Local Coverage Determination (LCD): Non-Invasive Vascular Studies (L33627)

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Contractor Information

Contractor Name	Contract Type	Cor Nui
National Government Services, Inc.	MAC - Part A	061
National Government Services, Inc.	MAC - Part B	061
National Government Services, Inc.		062
National Government Services, Inc.	MAC - Part B	062
National Government Services, Inc.	MAC - Part A	063
National Government Services, Inc.	MAC - Part B	063
National Government Services, Inc.	A and B and HHH MAC	131
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Contract Number	Jurisdiction	State(s)
06101 - MAC A	N/A	Illinois
06102 - MAC B 06201 - MAC A	N/A N/A	Illinois Minnesota
06201 - MAC A	N/A	Minnesota
06301 - MAC A	N/A	Wisconsin
06302 - MAC B	N/A	Wisconsin
13101 - MAC A	J - K	Connecticut
13102 - MAC B	J - K	Connecticut
13201 - MAC A	J - K	New York - Entire State
13202 - MAC B	J - K	New York - Downstate
13282 - MAC B	J - K	New York - Upstate
13292 - MAC B	J - K	New York - Queens
14111 - MAC A	J - K	Maine
14112 - MAC B	J - K	Maine
14211 - MAC A	J - K	Massachusetts
14212 - MAC B	J - K	Massachusetts
14311 - MAC A	J - K	New Hampshire
14312 - MAC B	J - K	New Hampshire
14411 - MAC A	J - K	Rhode Island
14412 - MAC B	J - K	Rhode Island
14511 - MAC A	J - K	Vermont
14512 - MAC B	J - K	Vermont

LCD Information

Document Information

LCD ID

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L33627

Original ICD-9 LCD ID L27355

LCD Title Non-Invasive Vascular Studies

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Revision Ending Date N/A

Retirement Date N/A

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Notice Period End Date N/A

CMS National Coverage Policy Language quoted from Centers for Medicare and Medicaid Services (CMS), National Coverage Determinations (NCDs) and coverage provisions in interpretive manuals is italicized throughout the policy. NCDs and coverage provisions in interpretive manuals are not subject to the Local Coverage Determination (LCD) Review Process (42 CFR 405.860[b] and 42 CFR 426 [Subpart D]). In addition, an administrative law judge may not review an NCD. See Section 1869(f)(1)(A)(i) of the Social Security Act.

Unless otherwise specified, italicized text represents quotation from one or more of the following CMS sources:

Title XVIII of the Social Security Act (SSA):

Section 1862(a)(1)(A) excludes expenses incurred for items or services which are not reasonable and necessary for the diagnosis or treatment of illness or injury or to improve the functioning of a malformed body member.

Section 1833(e) prohibits Medicare payment for any claim which lacks the necessary information to process the claim.

Code of Federal Regulations:

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

42 CFR, Section 410.33 provides guidelines for independent diagnostic testing facilities (IDTFs) including requirements for technician personnel and supervising physicians.

CMS Publications:

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CMS Publication 100-02, Medicare Benefit Policy Manual, Chapter 11:

20.1 Noninvasive Vascular Studies for End Stage Renal Disease (ESRD) Patients

CMS Publication 100-03, Medicare National Coverage Determinations Manual, Chapter 1:

20.14 Plethysmography 20.17 Noninvasive Tests of Carotid Function 220.5 Ultrasound Diagnostic Procedures 220.21 Thermography

CMS Publication 100-08, *Medicare Program Integrity Manual*, Chapter 13:

13.5 Content of an LCD 13.5.1 Reasonable and Necessary Provisions in LCDs

Coverage Guidance Coverage Indications, Limitations, and/or Medical Necessity

Abstract:

Non-invasive vascular studies utilize ultrasonic Doppler and physiologic principles to assess irregularities in blood flow in arterial and venous systems. The display may be a two dimensional image with spectral analysis and color flow or a plethysmographic recording. For the purposes of this policy, non-invasive vascular studies include duplex scans, physiologic studies and plethysmography.

Definitions:

Duplex scan: An ultrasonic scanning procedure with display of both two-dimensional structure and motion with time and Doppler ultrasonic signal documentation with spectrum analysis and/or color flow velocity mapping or imaging.

Physiologic studies: Functional measurement procedures that include Doppler ultrasound studies, blood pressure measurements, transcutaneous oxygen tension measurement, or plethysmography.

Plethysmography: Plethysmography involves the measurement and recording (by one of several methods) of changes in the size of a body part as modified by the circulation of blood in that part. Plethysmography is of value as a noninvasive technique for diagnostic, preoperative and postoperative evaluation of peripheral artery disease in the internal medicine or vascular surgery practice. It is also a useful tool for the preoperative podiatric evaluation of the diabetic patient or one who has intermittent claudication or other signs or symptoms indicative of peripheral vascular disease which have a bearing on the patient's candidacy for foot surgery. (CMS Publication 100-03, Medicare National Coverage Decisions Manual, Chapter 1, Section 20.14)

Transcranial Doppler: Pulsed Doppler ultrasound is used to interrogate the intracranial vasculature of the Circle of Willis. Its value has been established in detecting severe stenosis in the major intracranial arteries, assessing patterns and extent of collateral circulation in patients with known regions of severe stenosis or occlusion and evaluating and following patients with vasoconstriction particularly after subarachnoid hemorrhage.

This local coverage determination specifies NGS policy for non-invasive vascular study testing.

INDICATIONS AND LIMITATIONS:

General Indications:

Non-invasive vascular studies are considered medically necessary if the ordering physician has reasonable expectation that their outcomes will potentially impact the clinical management of the patient. Services are deemed medically necessary when the following conditions are met:

- Significant signs/symptoms of arterial or venous disease are present;
- The information is necessary for appropriate medical and/or surgical management; and/or

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• The test is not redundant of other diagnostic procedures that must be performed.

In general, non-invasive studies of the arterial system are utilized when invasive correction is contemplated. It is the responsibility of the physician/provider to ensure the medical necessity of procedures and documentation of such in the medical record.

Credentialing and Accreditation Standards

The accuracy of non-invasive vascular diagnostic studies depends on the knowledge, skill, and experience of the technologist and interpreter. Consequently, the physician performing and/or interpreting the study must be capable of demonstrating documented training and experience and maintain any applicable documentation. A vascular diagnostic study may be personally performed by a physician or a technologist.

The GAO Report to Congressional Committees entitled Medicare Ultrasound Procedures. Consideration of Payment Reforms and Technician Qualifications Requirements states that "Findings from several peer-reviewed studies, the Medicare Payment Advisory Commission, and ultrasound-related professional organizations support requiring that sonographers either have credentials or operate in facilities that are accredited, where specific quality standards apply. In some localities and practice settings, CMS or its contractors have required that sonographers either be credentialed or work in an accredited facility." (GAO-07-734)

The following requirements will be in effect for Part B providers in New York state (except Queens county) November 15, 2008. For other areas under National Government Services jurisdiction the requirements will be effective for all providers November 15, 2010, with the exception of Illinois (Part B providers), Maine, Massachusetts, Minnesota, New Hampshire, Rhode Island, Vermont and Wisconsin (Part B providers). For these states the requirement will take effect January 1, 2016:

- All non-invasive vascular diagnostic studies must be performed under at least one of the following settings: (1) performed by a physician who is competent in diagnostic vascular studies or under the general supervision of physicians who have demonstrated minimum entry level competency by being credentialed in vascular technology, or (2) performed by a technician who is certified in vascular technology, or (3) performed in facilities with laboratories accredited in vascular technology.
- Examples of appropriate personnel certification include, but are not limited to the Registered Physician in Vascular Interpretation (RPVI), Registered Vascular Technologist (RVT), the Registered Cardiovascular Technologist (RCVT), Registered Vascular Specialist (RVS), and the American Registry of Radiologic Technologists (ARRT) credentials in vascular technology. Appropriate laboratory accreditation includes the American College of Radiology (ACR) Vascular Ultrasound Program, and the Intersocietal Commission for the Accreditation of Vascular Laboratories (ICAVL).
- Additionally, transcutaneous oxygen tension measurements may be performed by individuals possessing the following credentials obtained from appropriate credentialing bodies, such as, but not limited to, the National Board of Diving and Hyperbaric Medicine Technology (NBDHMT): Certified Hyperbaric Technologist (CHT), or Certified Hyperbaric Registered Nurse (CHRN).

Please Note: 42 CFR Section 410.33, Independent Diagnostic Testing Facilities, includes credentialing requirements that supersede those above:

The supervising physician must evidence proficiency in the performance and interpretation of each type of diagnostic procedure performed by the IDTF. The proficiency may be documented by certification in specific medical specialties or subspecialties or by criteria established by the carrier for the service area in which the IDTF is located. See 42 CFR Section 410-33 (2) (b).

Nonphysician personnel. Any nonphysician personnel used by the IDTF to perform tests must demonstrate the basic qualifications to perform the tests in question and have training and proficiency as evidenced by licensure or certification by the appropriate State health or education department. In the absence of a State licensing board, the technician must be certified by an appropriate national credentialing body. The IDTF must maintain documentation available for review that these requirements are met. See 42 CFR Section 410-33 (2)(c).

General Limitations:

A referral must be on record for each non-invasive study performed. A referral for one type of study does not qualify as a referral for all tests.

Non-invasive vascular studies are considered medically necessary only if the outcome will potentially impact the clinical course of the patient. For example, if a patient is (or is not) proceeding on to other diagnostic and/or

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therapeutic procedures regardless of the outcome of non-invasive studies, and non-invasive vascular procedures will not provide any unique diagnostic information that would impact patient management, then the non-invasive procedures are not medically necessary. If it is obvious from the findings of the history and physical examination that the patient is going to proceed to angiography, then non-invasive vascular studies are not medically necessary.

Non-invasive vascular studies include patient care required to perform the studies, supervision of the studies, and interpretation of study results with hard copy output or imaging. Digital storage of imaging is acceptable.

The use of any Doppler device that produces a record that does not permit analysis of bidirectional vascular flow or that does not provide a hard copy printout is part of the physical exam of the vascular system and is not reported separately. (*CPT Expert*, 2004, 4th Edition)

The performance of simultaneous arterial and venous studies during the same encounter should be rare. Documentation should be available to support the medical necessity for both studies.

It is rarely necessary to perform cerebrovascular and upper extremity studies on the same day. Documentation supporting the need for both studies should be available for review.

I. Cerebrovascular Arterial Studies

Extracranial Arterial Studies (93880-93882)

Covered cerebrovascular arterial study testing methods include (real-time) duplex scans; and Doppler ultrasound waveform with spectral analysis.

Non-covered/non-reimbursed methods include testing methods that have not been found to be useful based on authoritative technological assessments or that are included as part of the physical examination.

Indications:

Cerebrovascular arterial studies may be considered medically necessary if one or more of the following signs and symptoms are present:

- Asymptomatic or symptomatic cervical bruits;
- Amaurosis fugax;
- Focal cerebral or ocular transient ischemic attacks (including but not limited to):
 - localizing symptoms, e.g., sensory loss; and/or
 - weakness of one side of the face; and/or
 - slurred speech; and/or
 - weakness of a limb;
- Syncope that is strongly suggestive of vertebrobasilar or bilateral carotid artery disease in etiology, as suggested by medical history;
- Recent history of a previous neurologic or cerebrovascular event;
- Before major cardiac and vascular surgery when a bruit is noted or there is a history of previous neurologic or cerebrovascular event;
- After carotid endarterectomy (outside the global period), or follow-up of previously documented stenoses;
- Pulsatile neck mass;
- Evaluation of blunt or penetrating neck trauma;
- Ocular microembolism (optic nerve/retinal arterial-Hollenhorst plaques/ocular);

Limitations: Studies may **not** be considered medically necessary if performed for the following signs and symptoms:

- Drop attack or syncope are rare indications usually seen with vertebrobasilar or bilateral carotid artery disease.
- Dizziness is not a typical indication unless associated with other localizing signs or symptoms. However, episodic dizziness with symptom characteristics typical of transient ischemic attacks may indicate medical necessity, especially when other more common sources, e.g., postural hypotension or transiently decreased cardiac output as demonstrated by cardiac event monitoring, have been previously excluded; and/or
- Headaches (including migraines).

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Transcranial Doppler (TCD) Studies (93886 – 93893)

Transcranial Doppler (TCD) studies of the intracranial arteries and transcranial duplex imaging of extracranial arteries are approved methods of testing. The presence, location, and extent of disease can be evaluated by utilizing directional pulsed Doppler to estimate flow velocities and assess intracranial vessel hemodynamics and physiology.

Indications:

TCD studies are **allowed** for the following:

- Detection and evaluation of the hemodynamic effects of severe stenosis or occlusion of the extracranial (greater than or equal to 60% diameter reduction) and major basal intracranial arteries (greater than or equal to 50% diameter reduction);
- Detection and serial evaluation of cerebral vasospasm complicating subarachnoid hemorrhage;
- Evaluation of intracranial hemodynamic abnormalities in patients with suspected brain death;
- Intraoperative and perioperative monitoring of intracranial flow velocity and hemodynamic patterns during carotid endarterectomy, (although the professional component could only be reimbursed if it is provided during the operative procedure by a physician that is not a member of the operating team);
- Evaluation of cerebral embolization; and/or
- Assessing hemodynamic effects, patterns, and extent of collateral circulation in patients with known regions of severe stenosis or occlusion when necessary to care for the patient; and
- Assessing stroke risk in children aged two to sixteen with homozygous sickle cell disease; and
- As an alternative to an echocardiogram to detect residual right to left shunting after repair/closure of an intracardiac or intrapulmonary shunt.

Multiple cerebrovascular procedures may be allowed during the same encounter given the physician/provider can demonstrate medical necessity as documented in the patient's medical record. For example, physiologic studies and a duplex scan are allowed on the same date of service given the provider is able to document medical necessity, e.g., greater than or equal to 50% stenosis on duplex scan or significant symptoms as demonstrated by the indications for the study.

Limitations:

TCD studies are **not** indicated for:

- Evaluation of brain tumors;
- Assessment of familial and degenerative disease of the cerebrum, brainstem, cerebellum, basal ganglia and motor neurons;
- Evaluation of infectious and inflammatory conditions;
- Psychiatric disorders; and/or
- Epilepsy.

