computerized axial tomography, abdomen; with contrast material(s)	74150	Computerized axial tomography, abdomen; without contrast material
74160	Computerized axial tomography, abdomen; with contrast material(s)	76380	Computerized tomography, limited or localized follow-up study
74170	Computerized axial tomography, abdomen; without contrast material, followed by contrast material(s) and further sections	74150	Computerized axial tomography, abdomen; without contrast material
74170	Computerized axial tomography, abdomen; without contrast material, followed by contrast material(s) and further sections	74160	Computerized axial tomography, abdomen; with contrast material(s)
74170	Computerized axial tomography, abdomen; without contrast material, followed by contrast material(s) and further sections	76380	Computerized tomography, limited or localized follow-up study
74174	Computed tomographic angiography, abdomen and pelvis, with contrast material(s), including noncontrast images, if performed, and image postprocessing	72191	Computerized tomographic angiography, pelvis, without contrast material(s), followed by contrast material(s) and further sections, including image post-processing
74174	Computed tomographic angiography, abdomen and pelvis, with contrast material(s), including noncontrast images, if performed, and image postprocessing	74175	Computed tomographic angiography, abdomen, without contrast material(s), followed by contrast material(s) and further sections, including image post-processing
74176	Computed Tomography, Abdomen And Pelvis; Without Contrast Material	72192	Computerized axial tomography, pelvis; without contrast material
74176	Computed Tomography, Abdomen And Pelvis; Without Contrast Material	74150	Computerized axial tomography, abdomen; without contrast material
74177	Computed Tomography, Abdomen And Pelvis; With Contrast Material(S)	72192	Computerized axial tomography, pelvis; without contrast material
74177	Computed Tomography, Abdomen And Pelvis; With Contrast Material(S)	72193	Computerized axial tomography, pelvis; with contrast material(s)
74177	Computed Tomography, Abdomen And Pelvis; With Contrast Material(S)	72194	Computerized axial tomography, pelvis; without contrast material, followed by contrast material(s) and further sections
74177	Computed Tomography, Abdomen And Pelvis; With Contrast Material(S)	74150	Computerized axial tomography, abdomen; without contrast material
74177	Computed Tomography, Abdomen And Pelvis; With Contrast Material(S)	74160	Computerized axial tomography, abdomen; with contrast material(s)
74177	Computed Tomography, Abdomen And Pelvis; With Contrast Material(S)	74170	Computerized axial tomography, abdomen; without contrast material, followed by contrast material(s) and further sections
74177	Computed Tomography, Abdomen And Pelvis; With Contrast Material(S)	74176	Computed Tomography, Abdomen And Pelvis; Without Contrast Material

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Code	Code Description	Code	Code Description
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	72192	Computerized axial tomography, pelvis; without contrast material
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	72193	Computerized axial tomography, 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	72194	Computerized axial tomography, pelvis; without contrast material, followed by contrast material(s) and further sections
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	74150	Computerized axial tomography, abdomen; without contrast material
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	74160	Computerized axial tomography, abdomen; 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	74170	Computerized axial tomography, abdomen; without contrast material, followed by contrast material(s) and further sections
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	74176	Computed Tomography, Abdomen And Pelvis; Without Contrast Material
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	74177	Computed Tomography, Abdomen And Pelvis; With Contrast Material(S)
74181	Magnetic resonance (eg, proton) imaging, abdomen; without contrast material(s)	S8037	Magnetic resonance cholangiopancreatography (MRCP)
74182	Magnetic resonance (eg, proton) imaging, abdomen; with contrast material(s)	74181	Magnetic resonance (eg, proton) imaging, abdomen; without contrast material(s)
74182	Magnetic resonance (eg, proton) imaging, abdomen; with contrast material(s)	S8037	Magnetic resonance cholangiopancreatography (MRCP)
74183	Magnetic resonance (eg, proton) imaging, abdomen; without contrast material(s), followed by with contrast material(s) and further sequences	74181	Magnetic resonance (eg, proton) imaging, abdomen; without contrast material(s)
74183	Magnetic resonance (eg, proton) imaging, abdomen; without contrast material(s), followed by with contrast material(s) and further sequences	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	S8037	Magnetic resonance cholangiopancreatography (MRCP)
74185	Magnetic resonance angiography, abdomen, with or without contrast material(s)	74175	Computed tomographic angiography, abdomen, without contrast material(s), followed by contrast material(s) and further sections, including image post-processing
74185	Magnetic resonance angiography, abdomen, with or without contrast material(s)	C8900	Magnetic resonance angiography with contrast, abdomen
74185	Magnetic resonance angiography, abdomen, with or without contrast material(s)	C8901	Magnetic resonance angiography without contrast, abdomen
74185	Magnetic resonance angiography, abdomen, with or without contrast material(s)	C8902	Magnetic resonance angiography without contrast followed by with contrast, abdomen
74262	Computed tomographic (CT) colongraphy, diagnostic, including image postprocessing; with contrast material(s) including image postprocessing	74261	Computed tomographic (CT) colongraphy, diagnostic, including image postprocessing; without contrast material(s) including image postprocessing



