LCD ID
L34865

Original ICD-9 LCD ID
L31399

LCD Title
Magnetic Resonance Angiography (MRA)

AMA CPT / ADA CDT / AHA NUBC

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Jurisdiction
Delaware
District of Columbia
Maryland
New Jersey
Pennsylvania

Original Effective Date
For services performed on or after 10/01/2015

Revision Effective Date
For services performed on or after 10/01/2015

Revision Ending Date
N/A

Retirement Date
N/A

Notice Period Start Date
N/A
Notice Period End Date
N/A

**CMS National Coverage Policy**

Title XVIII of the Social Security Act, Section 1862(a)(1)(A) states that no Medicare payment shall be made for items or services which are not reasonable and necessary for the diagnosis or treatment of illness or injury.

Title XVIII of the Social Security Act, Section 1862(a)(7). This section excludes routine physical examinations.

Title XVIII of the Social Security Act, Section 1833(e) states that no payment shall be made to any provider for any claim that lacks the necessary information to process the claim.

42 CFR Section 410.32 states that diagnostic tests may only be ordered by treating physician (or other treating practitioner acting within the scope of his or her license and Medicare requirements).

CMS Pub. 100-2, Medicare Benefit Policy Manual, Chapter 6, Section 220.3 Outpatient Diagnostic Services.

CMS Pub. 100-2, Medicare Benefit Policy Manual, Chapter 15, Section 80 Requirements for Diagnostic X-Ray, Diagnostic Laboratory, and Other Diagnostic Tests.

CMS Pub. 100-2, Medicare Benefit Policy Manual, Chapter 16, Section 20 Services Not Reasonable and Necessary.

CMS Pub. 100-4, Medicare Claims Processing Manual, Chapter 4 Part B Hospital.


Pub. 100-03, Chapter 1, Section 220.3.

Medicare Claims Processing Manual, Pub 100.04, Chapter 13, Section 40.1.


Coverage Guidance

Coverage Indications, Limitations, and/or Medical Necessity

Notice: It is not appropriate to bill Medicare for services that are not covered (as described by this entire LCD) as if they are covered. When billing for non-covered services, use the appropriate modifier.

Compliance with the provisions in this policy may be monitored and addressed through post payment data analysis and subsequent medical review audits.

Magnetic resonance angiography (MRA) is a non-invasive diagnostic test that is an application of magnetic resonance imaging (MRI). By analyzing the amount of energy released from tissues exposed to a strong magnetic field, MRA provides images of normal and diseased blood vessels as well as visualization and quantification of blood flow through these vessels.

This LCD is a restatement of the National Coverage Determination for MRI and MRA documented in CMS Publication 100-03, Medicare National Coverage Determinations Manual, Part 4, Section 220.2.A.2 Magnetic Resonance Imaging (MRI).

Currently covered indications include using MRA for specific conditions to evaluate flow in internal carotid vessels of the head and neck, peripheral arteries of lower extremities, abdomen and pelvis, and the chest. Coverage is limited to MRA units that have received FDA premarket approval, and such units must be operated within the parameters specified by the approval. In addition, the services must be reasonable and necessary for the diagnosis or treatment of the specific patient involved. (CMS Publication 100-03, Medicare National Coverage Determinations Manual, Chapter 1, Part 4, Section 220.2.B.2).

COVERED INDICATIONS

I. HEAD AND NECK

Studies have proven that MRA is effective for evaluating flow in internal carotid vessels of the head and neck. However, not all potential applications of MRA have been shown to be reasonable and necessary. All of the following criteria must apply in order for Medicare to provide coverage for MRA of the head and neck:

- MRA is used to evaluate the carotid arteries, the circle of Willis, the anterior, middle or posterior cerebral arteries, the vertebral or basilar arteries or the venous sinuses;
- MRA is performed on patients with conditions of the head and neck for which surgery is anticipated and may be found to be appropriate based on the MRA. These conditions include, but are not limited to, tumor, aneurysms, vascular malformations, vascular occlusion or thrombosis. Within this broad category of disorders, medical necessity is the underlying determinant of the need for an MRA in specific diseases. The medical records should clearly justify and demonstrate the existence of medical necessity; and,
- MRA and contrast angiography (CA) are not expected to be performed on the same patient for
diagnostic purposes prior to the application of anticipated therapy. Only one of these tests will be covered routinely unless the physician can demonstrate the medical need to perform both tests. (CMS Publication 100-03, Medicare National Coverage Determinations Manual, Chapter 1, Part 4, Section 220.2.B.2a).

MRA is appropriately used to verify the presence of a condition, suspected because of findings from another test (usually an imaging study). For example, a patient who presents with a transient ischemic attack (TIA) should not undergo MRA simply because he might have a lesion which is amenable to surgery. However, if that patient has a carotid bruit and is found by Doppler study to have carotid stenosis, an MRA may be appropriate to evaluate the stenotic section of artery for surgical intervention. Please note that the anticipated surgery may be a percutaneous procedure such as carotid angioplasty with stent insertion.

Another patient may present with a headache; it is not appropriate to proceed directly to MRA to rule out the possibility of an intracranial aneurysm. However, if that patient was found to have a clinically significant amount of blood in the cerebrospinal fluid, or the patient demonstrated signs and symptoms strongly suggesting an unruptured intracranial aneurysm, an MRA (or cerebral angiogram) may be appropriate.

An MRA is not considered medically necessary for screening asymptomatic patients for intracranial aneurysms.

II. PERIPHERAL ARTERIES OF LOWER EXTREMITIES

Studies have proven that MRA of peripheral arteries is useful in determining the presence and extent of peripheral vascular disease in lower extremities. This procedure is non-invasive and has been shown to find occult vessels in some patients for which those vessels were not apparent when CA was performed. Medicare will cover either MRA or CA to evaluate peripheral arteries of the lower extremities. However, both MRA and CA may be useful in some cases, such as:

- A patient has had CA and this test was unable to identify a viable run-off vessel for bypass. When exploratory surgery is not believed to be a reasonable medical course of action for this patient, MRA may be performed to identify the viable runoff vessel; or
- A patient has had MRA, but the results are inconclusive. (CMS Publication 100-03, Medicare National Coverage Determinations Manual, Chapter 1, Part 4, Section 220.2.B.2.b).

III. ABDOMEN AND PELVIS

Pre-operative Evaluation of Patients Undergoing Elective Abdominal Aortic Aneurysm (AAA) Repair

MRA is covered for pre-operative evaluation of patients undergoing elective AAA repair if the scientific evidence reveals MRA is considered comparable to CA in determining the extent of AAA, as well as in evaluating aortoiliac occlusion disease and renal artery pathology that may be necessary in the surgical planning of AAA repair. These studies also reveal that MRA could provide a net benefit to the patient. If preoperative CA is avoided, then patients are not exposed to the risks associated with invasive procedures, contrast media, end-organ damage, or arterial injury.

Imaging the Renal Arteries and the Aortoiliac Arteries in the Absence of AAA or Aortic Dissection
MRA coverage is expanded to include imaging the renal arteries and the aortoiliac arteries in the absence of AAA or aortic dissection. MRA should be obtained in those circumstances in which using MRA is expected to avoid obtaining CA, when physician history, physical examination, and standard assessment tools provide insufficient information for patient management, and obtaining an MRA has a high probability of positively affecting patient management. However, CA may be ordered after obtaining the results of an MRA in those rare instances where medical necessity is demonstrated. (CMS Publication 100-03, Medicare National Coverage Determinations Manual, Chapter 1, Part 4, Section 220.2.B.2.c).

An MRA of the abdomen for evaluation of possible renal artery stenosis would not be considered medically necessary without some evidence consistent with renovascular hypertension. Such evidence might include:

- a history of early or late onset of hypertension, hypertension refractory to medication, or worsening renal function;
- the presence of a renal artery bruit;
- laboratory tests (elevated serum renins, increasing creatinine); or
- other radiologic tests (ultrasound, captopril scintigraphy, or other imaging showing small kidney or unequal kidney sizes).