Transcranial Doppler (TCD) is considered investigational and not medically necessary for the following indications:

- Assessing patients with migraine;
- Monitoring during cardiopulmonary bypass and other cerebrovascular and cardiovascular interventions, and surgical procedures (except during carotid endarterectomy, as noted above);
- Evaluation of patients with dilated vasculopathies such as fusiform aneurysms;
- Assessing autoregulation, physiologic, and pharmacological responses of cerebral arteries; and/or
- Evaluating children with various vasculopathies, such as moyamoya disease and neurofibromatosis.

II. Peripheral Arterial Examinations (93922 - 93931)

Covered peripheral arterial study testing methods include duplex scans; Doppler waveform or spectral analysis; volume, impedance or strain gauge plethysmography; and transcutaneous oxygen tension measurement.

Non-covered peripheral arterial study testing methods include thermography, mechanical oscillometry, inductance or capacitance plethysmography, photoelectric plethysmography, differential plethysmography, and light reflective rheography.

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Indications:

Non-invasive peripheral arterial examinations, performed to establish the level and/or degree of arterial occlusive disease, are medically necessary if (1) significant signs and/or symptoms of possible limb ischemia are present **and** (2) the patient is a candidate for invasive/surgical therapeutic interventions. Acute ischemia is characterized by the sudden onset of severe pain, coldness, numbness and pallor of the extremity. Chronic ischemia can be manifested by intermittent claudication, pain at rest, diminished pulse, ulceration, and gangrene.

A routine history and physical examination, which includes ankle/brachial indices (ABIs), can readily document the presence or absence of ischemic disease in the majority of cases. It is not medically necessary to proceed beyond the physical examination for minor signs and symptoms such as hair loss, absence of a single pulse, relative coolness of a foot, shiny thin skin, or lack of toe nail growth unless related signs and/or symptoms are present which are severe enough to require possible invasive intervention.

An ABI is not a reimbursable procedure by itself; rather, ABI may be reimbursed when derived from a more comprehensive procedure which includes a permanent chart copy of the measured pressures and waveforms in the examined vessels. An ABI should be abnormal, e.g., <0.9 at rest, **and** must be accompanied by another appropriate indication before proceeding to more sophisticated or complete studies, **except** in patients with severe diabetes or uremia resulting in medial calcification as demonstrated by artifactually elevated ankle blood pressure.

Peripheral artery studies may be considered **medically necessary** if the following signs and symptoms are present:

- Claudication of such severity that it interferes significantly with the patient's occupation or lifestyle, or claudication with inability to stress the patient;
- Rest pain (typically including the forefoot), usually associated with absent pulses, which becomes increasingly severe with elevation and diminishes with placement of the leg in a dependent position;
- Tissue loss defined as gangrene or pre-gangrenous changes of the extremity, or ischemic ulceration of the extremity occurring in the absence of pulses;
- Aneurysmal disease;
- Evidence of thromboembolic events;
- Blunt or penetrating trauma (including complications of diagnostic and/or therapeutic procedures); and/or
- Follow-up of grafts or other vascular intervention

Pre-surgical conduit assessment of the upper extremity/radial artery(ies) may be performed prior to use in coronary artery bypass grafting (CABG) or as other arterial conduits.

Limitations:

Peripheral artery studies may **not** be considered medically necessary if only the following signs and symptoms are present:

- Continuous burning of the feet (considered to be a neurologic symptom);
- Leg pain, nonspecific and pain in limb (ICD-10 code M79.609) as single diagnoses are too general to warrant further investigation unless they can be related to other signs and symptoms;
- Edema rarely occurs with arterial occlusive disease unless it is in the immediate postoperative period, in association with another inflammatory process or in association with rest pain; and/or
- Absence of pulses in minor arteries, e.g., dorsalis pedis or posterior tibial, in the absence of symptoms. The absence of pulses is not an indication to proceed beyond the physical examination unless it is related to other signs and/or symptoms.

Duplex scanning and physiologic studies may be reimbursed during the same encounter if the physiologic studies are abnormal and/or to evaluate vascular trauma, thromboembolic events or aneurysmal disease, if the physician/provider can document medical necessity in the patient's medical record.

In general, non-invasive studies of the arterial system are to be utilized when invasive correction is contemplated or severity of findings dictate non-invasive study follow-up, but not for following non-invasive medical treatment regimens. The latter may be followed with physical findings and/or progression or relief of signs and/or symptoms. Screening of the asymptomatic patient is not covered by Medicare.

III. Peripheral Venous Examinations (93965-93971)

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Indications for venous examinations are separated into three major categories: deep vein thrombosis (DVT), chronic venous insufficiency, and vein mapping. Studies are medically necessary only if the patient is a candidate for anticoagulation, thrombolysis or invasive therapeutic procedure(s).

Since the signs and symptoms of arterial occlusive disease and venous disease are so divergent, the performance of simultaneous arterial and venous studies during the same encounter should be rare. Consequently, documentation clearly supporting the medical necessity of both procedures performed during the same encounter must be available in the patient's medical record.

Deep Vein Thrombosis (DVT)

The signs and/or symptoms of DVT are relatively non-specific; and due to the risk associated with pulmonary embolism (PE), objective testing is allowed in patients who are candidates for anticoagulation or invasive therapeutic procedures for the following:

- Clinical signs and/or symptoms of DVT including, but not limited to, edema, tenderness, inflammation, and/or erythema;
- Clinical signs and/or symptoms of pulmonary embolus (PE) including, but not limited to, hemoptysis, chest pain, and/or dyspnea;
- Unexplained lower extremity edema status, post major surgical procedures, trauma, other or progressive illness/condition; and/or
- Unexplained lower extremity pain, excluding pain of skeletal origin.

These studies are rarely considered medically necessary for the following:

- Bilateral limb edema in the presence of signs and/or symptoms of congestive heart failure, exogenous obesity and/or arthritis; and/or
- Follow-up of phlebitis unless signs/symptoms suggest possible extension of thrombus.

Chronic Venous Insufficiency

Chronic venous insufficiency may be divided into three categories: primary varicose veins, recurrent DVT, and post-thrombotic (post-phlebitic) syndrome. Peripheral venous studies may be indicated for the evaluation of:

- Venous function in patients with ulceration suspected to be secondary to venous insufficiency when documenting venous valvular incompetence prior to invasive therapeutic intervention;
- Varicose veins by themselves do not indicate medical necessity, but medical necessity may be indicated when they are accompanied by significant pain or stasis dermatitis; and/or
- Superficial thrombophlebitis involving the proximal thigh (to investigate whether there was thrombus at the saphenofemoral junction that would demand either anticoagulation or surgical ligation).

Vein Mapping

Mapping the saphenous veins prior to scheduled revascularization procedures is covered by Medicare when it is expected that an autologous vein will be used, but only if there is uncertainty regarding the availability of a suitable vein for by-pass.

Vein mapping is not always necessary as a routine pre-operative study but is medically reasonable when the patient's clinical evaluation indicates one of the following:

- Previous partial harvest of the vein;
- Previous thrombophlebitis or DVT in the leg;
- Severe varicose veins;
- Previous history of vein stripping, ligation, or sclerotherapy;
- Obesity to the degree it interferes with clinical determination;

Other examples must clearly be supported by the medical documentation.

Vein mapping may be performed prior to creating a dialysis fistula. Please see "VI. Vessel Mapping of Vessels for Printed on 12/9/2016. Page 8 of 76

Hemodialysis Access (93970, 93971, 93990, G0365)."

IV. Visceral Vascular Studies (93975, 93976, 93978, 93979)

Indications:

This procedure is indicated in the evaluation and/or management of vascular disease involving vessels of the abdominal, pelvic, scrotal contents, and/or retroperitoneal organs.

Limitations:

Duplex scanning in the evaluation of an abdominal aortic aneurysm is of limited value unless there is a pulsatile abdominal mass and signs and symptoms of peripheral vascular disease are present. Follow-up of an abdominal aneurysm on a periodic basis using abdominal ultrasound rather than visceral vascular studies to determine growth and potential need for intervention is allowed.

Vascular studies are not the initial diagnostic modality for the evaluation of abdominal pain/tenderness. There must be a high index of suspicion that the pain is caused by a vascular disorder, such as mesentery ischemia.

Noninvasive vascular studies are medically necessary only if the outcome will potentially impact the clinical course of the patient. For example, if a patient is going to proceed on to other diagnostic and/or therapeutic procedures regardless of the outcome of noninvasive studies, noninvasive vascular procedures are usually not medically necessary. That is, if it is obvious from the findings of the history and physical examination that the patient is going to proceed to angiography, then noninvasive vascular studies may not be medically necessary.

V. Hemodialysis Access Examination (93990)

Indications:

Medicare will consider separate payment for vascular studies (CPT code 93990) on symptomatic ESRD patients, when Doppler flow studies are used to provide diagnostic information to determine the appropriate medical intervention. Medicare considers a Doppler flow study medically necessary when the beneficiary's dialysis access site manifests signs or symptoms associated with vascular compromise, and when the results of this test are necessary to determine the clinical course of treatment.

Signs or symptoms in patients with ESRD of impending failure of the hemodialysis access site, including:

- Elevated venous pressure > 200mm Hg on a 200 cc/min. pump;
- Elevated recirculation of time of 12% or greater, and
- Low urea reduction rate < 60%
- An access with a palpable "water hammer" pulse on examination (which implies venous outflow obstruction)

VI. Vessel Mapping of Vessels for Hemodialysis Access (93970, 93971, G0365)

Indications:

Vessel mapping of vessels for hemodialysis access is considered for Medicare payment when it is performed preoperatively prior to creation of hemodialysis access using an autogenous hemodialysis conduit, including arterial inflow and venous outflow. The HCPCS level II code G0365 should be used for the initial autogenous access vessel mapping. The CPT codes 93970 and 93971 may be used for subsequent access mapping.

Limitations:

Medicare will limit payment to either a Doppler flow study (93990/G0365) or an angiogram (fistulogram, venogram, 75790 with 36145 or 75820 with 36005), but not both, unless documentation is provided to support the medical necessity for both studies.

An example of a clinical situation demonstrating the need for both studies would be a scenario where a Doppler flow study demonstrates reduced flow (blood flow rate less than 800 cc/min or a decreased flow of 25% or greater from previous study), and the physician requires an arteriogram, to define the extent of the problem. The patient's medical record(s) must provide documentation supporting the need for more than one imaging study.

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If the service is done for monitoring purposes, it is not covered under Part B. No separate payment for noninvasive vascular studies for monitoring the access site of an ESRD patient, whether coded as the access site or peripheral site, is permitted to any entity.

The technical component of HCPCS code G0365 and CPT code 93990 (modifier TC) performed in End-Stage Renal Disease (ESRD) facilities or for ESRD patients is included in the composite payment rate. This rate is a comprehensive payment that includes all services, equipment, supplies and certain laboratory tests and drugs that are necessary for dialysis treatment.

The professional component for the procedure (modifier 26) is included in the monthly capitation payment (MCP) if billed by the MCP physician. Physicians other than the MCP provider (or a member of his/her group of the same specialty) may bill separately for interpretations of tests.

Services performed on ESRD patients by entities outside the ESRD facility must bill the ESRD facility for payment of monitoring procedures.

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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.

011x Hospital Inpatient (Including Medicare Part A) 012x Hospital Inpatient (Medicare Part B only) 013x Hospital Outpatient 071x Clinic - Rural Health 072x Clinic - Hospital Based or Independent Renal Dialysis Center 073x Clinic - Freestanding 077x Clinic - Federally Qualified Health Center (FQHC) 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.

Revenue codes only apply to providers who bill these services to the Part A MAC. Revenue codes do not apply to physicians, other professionals and suppliers who bill these services to the carrier or Part B MAC.

Please note that not all revenue codes apply to every type of bill code. Providers are encouraged to refer to the FISS revenue code file for allowable bill types. Similarly, not all revenue codes apply to each CPT/HCPCS code. Providers are encouraged to refer to the FISS HCPCS file for allowable revenue codes.

All revenue codes billed on the inpatient claim for the dates of service in question may be subject to review.

- 0920 Other Diagnostic Services General Classification
- 0921 Other Diagnostic Services Peripheral Vascular Lab
- 0929 Other Diagnostic Services Other Diagnostic Service
- 0960 Professional Fees General Classification
- 0981 Professional Fees Emergency Room Services
- 0982 Professional Fees Outpatient Services
- 0983 Professional Fees Clinic

CPT/HCPCS Codes Group 1 Paragraph: Cerebrovascular Arterial Studies

Group 1 Codes:

93880 DUPLEX SCAN OF EXTRACRANIAL ARTERIES; COMPLETE BILATERAL STUDY 93882 DUPLEX SCAN OF EXTRACRANIAL ARTERIES; UNILATERAL OR LIMITED STUDY

Group 2 Paragraph: Transcranial Doppler Studies

Group 2 Codes:

93886 TRANSCRANIAL DOPPLER STUDY OF THE INTRACRANIAL ARTERIES; COMPLETE STUDY

- 93888 TRANSCRANIAL DOPPLER STUDY OF THE INTRACRANIAL ARTERIES; LIMITED STUDY
- 93890 TRANSCRANIAL DOPPLER STUDY OF THE INTRACRANIAL ARTERIES; VASOREACTIVITY STUDY
- 93892 TRANSCRANIAL DOPPLER STUDY OF THE INTRACRANIAL ARTERIES; EMBOLI DETECTION WITHOUT
- INTRAVENOUS MICROBUBBLE INJECTION
- 93893 TRANSCRANIAL DOPPLER STUDY OF THE INTRACRANIAL ARTERIES; EMBOLI DETECTION WITH INTRAVENOUS MICROBUBBLE INJECTION

Group 3 Paragraph: Extremity Arterial Studies

Group 3 Codes:

LIMITED BILATERAL NONINVASIVE PHYSIOLOGIC STUDIES OF UPPER OR LOWER EXTREMITY ARTERIES, (EG, FOR LOWER EXTREMITY: ANKLE/BRACHIAL INDICES AT DISTAL POSTERIOR TIBIAL AND ANTERIOR TIBIAL/DORSALIS PEDIS ARTERIES PLUS BIDIRECTIONAL, DOPPLER WAVEFORM RECORDING AND