PRECERTIFICATION GIVEN WITH THIS CPT CODE		CLAIM SUBMITTED WITH THIS CPT CODE WILL BE ALLOWED	
Code	Code Description	Code	Code Description
74712	Magnetic resonance (eg, proton) imaging, fetal, including placental and maternal pelvic imaging when performed; single or first gestation	72195	Magnetic resonance (e.g., proton) imaging, pelvis; without contrast material(s)
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)
75559	Cardiac magnetic resonance imaging for morphology and function without contrast material; with stress imaging	75557	Cardiac magnetic resonance imaging for morphology and function without contrast material
75561	Cardiac magnetic resonance imaging for morphology and function without contrast material, followed by contrast material and further sequences	75557	Cardiac magnetic resonance imaging for morphology and function without contrast material
75563	Cardiac magnetic resonance imaging for morphology and function without contrast material, followed by contrast material; with stress imaging	75557	Cardiac magnetic resonance imaging for morphology and function without contrast material
75563	Cardiac magnetic resonance imaging for morphology and function without contrast material, followed by contrast material; with stress imaging	75559	Cardiac magnetic resonance imaging for morphology and function without contrast material; with stress imaging
75563	Cardiac magnetic resonance imaging for morphology and function without contrast material, followed by contrast material; with stress imaging	75561	Cardiac magnetic resonance imaging for morphology and function without contrast material, followed by contrast material and further sequences
75573	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)	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)
76376	3D rendering with interpretation and reporting, not requiring image postprocessing on an independent workstation	76377	3D rendering with interpretation and reporting, requiring image postprocessing on an independent workstation
76377	3D rendering with interpretation and reporting, requiring image postprocessing on an independent workstation	76376	3D rendering with interpretation and reporting, not requiring image postprocessing on an independent workstation
76815	Ultrasound, pregnant uterus, real time with image documentation, limited (eg, fetal heart beat, placental location, fetal position and/or qualitative amniotic fluid volume), 1 or more fetuses	76818	Fetal biophysical profile; with non-stress testing
76815	Ultrasound, pregnant uterus, real time with image documentation, limited (eg, fetal heart beat, placental location, fetal position and/or qualitative amniotic fluid volume), 1 or more fetuses	76819	Fetal biophysical profile; without non-stress testing
76816	Ultrasound, pregnant uterus, real time with image documentation, follow-up (eg, re-evaluation of fetal size by measuring standard growth parameters and amniotic fluid volume, re-evaluation of organ system(s) suspected or confirmed to be abnormal on a previous scan), transabdominal approach, per fetus	76815	Ultrasound, pregnant uterus, real time with image documentation, limited (eg, fetal heart beat, placental location, fetal position and/or qualitative amniotic fluid volume), 1 or more fetuses
76818	Fetal biophysical profile; with non-stress testing	76815	Ultrasound, pregnant uterus, real time with image documentation, limited (eg, fetal heart beat, placental location, fetal position and/or qualitative amniotic fluid volume), 1 or more fetuses
76818	Fetal biophysical profile; with non-stress testing	76819	Fetal biophysical profile; without non-stress testing
76819	Fetal biophysical profile; without non-stress testing	76815	Ultrasound, pregnant uterus, real time with image documentation, limited (eg, fetal heart beat, placental location, fetal position and/or qualitative amniotic fluid volume), 1 or more fetuses
76819	Fetal biophysical profile; without non-stress testing	76818	Fetal biophysical profile; with non-stress testing
77047	Magnetic resonance imaging, breast, without contrast material; bilateral	77046	Magnetic resonance imaging, breast, without contrast material; unilateral