IV. CHEST

Diagnosis of Pulmonary Embolism

Current scientific data has shown that diagnostic pulmonary MRAs are improving due to recent developments such as faster imaging capabilities and gadolinium-enhancement. However, these advances in MRA are not significant enough to warrant replacement of pulmonary angiography in the diagnosis of pulmonary embolism for patients who have no contraindication to receiving intravenous iodinated contrast material. Patients who are allergic to iodinated contrast material face a high risk of developing complications if they undergo pulmonary angiography or computed tomography angiography. Therefore, Medicare will cover MRA of the chest for diagnosing a suspected pulmonary embolism when it is contraindicated for the patient to receive intravascular iodinated contrast material.

Evaluation of Thoracic Aortic Dissection and Aneurysm

Studies have shown that MRA of the chest has a high level of diagnostic accuracy for pre-operative and post-operative evaluation of aortic dissection and aneurysm. Depending on the clinical presentation, MRA may be used as an alternative to other non-invasive imaging technologies, such as transesophageal echocardiography and CT. Generally, Medicare will provide coverage only for MRA or for CA when used as a diagnostic test. However, if both MRA and CA of the chest are used, the physician must demonstrate the medical need for performing these tests.

All other uses of MRA are non-covered unless coverage is specifically indicated.

NON-COVERED INDICATIONS

The following MRA services are considered NOT medically reasonable and necessary at this time:
• MRA of the spinal canal and contents
• MRA of the upper extremities

NOTE: This LCD does not address cardiac magnetic resonance imaging delineated in CPT codes 75557-75565.

Italicized and/or quoted material is excerpted from the American Medical Association, Current Procedural Terminology (CPT) codes.

Coding Information

Bill Type Codes:
Contractors may specify Bill Types to help providers identify those Bill Types typically used to report this service. Absence of a Bill Type does not guarantee that the policy does not apply to that Bill Type. Complete absence of all Bill Types indicates that coverage is not influenced by Bill Type and the policy should be assumed to apply equally to all claims.

012x Hospital Inpatient (Medicare Part B only)
013x Hospital Outpatient
083x Ambulatory Surgery Center
085x Critical Access Hospital

Revenue Codes:
Contractors may specify Revenue Codes to help providers identify those Revenue Codes typically used to report this service. In most instances Revenue Codes are purely advisory; unless specified in the policy services reported under other Revenue Codes are equally subject to this coverage determination. Complete absence of all Revenue Codes indicates that coverage is not influenced by Revenue Code and the policy should be assumed to apply equally to all Revenue Codes.

NOTE: The contractor has identified the Bill Type and Revenue Codes applicable for use with the CPT/HCPCS codes included in this LCD. Providers are reminded that not all CPT/HCPCS codes listed can be billed with all Bill Type and/or Revenue Codes listed. CPT/HCPS codes are required to be billed with specific Bill Type and/or Revenue Codes. Providers are encouraged to refer to the CMS Internet-Only Manual (IOM) Pub. 100-04 Claims Processing Manual for further guidance.

0615 Magnetic Resonance Technology (MRT) - MRA - Head and Neck
0616 Magnetic Resonance Technology (MRT) - MRA - Lower Extremities
0618 Magnetic Resonance Technology (MRT) - MRA - Other
CPT/HCPCS Codes

Group 1 Paragraph: Note: Providers are reminded to refer to the long descriptors of the CPT codes in their CPT book.

Group 1 Codes:

70544  Mr angiography head w/o dye
70545  Mr angiography head w/dye
70546  Mr angiograph head w/o&w/dye
70547  Mr angiography neck w/o dye
70548  Mr angiography neck w/dye
70549  Mr angiograph neck w/o&w/dye
71555  MRI angi chest w or w/o dye
72198  Mr angio pelvis w/o & w/dye
73725  Mr ang lwr ext w or w/o dye
74185  MRI angio abdom w or w/o dye
C8900  MRA w/cont, abd
C8901  MRA w/o cont, abd
C8902  MRA w/o fol w/cont, abd
C8909  MRA w/cont, chest
C8910  MRA w/o cont, chest
C8911  MRA w/o fol w/cont, chest
C8912  MRA w/cont, lwr ext
C8913  MRA w/o cont, lwr ext
C8914  MRA w/o fol w/cont, lwr ext
C8918  MRA w/cont, pelvis
C8919  MRA w/o cont, pelvis
C8920  MRA w/o fol w/cont, pelvis

Group 2 Paragraph: Non-Covered Services

ICD-10-CM codes do not support the medical necessity for CPT codes listed below as they are always non-covered.

Group 2 Codes:
ICD-10 Codes that Support Medical Necessity

**Group 1 Paragraph:** It is the provider's responsibility to select codes carried out to the highest level of specificity and selected from the ICD-10-CM code book appropriate to the year in which the service is rendered for the claim(s) submitted.