- 93922 ANALYSIS AT 1-2 LEVELS, OR ANKLE/BRACHIAL INDICES AT DISTAL POSTERIOR TIBIAL AND ANTERIOR TIBIAL/DORSALIS PEDIS ARTERIES PLUS VOLUME PLETHYSMOGRAPHY AT 1-2 LEVELS, OR ANKLE/BRACHIAL INDICES AT DISTAL POSTERIOR TIBIAL AND ANTERIOR TIBIAL/DORSALIS PEDIS ARTERIES WITH, TRANSCUTANEOUS OXYGEN TENSION MEASUREMENT AT 1-2 LEVELS) COMPLETE BILATERAL NONINVASIVE PHYSIOLOGIC STUDIES OF UPPER OR LOWER EXTREMITY ARTERIES, 3 OR MORE LEVELS (EG, FOR LOWER EXTREMITY: ANKLE/BRACHIAL INDICES AT DISTAL POSTERIOR TIBIAL AND ANTERIOR TIBIAL/DORSALIS PEDIS ARTERIES PLUS SEGMENTAL BLOOD PRESSURE MEASUREMENTS WITH BIDIRECTIONAL DOPPLER WAVEFORM RECORDING AND ANALYSIS, AT 3 OR MORE LEVELS, OR ANKLE/BRACHIAL INDICES AT DISTAL POSTERIOR TIBIAL AND ANTERIOR
- 93923 TIBIAL/DORSALIS PEDIS ARTERIES PLUS SEGMENTAL VOLUME PLETHYSMOGRAPHY AT 3 OR MORE LEVELS, OR ANKLE/BRACHIAL INDICES AT DISTAL POSTERIOR TIBIAL AND ANTERIOR TIBIAL/DORSALIS PEDIS ARTERIES PLUS SEGMENTAL TRANSCUTANEOUS OXYGEN TENSION MEASUREMENTS AT 3 OR MORE LEVELS), OR SINGLE LEVEL STUDY WITH PROVOCATIVE FUNCTIONAL MANEUVERS (EG, MEASUREMENTS WITH POSTURAL PROVOCATIVE TESTS, OR MEASUREMENTS WITH REACTIVE HYPEREMIA)

NONINVASIVE PHYSIOLOGIC STUDIES OF LOWER EXTREMITY ARTERIES, AT REST AND FOLLOWING TREADMILL STRESS TESTING, (IE, BIDIRECTIONAL DOPPLER WAVEFORM OR VOLUME

- 93924 PLETHYSMOGRAPHY RECORDING AND ANALYSIS AT REST WITH ANKLE/BRACHIAL INDICES IMMEDIATELY AFTER AND AT TIMED INTERVALS FOLLOWING PERFORMANCE OF A STANDARDIZED PROTOCOL ON A MOTORIZED TREADMILL PLUS RECORDING OF TIME OF ONSET OF CLAUDICATION OR OTHER SYMPTOMS, MAXIMAL WALKING TIME, AND TIME TO RECOVERY) COMPLETE BILATERAL STUDY
- 93925 DUPLEX SCAN OF LOWER EXTREMITY ARTERIES OR ARTERIAL BYPASS GRAFTS; COMPLETE BILATERAL STUDY

93926 DUPLEX SCAN OF LOWER EXTREMITY ARTERIES OR ARTERIAL BYPASS GRAFTS; UNILATERAL OR LIMITED STUDY

93930 DUPLEX SCAN OF UPPER EXTREMITY ARTERIES OR ARTERIAL BYPASS GRAFTS; COMPLETE BILATERAL STUDY

 $^{93931}_{\rm STUDY}$ Scan of upper extremity arteries or arterial bypass grafts; unilateral or limited study

Group 4 Paragraph: Extremity Venous Studies

Note: CPT code 93965 is effective through 12/31/2016 but has been deleted from this list for the 2017 HCPCS update.

Group 4 Codes:

93970 DUPLEX SCAN OF EXTREMITY VEINS INCLUDING RESPONSES TO COMPRESSION AND OTHER MANEUVERS; COMPLETE BILATERAL STUDY

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93971 DUPLEX SCAN OF EXTREMITY VEINS INCLUDING RESPONSES TO COMPRESSION AND OTHER MANEUVERS; UNILATERAL OR LIMITED STUDY

Group 5 Paragraph: Visceral Vascular Studies

Group 5 Codes:

- 93975 DUPLEX SCAN OF ARTERIAL INFLOW AND VENOUS OUTFLOW OF ABDOMINAL, PELVIC, SCROTAL CONTENTS AND/OR RETROPERITONEAL ORGANS; COMPLETE STUDY
- 93976 DUPLEX SCAN OF ARTERIAL INFLOW AND VENOUS OUTFLOW OF ABDOMINAL, PELVIC, SCROTAL CONTENTS AND/OR RETROPERITONEAL ORGANS; LIMITED STUDY
- 93978 DUPLEX SCAN OF AORTA, INFERIOR VENA CAVA, ILIAC VASCULATURE, OR BYPASS GRAFTS; COMPLETE STUDY

93979 DUPLEX SCAN OF AORTA, INFERIOR VENA CAVA, ILIAC VASCULATURE, OR BYPASS GRAFTS; UNILATERAL OR LIMITED STUDY

Group 6 Paragraph: Hemodialysis Access Studies

Group 6 Codes:

- DUPLEX SCAN OF EXTREMITY VEINS INCLUDING RESPONSES TO COMPRESSION AND OTHER 93970 MANEUVERS; COMPLETE BILATERAL STUDY
- DUPLEX SCAN OF EXTREMITY VEINS INCLUDING RESPONSES TO COMPRESSION AND OTHER 93971 MANEUVERS; UNILATERAL OR LIMITED STUDY
- 93990 DUPLEX SCAN OF HEMODIALYSIS ACCESS (INCLUDING ARTERIAL INFLOW, BODY OF ACCESS AND VENOUS OUTFLOW)

VESSEL MAPPING OF VESSELS FOR HEMODIALYSIS ACCESS (SERVICES FOR PREOPERATIVE VESSEL G0365 MAPPING PRIOR TO CREATION OF HEMODIALYSIS ACCESS USING AN AUTOGENOUS HEMODIALYSIS

CONDUIT, INCLUDING ARTERIAL INFLOW AND VENOUS OUTFLOW)

ICD-10 Codes that Support Medical Necessity

Group 1 Paragraph: The correct use of an ICD-10-CM code listed below does not assure coverage of a service. The service must be reasonable and necessary in the specific case and must meet the criteria specified in this determination.

Cerebrovascular Evaluation (93880, 93882)

Use ICD-10-CM code R22.1 to report a pulsatile neck mass. Use ICD-10-CM code R09.89 to report a carotid bruit. Use ICD-10-CM code M54.2 to report suspicion of carotid artery dissection

Group 1 Codes: **ICD-10 Codes** G45.0 Vertebro-basilar artery syndrome G45.1 Carotid artery syndrome (hemispheric) G45.2 Multiple and bilateral precerebral artery syndromes G45.3 Amaurosis fugax G45.4 Transient global amnesia Other transient cerebral ischemic attacks and related syndromes G45.8 G45.9 Transient cerebral ischemic attack, unspecified G46.0 Middle cerebral artery syndrome G46.1 Anterior cerebral artery syndrome G46.2 Posterior cerebral artery syndrome Flaccid hemiplegia affecting right dominant side G81.01 G81.02 Flaccid hemiplegia affecting left dominant side G81.03 Flaccid hemiplegia affecting right nondominant side G81.04 Flaccid hemiplegia affecting left nondominant side

- Spastic hemiplegia affecting right dominant side G81.11
- G81.12 Spastic hemiplegia affecting left dominant side
- G81.13 Spastic hemiplegia affecting right nondominant side

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Description

ICD-10 Codes	Description
G81.14	Spastic hemiplegia affecting left nondominant side
G82.21	Paraplegia, complete
G82.22	Paraplegia, incomplete
G82.51	Quadriplegia, C1-C4 complete
G82.52	Quadriplegia, C1-C4 incomplete
G82.53	Quadriplegia, C5-C7 complete
G82.54	Quadriplegia, C5-C7 incomplete
G83.0	Diplegia of upper limbs
G83.11	Monoplegia of lower limb affecting right dominant side
G83.12	Monoplegia of lower limb affecting left dominant side
G83.13	Monoplegia of lower limb affecting right nondominant side
G83.14	Monoplegia of lower limb affecting left nondominant side
G83.21	Monoplegia of upper limb affecting right dominant side
G83.22	Monoplegia of upper limb affecting left dominant side
G83.23	Monoplegia of upper limb affecting right nondominant side
G83.24	Monoplegia of upper limb affecting left nondominant side
G83.31	Monoplegia, unspecified affecting right dominant side
G83.32	Monoplegia, unspecified affecting left dominant side
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
<u>H34.211 -</u> H34.213	Partial retinal artery occlusion, right eye - Partial retinal artery occlusion, bilateral
<u>H34.231 -</u> H34.233	Retinal artery branch occlusion, right eye - Retinal artery branch occlusion, bilateral
<u>H34.8110 -</u> <u>H34.8112</u>	Central retinal vein occlusion, right eye, with macular edema - Central retinal vein occlusion, right eye, stable
<u>H34.8120 -</u> H34.8122	Central retinal vein occlusion, left eye, with macular edema - Central retinal vein occlusion, left eye, stable
<u>H34.8130 -</u> H34.8132	Central retinal vein occlusion, bilateral, with macular edema - Central retinal vein occlusion, bilateral, stable
H34.821	Venous engorgement, right eye
H34.822	Venous engorgement, left eye
H34.823	Venous engorgement, bilateral
<u>H34.8310 -</u> H34.8312	Tributary (branch) retinal vein occlusion, right eye, with macular edema - Tributary (branch) retinal vein occlusion, right eye, stable
<u>H34.8320 -</u> H34.8322	Tributary (branch) retinal vein occlusion, left eye, with macular edema - Tributary (branch) retinal vein occlusion, left eye, stable
<u>H34.8330 -</u> <u>H34.8332</u>	Tributary (branch) retinal vein occlusion, bilateral, with macular edema - Tributary (branch) retinal vein occlusion, bilateral, stable
H35.82	Retinal ischemia
H53.11	Day blindness
<u>H53.121 -</u> <u>H53.123</u>	Transient visual loss, right eye - Transient visual loss, bilateral
<u>H53.131 -</u> <u>H53.133</u>	Sudden visual loss, right eye - Sudden visual loss, bilateral
H53.2	Diplopia
<u>H53.411 -</u> <u>H53.413</u> H53.421 -	Scotoma involving central area, right eye - Scotoma involving central area, bilateral
H53.421 - H53.423 H53.431 -	Scotoma of blind spot area, right eye - Scotoma of blind spot area, bilateral
<u>H53.431 -</u> <u>H53.433</u>	Sector or arcuate defects, right eye - Sector or arcuate defects, bilateral
H53.451	Other localized visual field defect, right eye
H53.452	Other localized visual field defect, left eye
H53.453	Other localized visual field defect, bilateral
H53.461	Homonymous bilateral field defects, right side

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ICD-10 Codes	Description
H53.462	Homonymous bilateral field defects, left side
H53.47	Heteronymous bilateral field defects
H53.481	Generalized contraction of visual field, right eye
H53.482	Generalized contraction of visual field, left eye
H53.483	Generalized contraction of visual field, bilateral
H53.8	Other visual disturbances
H53.9	Unspecified visual disturbance
H59.211	Accidental puncture and laceration of right eye and adnexa during an ophthalmic procedure
H59.212	Accidental puncture and laceration of left eye and adnexa during an ophthalmic procedure
H59.213	Accidental puncture and laceration of eye and adnexa during an ophthalmic procedure, bilateral
H59.221	Accidental puncture and laceration of right eye and adnexa during other procedure
H59.222	Accidental puncture and laceration of left eye and adnexa during other procedure
H59.223	Accidental puncture and laceration of eye and adnexa during other procedure, bilateral
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
I63.111	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
I63.20	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries
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
I63.311	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
I63.6	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic
I63.8	Other cerebral infarction
I63.9	Cerebral infarction, unspecified
I65.01	Occlusion and stenosis of right vertebral artery
I65.02	Occlusion and stenosis of left vertebral artery
I65.03	Occlusion and stenosis of bilateral vertebral arteries
I65.1	Occlusion and stenosis of basilar artery
I65.21	Occlusion and stenosis of right carotid artery
I65.22	Occlusion and stenosis of left carotid artery
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Description I65.23 Occlusion and stenosis of bilateral carotid arteries 165.29 Occlusion and stenosis of unspecified carotid artery Occlusion and stenosis of other precerebral arteries I65.8 I66.01 Occlusion and stenosis of right middle cerebral artery Occlusion and stenosis of left middle cerebral artery I66.02 I66.03 Occlusion and stenosis of bilateral middle cerebral arteries I66.11 Occlusion and stenosis of right anterior cerebral artery I66.12 Occlusion and stenosis of left anterior cerebral artery I66.13 Occlusion and stenosis of bilateral anterior cerebral arteries I66.21 Occlusion and stenosis of right posterior cerebral artery I66.22 Occlusion and stenosis of left posterior cerebral artery Occlusion and stenosis of bilateral posterior cerebral arteries I66.23 166.3 Occlusion and stenosis of cerebellar arteries I66.8 Occlusion and stenosis of other cerebral arteries Dissection of cerebral arteries, nonruptured I67.0 I67.841 Reversible cerebrovascular vasoconstriction syndrome I67.848 Other cerebrovascular vasospasm and vasoconstriction Aneurysm of carotid artery I72.0 I72.5 Aneurysm of other precerebral arteries I72.6 Aneurysm of vertebral artery Aneurysm of other specified arteries I72.8 Atheroembolism of other site 175.89 177.70 Dissection of unspecified artery I77.71 Dissection of carotid artery Dissection of vertebral artery 177.74 I77.75 Dissection of other precerebral arteries 177.79 Dissection of other specified artery Intraoperative cerebrovascular infarction during cardiac surgery I97.810 Intraoperative cerebrovascular infarction during other surgery I97.811 Postprocedural cerebrovascular infarction following cardiac surgery I97.820 I97.821 Postprocedural cerebrovascular infarction following other surgery M31.6 Other giant cell arteritis M54.2 Cervicalgia R09.89 Other specified symptoms and signs involving the circulatory and respiratory systems R20.0 Anesthesia of skin R20.1 Hypoesthesia of skin R20.2 Paresthesia of skin R20.3 Hyperesthesia Other disturbances of skin sensation R20.8 R22.0 Localized swelling, mass and lump, head Localized swelling, mass and lump, neck R22.1 R26.0 Ataxic gait Paralytic gait R26.1 Unsteadiness on feet R26.81 R26.89 Other abnormalities of gait and mobility R27.8 Other lack of coordination R29.5 Transient paralysis R29.810 Facial weakness Dizziness and giddiness R42 R47.01 Aphasia R47.02 Dysphasia Dysarthria and anarthria R47.1 R47.81 Slurred speech R47.82 Fluency disorder in conditions classified elsewhere Other speech disturbances R47.89 R55 Syncope and collapse R90.0 Intracranial space-occupying lesion found on diagnostic imaging of central nervous system Minor laceration of right carotid artery, initial encounter S15.011A