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Code	Code Description	Code	Code Description
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	77046	Magnetic resonance imaging, breast, without contrast material; unilateral
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	C8903	Magnetic resonance imaging with contrast, breast; unilateral
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	C8905	Magnetic resonance imaging without contrast followed by with contrast, breast; 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	77046	Magnetic resonance imaging, breast, without contrast material; 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	77047	Magnetic resonance imaging, breast, without contrast material; bilateral
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	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	C8903	Magnetic resonance imaging with contrast, breast; 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	C8905	Magnetic resonance imaging without contrast followed by with contrast, breast; 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	C8906	Magnetic resonance imaging with contrast, breast; bilateral
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	C8908	Magnetic resonance imaging without contrast followed by with contrast, breast; bilateral
78014	Thyroid imaging (including vascular flow, when performed); with single or multiple uptake(s) quantitative measurement(s) (including stimulation, suppression, or discharge, when performed)	78012	Thyroid uptake, single or multiple quantitative measurement(s) (including stimulation, suppression, or discharge, 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)	78013	Thyroid imaging (including vascular flow, when performed);
78016	Thyroid carcinoma metastases imaging; with additional studies (e.g., urinary recovery)	78015	Thyroid carcinoma metastases imaging; limited area (e.g., neck and chest only)
78018	Thyroid carcinoma metastases imaging; whole body	78015	Thyroid carcinoma metastases imaging; limited area (e.g., neck and chest only)
78018	Thyroid carcinoma metastases imaging; whole body	78016	Thyroid carcinoma metastases imaging; with additional studies (e.g., urinary recovery)
78071	Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT)	78070	Parathyroid planar imaging (including subtraction, when performed)
78072	Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT), and concurrently acquired computed tomography (CT) for anatomical localization	78070	Parathyroid planar imaging (including subtraction, when performed)

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Code	Code Description	Code	Code Description
78072	Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT), and concurrently acquired computed tomography (CT) for anatomical localization	78071	Parathyroid planar imaging (including subtraction, when performed); with tomographic (SPECT)
78103	Bone marrow imaging; multiple areas	78102	Bone marrow imaging; limited area
78104	Bone marrow imaging; whole body	78102	Bone marrow imaging; limited area
78104	Bone marrow imaging; whole body	78103	Bone marrow imaging; multiple areas
78202	Liver imaging; with vascular flow	78201	Liver imaging; static only
78216	Liver and spleen imaging; with vascular flow	78215	Liver and spleen imaging; static only
78227	Hepatobiliary system imaging, including gallbladder when present;	78226	Hepatobiliary system imaging, including gallbladder when present;
78265	Gastric emptying imaging study (eg, solid, liquid, or both); with small bowel transit	78264	Gastric emptying imaging study (eg, solid, liquid, or both)
78266	Gastric emptying imaging study (eg, solid, liquid, or both); with small bowel and colon transit, multiple days	78264	Gastric emptying imaging study (eg, solid, liquid, or both)
78266	Gastric emptying imaging study (eg, solid, liquid, or both); with small bowel and colon transit, multiple days	78265	Gastric emptying imaging study (eg, solid, liquid, or both); with small bowel transit
78305	Bone and/or joint imaging; multiple areas	78300	Bone and/or joint imaging; limited area
78306	Bone and/or joint imaging; whole body	78300	Bone and/or joint imaging; limited area
78306	Bone and/or joint imaging; whole body	78305	Bone and/or joint imaging; multiple areas
78315	Bone and/or joint imaging; three phase study	78300	Bone and/or joint imaging; limited area
78315	Bone and/or joint imaging; three phase study	78305	Bone and/or joint imaging; multiple areas
78315	Bone and/or joint imaging; three phase study	78306	Bone and/or joint imaging; whole body
78429	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	78459	Myocardial imaging, positron emission tomography (PET), metabolic evaluation
78430	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	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)
78431	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	78430	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
78431	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	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)
78431	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	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 stress (exercise or pharmacologic)