**MRA of the Head & Neck** (70544, 70545, 70546, 70547, 70548, and 70549) are covered for these diagnoses:

**Group 1 Codes:**

<table>
<thead>
<tr>
<th>ICD-10 Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A52.05</td>
<td>Other cerebrovascular syphilis</td>
</tr>
<tr>
<td>A52.19</td>
<td>Other symptomatic neurosyphilis</td>
</tr>
<tr>
<td>C00.0</td>
<td>Malignant neoplasm of external upper lip</td>
</tr>
<tr>
<td>C00.1</td>
<td>Malignant neoplasm of external lower lip</td>
</tr>
<tr>
<td>C00.2</td>
<td>Malignant neoplasm of external lip, unspecified</td>
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<tr>
<td>C00.3</td>
<td>Malignant neoplasm of upper lip, inner aspect</td>
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<tr>
<td>C00.4</td>
<td>Malignant neoplasm of lower lip, inner aspect</td>
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<tr>
<td>C00.5</td>
<td>Malignant neoplasm of lip, unspecified, inner aspect</td>
</tr>
<tr>
<td>C00.6</td>
<td>Malignant neoplasm of commissure of lip, unspecified</td>
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<tr>
<td>C00.8</td>
<td>Malignant neoplasm of overlapping sites of lip</td>
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<tr>
<td>C01</td>
<td>Malignant neoplasm of base of tongue</td>
</tr>
<tr>
<td>C02.0</td>
<td>Malignant neoplasm of dorsal surface of tongue</td>
</tr>
</tbody>
</table>
C02.1 Malignant neoplasm of border of tongue
C02.2 Malignant neoplasm of ventral surface of tongue
C02.3 Malignant neoplasm of anterior two-thirds of tongue, part unspecified
C02.4 Malignant neoplasm of lingual tonsil
C02.8 Malignant neoplasm of overlapping sites of tongue
C02.9 Malignant neoplasm of tongue, unspecified
C03.0 Malignant neoplasm of upper gum
C03.1 Malignant neoplasm of lower gum
C03.9 Malignant neoplasm of gum, unspecified
C04.0 Malignant neoplasm of anterior floor of mouth
C04.1 Malignant neoplasm of lateral floor of mouth
C04.8 Malignant neoplasm of overlapping sites of floor of mouth
C04.9 Malignant neoplasm of floor of mouth, unspecified
C05.0 Malignant neoplasm of hard palate
C05.1 Malignant neoplasm of soft palate
C05.2 Malignant neoplasm of uvula
C05.8 Malignant neoplasm of overlapping sites of palate
C06.0 Malignant neoplasm of cheek mucosa
C06.1 Malignant neoplasm of vestibule of mouth
C06.2 Malignant neoplasm of retromolar area
C06.89 Malignant neoplasm of overlapping sites of other parts of mouth
C06.9 Malignant neoplasm of mouth, unspecified
C07 Malignant neoplasm of parotid gland
C08.0 Malignant neoplasm of submandibular gland
C08.1 Malignant neoplasm of sublingual gland
C08.9 Malignant neoplasm of major salivary gland, unspecified
C09.0 Malignant neoplasm of tonsillar fossa
C09.1 Malignant neoplasm of tonsillar pillar (anterior) (posterior)
C09.8 Malignant neoplasm of overlapping sites of tonsil
C10.0 Malignant neoplasm of vallecula
C10.1 Malignant neoplasm of anterior surface of epiglottis
C10.2 Malignant neoplasm of lateral wall of oropharynx
C10.3 Malignant neoplasm of posterior wall of oropharynx
C10.4 Malignant neoplasm of branchial cleft
C10.8 Malignant neoplasm of overlapping sites of oropharynx
C10.9 Malignant neoplasm of oropharynx, unspecified
C11.0 Malignant neoplasm of superior wall of nasopharynx
C11.1 Malignant neoplasm of posterior wall of nasopharynx
C11.2 Malignant neoplasm of lateral wall of nasopharynx
C11.3 Malignant neoplasm of anterior wall of nasopharynx
C11.8 Malignant neoplasm of overlapping sites of nasopharynx
C11.9 Malignant neoplasm of nasopharynx, unspecified
C12 Malignant neoplasm of pyriform sinus
C13.0 Malignant neoplasm of postcricoid region
C13.1 Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect
C13.2 Malignant neoplasm of posterior wall of hypopharynx
C13.8 Malignant neoplasm of overlapping sites of hypopharynx
C13.9 Malignant neoplasm of hypopharynx, unspecified
C33  Malignant neoplasm of trachea
C69.01 Malignant neoplasm of right conjunctiva
C69.02 Malignant neoplasm of left conjunctiva
C69.11 Malignant neoplasm of right cornea
C69.12 Malignant neoplasm of left cornea
C69.21 Malignant neoplasm of right retina
C69.22 Malignant neoplasm of left retina
C69.31 Malignant neoplasm of right choroid
C69.32 Malignant neoplasm of left choroid
C69.41 Malignant neoplasm of right ciliary body
C69.42 Malignant neoplasm of left ciliary body
C69.51 Malignant neoplasm of right lacrimal gland and duct
C69.52 Malignant neoplasm of left lacrimal gland and duct
C69.61 Malignant neoplasm of right orbit
C69.62 Malignant neoplasm of left orbit
C69.81 Malignant neoplasm of overlapping sites of right eye and adnexa
C69.82 Malignant neoplasm of overlapping sites of left eye and adnexa
C70.0  Malignant neoplasm of cerebral meninges
C70.9  Malignant neoplasm of meninges, unspecified
C71.0  Malignant neoplasm of cerebrum, except lobes and ventricles
C71.1  Malignant neoplasm of frontal lobe
C71.2  Malignant neoplasm of temporal lobe
C71.3  Malignant neoplasm of parietal lobe
C71.4  Malignant neoplasm of occipital lobe
C71.5  Malignant neoplasm of cerebral ventricle
C71.6  Malignant neoplasm of cerebellum
C71.7  Malignant neoplasm of brain stem
C71.8  Malignant neoplasm of overlapping sites of brain
C71.9  Malignant neoplasm of brain, unspecified
C75.1  Malignant neoplasm of pituitary gland
C75.2  Malignant neoplasm of craniopharyngeal duct
C75.3  Malignant neoplasm of pineal gland
C75.4  Malignant neoplasm of carotid body
C75.5  Malignant neoplasm of aortic body and other paraganglia
C79.31 Secondary malignant neoplasm of brain
C79.32 Secondary malignant neoplasm of cerebral meninges
C79.49 Secondary malignant neoplasm of other parts of nervous system
D18.02 Hemangioma of intracranial structures
D18.09 Hemangioma of other sites
D32.0 Benign neoplasm of cerebral meninges
D32.9 Benign neoplasm of meninges, unspecified
D33.0 Benign neoplasm of brain, supratentorial
D33.1 Benign neoplasm of brain, infratentorial
D33.3 Benign neoplasm of cranial nerves
D35.2 Benign neoplasm of pituitary gland
D35.3 Benign neoplasm of craniopharyngeal duct
D35.4 Benign neoplasm of pineal gland
D35.5 Benign neoplasm of carotid body
D35.6  Benign neoplasm of aortic body and other paraganglia
D42.0  Neoplasm of uncertain behavior of cerebral meninges
D42.1  Neoplasm of uncertain behavior of spinal meninges
D42.9  Neoplasm of uncertain behavior of meninges, unspecified
D43.0  Neoplasm of uncertain behavior of brain, supratentorial
D43.1  Neoplasm of uncertain behavior of brain, infratentorial
D43.4  Neoplasm of uncertain behavior of spinal cord
D49.6  Neoplasm of unspecified behavior of brain
F01.50  Vascular dementia without behavioral disturbance
F01.51  Vascular dementia with behavioral disturbance
G08   Intracranial and intraspinal phlebitis and thrombophlebitis
G43.401 Hemiplegic migraine, not intractable, with status migrainosus
G43.409 Hemiplegic migraine, not intractable, without status migrainosus
G43.411 Hemiplegic migraine, intractable, with status migrainosus
G43.419 Hemiplegic migraine, intractable, without status migrainosus
G45.0  Vertebro-basilar artery syndrome
G45.3  Amaurosis fugax
G45.8  Other transient cerebral ischemic attacks and related syndromes
G45.9  Transient cerebral ischemic attack, unspecified
G50.0  Trigeminal neuralgia
G50.8  Other disorders of trigeminal nerve
H34.01 Transient retinal artery occlusion, right eye
H34.02 Transient retinal artery occlusion, left eye
H34.03 Transient retinal artery occlusion, bilateral
H34.11 Central retinal artery occlusion, right eye
H34.12 Central retinal artery occlusion, left eye
H34.13 Central retinal artery occlusion, bilateral
H34.211 Partial retinal artery occlusion, right eye
H34.212 Partial retinal artery occlusion, left eye
H34.213 Partial retinal artery occlusion, bilateral
H34.231 Retinal artery branch occlusion, right eye
H34.232 Retinal artery branch occlusion, left eye
H34.233 Retinal artery branch occlusion, bilateral
H34.9  Unspecified retinal vascular occlusion
H47.021 Hemorrhage in optic nerve sheath, right eye
H47.022 Hemorrhage in optic nerve sheath, left eye
H47.023 Hemorrhage in optic nerve sheath, bilateral
H47.11 Papilledema associated with increased intracranial pressure
H47.141 Foster-Kennedy syndrome, right eye
H47.142 Foster-Kennedy syndrome, left eye
H47.143 Foster-Kennedy syndrome, bilateral
H47.41 Disorders of optic chiasm in (due to) inflammatory disorders
H47.42 Disorders of optic chiasm in (due to) neoplasm
H47.43 Disorders of optic chiasm in (due to) vascular disorders
H47.49 Disorders of optic chiasm in (due to) other disorders
H47.521 Disorders of visual pathways in (due to) neoplasm, right side
H47.522 Disorders of visual pathways in (due to) neoplasm, left side