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ICD-10 Codes

ICD-10 Codes	Description
S15.011D	Minor laceration of right carotid artery, subsequent encounter
S15.011S	Minor laceration of right carotid artery, sequela
S15.012A	Minor laceration of left carotid artery, initial encounter
S15.012D	Minor laceration of left carotid artery, subsequent encounter
S15.012S	Minor laceration of left carotid artery, sequela
S15.021A	Major laceration of right carotid artery, initial encounter
S15.021D	Major laceration of right carotid artery, subsequent encounter
S15.021S	Major laceration of right carotid artery, sequela
S15.022A	Major laceration of left carotid artery, initial encounter
S15.022D	Major laceration of left carotid artery, subsequent encounter
S15.022S	Major laceration of left carotid artery, sequela
S15.091A	Other specified injury of right carotid artery, initial encounter
S15.091D	Other specified injury of right carotid artery, subsequent encounter
S15.091S	Other specified injury of right carotid artery, sequela
S15.092A	Other specified injury of left carotid artery, initial encounter
S15.092D	Other specified injury of left carotid artery, subsequent encounter
S15.092S	Other specified injury of left carotid artery, sequela
S25.111A	Minor laceration of right innominate or subclavian artery, initial encounter
S25.111D	Minor laceration of right innominate or subclavian artery, subsequent encounter
S25.111S	Minor laceration of right innominate or subclavian artery, sequela
S25.112A	Minor laceration of left innominate or subclavian artery, initial encounter
S25.112D	Minor laceration of left innominate or subclavian artery, subsequent encounter
S25.112S	Minor laceration of left innominate or subclavian artery, sequela
S25.121A	Major laceration of right innominate or subclavian artery, initial encounter
S25.121D	Major laceration of right innominate or subclavian artery, subsequent encounter
S25.121S	Major laceration of right innominate or subclavian artery, sequela
S25.122A	Major laceration of left innominate or subclavian artery, initial encounter
S25.122D	Major laceration of left innominate or subclavian artery, subsequent encounter
S25.122S	Major laceration of left innominate or subclavian artery, sequela
S25.191A	Other specified injury of right innominate or subclavian artery, initial encounter
S25.191D	Other specified injury of right innominate or subclavian artery, subsequent encounter
S25.191S	Other specified injury of right innominate or subclavian artery, sequela
S25.192A	Other specified injury of left innominate or subclavian artery, initial encounter
S25.192D	Other specified injury of left innominate or subclavian artery, subsequent encounter
S25.192S	Other specified injury of left innominate or subclavian artery, sequela
T82.399A	Other mechanical complication of unspecified vascular grafts, initial encounter
T82.399D	Other mechanical complication of unspecified vascular grafts, subsequent encounter
T82.399S	Other mechanical complication of unspecified vascular grafts, sequela
T82.598A	Other mechanical complication of other cardiac and vascular devices and implants, initial encounter
T82.598D	Other mechanical complication of other cardiac and vascular devices and implants, subsequent encounter
T82.598S	Other mechanical complication of other cardiac and vascular devices and implants, sequela
T82.897A	Other specified complication of cardiac prosthetic devices, implants and grafts, initial encounter
T82.897D	Other specified complication of cardiac prosthetic devices, implants and grafts, subsequent encounter
T82.897S	Other specified complication of cardiac prosthetic devices, implants and grafts, sequela
T82.898A	Other specified complication of vascular prosthetic devices, implants and grafts, initial encounter
T82.898D	Other specified complication of vascular prosthetic devices, implants and grafts, subsequent encounter
T82.898S	Other specified complication of vascular prosthetic devices, implants and grafts, sequela
T82.9XXA	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, initial encounter
T82.9XXD	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, subsequent encounter
T82.9XXS Z09	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, sequela

ICD-10 Codes

Description

	Encounter for follow-up examination after completed treatment for conditions other than malignant neoplasm
Z48.812	Encounter for surgical aftercare following surgery on the circulatory system
Z86.73	Personal history of transient ischemic attack (TIA), and cerebral infarction without residual deficits

Group 2 Paragraph: Transcranial Doppler Studies (93886, 93888, 93890, 93892, 93893)

Group 2 Codes:		
ICD-10 Cod		
D57.01	Hb-SS disease with acute chest syndrome	
D57.02	Hb-SS disease with splenic sequestration	
D57.1	Sickle-cell disease without crisis	
D57.40	Sickle-cell thalassemia without crisis	
D57.411	Sickle-cell thalassemia with acute chest syndrome	
D57.412	Sickle-cell thalassemia with splenic sequestration	
G45.0	Vertebro-basilar artery syndrome	
G45.1	Carotid artery syndrome (hemispheric)	
G45.2	Multiple and bilateral precerebral artery syndromes	
G45.8	Other transient cerebral ischemic attacks and related syndromes	
G46.0	Middle cerebral artery syndrome	
G46.1	Anterior cerebral artery syndrome	
G46.2	Posterior cerebral artery syndrome	
G93.82	Brain death	
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	
I60.2	Nontraumatic subarachnoid hemorrhage from 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 I60.8	Nontraumatic subarachnoid hemorrhage from other intracranial arteries Other nontraumatic subarachnoid hemorrhage	
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	
163.032	Cerebral infarction due to thrombosis of left carotid artery	
I63.09	Cerebral infarction due to thrombosis of other 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	
I63.311	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	

ICD	-10	Codes
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Description

ICD-10 Codes	5 Description
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
I63.6	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic
I63.8	Other cerebral infarction
I63.9	Cerebral infarction, unspecified
I65.01	Occlusion and stenosis of right vertebral artery
I65.02	Occlusion and stenosis of left vertebral artery
I65.03	Occlusion and stenosis of bilateral vertebral arteries
I65.1	Occlusion and stenosis of basilar artery
I65.21	Occlusion and stenosis of right carotid artery
I65.22	Occlusion and stenosis of left carotid artery
I65.23	Occlusion and stenosis of bilateral carotid arteries
I65.29	Occlusion and stenosis of unspecified carotid artery
I65.8	Occlusion and stenosis of other precerebral arteries
I66.01	Occlusion and stenosis of right middle cerebral artery
I66.02	Occlusion and stenosis of left middle cerebral artery
166.03	Occlusion and stenosis of bilateral middle cerebral arteries
I66.11	Occlusion and stenosis of right anterior cerebral artery
I66.12	Occlusion and stenosis of left anterior cerebral artery
I66.13	Occlusion and stenosis of bilateral anterior cerebral arteries
I66.21	Occlusion and stenosis of right posterior cerebral artery
I66.22	Occlusion and stenosis of left posterior cerebral artery
166.23	Occlusion and stenosis of bilateral posterior cerebral arteries
I66.3	Occlusion and stenosis of cerebellar arteries
166.8	Occlusion and stenosis of other cerebral arteries
I67.841	Reversible cerebrovascular vasoconstriction syndrome
167.848	Other cerebrovascular vasospasm and vasoconstriction
Z48.812	Encounter for surgical aftercare following surgery on the circulatory system

Group 3 Paragraph: Extremity Arterial Evaluation (93922, 93923, 93924, 93925, 93926, 93930 and 93931):

Use ICD-10-CM code R10.2 to report groin pain.

Use ICD-10 code R09.89 to report a suspected popliteal artery aneurysm

Group 3 Cod ICD-10 Codes	les: Description
E09.59	Drug or chemical induced diabetes mellitus with other circulatory complications
E10.59	Type 1 diabetes mellitus with other circulatory complications
E11.59	Type 2 diabetes mellitus with other circulatory complications
E13.59	Other specified diabetes mellitus with other circulatory complications
G45.8	Other transient cerebral ischemic attacks and related syndromes
G54.0	Brachial plexus disorders
I70.211	Atherosclerosis of native arteries of extremities with intermittent claudication, right leg
I70.212	Atherosclerosis of native arteries of extremities with intermittent claudication, left leg

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ICD-10 Codes	Description
I70.213	Atherosclerosis of native arteries of extremities with intermittent claudication, bilateral legs
170.218	Atherosclerosis of native arteries of extremities with intermittent claudication, other extremity
170.221	Atherosclerosis of native arteries of extremities with rest pain, right leg
170.222	Atherosclerosis of native arteries of extremities with rest pain, left leg
170.223	Atherosclerosis of native arteries of extremities with rest pain, bilateral legs
170.228	Atherosclerosis of native arteries of extremities with rest pain, other extremity
170.231	Atherosclerosis of native arteries of right leg with ulceration of thigh
170.232	Atherosclerosis of native arteries of right leg with ulceration of calf
170.232	Atherosclerosis of native arteries of right leg with ulceration of ankle
170.234	Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot
170.235	Atherosclerosis of native arteries of right leg with ulceration of other part of foot
170.238	Atherosclerosis of native arteries of right leg with ulceration of other part of lower right leg
170.239	Atherosclerosis of native arteries of right leg with ulceration of unspecified site
I70.241	Atherosclerosis of native arteries of left leg with ulceration of thigh
170.242	Atherosclerosis of native arteries of left leg with ulceration of calf
170.243	Atherosclerosis of native arteries of left leg with ulceration of ankle
170.244	Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot
170.245	Atherosclerosis of native arteries of left leg with ulceration of other part of foot
170.245	Atherosclerosis of native arteries of left leg with ulceration of other part of lower left leg
170.248 170.249	Atherosclerosis of native arteries of left leg with ulceration of unspecified site
170.249 170.25	Atherosclerosis of native arteries of other extremities with ulceration
I70.25 I70.261	Atherosclerosis of native arteries of extremities with gangrene, right leg
170.262	Atherosclerosis of native arteries of extremities with gangrene, left leg
170.263	Atherosclerosis of native arteries of extremities with gangrene, bilateral legs
170.268	Atherosclerosis of native arteries of extremities with gangrene, other extremity
	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication,
I70.411	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication,
I70.412	left leg
I70.413	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, bilateral legs
I70.418	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, other extremity
170.421	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, right leg
170.422	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, left leg
170.423	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, bilateral legs
170.428	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, other extremity
170.431	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of thigh
170.432	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of calf
170.433	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
170.435	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of foot
170.438	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.441	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of thigh
170.442	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of calf
170.443	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of ankle
170.444	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of heel and midfoot
170.445	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of foot
170.448	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of lower leg
170.449	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of unspecified site
I70.45	Atherosclerosis of autologous vein bypass graft(s) of other extremity with ulceration
170.461	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, right leg
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ICD-10 Codes	Description
170.462	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, left leg
170.463	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, bilateral legs
170.468	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, other extremity
I70.491	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, right leg
I70.492	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, left leg
I70.493	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, bilateral legs
I70.498	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, other extremity
I70.501	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, right leg
170.502	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral
170.503	legs Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other
170.508	extremity
I70.511	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, right leg
I70.512	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, left leg
170.513	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, bilateral legs
170.518	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, other extremity
170.521	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, right leg
170.522	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, left leg
170.523	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, bilateral legs
170.528	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, other extremity
I70.531	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of thigh
170.532	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of calf
170.533	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of ankle
170.534	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of heel and midfoot
170.535	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of foot
170.538	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of lower leg
170.539	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of unspecified site
I70.541	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of thigh
I70.542	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of calf
I70.543	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of ankle
170.544	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of heel and midfoot
170.545	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of foot
170.548	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of lower leg
170.549	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of unspecified site
170.55	Atherosclerosis of nonautologous biological bypass graft(s) of other extremity with ulceration
170.561	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, right leg
170.562	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, left leg
170.563	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, bilateral legs
170.568	

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ICD-10 Codes	Description
	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, other extremity
I70.591	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, right leg
170.592	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg
170.593	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs
170.598	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other extremity
170.601	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg
170.602	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
170.603	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs
170.608	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity
170.611	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, right leg
I70.612	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, left leg
I70.613	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, bilateral legs
170.618	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, other extremity
I70.621	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, right leg
170.622	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, left leg
170.623	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, bilateral legs
170.628	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, other extremity
170.631	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of thigh
170.632	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of calf
170.633	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of ankle
170.634	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of heel and midfoot
I70.635	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of foot
170.638	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of lower leg
170.639	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of unspecified site
170.641	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of thigh
170.642	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of calf
I70.643	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of ankle
I70.644 I70.645	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of heel and midfoot
170.645	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of foot
170.648	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of lower leg
170.649	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of unspecified site
170.65	Atherosclerosis of nonbiological bypass graft(s) of other extremity with ulceration
I70.661	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, right leg
I70.662	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, left leg
I70.663	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, bilateral legs
170.668 170.691	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, other extremity
170.691 170.692	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg Other atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
I70.692 I70.693	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs
I70.695	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity
I70.701	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
170.701	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, left leg
170.703	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
170.708	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
170.711	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, right leg
I70.712	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, left leg
I70.713	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, bilateral legs
I70.718	