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Code	Code Description	Code	Code Description
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);	78459	Myocardial imaging, positron emission tomography (PET), metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), single study;
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);	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)
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	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	78459	Myocardial imaging, positron emission tomography (PET), metabolic evaluation study (including ventricular wall motion[s] and/or ejection fraction[s], when performed), single study;
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	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)
78451	Myocardial perfusion imaging, tomographic (SPECT)	78453	Myocardial perfusion imaging, planar (including qualitative or quantitative wall motion,
78452	Myocardial perfusion imaging, tomographic (SPECT) (including attenuation correction	78451	Myocardial perfusion imaging, tomographic (SPECT)
78452	Myocardial perfusion imaging, tomographic (SPECT) (including attenuation correction	78453	Myocardial perfusion imaging, planar (including qualitative or quantitative wall motion,
78452	Myocardial perfusion imaging, tomographic (SPECT) (including attenuation correction	78454	Myocardial perfusion imaging, planar (including qualitative or quantitative wall motion
78454	Myocardial perfusion imaging, planar (including qualitative or quantitative wall motion	78451	Myocardial perfusion imaging, tomographic (SPECT)
78458	Venous thrombosis imaging, venogram; bilateral	78457	Venous thrombosis imaging, venogram; unilateral
78468	Myocardial imaging, infarct avid, planar; with ejection fraction by first pass technique	78466	Myocardial imaging, infarct avid, planar; qualitative or quantitative
78469	Myocardial imaging, infarct avid, planar; tomographic SPECT with or without quantification	78466	Myocardial imaging, infarct avid, planar; qualitative or quantitative
78473	Cardiac blood pool imaging, gated equilibrium; multiple studies	78472	Cardiac blood pool imaging, gated equilibrium; planar, single study at rest or stress
78483	Cardiac blood pooling imaging, (planar), first pass technique	78481	Cardiac blood pooling imaging, (planar), first pass technique;
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 stress (exercise or pharmacologic)	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)
78582	Pulmonary ventilation (eg, aerosol or gas) and perfusion imaging	78579	Pulmonary ventilation imaging (eg, aerosol or gas)
78582	Pulmonary ventilation (eg, aerosol or gas) and perfusion imaging	78580	Pulmonary perfusion imaging (eg, particulate);
78601	Brain imaging, limited procedure; with vascular flow	78600	Brain imaging, limited procedure; static
78605	Brain imaging, complete study; static	78600	Brain imaging, limited procedure; static
78606	Brain imaging, complete study; with vascular flow	78600	Brain imaging, limited procedure; static

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Code	Code Description	Code	Code Description
78606	Brain imaging, complete study; with vascular flow	78601	Brain imaging, limited procedure; with vascular flow
78606	Brain imaging, complete study; with vascular flow	78605	Brain imaging, complete study; static
78708	Kidney imaging morphology with vascular flow and function; single study, with pharmacological intervention (e.g., angiotensin converting enzyme inhibitor and/or diuretic)	78707	Kidney imaging morphology with vascular flow and function; single study without pharmacological intervention
78709	Kidney imaging morphology with vascular flow and function; multiple studies, with and without pharmacological intervention (e.g., angiotensin converting enzyme inhibitor and/or diuretic)	78707	Kidney imaging morphology with vascular flow and function; single study without pharmacological intervention
78709	Kidney imaging morphology with vascular flow and function; multiple studies, with and without pharmacological intervention (e.g., angiotensin converting enzyme inhibitor and/or diuretic)	78708	Kidney imaging morphology with vascular flow and function; single study, with pharmacological intervention (e.g., angiotensin converting enzyme inhibitor and/or diuretic)
78801	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, 2 or more areas (eg, abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days	78800	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single area (eg, head, neck, chest, pelvis), single day imaging
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	78800	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single area (eg, head, neck, chest, pelvis), 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); tomographic (SPECT), single area (eg, head, neck, chest, pelvis) or acquisition, single day imaging	78070	Parathyroid planar imaging (including subtraction, when performed);
78803	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT), single area (eg, head, neck, chest, pelvis) or acquisition, single day imaging	78800	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single area (eg, head, neck, chest, pelvis), 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); tomographic (SPECT), single area (eg, head, neck, chest, pelvis) or acquisition, single day imaging	78801	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, 2 or more areas (eg, abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days
78803	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT), single area (eg, head, neck, chest, pelvis) or acquisition, single day imaging	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
78804	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, whole body, requiring 2 or more days imaging	78800	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, single area (eg, head, neck, chest, pelvis), 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, requiring 2 or more days imaging	78801	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, 2 or more areas (eg, abdomen and pelvis, head and chest), 1 or more days imaging or single area imaging over 2 or more days