H47.531 Disorders of visual pathways in (due to) vascular disorders, right side
H47.532 Disorders of visual pathways in (due to) vascular disorders, left side
H47.631 Disorders of visual cortex in (due to) neoplasm, right side of brain
H47.632 Disorders of visual cortex in (due to) neoplasm, left side of brain
H47.641 Disorders of visual cortex in (due to) vascular disorders, right side of brain
H47.642 Disorders of visual cortex in (due to) vascular disorders, left side of brain
H49.01 Third [oculomotor] nerve palsy, right eye
H49.02 Third [oculomotor] nerve palsy, left eye
H49.03 Third [oculomotor] nerve palsy, bilateral
H49.11 Fourth [trochlear] nerve palsy, right eye
H49.12 Fourth [trochlear] nerve palsy, left eye
H49.13 Fourth [trochlear] nerve palsy, bilateral
H49.21 Sixth [abducent] nerve palsy, right eye
H49.22 Sixth [abducent] nerve palsy, left eye
H49.23 Sixth [abducent] nerve palsy, bilateral
H53.121 Transient visual loss, right eye
H53.122 Transient visual loss, left eye
H53.123 Transient visual loss, bilateral
H53.131 Sudden visual loss, right eye
H53.132 Sudden visual loss, left eye
H53.133 Sudden visual loss, bilateral
H53.40 Unspecified visual field defects
H53.461 Homonymous bilateral field defects, right side
H53.462 Homonymous bilateral field defects, left side
H53.47 Heteronymous bilateral field defects
H81.41 Vertigo of central origin, right ear
H81.42 Vertigo of central origin, left ear
H81.43 Vertigo of central origin, bilateral
H93.11 Tinnitus, right ear
H93.12 Tinnitus, left ear
H93.13 Tinnitus, bilateral
I26.02 Saddle embolus of pulmonary artery with acute cor pulmonale
I26.92 Saddle embolus of pulmonary artery without acute cor pulmonale
I60.01 Nontraumatic subarachnoid hemorrhage from right carotid siphon and bifurcation
I60.02 Nontraumatic subarachnoid hemorrhage from left carotid siphon and bifurcation
I60.11 Nontraumatic subarachnoid hemorrhage from right middle cerebral artery
I60.12 Nontraumatic subarachnoid hemorrhage from left middle cerebral artery
I60.21 Nontraumatic subarachnoid hemorrhage from right anterior communicating artery
I60.22 Nontraumatic subarachnoid hemorrhage from left anterior communicating artery
I60.31 Nontraumatic subarachnoid hemorrhage from right posterior communicating artery
I60.32 Nontraumatic subarachnoid hemorrhage from left posterior communicating artery
I60.4 Nontraumatic subarachnoid hemorrhage from basilar artery
I60.51 Nontraumatic subarachnoid hemorrhage from right vertebral artery
I60.52 Nontraumatic subarachnoid hemorrhage from left vertebral artery
I60.6 Nontraumatic subarachnoid hemorrhage from other intracranial arteries
I60.8 Other nontraumatic subarachnoid hemorrhage
I61.0 Nontraumatic intracerebral hemorrhage in hemisphere, subcortical
I61.1 Nontraumatic intracerebral hemorrhage in hemisphere, cortical
I61.3 Nontraumatic intracerebral hemorrhage in brain stem
I61.4 Nontraumatic intracerebral hemorrhage in cerebellum
I61.5 Nontraumatic intracerebral hemorrhage, intraventricular
I61.6 Nontraumatic intracerebral hemorrhage, multiple localized
I61.8 Other nontraumatic intracerebral hemorrhage
I62.01 Nontraumatic acute subdural hemorrhage
I62.02 Nontraumatic subacute subdural hemorrhage
I62.03 Nontraumatic chronic subdural hemorrhage
I62.1 Nontraumatic extradural hemorrhage
I62.9 Nontraumatic intracranial hemorrhage, unspecified
I63.00 Cerebral infarction due to thrombosis of unspecified precerebral artery
I63.011 Cerebral infarction due to thrombosis of right vertebral artery
I63.012 Cerebral infarction due to thrombosis of left vertebral artery
I63.02 Cerebral infarction due to thrombosis of basilar artery
I63.031 Cerebral infarction due to thrombosis of right carotid artery
I63.032 Cerebral infarction due to thrombosis of left carotid artery
I63.09 Cerebral infarction due to thrombosis of other precerebral artery
I63.10 Cerebral infarction due to embolism of unspecified precerebral artery
I63.111 Cerebral infarction due to embolism of right vertebral artery
I63.112 Cerebral infarction due to embolism of left vertebral artery
I63.12 Cerebral infarction due to embolism of basilar artery
I63.131 Cerebral infarction due to embolism of right carotid artery
I63.132 Cerebral infarction due to embolism of left carotid artery
I63.19 Cerebral infarction due to embolism of other precerebral artery
I63.211 Cerebral infarction due to unspecified occlusion or stenosis of right vertebral arteries
I63.212 Cerebral infarction due to unspecified occlusion or stenosis of left vertebral arteries
I63.22 Cerebral infarction due to unspecified occlusion or stenosis of basilar arteries
I63.231 Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries
I63.232 Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries
I63.29 Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries
I63.311 Cerebral infarction due to thrombosis of right middle cerebral artery
I63.312 Cerebral infarction due to thrombosis of left middle cerebral artery
I63.321 Cerebral infarction due to thrombosis of right anterior cerebral artery
I63.322 Cerebral infarction due to thrombosis of left anterior cerebral artery
I63.331 Cerebral infarction due to thrombosis of right posterior cerebral artery
I63.332 Cerebral infarction due to thrombosis of left posterior cerebral artery
I63.341 Cerebral infarction due to thrombosis of right cerebellar artery
I63.342 Cerebral infarction due to thrombosis of left cerebellar artery
I63.39 Cerebral infarction due to thrombosis of other cerebral artery
I63.411 Cerebral infarction due to embolism of right middle cerebral artery
I63.412 Cerebral infarction due to embolism of left middle cerebral artery
I63.421 Cerebral infarction due to embolism of right anterior cerebral artery
I63.422 Cerebral infarction due to embolism of left anterior cerebral artery
I63.431 Cerebral infarction due to embolism of right posterior cerebral artery
I63.432 Cerebral infarction due to embolism of left posterior cerebral artery
I63.441 Cerebral infarction due to embolism of right cerebellar artery
I63.442 Cerebral infarction due to embolism of left cerebellar artery
I63.49 Cerebral infarction due to embolism of other cerebral artery
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>I63.511</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery</td>
</tr>
<tr>
<td>I63.512</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery</td>
</tr>
<tr>
<td>I63.521</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery</td>
</tr>
<tr>
<td>I63.522</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery</td>
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<td>I63.531</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery</td>
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<td>Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery</td>
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<td>I63.541</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery</td>
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<td>Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery</td>
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<td>I63.59</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery</td>
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<td>Cerebral infarction due to cerebral venous thrombosis, nonpyogenic</td>
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<td>Other cerebral infarction</td>
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<td>I65.01</td>
<td>Occlusion and stenosis of right vertebral artery</td>
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<td>Occlusion and stenosis of left vertebral artery</td>
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<td>Occlusion and stenosis of bilateral vertebral arteries</td>
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<td>Occlusion and stenosis of basilar artery</td>
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<td>I65.21</td>
<td>Occlusion and stenosis of right carotid artery</td>
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<td>Occlusion and stenosis of bilateral carotid arteries</td>
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<td>Occlusion and stenosis of other precerebral arteries</td>
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<td>Occlusion and stenosis of unspecified precerebral artery</td>
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<td>Occlusion and stenosis of right middle cerebral artery</td>
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<td>Occlusion and stenosis of left middle cerebral artery</td>
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<td>Occlusion and stenosis of right anterior cerebral artery</td>