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ICD-10 Codes	Description
Coucs	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, other extremity
I70.721	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, right leg
170.722	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, light leg
170.723	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, her leg
170.728	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, other extremity
I70.728 I70.731	
I70.732	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of thigh
I70.732 I70.733	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of calf Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of ankle
170.734	
170.734 170.735	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of heel and midfoot
170.735 170.738	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of foot Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of
	lower leg
170.739	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of unspecified site
I70.741	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of thigh
I70.742	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of calf
170.743	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of ankle
I70.744	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.745	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of foot
170.748	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.749	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of unspecified site
I70.75	Atherosclerosis of other type of bypass graft(s) of other extremity with ulceration
I70.761	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, right leg
170.762	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, left leg
170.763	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, bilateral legs
170.768	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, other extremity
I70.791	Other atherosclerosis of other type of bypass graft(s) of the extremities, right leg
170.792	Other atherosclerosis of other type of bypass graft(s) of the extremities, left leg
170.793	Other atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
170.798	Other atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
170.92	Chronic total occlusion of artery of the extremities
I72.1	Aneurysm of artery of upper extremity
I72.4	Aneurysm of artery of lower extremity
172.8	Aneurysm of other specified arteries
173.00	Raynaud's syndrome without gangrene
173.01	Raynaud's syndrome with gangrene
I73.1	Thromboangiitis obliterans [Buerger's disease]
173.89	Other specified peripheral vascular diseases
173.9	Peripheral vascular disease, unspecified
174.2	Embolism and thrombosis of arteries of the upper extremities
174.3	Embolism and thrombosis of arteries of the lower extremities
174.5	Embolism and thrombosis of iliac artery
175.011	Atheroembolism of right upper extremity
175.012	Atheroembolism of left upper extremity
175.013	Atheroembolism of bilateral upper extremities
175.021	Atheroembolism of right lower extremity
175.022	Atheroembolism of left lower extremity
175.023	Atheroembolism of bilateral lower extremities
176	Septic arterial embolism
177.0	Arteriovenous fistula, acquired
177.1	Stricture of artery
177.70	Dissection of unspecified artery
177.72	Dissection of iliac artery
177.76	Dissection of artery of upper extremity
177.77	Dissection of artery of lower extremity
177.79	Dissection of other specified artery
I79.1	Aortitis in diseases classified elsewhere
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ICD-10 Codes	Description
179.8	Other disorders of arteries, arterioles and capillaries in diseases classified elsewhere
179.8 196	Gangrene, not elsewhere classified
	Intraoperative hemorrhage and hematoma of a circulatory system organ or structure complicating
197.410	a cardiac catheterization
I97.610	Postprocedural hemorrhage of a circulatory system organ or structure following a cardiac catheterization
197.611	Postprocedural hemorrhage of a circulatory system organ or structure following cardiac bypass
197.618	Postprocedural hemorrhage of a circulatory system organ or structure following other circulatory system procedure
L97.111	Non-pressure chronic ulcer of right thigh limited to breakdown of skin
L97.112	Non-pressure chronic ulcer of right thigh with fat layer exposed
L97.113	Non-pressure chronic ulcer of right thigh with necrosis of muscle
L97.114	Non-pressure chronic ulcer of right thigh with necrosis of bone
L97.119	Non-pressure chronic ulcer of right thigh with unspecified severity
L97.121	Non-pressure chronic ulcer of left thigh limited to breakdown of skin
L97.122	Non-pressure chronic ulcer of left thigh with fat layer exposed
L97.123	Non-pressure chronic ulcer of left thigh with necrosis of muscle
L97.124	Non-pressure chronic ulcer of left thigh with necrosis of bone
L97.129	Non-pressure chronic ulcer of left thigh with unspecified severity
L97.211	Non-pressure chronic ulcer of right calf limited to breakdown of skin
L97.212	Non-pressure chronic ulcer of right calf with fat layer exposed
L97.213	Non-pressure chronic ulcer of right calf with necrosis of muscle
L97.214	Non-pressure chronic ulcer of right calf with necrosis of bone
L97.219	Non-pressure chronic ulcer of right calf with unspecified severity
L97.221	Non-pressure chronic ulcer of left calf limited to breakdown of skin
L97.222	Non-pressure chronic ulcer of left calf with fat layer exposed
L97.223	Non-pressure chronic ulcer of left calf with necrosis of muscle
L97.224	Non-pressure chronic ulcer of left calf with necrosis of bone
L97.229	Non-pressure chronic ulcer of left calf with unspecified severity
L97.311 L97.312	Non-pressure chronic ulcer of right ankle limited to breakdown of skin Non-pressure chronic ulcer of right ankle with fat layer exposed
L97.312 L97.313	Non-pressure chronic ulcer of right ankle with necrosis of muscle
L97.314	Non-pressure chronic ulcer of right ankle with necrosis of bone
L97.319	Non-pressure chronic ulcer of right ankle with unspecified severity
L97.321	Non-pressure chronic ulcer of left ankle limited to breakdown of skin
L97.322	Non-pressure chronic ulcer of left ankle with fat layer exposed
L97.323	Non-pressure chronic ulcer of left ankle with necrosis of muscle
L97.324	Non-pressure chronic ulcer of left ankle with necrosis of bone
L97.329	Non-pressure chronic ulcer of left ankle with unspecified severity
L97.411	Non-pressure chronic ulcer of right heel and midfoot limited to breakdown of skin
L97.412	Non-pressure chronic ulcer of right heel and midfoot with fat layer exposed
L97.413	Non-pressure chronic ulcer of right heel and midfoot with necrosis of muscle
L97.414	Non-pressure chronic ulcer of right heel and midfoot with necrosis of bone
L97.419	Non-pressure chronic ulcer of right heel and midfoot with unspecified severity
L97.421	Non-pressure chronic ulcer of left heel and midfoot limited to breakdown of skin
L97.422	Non-pressure chronic ulcer of left heel and midfoot with fat layer exposed
L97.423	Non-pressure chronic ulcer of left heel and midfoot with necrosis of muscle
L97.424	Non-pressure chronic ulcer of left heel and midfoot with necrosis of bone
L97.429	Non-pressure chronic ulcer of left heel and midfoot with unspecified severity
L97.511	Non-pressure chronic ulcer of other part of right foot limited to breakdown of skin
L97.512	Non-pressure chronic ulcer of other part of right foot with fat layer exposed
L97.513	Non-pressure chronic ulcer of other part of right foot with necrosis of muscle
L97.514	Non-pressure chronic ulcer of other part of right foot with necrosis of bone
L97.519	Non-pressure chronic ulcer of other part of right foot with unspecified severity
L97.521	Non-pressure chronic ulcer of other part of left foot limited to breakdown of skin
L97.522	Non-pressure chronic ulcer of other part of left foot with fat layer exposed
L97.523	Non-pressure chronic ulcer of other part of left foot with necrosis of muscle
L97.524	Non-pressure chronic ulcer of other part of left foot with necrosis of bone
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Description Codes L97.529 Non-pressure chronic ulcer of other part of left foot with unspecified severity L97.811 Non-pressure chronic ulcer of other part of right lower leg limited to breakdown of skin L97.812 Non-pressure chronic ulcer of other part of right lower leg with fat layer exposed Non-pressure chronic ulcer of other part of right lower leg with necrosis of muscle L97.813 L97.814 Non-pressure chronic ulcer of other part of right lower leg with necrosis of bone Non-pressure chronic ulcer of other part of right lower leg with unspecified severity L97.819 L97.821 Non-pressure chronic ulcer of other part of left lower leg limited to breakdown of skin L97.822 Non-pressure chronic ulcer of other part of left lower leq with fat layer exposed L97.823 Non-pressure chronic ulcer of other part of left lower leq with necrosis of muscle L97.824 Non-pressure chronic ulcer of other part of left lower leg with necrosis of bone L97.829 Non-pressure chronic ulcer of other part of left lower leg with unspecified severity M79.89 Other specified soft tissue disorders Intraoperative hemorrhage and hematoma of a musculoskeletal structure complicating a M96.810 musculoskeletal system procedure Intraoperative hemorrhage and hematoma of a musculoskeletal structure complicating other M96.811 procedure Postprocedural hemorrhage of a musculoskeletal structure following a musculoskeletal system M96.830 procedure Postprocedural hemorrhage of a musculoskeletal structure following other procedure M96.831 R09.89 Other specified symptoms and signs involving the circulatory and respiratory systems R10.2 Pelvic and perineal pain S45.001A Unspecified injury of axillary artery, right side, initial encounter S45.001D Unspecified injury of axillary artery, right side, subsequent encounter Unspecified injury of axillary artery, right side, sequela S45.001S Unspecified injury of axillary artery, left side, initial encounter S45.002A S45.002D Unspecified injury of axillary artery, left side, subsequent encounter S45.002S Unspecified injury of axillary artery, left side, sequela S45.011A Laceration of axillary artery, right side, initial encounter S45.011D Laceration of axillary artery, right side, subsequent encounter Laceration of axillary artery, right side, sequela S45.011S S45.012A Laceration of axillary artery, left side, initial encounter S45.012D Laceration of axillary artery, left side, subsequent encounter Laceration of axillary artery, left side, sequela S45.012S S45.091A Other specified injury of axillary artery, right side, initial encounter Other specified injury of axillary artery, right side, subsequent encounter S45.091D Other specified injury of axillary artery, right side, sequela S45.091S S45.092A Other specified injury of axillary artery, left side, initial encounter Other specified injury of axillary artery, left side, subsequent encounter S45.092D S45.092S Other specified injury of axillary artery, left side, sequela S45.101A Unspecified injury of brachial artery, right side, initial encounter Unspecified injury of brachial artery, right side, subsequent encounter S45.101D S45.101S Unspecified injury of brachial artery, right side, sequela S45.102A Unspecified injury of brachial artery, left side, initial encounter S45.102D Unspecified injury of brachial artery, left side, subsequent encounter S45.102S Unspecified injury of brachial artery, left side, sequela Laceration of brachial artery, right side, initial encounter S45.111A S45.111D Laceration of brachial artery, right side, subsequent encounter Laceration of brachial artery, right side, sequela S45.111S Laceration of brachial artery, left side, initial encounter S45.112A S45.112D Laceration of brachial artery, left side, subsequent encounter S45.112S Laceration of brachial artery, left side, sequela Other specified injury of brachial artery, right side, initial encounter S45.191A Other specified injury of brachial artery, right side, subsequent encounter S45.191D Other specified injury of brachial artery, right side, sequela S45.191S S45.192A Other specified injury of brachial artery, left side, initial encounter S45.192D Other specified injury of brachial artery, left side, subsequent encounter S45.192S Other specified injury of brachial artery, left side, sequela

S45.201A Unspecified injury of axillary or brachial vein, right side, initial encounter

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ICD-10 Codes	Description
S45.201D	Unspecified injury of axillary or brachial vein, right side, subsequent encounter
S45.201S	Unspecified injury of axillary or brachial vein, right side, sequela
S45.202A	Unspecified injury of axillary or brachial vein, left side, initial encounter
S45.202D	Unspecified injury of axillary or brachial vein, left side, subsequent encounter
S45.202S	Unspecified injury of axillary or brachial vein, left side, sequela
S45.211A	Laceration of axillary or brachial vein, right side, initial encounter
S45.211D	Laceration of axillary or brachial vein, right side, subsequent encounter
S45.211S	Laceration of axillary or brachial vein, right side, sequela
S45.212A	Laceration of axillary or brachial vein, left side, initial encounter
S45.212D	Laceration of axillary or brachial vein, left side, subsequent encounter
S45.212S	Laceration of axillary or brachial vein, left side, sequela
S45.291A	Other specified injury of axillary or brachial vein, right side, initial encounter
S45.291D	Other specified injury of axillary or brachial vein, right side, subsequent encounter
S45.291S S45.292A	Other specified injury of axillary or brachial vein, right side, sequela
S45.292A S45.292D	Other specified injury of axillary or brachial vein, left side, initial encounter Other specified injury of axillary or brachial vein, left side, subsequent encounter
S45.292D	Other specified injury of axillary or brachial vein, left side, subsequent encounter
S45.301A	Unspecified injury of superficial vein at shoulder and upper arm level, right arm, initial encounter
S45.301D	Unspecified injury of superficial vein at shoulder and upper arm level, right arm, subsequent encounter
S45.301S	Unspecified injury of superficial vein at shoulder and upper arm level, right arm, sequela
S45.302A	Unspecified injury of superficial vein at shoulder and upper arm level, left arm, initial encounter
S45.302D	Unspecified injury of superficial vein at shoulder and upper arm level, left arm, subsequent encounter
S45.302S	Unspecified injury of superficial vein at shoulder and upper arm level, left arm, sequela
S45.311A	Laceration of superficial vein at shoulder and upper arm level, right arm, initial encounter
S45.311D	Laceration of superficial vein at shoulder and upper arm level, right arm, subsequent encounter
S45.311S	Laceration of superficial vein at shoulder and upper arm level, right arm, sequela
S45.312A	Laceration of superficial vein at shoulder and upper arm level, left arm, initial encounter
S45.312D	Laceration of superficial vein at shoulder and upper arm level, left arm, subsequent encounter
S45.312S	Laceration of superficial vein at shoulder and upper arm level, left arm, sequela
S45.391A	Other specified injury of superficial vein at shoulder and upper arm level, right arm, initial encounter
S45.391D	Other specified injury of superficial vein at shoulder and upper arm level, right arm, subsequent encounter
S45.391S S45.392A	Other specified injury of superficial vein at shoulder and upper arm level, right arm, sequela Other specified injury of superficial vein at shoulder and upper arm level, left arm, initial encounter
	Other specified injury of superficial vein at shoulder and upper arm level, left arm, subsequent
S45.392D	encounter
S45.392S	Other specified injury of superficial vein at shoulder and upper arm level, left arm, sequela
S45.801A	Unspecified injury of other specified blood vessels at shoulder and upper arm level, right arm, initial encounter
S45.801D	Unspecified injury of other specified blood vessels at shoulder and upper arm level, right arm, subsequent encounter
S45.801S	Unspecified injury of other specified blood vessels at shoulder and upper arm level, right arm, sequela Unspecified injury of other specified blood vessels at shoulder and upper arm level, left arm, initial
S45.802A	encounter Unspecified injury of other specified blood vessels at shoulder and upper arm level, left arm,
S45.802D	subsequent encounter Unspecified injury of other specified blood vessels at shoulder and upper arm level, left arm,
S45.802S	sequela Laceration of other specified blood vessels at shoulder and upper arm level, right arm, initial
S45.811A	encounter Laceration of other specified blood vessels at shoulder and upper arm level, right arm, subsequent
S45.811D	encounter
S45.811S	Laceration of other specified blood vessels at shoulder and upper arm level, right arm, sequela Laceration of other specified blood vessels at shoulder and upper arm level, left arm, initial
S45.812A	encounter