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Code	Code Description	Code	Code Description
78804	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); planar, whole body, requiring 2 or more days imaging	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
78812	Tumor imaging, positron emission tomography (PET); skull base to mid-thigh	78811	Tumor imaging, positron emission tomography (PET); limited area (eg, chest, head/neck)
78812	Tumor imaging, positron emission tomography (PET); skull base to mid-thigh	78814	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) limited area (eg chest, head/neck)
78813	Tumor imaging, positron emission tomography (PET); whole body	78811	Tumor imaging, positron emission tomography (PET); limited area (eg, chest, head/neck)
78813	Tumor imaging, positron emission tomography (PET); whole body	78812	Positron emission tomography (PET) imaging; skull base to mid-thigh
78813	Tumor imaging, positron emission tomography (PET); whole body	78814	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) limited area (eg chest, head/neck)
78813	Tumor imaging, positron emission tomography (PET); whole body	78815	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) for attenuation correction and anatomical localization; skull base to mid-thigh
78814	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) limited area (eg chest, head/neck)	78811	Tumor imaging, positron emission tomography (PET); limited area (eg, chest, head/neck)
78815	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) for attenuation correction and anatomical localization; skull base to mid-thigh	78811	Tumor imaging, positron emission tomography (PET); limited area (eg, chest, head/neck)
78815	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) for attenuation correction and anatomical localization; skull base to mid-thigh	78812	Tumor imaging, positron emission tomography (PET); skull base to mid-thigh
78815	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) for attenuation correction and anatomical localization; skull base to mid-thigh	78814	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) limited area (eg chest, head/neck)
78816	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) for attenuation correction and anatomical localization; whole body	78811	Tumor imaging, positron emission tomography (PET); limited area (eg, chest, head/neck)
78816	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) for attenuation correction and anatomical localization; whole body	78812	Tumor imaging, positron emission tomography (PET); skull base to mid-thigh
78816	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) for attenuation correction and anatomical localization; whole body	78813	Tumor imaging, positron emission tomography (PET); whole body
78816	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) for attenuation correction and anatomical localization; whole body	78814	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) limited area (eg chest, head/neck)
78816	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) for attenuation correction and anatomical localization; whole body	78815	Tumor imaging, positron emission tomography (PET) with concurrently acquired computer tomography (CT) for attenuation correction and anatomical localization; skull base to mid-thigh



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Code	Code Description	Code	Code Description
78831	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT), minimum 2 areas (eg, pelvis and knees, chest and abdomen) or separate acquisitions (eg, lung ventilation and perfusion), single day imaging, or single area or acquisition over 2 or more days	78830	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT) with concurrently acquired computed tomography (CT) transmission scan for anatomical review, localization and determination/detection of pathology, single area (eg, head, neck, chest, pelvis) or acquisition, single day imaging
78832	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT) with concurrently acquired computed tomography (CT) transmission scan for anatomical review, localization and determination/detection of pathology, minimum 2 areas (eg, pelvis and knees, chest and abdomen) or separate acquisitions (eg, lung ventilation and perfusion), single day imaging, or single area or acquisition over 2 or more days	78830	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT) with concurrently acquired computed tomography (CT) transmission scan for anatomical review, localization and determination/detection of pathology, single area (eg, head, neck, chest, pelvis) or acquisition, single day imaging
78832	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT) with concurrently acquired computed tomography (CT) transmission scan for anatomical review, localization and determination/detection of pathology, minimum 2 areas (eg, pelvis and knees, chest and abdomen) or separate acquisitions (eg, lung ventilation and perfusion), single day imaging, or single area or acquisition over 2 or more days	78831	Radiopharmaceutical localization of tumor, inflammatory process or distribution of radiopharmaceutical agent(s) (includes vascular flow and blood pool imaging, when performed); tomographic (SPECT), minimum 2 areas (eg, pelvis and knees, chest and abdomen) or separate acquisitions (eg, lung ventilation and perfusion), single day imaging, or single area or acquisition over 2 or more days
93303	Transthoracic echocardiography for congenital cardiac anomalies; complete	93304	Transthoracic echocardiography for congenital cardiac anomalies; follow-up or limited study
93303	Transthoracic echocardiography for congenital cardiac anomalies; complete	93306	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording, when performed, complete, without spectral or color Doppler echocardiography
93303	Transthoracic echocardiography for congenital cardiac anomalies; complete	93307	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording, when performed, complete, without spectral or color Doppler echocardiography
93303	Transthoracic echocardiography for congenital cardiac anomalies; complete	93308	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording, when performed, complete, without spectral or color Doppler echocardiography
93303	Transthoracic echocardiography for congenital cardiac anomalies; complete	C8921	Transthoracic echocardiography w/contrast for congenital cardiac anomalies; complete
93304	Transthoracic echocardiography for congenital cardiac anomalies; follow-up or limited study	93307	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording, when performed, complete, without spectral or color Doppler echocardiography*
93304	Transthoracic echocardiography for congenital cardiac anomalies; follow-up or limited study	93308	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording, when performed, complete, without spectral or color Doppler echocardiography*
93304	Transthoracic echocardiography for congenital cardiac anomalies; follow-up or limited study	C8922	Transthoracic echocardiography w/contrast for congenital cardiac anomalies; f/u or limited study
93306	Echocardiography, transthoracic, real-time w/image documentation, includes M-mode recording, when performed, complete,	93304	Transthoracic echocardiography for congenital cardiac anomalies; follow-up or limited study