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<td>Occlusion and stenosis of right posterior cerebral artery</td>
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<td>Occlusion and stenosis of left posterior cerebral artery</td>
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<td>Occlusion and stenosis of bilateral posterior cerebral arteries</td>
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<td>Occlusion and stenosis of other cerebral arteries</td>
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<td>Other cerebrovascular disease</td>
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<td>I68.2</td>
<td>Cerebral arteritis in other diseases classified elsewhere</td>
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<tr>
<td>I72.0</td>
<td>Aneurysm of carotid artery</td>
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<td>I72.8</td>
<td>Aneurysm of other specified arteries</td>
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<tr>
<td>I76</td>
<td>Septic arterial embolism</td>
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<td>I77.0</td>
<td>Arteriovenous fistula, acquired</td>
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<td>I77.1</td>
<td>Stricture of artery</td>
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<td>I77.2</td>
<td>Rupture of artery</td>
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<td>Arterial fibromuscular dysplasia</td>
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<td>I77.5</td>
<td>Necrosis of artery</td>
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</table>
I77.6  Arteritis, unspecified
I77.71 Dissection of carotid artery
I77.74 Dissection of vertebral artery
I77.89 Other specified disorders of arteries and arterioles
I82.C11 Acute embolism and thrombosis of right internal jugular vein
I82.C12 Acute embolism and thrombosis of left internal jugular vein
I82.C13 Acute embolism and thrombosis of internal jugular vein, bilateral
M30.0 Polyarteritis nodosa
M31.5 Giant cell arteritis with polymyalgia rheumatica
M31.6 Other giant cell arteritis
M32.19 Other organ or system involvement in systemic lupus erythematosus
M32.8 Other forms of systemic lupus erythematosus
Q28.2 Arteriovenous malformation of cerebral vessels
Q28.3 Other malformations of cerebral vessels
Q61.3 Polycystic kidney, unspecified
Q85.00 Neurofibromatosis, unspecified
Q85.01 Neurofibromatosis, type 1
Q85.02 Neurofibromatosis, type 2
R22.0 Localized swelling, mass and lump, head
R22.1 Localized swelling, mass and lump, neck
R29.5 Transient paralysis
R29.6* Repeated falls
R29.818* Other symptoms and signs involving the nervous system
R29.898* Other symptoms and signs involving the musculoskeletal system
R42 Dizziness and giddiness
R55 Syncope and collapse
R90.0 Intracranial space-occupying lesion found on diagnostic imaging of central nervous system
R90.82 White matter disease, unspecified
R93.0 Abnormal findings on diagnostic imaging of skull and head, not elsewhere classified
S05.41XA Penetrating wound of orbit with or without foreign body, right eye, initial encounter
S05.42XA Penetrating wound of orbit with or without foreign body, left eye, initial encounter
S06.4X0A Epidural hemorrhage without loss of consciousness, initial encounter
S06.4X1A Epidural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter
S06.4X2A Epidural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter
S06.4X3A Epidural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter
S06.4X4A Epidural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter
S06.4X5A Epidural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter
S06.4X6A Epidural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter
S06.4X9A Epidural hemorrhage with loss of consciousness of unspecified duration, initial encounter
S06.5X0A Traumatic subdural hemorrhage without loss of consciousness, initial encounter
S06.5X1A  Traumatic subdural hemorrhage with loss of consciousness of 30 minutes or less, initial encounter
S06.5X2A  Traumatic subdural hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter
S06.5X3A  Traumatic subdural hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter
S06.5X4A  Traumatic subdural hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter
S06.5X5A  Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter
S06.5X6A  Traumatic subdural hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter
S06.5X9A  Traumatic subdural hemorrhage with loss of consciousness of unspecified duration, initial encounter
S06.6X0A  Traumatic subarachnoid hemorrhage without loss of consciousness, initial encounter
S06.6X1A  Traumatic subarachnoid hemorrhage with loss of consciousness of 30 minutes or less, initial encounter
S06.6X2A  Traumatic subarachnoid hemorrhage with loss of consciousness of 31 minutes to 59 minutes, initial encounter
S06.6X3A  Traumatic subarachnoid hemorrhage with loss of consciousness of 1 hour to 5 hours 59 minutes, initial encounter
S06.6X4A  Traumatic subarachnoid hemorrhage with loss of consciousness of 6 hours to 24 hours, initial encounter
S06.6X5A  Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours with return to pre-existing conscious level, initial encounter
S06.6X6A  Traumatic subarachnoid hemorrhage with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter
S06.6X9A  Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, initial encounter
S09.0XXA  Injury of blood vessels of head, not elsewhere classified, initial encounter
S09.0XXS  Injury of blood vessels of head, not elsewhere classified, sequela
S15.001S  Unspecified injury of right carotid artery, sequela
S15.002S  Unspecified injury of left carotid artery, sequela
S15.011A  Minor laceration of right carotid artery, initial encounter
S15.011S  Minor laceration of right carotid artery, sequela
S15.012A  Minor laceration of left carotid artery, initial encounter
S15.012S  Minor laceration of left carotid artery, sequela
S15.019A  Minor laceration of unspecified carotid artery, initial encounter
S15.021A  Major laceration of right carotid artery, initial encounter
S15.021S  Major laceration of right carotid artery, sequela
S15.022A  Major laceration of left carotid artery, initial encounter
S15.022S  Major laceration of left carotid artery, sequela
S15.029A  Major laceration of unspecified carotid artery, initial encounter
S15.091A  Other specified injury of right carotid artery, initial encounter
S15.092A  Other specified injury of left carotid artery, initial encounter
S15.101S  Unspecified injury of right vertebral artery, sequela
S15.102S  Unspecified injury of left vertebral artery, sequela
S15.111A  Minor laceration of right vertebral artery, initial encounter
S15.111S Minor laceration of right vertebral artery, sequela
S15.112A Minor laceration of left vertebral artery, initial encounter
S15.112S Minor laceration of left vertebral artery, sequela
S15.121A Major laceration of right vertebral artery, initial encounter
S15.121S Major laceration of right vertebral artery, sequela
S15.122A Major laceration of left vertebral artery, initial encounter
S15.122S Major laceration of left vertebral artery, sequela
S15.8XXA Injury of other specified blood vessels at neck level, initial encounter
S15.8XXS Injury of other specified blood vessels at neck level, sequela
T82.311A Breakdown (mechanical) of carotid arterial graft (bypass), initial encounter
T82.318A Breakdown (mechanical) of other vascular grafts, initial encounter
T82.321A Displacement of carotid arterial graft (bypass), initial encounter
T82.328A Displacement of other vascular grafts, initial encounter
T82.331A Leakage of carotid arterial graft (bypass), initial encounter
T82.338A Leakage of other vascular grafts, initial encounter
T82.391A Other mechanical complication of carotid arterial graft (bypass), initial encounter
T82.398A Other mechanical complication of other vascular grafts, initial encounter
T85.01XA Breakdown (mechanical) of ventricular intracranial (communicating) shunt, initial encounter
T85.02XA Displacement of ventricular intracranial (communicating) shunt, initial encounter
T85.03XA Leakage of ventricular intracranial (communicating) shunt, initial encounter
T85.09XA Other mechanical complication of ventricular intracranial (communicating) shunt, initial encounter
T85.110A Breakdown (mechanical) of implanted electronic neurostimulator (electrode) of brain, initial encounter
T85.118A Breakdown (mechanical) of other implanted electronic stimulator of nervous system, initial encounter
T85.120A Displacement of implanted electronic neurostimulator (electrode) of brain, initial encounter
T85.128A Displacement of other implanted electronic stimulator of nervous system, initial encounter