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ICD-10 Codes	Description
S45.812D	Laceration of other specified blood vessels at shoulder and upper arm level, left arm, subsequent encounter
S45.812S	Laceration of other specified blood vessels at shoulder and upper arm level, left arm, sequela
S45.891A	Other specified injury of other specified blood vessels at shoulder and upper arm level, right arm, initial encounter
S45.891D	Other specified injury of other specified blood vessels at shoulder and upper arm level, right arm, subsequent encounter
S45.891S	Other specified injury of other specified blood vessels at shoulder and upper arm level, right arm, sequela
S45.892A	Other specified injury of other specified blood vessels at shoulder and upper arm level, left arm, initial encounter
S45.892D	Other specified injury of other specified blood vessels at shoulder and upper arm level, left arm, subsequent encounter
S45.892S	Other specified injury of other specified blood vessels at shoulder and upper arm level, left arm, sequela
S45.901A	Unspecified injury of unspecified blood vessel at shoulder and upper arm level, right arm, initial encounter
S45.901D	Unspecified injury of unspecified blood vessel at shoulder and upper arm level, right arm, subsequent encounter
S45.901S	Unspecified injury of unspecified blood vessel at shoulder and upper arm level, right arm, sequela
S45.902A	Unspecified injury of unspecified blood vessel at shoulder and upper arm level, left arm, initial encounter
S45.902D	Unspecified injury of unspecified blood vessel at shoulder and upper arm level, left arm, subsequent encounter
S45.902S	Unspecified injury of unspecified blood vessel at shoulder and upper arm level, left arm, sequela
S45.911A	Laceration of unspecified blood vessel at shoulder and upper arm level, right arm, initial encounter
S45.911D	Laceration of unspecified blood vessel at shoulder and upper arm level, right arm, subsequent encounter
S45.911S	Laceration of unspecified blood vessel at shoulder and upper arm level, right arm, sequela
S45.912A	Laceration of unspecified blood vessel at shoulder and upper arm level, left arm, initial encounter
S45.912D	Laceration of unspecified blood vessel at shoulder and upper arm level, left arm, subsequent encounter
S45.912S	Laceration of unspecified blood vessel at shoulder and upper arm level, left arm, sequela
S45.991A	Other specified injury of unspecified blood vessel at shoulder and upper arm level, right arm, initial encounter
S45.991D	Other specified injury of unspecified blood vessel at shoulder and upper arm level, right arm, subsequent encounter
S45.991S	Other specified injury of unspecified blood vessel at shoulder and upper arm level, right arm, sequela
S45.992A	Other specified injury of unspecified blood vessel at shoulder and upper arm level, left arm, initial encounter
S45.992D	Other specified injury of unspecified blood vessel at shoulder and upper arm level, left arm, subsequent encounter
S45.992S	Other specified injury of unspecified blood vessel at shoulder and upper arm level, left arm, sequela
S55.001A	Unspecified injury of ulnar artery at forearm level, right arm, initial encounter
S55.001D	Unspecified injury of ulnar artery at forearm level, right arm, subsequent encounter
S55.001S	Unspecified injury of ulnar artery at forearm level, right arm, sequela
S55.002A	Unspecified injury of ulnar artery at forearm level, left arm, initial encounter
S55.002D	Unspecified injury of ulnar artery at forearm level, left arm, subsequent encounter
S55.002S	Unspecified injury of ulnar artery at forearm level, left arm, sequela
S55.011A	Laceration of ulnar artery at forearm level, right arm, initial encounter
S55.011D S55.011S	Laceration of ulnar artery at forearm level, right arm, subsequent encounter Laceration of ulnar artery at forearm level, right arm, sequela
S55.011S	Laceration of ulnar artery at forearm level, left arm, initial encounter
S55.012A	Laceration of ulnar artery at forearm level, left arm, subsequent encounter
S55.012D	Laceration of ulnar artery at forearm level, left arm, subsequent encounter
S55.091A	Other specified injury of ulnar artery at forearm level, right arm, initial encounter
S55.091D	Other specified injury of ulnar artery at forearm level, right arm, subsequent encounter
S55.091S	Other specified injury of ulnar artery at forearm level, right arm, sequela
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ICD-10 Codes

Description

S55.092A Other specified injury of ulnar artery at forearm level, left arm, initial encounter S55.092D Other specified injury of ulnar artery at forearm level, left arm, subsequent encounter S55.092S Other specified injury of ulnar artery at forearm level, left arm, sequela Unspecified injury of radial artery at forearm level, right arm, initial encounter S55.101A S55.101D Unspecified injury of radial artery at forearm level, right arm, subsequent encounter S55.101S Unspecified injury of radial artery at forearm level, right arm, sequela S55.102A Unspecified injury of radial artery at forearm level, left arm, initial encounter S55.102D Unspecified injury of radial artery at forearm level, left arm, subsequent encounter S55.102S Unspecified injury of radial artery at forearm level, left arm, sequela S55.111A Laceration of radial artery at forearm level, right arm, initial encounter S55.111D Laceration of radial artery at forearm level, right arm, subsequent encounter S55.111S Laceration of radial artery at forearm level, right arm, sequela Laceration of radial artery at forearm level, left arm, initial encounter S55.112A S55.112D Laceration of radial artery at forearm level, left arm, subsequent encounter S55.112S Laceration of radial artery at forearm level, left arm, sequela S55.191A Other specified injury of radial artery at forearm level, right arm, initial encounter S55.191D Other specified injury of radial artery at forearm level, right arm, subsequent encounter S55.191S Other specified injury of radial artery at forearm level, right arm, sequela Other specified injury of radial artery at forearm level, left arm, initial encounter S55.192A S55.192D Other specified injury of radial artery at forearm level, left arm, subsequent encounter S55.192S Other specified injury of radial artery at forearm level, left arm, sequela S55.211A Laceration of vein at forearm level, right arm, initial encounter S55.211D Laceration of vein at forearm level, right arm, subsequent encounter S55.211S Laceration of vein at forearm level, right arm, sequela S55.212A Laceration of vein at forearm level, left arm, initial encounter S55.212D Laceration of vein at forearm level, left arm, subsequent encounter Laceration of vein at forearm level, left arm, sequela S55.212S S55.291A Other specified injury of vein at forearm level, right arm, initial encounter S55.291D Other specified injury of vein at forearm level, right arm, subsequent encounter S55.291S Other specified injury of vein at forearm level, right arm, sequela S55.292A Other specified injury of vein at forearm level, left arm, initial encounter S55.292D Other specified injury of vein at forearm level, left arm, subsequent encounter S55.292S Other specified injury of vein at forearm level, left arm, sequela S55.801A Unspecified injury of other blood vessels at forearm level, right arm, initial encounter S55.801D Unspecified injury of other blood vessels at forearm level, right arm, subsequent encounter S55.801S Unspecified injury of other blood vessels at forearm level, right arm, sequela S55.802A Unspecified injury of other blood vessels at forearm level, left arm, initial encounter S55.802D Unspecified injury of other blood vessels at forearm level, left arm, subsequent encounter S55.802S Unspecified injury of other blood vessels at forearm level, left arm, sequela S55.811A Laceration of other blood vessels at forearm level, right arm, initial encounter S55.811D Laceration of other blood vessels at forearm level, right arm, subsequent encounter Laceration of other blood vessels at forearm level, right arm, sequela S55.811S S55.812A Laceration of other blood vessels at forearm level, left arm, initial encounter S55.812D Laceration of other blood vessels at forearm level, left arm, subsequent encounter S55.812S Laceration of other blood vessels at forearm level, left arm, sequela S55.891A Other specified injury of other blood vessels at forearm level, right arm, initial encounter Other specified injury of other blood vessels at forearm level, right arm, subsequent encounter S55.891D S55.891S Other specified injury of other blood vessels at forearm level, right arm, sequela Other specified injury of other blood vessels at forearm level, left arm, initial encounter S55.892A S55.892D Other specified injury of other blood vessels at forearm level, left arm, subsequent encounter S55.892S Other specified injury of other blood vessels at forearm level, left arm, sequela S55.901A Unspecified injury of unspecified blood vessel at forearm level, right arm, initial encounter S55.901D Unspecified injury of unspecified blood vessel at forearm level, right arm, subsequent encounter S55.901S Unspecified injury of unspecified blood vessel at forearm level, right arm, sequela S55.902A Unspecified injury of unspecified blood vessel at forearm level, left arm, initial encounter Unspecified injury of unspecified blood vessel at forearm level, left arm, subsequent encounter S55.902D Unspecified injury of unspecified blood vessel at forearm level, left arm, sequela S55.902S S55.911A Laceration of unspecified blood vessel at forearm level, right arm, initial encounter Printed on 12/9/2016. 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ICD-10 Description Codes S55.911D Laceration of unspecified blood vessel at forearm level, right arm, subsequent encounter S55.911S Laceration of unspecified blood vessel at forearm level, right arm, sequela S55.912A Laceration of unspecified blood vessel at forearm level, left arm, initial encounter S55.912D Laceration of unspecified blood vessel at forearm level, left arm, subsequent encounter S55.912S Laceration of unspecified blood vessel at forearm level, left arm, sequela S55.991A Other specified injury of unspecified blood vessel at forearm level, right arm, initial encounter Other specified injury of unspecified blood vessel at forearm level, right arm, subsequent S55.991D encounter S55.991S Other specified injury of unspecified blood vessel at forearm level, right arm, sequela Other specified injury of unspecified blood vessel at forearm level, left arm, initial encounter S55.992A S55.992D Other specified injury of unspecified blood vessel at forearm level, left arm, subsequent encounter S55.992S Other specified injury of unspecified blood vessel at forearm level, left arm, sequela S65.001A Unspecified injury of ulnar artery at wrist and hand level of right arm, initial encounter Unspecified injury of ulnar artery at wrist and hand level of right arm, subsequent encounter S65.001D S65.001S Unspecified injury of ulnar artery at wrist and hand level of right arm, sequela S65.002A Unspecified injury of ulnar artery at wrist and hand level of left arm, initial encounter Unspecified injury of ulnar artery at wrist and hand level of left arm, subsequent encounter S65.002D Unspecified injury of ulnar artery at wrist and hand level of left arm, sequela S65.002S Laceration of ulnar artery at wrist and hand level of right arm, initial encounter S65.011A S65.011D Laceration of ulnar artery at wrist and hand level of right arm, subsequent encounter S65.011S Laceration of ulnar artery at wrist and hand level of right arm, sequela Laceration of ulnar artery at wrist and hand level of left arm, initial encounter S65.012A Laceration of ulnar artery at wrist and hand level of left arm, subsequent encounter S65.012D Laceration of ulnar artery at wrist and hand level of left arm, sequela S65.012S Other specified injury of ulnar artery at wrist and hand level of right arm, initial encounter S65.091A S65.091D Other specified injury of ulnar artery at wrist and hand level of right arm, subsequent encounter Other specified injury of ulnar artery at wrist and hand level of right arm, sequela S65.091S S65.092A Other specified injury of ulnar artery at wrist and hand level of left arm, initial encounter S65.092D Other specified injury of ulnar artery at wrist and hand level of left arm, subsequent encounter Other specified injury of ulnar artery at wrist and hand level of left arm, sequela S65.092S S65.101A Unspecified injury of radial artery at wrist and hand level of right arm, initial encounter S65.101D Unspecified injury of radial artery at wrist and hand level of right arm, subsequent encounter S65.101S Unspecified injury of radial artery at wrist and hand level of right arm, sequela S65.102A Unspecified injury of radial artery at wrist and hand level of left arm, initial encounter S65.102D Unspecified injury of radial artery at wrist and hand level of left arm, subsequent encounter S65.102S Unspecified injury of radial artery at wrist and hand level of left arm, sequela Laceration of radial artery at wrist and hand level of right arm, initial encounter S65.111A S65.111D Laceration of radial artery at wrist and hand level of right arm, subsequent encounter S65.111S Laceration of radial artery at wrist and hand level of right arm, sequela S65.112A Laceration of radial artery at wrist and hand level of left arm, initial encounter S65.112D Laceration of radial artery at wrist and hand level of left arm, subsequent encounter S65.112S Laceration of radial artery at wrist and hand level of left arm, sequela Other specified injury of radial artery at wrist and hand level of right arm, initial encounter S65.191A S65.191D Other specified injury of radial artery at wrist and hand level of right arm, subsequent encounter S65.191S Other specified injury of radial artery at wrist and hand level of right arm, sequela S65.192A Other specified injury of radial artery at wrist and hand level of left arm, initial encounter S65.192D Other specified injury of radial artery at wrist and hand level of left arm, subsequent encounter S65.192S Other specified injury of radial artery at wrist and hand level of left arm, sequela Unspecified injury of superficial palmar arch of right hand, initial encounter S65.201A S65.201D Unspecified injury of superficial palmar arch of right hand, subsequent encounter Unspecified injury of superficial palmar arch of right hand, sequela S65.201S S65.202A Unspecified injury of superficial palmar arch of left hand, initial encounter S65.202D Unspecified injury of superficial palmar arch of left hand, subsequent encounter S65.202S Unspecified injury of superficial palmar arch of left hand, sequela S65.211A Laceration of superficial palmar arch of right hand, initial encounter Laceration of superficial palmar arch of right hand, subsequent encounter S65.211D S65.211S Laceration of superficial palmar arch of right hand, sequela S65.212A Laceration of superficial palmar arch of left hand, initial encounter