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Code	Code Description	Code	Code Description
93306	Echocardiography, transthoracic, real-time w/image documentation, includes M-mode recording, when performed, complete,	93307	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording
93306	Echocardiography, transthoracic, real-time w/image documentation, includes M-mode recording, when performed, complete,	93308	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording, when performed, complete, without spectral or color Doppler echocardiography
93306	Echocardiography, transthoracic, real-time w/image documentation, includes M-mode recording, when performed, complete,	C8929	Transthoracic Echocardiography, with contrast, or without contrast followed by contrast, real-time w/image documentation, includes M-mode recording, when performed, complete, with spectral Doppler echocardiography, and w/color flow Doppler echocardiography
93307	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording	93308	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording, when performed, follow-up or limited study
93307	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording	C8923	Transthoracic echocardiography with contrast, or without contrast followed by with contrast, real-time with image documentation (2d), includes m-mode recording, when performed, complete, without spectral or color doppler echocardiography
93307	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording	C8929	Transthoracic echocardiography (TTE) 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
93308	Echocardiography, transthoracic, real-time with image documentation (2D) includes M-mode recording, when performed, follow-up or limited study	C8924	Transthoracic echocardiography with contrast, or without contrast followed by with contrast, real-time with image documentation (2d), includes m-mode recording, when performed, follow-up or limited study
93350	Echocardiography, <u>transthoracic</u> , 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;	C8928	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
93351	Echocardiography, <u>transthoracic</u> , 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 supervision by a physician or other qualified health care professional	93350	Echocardiography, <u>transthoracic</u> , 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;
93351	Echocardiography, <u>transthoracic</u> , 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 supervision by a physician or other qualified health care professional	C8928	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

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Code	Code Description	Code	Code Description
93351	Echocardiography, <u>transthoracic</u> , 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 supervision by a physician or other qualified health care professional	C8930	Transthoracic echocardiography with contrast, or without contrast followed by with contrast
93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	93451	Right heart catheterization including measurement(s) of oxygen saturation and cardiac output, when performed
93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	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;
93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	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
93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	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
93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	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
93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, 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
93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;	93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed
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	93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed

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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	93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;
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	93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed
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	93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;
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	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
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	93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed
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	93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed
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	93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;
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	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
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	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

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Code	Code Description	Code	Code Description
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
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	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
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	93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed
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	93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;
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	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
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	93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, 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	93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;
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	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

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Code	Code Description	Code	Code Description
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	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
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	93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed
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	93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed
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	93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;
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	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
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	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
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	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
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	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
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	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



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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	93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, 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	93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, 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	93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;
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	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
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	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
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	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
93461	Catheter placement in coronary artery(s) for coronary	93458	Catheter placement in coronary artery(s) for coronary
93461	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary	93459	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary
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	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

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Code	Code Description	Code	Code Description
93985	Duplex scan of arterial inflow and venous outflow for preoperative vessel assessment prior to creation of hemodialysis access; complete bilateral study	93986	Duplex scan of arterial inflow and venous outflow for preoperative vessel assessment prior to creation of hemodialysis access; complete unilateral study
93985	Duplex scan of arterial inflow and venous outflow for preoperative vessel assessment prior to creation of hemodialysis access; complete bilateral study	93990	Duplex scan of hemodialysis access (including arterial inflow, body of access and venous outflow)
93986	Duplex scan of arterial inflow and venous outflow for preoperative vessel assessment prior to creation of hemodialysis access; complete unilateral study	93990	Duplex scan of hemodialysis access (including arterial inflow, body of access and venous outflow)
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 discordant data, 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
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 discordant data, interpretation and report	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
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	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 discordant data, 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	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
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	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 discordant data, interpretation and report

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Code	Code Description	Code	Code Description
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	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
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	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 discordant data, interpretation and report
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	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

2023 updates only include code description updates on the following codes: 78803, 78830, 78831 and 78832.

\*\*For codes 74712 and 74713, the authorization will be under 74712 only. If additional gestations are authorized, additional units will be under 74712. Therefore, if code 74713 is billed, it should be allowed (crosswalked) for any units available under 74712.