Group 1 Medical Necessity ICD-10 Codes Asterisk Explanation: **Report this code for patients presenting with signs and symptoms strongly suggesting an intracerebral aneurysm, without the MRA finding of an aneurysm.

Showing 1 to 392 of 392 entries in Group 1

Group 2 Paragraph: MRA of the Peripheral Arteries of Lower Extremities (73725, C8912, C8913, C8914) are covered for the following diagnoses:

Group 2 Codes:
<table>
<thead>
<tr>
<th>ICD-10 Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>D18.09</td>
<td>Hemangioma of other sites</td>
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<tr>
<td>E08.51</td>
<td>Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy without gangrene</td>
</tr>
<tr>
<td>E08.52</td>
<td>Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene</td>
</tr>
<tr>
<td>E08.59</td>
<td>Diabetes mellitus due to underlying condition with other circulatory complications</td>
</tr>
<tr>
<td>E10.51</td>
<td>Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene</td>
</tr>
<tr>
<td>E10.52</td>
<td>Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene</td>
</tr>
<tr>
<td>E10.59</td>
<td>Type 1 diabetes mellitus with other circulatory complications</td>
</tr>
<tr>
<td>E11.51</td>
<td>Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene</td>
</tr>
<tr>
<td>E11.52</td>
<td>Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene</td>
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<tr>
<td>E11.59</td>
<td>Type 2 diabetes mellitus with other circulatory complications</td>
</tr>
<tr>
<td>E13.51</td>
<td>Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene</td>
</tr>
<tr>
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<td>Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene</td>
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<td>I70.201</td>
<td>Unspecified atherosclerosis of native arteries of extremities, right leg</td>
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<td>I70.202</td>
<td>Unspecified atherosclerosis of native arteries of extremities, left leg</td>
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<tr>
<td>I70.203</td>
<td>Unspecified atherosclerosis of native arteries of extremities, bilateral legs</td>
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<td>I70.211</td>
<td>Atherosclerosis of native arteries of extremities with intermittent claudication, right leg</td>
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<tr>
<td>I70.212</td>
<td>Atherosclerosis of native arteries of extremities with intermittent claudication, left leg</td>
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<td>I70.231</td>
<td>Atherosclerosis of native arteries of right leg with ulceration of thigh</td>
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<td>Atherosclerosis of native arteries of right leg with ulceration of calf</td>
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<td>Atherosclerosis of native arteries of right leg with ulceration of ankle</td>
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<td>I70.261</td>
<td>Atherosclerosis of native arteries of extremities with gangrene, right leg</td>
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<td>Atherosclerosis of native arteries of extremities with gangrene, left leg</td>
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<td>Atherosclerosis of native arteries of extremities with gangrene, bilateral legs</td>
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<td>I70.311</td>
<td>Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, right leg</td>
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<td>Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, left leg</td>
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<td>Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, bilateral legs</td>
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<td>I70.322</td>
<td>Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, left leg</td>
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I70.323 Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, bilateral legs
I70.331 Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of thigh
I70.332 Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of calf
I70.333 Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of ankle
I70.334 Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of heel and midfoot
I70.341 Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of thigh
I70.342 Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of calf
I70.343 Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of ankle
I70.344 Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.361 Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, right leg
I70.362 Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, left leg
I70.363 Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, bilateral legs
I70.411 Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, right leg
I70.412 Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, left leg
I70.413 Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, bilateral legs
I70.421 Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, right leg
I70.422 Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, left leg
I70.423 Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, bilateral legs
I70.431 Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of thigh
I70.432 Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of calf
I70.433 Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of ankle
I70.434 Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of heel and midfoot
I70.441 Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of thigh
I70.442 Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of calf
I70.443 Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of ankle
I70.444 Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of heel and midfoot
Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, right leg
Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, left leg
Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, bilateral legs
Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, right leg
Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, left leg
Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, bilateral legs
Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, right leg
Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, left leg
Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, bilateral legs
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Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of calf
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Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, left leg
Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, bilateral legs
Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, right leg
Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, left leg
Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, bilateral legs
Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, right leg
<table>
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<td>Aneurysm of iliac artery</td>
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<td>Aneurysm of artery of lower extremity</td>
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<td>Raynaud's syndrome with gangrene</td>
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<td>Thromboangiitis obliterator [Buerger's disease]</td>
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<td>Embolism and thrombosis of arteries of the lower extremities</td>
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<tr>
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<td>Embolism and thrombosis of iliac artery</td>
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<tr>
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<td>Atheroembolism of left lower extremity</td>
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<td>Atheroembolism of bilateral lower extremities</td>
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<td>Septic arterial embolism</td>
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<td>I77.1</td>
<td>Stricture of artery</td>
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<td>I77.3</td>
<td>Arterial fibromuscular dysplasia</td>
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<td>Necrosis of artery</td>
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<td>Arteritis, unspecified</td>
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<td>Dissection of other artery</td>
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<tr>
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<td>Other specified disorders of arteries and arterioles</td>
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<td>Aortitis in diseases classified elsewhere</td>
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<tr>
<td>I79.8</td>
<td>Other disorders of arteries, arterioles and capillaries in diseases classified elsewhere</td>
</tr>
<tr>
<td>I96</td>
<td>Gangrene, not elsewhere classified</td>
</tr>
<tr>
<td>Q27.32</td>
<td>Arteriovenous malformation of vessel of lower limb</td>
</tr>
<tr>
<td>Q27.39</td>
<td>Arteriovenous malformation, other site</td>
</tr>
<tr>
<td>S75.011A</td>
<td>Minor laceration of femoral artery, right leg, initial encounter</td>
</tr>
<tr>
<td>S75.012A</td>
<td>Minor laceration of femoral artery, left leg, initial encounter</td>
</tr>
<tr>
<td>S75.021A</td>
<td>Major laceration of femoral artery, right leg, initial encounter</td>
</tr>
<tr>
<td>S75.022A</td>
<td>Major laceration of femoral artery, left leg, initial encounter</td>
</tr>
<tr>
<td>S77.01XA</td>
<td>Crushing injury of right hip, initial encounter</td>
</tr>
</tbody>
</table>
S77.02XA Crushing injury of left hip, initial encounter
S77.11XA Crushing injury of right thigh, initial encounter
S77.12XA Crushing injury of left thigh, initial encounter
S77.21XA Crushing injury of right hip with thigh, initial encounter
S77.22XA Crushing injury of left hip with thigh, initial encounter
S85.011A Laceration of popliteal artery, right leg, initial encounter
S85.012A Laceration of popliteal artery, left leg, initial encounter
S85.091A Other specified injury of popliteal artery, right leg, initial encounter
S85.092A Other specified injury of popliteal artery, left leg, initial encounter
S85.141A Laceration of anterior tibial artery, right leg, initial encounter
S85.142A Laceration of anterior tibial artery, left leg, initial encounter
S85.151A Other specified injury of anterior tibial artery, right leg, initial encounter
S85.152A Other specified injury of anterior tibial artery, left leg, initial encounter
S85.171A Laceration of posterior tibial artery, right leg, initial encounter
S85.172A Laceration of posterior tibial artery, left leg, initial encounter
S85.181A Other specified injury of posterior tibial artery, right leg, initial encounter
S85.182A Other specified injury of posterior tibial artery, left leg, initial encounter
S87.01XA Crushing injury of right knee, initial encounter
S87.02XA Crushing injury of left knee, initial encounter
S87.81XA Crushing injury of right lower leg, initial encounter
S87.82XA Crushing injury of left lower leg, initial encounter
S97.01XA Crushing injury of right ankle, initial encounter
S97.02XA Crushing injury of left ankle, initial encounter
S97.111A Crushing injury of right great toe, initial encounter
S97.112A Crushing injury of left great toe, initial encounter
S97.121A Crushing injury of right lesser toe(s), initial encounter
S97.122A Crushing injury of left lesser toe(s), initial encounter
S97.81XA Crushing injury of right foot, initial encounter
S97.82XA Crushing injury of left foot, initial encounter
T82.311A Breakdown (mechanical) of carotid arterial graft (bypass), initial encounter
T82.318A Breakdown (mechanical) of other vascular grafts, initial encounter
T82.321A Displacement of carotid arterial graft (bypass), initial encounter
T82.328A Displacement of other vascular grafts, initial encounter
T82.331A Leakage of carotid arterial graft (bypass), initial encounter
T82.338A Leakage of other vascular grafts, initial encounter
T82.391A Other mechanical complication of carotid arterial graft (bypass), initial encounter
T82.398A Other mechanical complication of other vascular grafts, initial encounter
Z09 Encounter for follow-up examination after completed treatment for conditions other than malignant neoplasm