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ICD-10 Description Codes S65.212D Laceration of superficial palmar arch of left hand, subsequent encounter S65.212S Laceration of superficial palmar arch of left hand, sequela S65.291A Other specified injury of superficial palmar arch of right hand, initial encounter S65.291D Other specified injury of superficial palmar arch of right hand, subsequent encounter S65.291S Other specified injury of superficial palmar arch of right hand, sequela Other specified injury of superficial palmar arch of left hand, initial encounter S65.292A S65.292D Other specified injury of superficial palmar arch of left hand, subsequent encounter S65.292S Other specified injury of superficial palmar arch of left hand, sequela S65.301A Unspecified injury of deep palmar arch of right hand, initial encounter S65.301D Unspecified injury of deep palmar arch of right hand, subsequent encounter S65.301S Unspecified injury of deep palmar arch of right hand, sequela Unspecified injury of deep palmar arch of left hand, initial encounter S65.302A S65.302D Unspecified injury of deep palmar arch of left hand, subsequent encounter S65.302S Unspecified injury of deep palmar arch of left hand, sequela S65.311A Laceration of deep palmar arch of right hand, initial encounter S65.311D Laceration of deep palmar arch of right hand, subsequent encounter S65.311S Laceration of deep palmar arch of right hand, sequela S65.312A Laceration of deep palmar arch of left hand, initial encounter S65.312D Laceration of deep palmar arch of left hand, subsequent encounter S65.312S Laceration of deep palmar arch of left hand, sequela Other specified injury of deep palmar arch of right hand, initial encounter S65.391A S65.391D Other specified injury of deep palmar arch of right hand, subsequent encounter S65.391S Other specified injury of deep palmar arch of right hand, sequela S65.392A Other specified injury of deep palmar arch of left hand, initial encounter S65.392D Other specified injury of deep palmar arch of left hand, subsequent encounter S65.392S Other specified injury of deep palmar arch of left hand, sequela S65.801A Unspecified injury of other blood vessels at wrist and hand level of right arm, initial encounter Unspecified injury of other blood vessels at wrist and hand level of right arm, subsequent S65.801D encounter S65.801S Unspecified injury of other blood vessels at wrist and hand level of right arm, sequela S65.802A Unspecified injury of other blood vessels at wrist and hand level of left arm, initial encounter Unspecified injury of other blood vessels at wrist and hand level of left arm, subsequent encounter S65.802D Unspecified injury of other blood vessels at wrist and hand level of left arm, sequela S65.802S S65.811A Laceration of other blood vessels at wrist and hand level of right arm, initial encounter S65.811D Laceration of other blood vessels at wrist and hand level of right arm, subsequent encounter S65.811S Laceration of other blood vessels at wrist and hand level of right arm, sequela Laceration of other blood vessels at wrist and hand level of left arm, initial encounter S65.812A S65.812D Laceration of other blood vessels at wrist and hand level of left arm, subsequent encounter S65.812S Laceration of other blood vessels at wrist and hand level of left arm, sequela S65.891A Other specified injury of other blood vessels at wrist and hand level of right arm, initial encounter Other specified injury of other blood vessels at wrist and hand level of right arm, subsequent S65.891D encounter Other specified injury of other blood vessels at wrist and hand level of right arm, sequela S65.891S S65.892A Other specified injury of other blood vessels at wrist and hand level of left arm, initial encounter Other specified injury of other blood vessels at wrist and hand level of left arm, subsequent S65.892D encounter Other specified injury of other blood vessels at wrist and hand level of left arm, sequela S65.892S Unspecified injury of unspecified blood vessel at wrist and hand level of right arm, initial encounter S65.901A Unspecified injury of unspecified blood vessel at wrist and hand level of right arm, subsequent S65.901D encounter S65.901S Unspecified injury of unspecified blood vessel at wrist and hand level of right arm, sequela S65.902A Unspecified injury of unspecified blood vessel at wrist and hand level of left arm, initial encounter Unspecified injury of unspecified blood vessel at wrist and hand level of left arm, subsequent S65.902D encounter Unspecified injury of unspecified blood vessel at wrist and hand level of left arm, sequela S65.902S S65.911A Laceration of unspecified blood vessel at wrist and hand level of right arm, initial encounter S65.911D Laceration of unspecified blood vessel at wrist and hand level of right arm, subsequent encounter S65.911S Laceration of unspecified blood vessel at wrist and hand level of right arm, sequela

ICD-10 Codes	Description
S65.912A	Laceration of unspecified blood vessel at wrist and hand level of left arm, initial encounter
S65.912D	Laceration of unspecified blood vessel at wrist and hand level of left arm, subsequent encounter
S65.912S	Laceration of unspecified blood vessel at wrist and hand level of left arm, sequela
S65.991A	Other specified injury of unspecified blood vessel at wrist and hand of right arm, initial encounter Other specified injury of unspecified blood vessel at wrist and hand of right arm, subsequent
S65.991D	encounter
S65.991S	Other specified injury of unspecified blood vessel at wrist and hand of right arm, sequela
S65.992A	Other specified injury of unspecified blood vessel at wrist and hand of left arm, initial encounter
S65.992D	Other specified injury of unspecified blood vessel at wrist and hand of left arm, subsequent encounter
S65.992S	Other specified injury of unspecified blood vessel at wrist and hand of left arm, sequela
S75.001A	Unspecified injury of femoral artery, right leg, initial encounter
S75.001D	Unspecified injury of femoral artery, right leg, subsequent encounter
S75.001S	Unspecified injury of femoral artery, right leg, sequela
S75.002A	Unspecified injury of femoral artery, left leg, initial encounter
S75.002D	Unspecified injury of femoral artery, left leg, subsequent encounter
S75.002S S75.011A	Unspecified injury of femoral artery, left leg, sequela Minor laceration of femoral artery, right leg, initial encounter
S75.011A	Minor laceration of femoral artery, right leg, subsequent encounter
S75.011D	Minor laceration of femoral artery, right leg, sequela
S75.0113	Minor laceration of femoral artery, left leg, initial encounter
S75.012D	Minor laceration of femoral artery, left leg, subsequent encounter
S75.012D	Minor laceration of femoral artery, left leg, sequela
S75.021A	Major laceration of femoral artery, right leg, initial encounter
S75.021D	Major laceration of femoral artery, right leg, subsequent encounter
S75.021S	Major laceration of femoral artery, right leg, sequela
S75.022A	Major laceration of femoral artery, left leg, initial encounter
S75.022D	Major laceration of femoral artery, left leg, subsequent encounter
S75.022S	Major laceration of femoral artery, left leg, sequela
S75.091A	Other specified injury of femoral artery, right leg, initial encounter
S75.091D	Other specified injury of femoral artery, right leg, subsequent encounter
S75.091S	Other specified injury of femoral artery, right leg, sequela
S75.092A	Other specified injury of femoral artery, left leg, initial encounter
S75.092D	Other specified injury of femoral artery, left leg, subsequent encounter
S75.092S	Other specified injury of femoral artery, left leg, sequela
S75.801A	Unspecified injury of other blood vessels at hip and thigh level, right leg, initial encounter
S75.801D	Unspecified injury of other blood vessels at hip and thigh level, right leg, subsequent encounter
S75.801S	Unspecified injury of other blood vessels at hip and thigh level, right leg, sequela
S75.802A	Unspecified injury of other blood vessels at hip and thigh level, left leg, initial encounter
S75.802D	Unspecified injury of other blood vessels at hip and thigh level, left leg, subsequent encounter
S75.802S	Unspecified injury of other blood vessels at hip and thigh level, left leg, sequela
S75.811A S75.811D	Laceration of other blood vessels at hip and thigh level, right leg, initial encounter
S75.811D	Laceration of other blood vessels at hip and thigh level, right leg, subsequent encounter Laceration of other blood vessels at hip and thigh level, right leg, sequela
S75.8113	Laceration of other blood vessels at hip and thigh level, left leg, initial encounter
S75.812A	Laceration of other blood vessels at hip and thigh level, left leg, subsequent encounter
S75.812D	Laceration of other blood vessels at hip and thigh level, left leg, sequela
S75.891A	Other specified injury of other blood vessels at hip and thigh level, left leg, sequela
S75.891D	Other specified injury of other blood vessels at hip and thigh level, right leg, subsequent encounter
S75.891S	Other specified injury of other blood vessels at hip and thigh level, right leg, sequela
S75.892A	Other specified injury of other blood vessels at hip and thigh level, left leg, initial encounter
S75.892D	Other specified injury of other blood vessels at hip and thigh level, left leg, subsequent encounter
S75.892S	Other specified injury of other blood vessels at hip and thigh level, left leg, sequela
S75.901A	Unspecified injury of unspecified blood vessel at hip and thigh level, right leg, initial encounter
S75.901D	Unspecified injury of unspecified blood vessel at hip and thigh level, right leg, subsequent encounter
S75.901S S75.902A	Unspecified injury of unspecified blood vessel at hip and thigh level, right leg, sequela Unspecified injury of unspecified blood vessel at hip and thigh level, left leg, initial encounter

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ICD-10 Description Codes S75.902D Unspecified injury of unspecified blood vessel at hip and thigh level, left leg, subsequent encounter S75.902S Unspecified injury of unspecified blood vessel at hip and thigh level, left leg, sequela Laceration of unspecified blood vessel at hip and thigh level, right leg, initial encounter S75.911A Laceration of unspecified blood vessel at hip and thigh level, right leg, subsequent encounter S75.911D S75.911S Laceration of unspecified blood vessel at hip and thigh level, right leg, sequela Laceration of unspecified blood vessel at hip and thigh level, left leg, initial encounter S75.912A S75.912D Laceration of unspecified blood vessel at hip and thigh level, left leg, subsequent encounter S75.912S Laceration of unspecified blood vessel at hip and thigh level, left leg, seguela S75.991A Other specified injury of unspecified blood vessel at hip and thigh level, right leg, initial encounter Other specified injury of unspecified blood vessel at hip and thigh level, right leg, subsequent S75.991D encounter S75.991S Other specified injury of unspecified blood vessel at hip and thigh level, right leg, sequela S75.992A Other specified injury of unspecified blood vessel at hip and thigh level, left leg, initial encounter Other specified injury of unspecified blood vessel at hip and thigh level, left leg, subsequent S75.992D encounter S75.992S Other specified injury of unspecified blood vessel at hip and thigh level, left leg, sequela Unspecified injury of popliteal artery, right leg, initial encounter S85.001A S85.001D Unspecified injury of popliteal artery, right leg, subsequent encounter S85.001S Unspecified injury of popliteal artery, right leg, sequela Unspecified injury of popliteal artery, left leg, initial encounter S85.002A S85.002D Unspecified injury of popliteal artery, left leg, subsequent encounter S85.002S Unspecified injury of popliteal artery, left leg, seguela S85.011A Laceration of popliteal artery, right leg, initial encounter S85.011D Laceration of popliteal artery, right leg, subsequent encounter S85.011S Laceration of popliteal artery, right leg, sequela S85.012A Laceration of popliteal artery, left leg, initial encounter Laceration of popliteal artery, left leg, subsequent encounter S85.012D Laceration of popliteal artery, left leg, sequela S85.012S Other specified injury of popliteal artery, right leg, initial encounter S85.091A S85.091D Other specified injury of popliteal artery, right leg, subsequent encounter Other specified injury of popliteal artery, right leg, seguela S85.091S S85.092A Other specified injury of popliteal artery, left leg, initial encounter S85.092D Other specified injury of popliteal artery, left leg, subsequent encounter S85.092S Other specified injury of popliteal artery, left leg, sequela S85.101A Unspecified injury of unspecified tibial artery, right leg, initial encounter S85.101D Unspecified injury of unspecified tibial artery, right leg, subsequent encounter S85.101S Unspecified injury of unspecified tibial artery, right leg, sequela S85.102A Unspecified injury of unspecified tibial artery, left leg, initial encounter S85.102D Unspecified injury of unspecified tibial artery, left leg, subsequent encounter S85.102S Unspecified injury of unspecified tibial artery, left leg, sequela S85.111A Laceration of unspecified tibial artery, right leg, initial encounter S85.111D Laceration of unspecified tibial artery, right leg, subsequent encounter S85.111S Laceration of unspecified tibial artery, right leg, sequela S85.112A Laceration of unspecified tibial artery, left leg, initial encounter S85.112D Laceration of unspecified tibial artery, left leg, subsequent encounter S85.112S Laceration of unspecified tibial artery, left leg, seguela S85.121A Other specified injury of unspecified tibial artery, right leg, initial encounter S85.121D Other specified injury of unspecified tibial artery, right leg, subsequent encounter S85.121S Other specified injury of unspecified tibial artery, right leg, seguela S85.122A Other specified injury of unspecified tibial artery, left leg, initial encounter Other specified injury of unspecified tibial artery, left leg, subsequent encounter S85.122D S85.122S Other specified injury of unspecified tibial artery, left leg, sequela S85.131A Unspecified injury of anterior tibial artery, right leg, initial encounter S85.131D Unspecified injury of anterior tibial artery, right leg, subsequent encounter S85.131S Unspecified injury of anterior tibial artery, right leg, seguela S85.132A Unspecified injury of anterior tibial artery, left leg, initial encounter Unspecified injury of anterior tibial artery, left leg, subsequent encounter S85.132D S85.132S Unspecified injury of anterior tibial artery, left leg, sequela

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ICD-10 Codes

Description

S85.141A Laceration of anterior tibial artery, right leg, initial encounter S85.141D Laceration of anterior tibial artery, right leg, subsequent encounter S85.141S Laceration of anterior tibial artery, right leg, seguela S85.142A Laceration of anterior tibial artery, left leg, initial encounter S85.142D Laceration of anterior tibial artery, left leg, subsequent encounter S85.142S Laceration of anterior tibial artery, left leg, seguela S85.151A Other specified injury of anterior tibial artery, right leg, initial encounter S85.151D Other specified injury of anterior tibial artery, right leg, subsequent encounter S85.151S Other specified injury of anterior tibial artery, right leg, seguela S85.152A Other specified injury of anterior tibial artery, left leg, initial encounter S85.152D Other specified injury of anterior tibial artery, left leg, subsequent encounter S85.152S Other specified injury of anterior tibial artery, left leg, sequela S85.161A Unspecified injury of posterior tibial artery, right leg, initial encounter S85.161D Unspecified injury of posterior tibial artery, right leg, subsequent encounter S85.161S Unspecified injury of posterior tibial artery, right leg, sequela Unspecified injury of posterior tibial artery, left leg, initial encounter S85.162A S85.162D Unspecified injury of posterior tibial artery, left leg, subsequent encounter S85.162S Unspecified injury of posterior tibial artery, left leg, sequela S85.171A Laceration of posterior tibial artery, right leg, initial encounter S85.171D Laceration of posterior tibial artery, right leg, subsequent encounter S85.171S Laceration of posterior tibial artery, right leg, sequela S85.172A Laceration of posterior tibial artery, left leg, initial encounter Laceration of posterior tibial artery, left leg, subsequent encounter S85.172D Laceration of posterior tibial artery, left leg, sequela S85.172S Other specified injury of posterior tibial artery, right leg, initial encounter S85.181A S85.181D Other specified injury of posterior tibial artery, right leg, subsequent encounter Other specified injury of posterior tibial artery, right leg, seguela S85.181S S85.182A Other specified injury of posterior tibial artery, left leg, initial encounter S85.182D Other specified injury of posterior tibial artery, left leg, subsequent encounter S85.182S Other specified injury of posterior tibial artery, left leg, sequela S85.201A Unspecified injury of peroneal artery, right leg, initial encounter S85.201D Unspecified injury of peroneal artery, right leg, subsequent encounter S85.201S Unspecified injury of peroneal artery, right leg, sequela S85.202A Unspecified injury of peroneal artery, left leg, initial encounter S85.202D Unspecified injury of peroneal artery, left leg, subsequent encounter S85.202S Unspecified injury of peroneal artery, left leg, sequela S85.211A Laceration of peroneal artery, right leg, initial encounter S85.211D Laceration of peroneal artery, right leg, subsequent encounter S85.211S Laceration of peroneal artery, right leg, seguela S85.212A Laceration of peroneal artery, left leg, initial encounter S85.212D Laceration of peroneal artery, left leg, subsequent encounter S85.212S Laceration of peroneal artery, left leg, seguela S85.291A Other specified injury of peroneal artery, right leg, initial encounter S85.291D Other specified injury of peroneal artery, right leg, subsequent encounter S85.291S Other specified injury of peroneal artery, right leg, sequela S85.292A Other specified injury of peroneal artery, left leg, initial encounter S85.292D Other specified injury of peroneal artery, left leg, subsequent encounter S85.292S Other specified injury of peroneal artery, left leg, sequela Unspecified injury of other blood vessels at lower leg level, right leg, initial encounter S85.801A S85.801D Unspecified injury of other blood vessels at lower leg level, right leg, subsequent encounter S85.801S Unspecified injury of other blood vessels at lower leg level, right leg, sequela S85.802A Unspecified injury of other blood vessels at lower leg level, left leg, initial encounter S85.802D Unspecified injury of other blood vessels at lower leg level, left leg, subsequent encounter S85.802S Unspecified injury of other blood vessels at lower leg level, left leg, sequela S85.811A Laceration of other blood vessels at lower leg level, right leg, initial encounter S85.811D Laceration of other blood vessels at lower leg level, right leg, subsequent encounter S85.811S Laceration of other blood vessels at lower leg level, right leg, seguela S85.812A Laceration of other blood vessels at lower leg level, left leg, initial encounter Printed on 12/9/2016. Page 32 of 76