Showing 1 to 167 of 167 entries in Group 2

Group 3 Paragraph: MRA of the Abdomen and Pelvis (74185, 72198, C8900, C8901, C8902, C8918, C8919, C8920) are covered for the following diagnoses:
<table>
<thead>
<tr>
<th>ICD-10 Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C64.1</td>
<td>Malignant neoplasm of right kidney, except renal pelvis</td>
</tr>
<tr>
<td>C64.2</td>
<td>Malignant neoplasm of left kidney, except renal pelvis</td>
</tr>
<tr>
<td>C65.1</td>
<td>Malignant neoplasm of right renal pelvis</td>
</tr>
<tr>
<td>C65.2</td>
<td>Malignant neoplasm of left renal pelvis</td>
</tr>
<tr>
<td>C68.8</td>
<td>Malignant neoplasm of overlapping sites of urinary organs</td>
</tr>
<tr>
<td>D30.01</td>
<td>Benign neoplasm of right kidney</td>
</tr>
<tr>
<td>D30.02</td>
<td>Benign neoplasm of left kidney</td>
</tr>
<tr>
<td>I10</td>
<td>Essential (primary) hypertension</td>
</tr>
<tr>
<td>I12.0</td>
<td>Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease</td>
</tr>
<tr>
<td>I12.9</td>
<td>Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease or unspecified chronic kidney disease</td>
</tr>
<tr>
<td>I13.0</td>
<td>Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease or unspecified chronic kidney disease</td>
</tr>
<tr>
<td>I13.10</td>
<td>Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease or unspecified chronic kidney disease</td>
</tr>
<tr>
<td>I13.11</td>
<td>Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease</td>
</tr>
<tr>
<td>I13.2</td>
<td>Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease</td>
</tr>
<tr>
<td>I15.0</td>
<td>Renovascular hypertension</td>
</tr>
<tr>
<td>I15.1</td>
<td>Hypertension secondary to other renal disorders</td>
</tr>
<tr>
<td>I70.0</td>
<td>Atherosclerosis of aorta</td>
</tr>
<tr>
<td>I70.1</td>
<td>Atherosclerosis of renal artery</td>
</tr>
<tr>
<td>I70.201</td>
<td>Unspecified atherosclerosis of native arteries of extremities, right leg</td>
</tr>
<tr>
<td>I70.202</td>
<td>Unspecified atherosclerosis of native arteries of extremities, left leg</td>
</tr>
<tr>
<td>I70.203</td>
<td>Unspecified atherosclerosis of native arteries of extremities, bilateral legs</td>
</tr>
<tr>
<td>I70.211</td>
<td>Atherosclerosis of native arteries of extremities with intermittent claudication, right leg</td>
</tr>
<tr>
<td>I70.212</td>
<td>Atherosclerosis of native arteries of extremities with intermittent claudication, left leg</td>
</tr>
<tr>
<td>I70.213</td>
<td>Atherosclerosis of native arteries of extremities with intermittent claudication, bilateral legs</td>
</tr>
<tr>
<td>I70.221</td>
<td>Atherosclerosis of native arteries of extremities with rest pain, right leg</td>
</tr>
<tr>
<td>I70.222</td>
<td>Atherosclerosis of native arteries of extremities with rest pain, left leg</td>
</tr>
<tr>
<td>I70.223</td>
<td>Atherosclerosis of native arteries of extremities with rest pain, bilateral legs</td>
</tr>
<tr>
<td>I70.231</td>
<td>Atherosclerosis of native arteries of right leg with ulceration of thigh</td>
</tr>
<tr>
<td>I70.232</td>
<td>Atherosclerosis of native arteries of right leg with ulceration of calf</td>
</tr>
<tr>
<td>I70.233</td>
<td>Atherosclerosis of native arteries of right leg with ulceration of ankle</td>
</tr>
<tr>
<td>I70.234</td>
<td>Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot</td>
</tr>
<tr>
<td>I70.241</td>
<td>Atherosclerosis of native arteries of left leg with ulceration of thigh</td>
</tr>
<tr>
<td>I70.242</td>
<td>Atherosclerosis of native arteries of left leg with ulceration of calf</td>
</tr>
</tbody>
</table>
I70.243 Atherosclerosis of native arteries of left leg with ulceration of ankle
I70.244 Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot
I70.261 Atherosclerosis of native arteries of extremities with gangrene, right leg
I70.262 Atherosclerosis of native arteries of extremities with gangrene, left leg
I70.263 Atherosclerosis of native arteries of extremities with gangrene, bilateral legs
I71.02 Dissection of abdominal aorta
I71.03 Dissection of thoracoabdominal aorta
I71.4 Abdominal aortic aneurysm, without rupture
I71.6 Thoracoabdominal aortic aneurysm, without rupture
I71.9 Aortic aneurysm of unspecified site, without rupture
I72.2 Aneurysm of renal artery
I72.3 Aneurysm of iliac artery
I72.4 Aneurysm of artery of lower extremity
I72.8 Aneurysm of other specified arteries
I73.9 Peripheral vascular disease, unspecified
I74.01 Saddle embolus of abdominal aorta
I74.09 Other arterial embolism and thrombosis of abdominal aorta
I74.11 Embolism and thrombosis of thoracic aorta
I74.5 Embolism and thrombosis of iliac artery
I75.81 Atheroembolism of kidney
I76 Septic arterial embolism
I77.0 Arteriovenous fistula, acquired
I77.1 Stricture of artery
I77.3 Arterial fibromuscular dysplasia
I77.4 Celiac artery compression syndrome
I77.5 Necrosis of artery
I77.72 Dissection of iliac artery
I77.73 Dissection of renal artery
I77.89 Other specified disorders of arteries and arterioles
K55.0 Acute vascular disorders of intestine
K55.1 Chronic vascular disorders of intestine
N17.0 Acute kidney failure with tubular necrosis
N17.1 Acute kidney failure with acute cortical necrosis
N17.2 Acute kidney failure with medullary necrosis
N17.8 Other acute kidney failure
N17.9 Acute kidney failure, unspecified
N18.1 Chronic kidney disease, stage 1
N18.2 Chronic kidney disease, stage 2 (mild)
N18.3 Chronic kidney disease, stage 3 (moderate)
N18.4 Chronic kidney disease, stage 4 (severe)
N18.5 Chronic kidney disease, stage 5
N18.6 End stage renal disease
N18.9 Chronic kidney disease, unspecified
N26.9 Renal sclerosis, unspecified
N27.0 Small kidney, unilateral
N27.1 Small kidney, bilateral
N27.9 Small kidney, unspecified
N28.0 Ischemia and infarction of kidney
Q27.1 Congenital renal artery stenosis
Q27.2 Other congenital malformations of renal artery
Q27.34 Arteriovenous malformation of renal vessel
R93.5 Abnormal findings on diagnostic imaging of other abdominal regions, including retroperitoneum
S31.001A Unspecified open wound of lower back and pelvis with penetration into retroperitoneum, initial encounter
S35.01XA Minor laceration of abdominal aorta, initial encounter
S35.02XA Major laceration of abdominal aorta, initial encounter
S35.09XA Other injury of abdominal aorta, initial encounter
S35.411A Laceration of right renal artery, initial encounter
S35.412A Laceration of left renal artery, initial encounter
S35.413A Laceration of unspecified renal artery, initial encounter
S35.416A Laceration of unspecified renal vein, initial encounter
S35.491A Other specified injury of right renal artery, initial encounter
S35.492A Other specified injury of left renal artery, initial encounter
S35.493A Other specified injury of unspecified renal artery, initial encounter
S35.496A Other specified injury of unspecified renal vein, initial encounter
S35.511A Injury of right iliac artery, initial encounter
S35.512A Injury of left iliac artery, initial encounter
S35.513A Injury of unspecified iliac artery, initial encounter
S37.001A Unspecified injury of right kidney, initial encounter
S37.002A Unspecified injury of left kidney, initial encounter
S37.011A Minor contusion of right kidney, initial encounter
S37.012A Minor contusion of left kidney, initial encounter
S37.021A Major contusion of right kidney, initial encounter
S37.022A Major contusion of left kidney, initial encounter
S37.031A Laceration of right kidney, unspecified degree, initial encounter
S37.032S Laceration of left kidney, unspecified degree, sequela
S37.041A Minor laceration of right kidney, initial encounter
S37.042A Minor laceration of left kidney, initial encounter
S37.051A Moderate laceration of right kidney, initial encounter
S37.052A Moderate laceration of left kidney, initial encounter
S37.061A Major laceration of right kidney, initial encounter
S37.062A Major laceration of left kidney, initial encounter
T81.711A Complication of renal artery following a procedure, not elsewhere classified, initial encounter
T82.311A Breakdown (mechanical) of carotid arterial graft (bypass), initial encounter
T82.318A Breakdown (mechanical) of other vascular grafts, initial encounter
T82.321A Displacement of carotid arterial graft (bypass), initial encounter
T82.328A Displacement of other vascular grafts, initial encounter
T82.331A Leakage of carotid arterial graft (bypass), initial encounter
T82.338A Leakage of other vascular grafts, initial encounter
T82.391A Other mechanical complication of carotid arterial graft (bypass), initial encounter
T82.398A Other mechanical complication of other vascular grafts, initial encounter
T82.7XXA Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, initial encounter
T82.818A Embolism of vascular prosthetic devices, implants and grafts, initial encounter
T82.828A Fibrosis of vascular prosthetic devices, implants and grafts, initial encounter
T82.838A Hemorrhage of vascular prosthetic devices, implants and grafts, initial encounter
T82.848A Pain from vascular prosthetic devices, implants and grafts, initial encounter
T82.858A Stenosis of vascular prosthetic devices, implants and grafts, initial encounter
T82.868A Thrombosis of vascular prosthetic devices, implants and grafts, initial encounter
T86.11 Kidney transplant rejection
T86.12 Kidney transplant failure
T86.13 Kidney transplant infection
T86.890 Other transplanted tissue rejection
T86.891 Other transplanted tissue failure
T86.892 Other transplanted tissue infection
Z00.5 Encounter for examination of potential donor of organ and tissue
Z48.22 Encounter for aftercare following kidney transplant
Z48.812 Encounter for surgical aftercare following surgery on the circulatory system
Z52.4 Kidney donor
Z94.0 Kidney transplant status

Showing 1 to 141 of 141 entries in Group 3

Group 4 Paragraph: MRA of the Chest (71555, C8909, C8910, C8911) are covered for the following diagnoses:

Group 4 Codes:

<table>
<thead>
<tr>
<th>ICD-10 Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A52.01</td>
<td>Syphilitic aneurysm of aorta</td>
</tr>
<tr>
<td>I26.01</td>
<td>Septic pulmonary embolism with acute cor pulmonale</td>
</tr>
<tr>
<td>I26.02</td>
<td>Saddle embolus of pulmonary artery with acute cor pulmonale</td>
</tr>
<tr>
<td>I26.09</td>
<td>Other pulmonary embolism with acute cor pulmonale</td>
</tr>
<tr>
<td>I26.90</td>
<td>Septic pulmonary embolism without acute cor pulmonale</td>
</tr>
<tr>
<td>I26.92</td>
<td>Saddle embolus of pulmonary artery without acute cor pulmonale</td>
</tr>
<tr>
<td>I26.99</td>
<td>Other pulmonary embolism without acute cor pulmonale</td>
</tr>
<tr>
<td>I28.1</td>
<td>Aneurysm of pulmonary artery</td>
</tr>
<tr>
<td>I71.01</td>
<td>Dissection of thoracic aorta</td>
</tr>
<tr>
<td>I71.03</td>
<td>Dissection of thoracoabdominal aorta</td>
</tr>
<tr>
<td>I71.2</td>
<td>Thoracic aortic aneurysm, without rupture</td>
</tr>
<tr>
<td>I71.6</td>
<td>Thoracoabdominal aortic aneurysm, without rupture</td>
</tr>
<tr>
<td>I71.9</td>
<td>Aortic aneurysm of unspecified site, without rupture</td>
</tr>
<tr>
<td>I74.11</td>
<td>Embolism and thrombosis of thoracic aorta</td>
</tr>
<tr>
<td>I76</td>
<td>Septic arterial embolism</td>
</tr>
<tr>
<td>M31.4</td>
<td>Aortic arch syndrome [Takayasu]</td>
</tr>
<tr>
<td>N17.9</td>
<td>Acute kidney failure, unspecified</td>
</tr>
</tbody>
</table>
N18.3 Chronic kidney disease, stage 3 (moderate)
N18.4 Chronic kidney disease, stage 4 (severe)
N18.5 Chronic kidney disease, stage 5
N18.6 End stage renal disease
N19 Unspecified kidney failure
Q25.1 Coarctation of aorta
Q25.2 Atresia of aorta
Q87.410 Marfan's syndrome with aortic dilation
Q87.418 Marfan's syndrome with other cardiovascular manifestations
R07.9 Chest pain, unspecified
R93.1 Abnormal findings on diagnostic imaging of heart and coronary circulation
R94.2 Abnormal results of pulmonary function studies
T80.0XXA Air embolism following infusion, transfusion and therapeutic injection, initial encounter
T81.718A Complication of other artery following a procedure, not elsewhere classified, initial encounter
T81.72XA Complication of vein following a procedure, not elsewhere classified, initial encounter
T82.817A Embolism of cardiac prosthetic devices, implants and grafts, initial encounter
T82.818A Embolism of vascular prosthetic devices, implants and grafts, initial encounter
Z09 Encounter for follow-up examination after completed treatment for conditions other than malignant neoplasm
Z85.01 Personal history of malignant neoplasm of esophagus
Z86.79 Personal history of other diseases of the circulatory system
Z88.8* Allergy status to other drugs, medicaments and biological substances status
Z91.041 Radiographic dye allergy status
Z91.048 Other nonmedicinal substance allergy status

**Group 4 Medical Necessity ICD-10 Codes Asterisk Explanation:** **When billing for personal history of allergy to other specified medicinal agents, document the ICD-10-CM code for pulmonary embolism or abnormal lung scan as the primary diagnosis and Z88.8 as the secondary.**

Showing 1 to 40 of 40 entries in Group 4

**ICD-10 Codes that DO NOT Support Medical Necessity**

**Group 1 Paragraph:** All those not listed under the “ICD-10 Codes that Support Medical Necessity” section of this policy.

**Group 1 Codes:** N/A

**Additional ICD-10 Information**

N/A
General Information

Associated Information

Documentation Requirements

1. All documentation must be maintained in the patient’s medical record and made available to the contractor upon request.
2. Every page of the record must be legible and include appropriate patient identification information (e.g., complete name, dates of service(s)). The record must include the legible signature of the physician or non-physician practitioner responsible for and providing the care to the patient.
3. The submitted medical record should support the use of the selected ICD-10-CM code(s). The submitted CPT/HCPCS code should describe the service performed.
4. Documentation must support the reasonable and necessary requirements as outlined under the coverage and limitations sections detailed above.
5. Documentation to support the medical necessity of the combined use of MRA and CA must be maintained in the patient’s medical record.
6. Hospital, office or mobile unit records should clearly document the service was performed by or under direct physician supervision, reason for the exam and its frequency. In addition, mobile units must maintain a record of the attending physician’s order for a scan performed in their facility.
7. In instances where multiple diagnostic services are medically necessary, documentation supporting this need must be available upon request.
8. When billing for personal history of allergy to other specified medicinal agents, document the ICD-10-CM code for pulmonary embolism or abnormal lung scan as the primary diagnosis and Z88.8 as the secondary.

Utilization Guidelines

In accordance with CMS Ruling 95-1 (V), utilization of these services should be consistent with locally acceptable standards of practice.

Sources of Information and Basis for Decision

Contractor is not responsible for the continued viability of websites listed.


Annals Int Med May 1994; 120:10; 856-871, 872-875.

Other Contractor(s)’ Policies

Individual Local Medical Review Policies:
- Arkansas Magnetic Resonance Angiography Rev 2
- Louisiana Magnetic Resonance Angiography (MRA-Revision 1998);
- Missouri Magnetic Resonance Angiography, #99;
- Oklahoma and New Mexico Magnetic Resonance Angiography, #N001; and
- Rhode Island Magnetic Resonance Angiography (MRA), RI-2000-106.
AR Part A, ARA-03-010

L27392 Trispan Legacy Policy


Contractor Medical Directors

Revision History Information

Please note: Most Revision History entries effective on or before 01/24/2013 display with a Revision History Number of "R1" at the bottom of this table. However, there may be LCDs where these entries will display as a separate and distinct row.

<table>
<thead>
<tr>
<th>Revision History Date</th>
<th>Revision History Number</th>
<th>Revision History Explanation</th>
<th>Reason(s) for Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/01/2015</td>
<td>R2</td>
<td>LCD revised and published on 06/25/2015.</td>
<td>Creation of Uniform LCDs Within a MAC Jurisdiction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LCD revised on 05/28/2014 to add ICD-10 codes H93.11, H93.12, H93.13 and H93.19 as a covered diagnosis for MRA of the head and neck (Group 1 Diagnosis Codes) effective for dates of service on or after 10/01/2014. (LCD updated on 06/07/2014)</td>
<td>Reconsideration Request</td>
</tr>
<tr>
<td>10/01/2015</td>
<td>R1</td>
<td></td>
<td>Other (CPT/HCPCS codes formerly in ranges now listed as separate codes.)</td>
</tr>
</tbody>
</table>

Associated Documents

Attachments
N/A

Related Local Coverage Documents
N/A

Related National Coverage Documents
N/A

Public Version(s)