ICD-10 Description Codes S85.812D Laceration of other blood vessels at lower leg level, left leg, subsequent encounter S85.812S Laceration of other blood vessels at lower leg level, left leg, seguela S85.891A Other specified injury of other blood vessels at lower leg level, right leg, initial encounter Other specified injury of other blood vessels at lower leg level, right leg, subsequent encounter S85.891D S85.891S Other specified injury of other blood vessels at lower leg level, right leg, seguela Other specified injury of other blood vessels at lower leg level, left leg, initial encounter S85.892A S85.892D Other specified injury of other blood vessels at lower leg level, left leg, subsequent encounter S85.892S Other specified injury of other blood vessels at lower leg level, left leg, seguela S85.901A Unspecified injury of unspecified blood vessel at lower leg level, right leg, initial encounter S85.901D Unspecified injury of unspecified blood vessel at lower leg level, right leg, subsequent encounter S85.901S Unspecified injury of unspecified blood vessel at lower leg level, right leg, seguela Unspecified injury of unspecified blood vessel at lower leg level, left leg, initial encounter S85.902A S85.902D Unspecified injury of unspecified blood vessel at lower leg level, left leg, subsequent encounter S85.902S Unspecified injury of unspecified blood vessel at lower leg level, left leg, sequela Laceration of unspecified blood vessel at lower leg level, right leg, initial encounter S85.911A S85.911D Laceration of unspecified blood vessel at lower leg level, right leg, subsequent encounter S85.911S Laceration of unspecified blood vessel at lower leg level, right leg, sequela S85.912A Laceration of unspecified blood vessel at lower leg level, left leg, initial encounter S85.912D Laceration of unspecified blood vessel at lower leg level, left leg, subsequent encounter S85.912S Laceration of unspecified blood vessel at lower leg level, left leg, seguela S85.991A Other specified injury of unspecified blood vessel at lower leg level, right leg, initial encounter Other specified injury of unspecified blood vessel at lower leg level, right leg, subsequent S85.991D encounter Other specified injury of unspecified blood vessel at lower leg level, right leg, sequela S85.991S Other specified injury of unspecified blood vessel at lower leg level, left leg, initial encounter S85.992A S85.992D Other specified injury of unspecified blood vessel at lower leg level, left leg, subsequent encounter Other specified injury of unspecified blood vessel at lower leg level, left leg, seguela S85.992S S95.001A Unspecified injury of dorsal artery of right foot, initial encounter S95.001D Unspecified injury of dorsal artery of right foot, subsequent encounter Unspecified injury of dorsal artery of right foot, sequela S95.001S S95.002A Unspecified injury of dorsal artery of left foot, initial encounter S95.002D Unspecified injury of dorsal artery of left foot, subsequent encounter S95.002S Unspecified injury of dorsal artery of left foot, sequela S95.011A Laceration of dorsal artery of right foot, initial encounter S95.011D Laceration of dorsal artery of right foot, subsequent encounter S95.011S Laceration of dorsal artery of right foot, sequela S95.012A Laceration of dorsal artery of left foot, initial encounter S95.012D Laceration of dorsal artery of left foot, subsequent encounter S95.012S Laceration of dorsal artery of left foot, sequela S95.091A Other specified injury of dorsal artery of right foot, initial encounter S95.091D Other specified injury of dorsal artery of right foot, subsequent encounter S95.091S Other specified injury of dorsal artery of right foot, sequela Other specified injury of dorsal artery of left foot, initial encounter S95.092A S95.092D Other specified injury of dorsal artery of left foot, subsequent encounter S95.092S Other specified injury of dorsal artery of left foot, sequela S95.101A Unspecified injury of plantar artery of right foot, initial encounter Unspecified injury of plantar artery of right foot, subsequent encounter S95.101D S95.101S Unspecified injury of plantar artery of right foot, sequela S95.102A Unspecified injury of plantar artery of left foot, initial encounter S95.102D Unspecified injury of plantar artery of left foot, subsequent encounter S95.102S Unspecified injury of plantar artery of left foot, sequela S95.111A Laceration of plantar artery of right foot, initial encounter S95.111D Laceration of plantar artery of right foot, subsequent encounter S95.111S Laceration of plantar artery of right foot, sequela S95.112A Laceration of plantar artery of left foot, initial encounter S95.112D Laceration of plantar artery of left foot, subsequent encounter S95.112S Laceration of plantar artery of left foot, sequela S95.191A Other specified injury of plantar artery of right foot, initial encounter Printed on 12/9/2016. Page 33 of 76

ICD-10 Description Codes S95.191D Other specified injury of plantar artery of right foot, subsequent encounter S95.191S Other specified injury of plantar artery of right foot, sequela S95.192A Other specified injury of plantar artery of left foot, initial encounter Other specified injury of plantar artery of left foot, subsequent encounter S95.192D S95.192S Other specified injury of plantar artery of left foot, sequela S95.201A Unspecified injury of dorsal vein of right foot, initial encounter S95.201D Unspecified injury of dorsal vein of right foot, subsequent encounter S95.201S Unspecified injury of dorsal vein of right foot, sequela S95.202A Unspecified injury of dorsal vein of left foot, initial encounter S95.202D Unspecified injury of dorsal vein of left foot, subsequent encounter S95.202S Unspecified injury of dorsal vein of left foot, sequela Laceration of dorsal vein of right foot, initial encounter S95.211A S95.211D Laceration of dorsal vein of right foot, subsequent encounter S95.211S Laceration of dorsal vein of right foot, sequela S95.212A Laceration of dorsal vein of left foot, initial encounter S95.212D Laceration of dorsal vein of left foot, subsequent encounter S95.212S Laceration of dorsal vein of left foot, sequela Other specified injury of dorsal vein of right foot, initial encounter S95.291A S95.291D Other specified injury of dorsal vein of right foot, subsequent encounter S95.291S Other specified injury of dorsal vein of right foot, sequela S95.292A Other specified injury of dorsal vein of left foot, initial encounter S95.292D Other specified injury of dorsal vein of left foot, subsequent encounter S95.292S Other specified injury of dorsal vein of left foot, sequela S95.801A Unspecified injury of other blood vessels at ankle and foot level, right leg, initial encounter S95.801D Unspecified injury of other blood vessels at ankle and foot level, right leg, subsequent encounter Unspecified injury of other blood vessels at ankle and foot level, right leg, sequela S95.801S S95.802A Unspecified injury of other blood vessels at ankle and foot level, left leg, initial encounter S95.802D Unspecified injury of other blood vessels at ankle and foot level, left leg, subsequent encounter S95.802S Unspecified injury of other blood vessels at ankle and foot level, left leg, sequela S95.811A Laceration of other blood vessels at ankle and foot level, right leg, initial encounter S95.811D Laceration of other blood vessels at ankle and foot level, right leg, subsequent encounter S95.811S Laceration of other blood vessels at ankle and foot level, right leg, seguela S95.812A Laceration of other blood vessels at ankle and foot level, left leg, initial encounter Laceration of other blood vessels at ankle and foot level, left leg, subsequent encounter S95.812D S95.812S Laceration of other blood vessels at ankle and foot level, left leg, sequela Other specified injury of other blood vessels at ankle and foot level, right leg, initial encounter S95.891A Other specified injury of other blood vessels at ankle and foot level, right leg, subsequent S95.891D encounter S95.891S Other specified injury of other blood vessels at ankle and foot level, right leg, sequela S95.892A Other specified injury of other blood vessels at ankle and foot level, left leg, initial encounter S95.892D Other specified injury of other blood vessels at ankle and foot level, left leg, subsequent encounter Other specified injury of other blood vessels at ankle and foot level, left leg, sequela S95.892S Unspecified injury of unspecified blood vessel at ankle and foot level, right leg, initial encounter S95.901A Unspecified injury of unspecified blood vessel at ankle and foot level, right leg, subsequent S95.901D encounter Unspecified injury of unspecified blood vessel at ankle and foot level, right leg, sequela S95.901S S95.902A Unspecified injury of unspecified blood vessel at ankle and foot level, left leg, initial encounter Unspecified injury of unspecified blood vessel at ankle and foot level, left leg, subsequent S95.902D encounter S95.902S Unspecified injury of unspecified blood vessel at ankle and foot level, left leg, sequela Laceration of unspecified blood vessel at ankle and foot level, right leg, initial encounter S95.911A S95.911D Laceration of unspecified blood vessel at ankle and foot level, right leg, subsequent encounter S95.911S Laceration of unspecified blood vessel at ankle and foot level, right leg, sequela S95.912A Laceration of unspecified blood vessel at ankle and foot level, left leg, initial encounter Laceration of unspecified blood vessel at ankle and foot level, left leg, subsequent encounter S95.912D S95.912S Laceration of unspecified blood vessel at ankle and foot level, left leg, seguela S95.991A Other specified injury of unspecified blood vessel at ankle and foot level, right leg, initial encounter S95.991D

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ICD-10 Codes	Description
Couco	Other specified injury of unspecified blood vessel at ankle and foot level, right leg, subsequent encounter
S95.991S	Other specified injury of unspecified blood vessel at ankle and foot level, right leg, sequela
S95.992A	Other specified injury of unspecified blood vessel at ankle and foot level, left leg, initial encounter
S95.992D	Other specified injury of unspecified blood vessel at ankle and foot level, left leg, subsequent encounter
S95.992S	Other specified injury of unspecified blood vessel at ankle and foot level, left leg, sequela
T81.718A	Complication of other artery following a procedure, not elsewhere classified, initial encounter
T81.718D	Complication of other artery following a procedure, not elsewhere classified, subsequent encounter
T81.718S	Complication of other artery following a procedure, not elsewhere classified, sequela
T81.72XA T81.72XD	Complication of vein following a procedure, not elsewhere classified, initial encounter Complication of vein following a procedure, not elsewhere classified, subsequent encounter
T81.72XD	Complication of vein following a procedure, not elsewhere classified, sequela
T82.312A	Breakdown (mechanical) of femoral arterial graft (bypass), initial encounter
T82.312D	Breakdown (mechanical) of femoral arterial graft (bypass), subsequent encounter
T82.312S	Breakdown (mechanical) of femoral arterial graft (bypass), sequela
T82.318A	Breakdown (mechanical) of other vascular grafts, initial encounter
T82.318D	Breakdown (mechanical) of other vascular grafts, subsequent encounter
T82.318S	Breakdown (mechanical) of other vascular grafts, sequela
T82.322A	Displacement of femoral arterial graft (bypass), initial encounter
T82.322D	Displacement of femoral arterial graft (bypass), subsequent encounter
T82.322S	Displacement of femoral arterial graft (bypass), sequela
T82.328A	Displacement of other vascular grafts, initial encounter
T82.328D	Displacement of other vascular grafts, subsequent encounter
T82.328S T82.332A	Displacement of other vascular grafts, sequela Leakage of femoral arterial graft (bypass), initial encounter
T82.332D	Leakage of femoral arterial graft (bypass), subsequent encounter
T82.332S	Leakage of femoral arterial graft (bypass), subsequent encounter
T82.338A	Leakage of other vascular grafts, initial encounter
T82.338D	Leakage of other vascular grafts, subsequent encounter
T82.338S	Leakage of other vascular grafts, sequela
T82.392A	Other mechanical complication of femoral arterial graft (bypass), initial encounter
T82.392D	Other mechanical complication of femoral arterial graft (bypass), subsequent encounter
T82.392S	Other mechanical complication of femoral arterial graft (bypass), sequela
T82.398A	Other mechanical complication of other vascular grafts, initial encounter
T82.398D	Other mechanical complication of other vascular grafts, subsequent encounter
T82.398S	Other mechanical complication of other vascular grafts, sequela
T82.41XA	Breakdown (mechanical) of vascular dialysis catheter, initial encounter
T82.41XD T82.41XS	Breakdown (mechanical) of vascular dialysis catheter, subsequent encounter Breakdown (mechanical) of vascular dialysis catheter, sequela
T82.42XA	Displacement of vascular dialysis catheter, initial encounter
T82.42XD	Displacement of vascular dialysis catheter, subsequent encounter
T82.42XS	Displacement of vascular dialysis catheter, sequela
T82.43XA	Leakage of vascular dialysis catheter, initial encounter
T82.43XD	Leakage of vascular dialysis catheter, subsequent encounter
T82.43XS	Leakage of vascular dialysis catheter, sequela
T82.49XA	Other complication of vascular dialysis catheter, initial encounter
T82.49XD	Other complication of vascular dialysis catheter, subsequent encounter
T82.49XS	Other complication of vascular dialysis catheter, sequela
T82.510A	Breakdown (mechanical) of surgically created arteriovenous fistula, initial encounter
T82.510D	Breakdown (mechanical) of surgically created arteriovenous fistula, subsequent encounter
T82.510S T82.511A	Breakdown (mechanical) of surgically created arteriovenous fistula, sequela Breakdown (mechanical) of surgically created arteriovenous shunt, initial encounter
T82.511A	Breakdown (mechanical) of surgically created arteriovenous shunt, initial encounter Breakdown (mechanical) of surgically created arteriovenous shunt, subsequent encounter
T82.511D	Breakdown (mechanical) of surgically created arteriovenous shunt, subsequent encounter Breakdown (mechanical) of surgically created arteriovenous shunt, sequela
T82.513A	Breakdown (mechanical) of balloon (counterpulsation) device, initial encounter
T82.513D	Breakdown (mechanical) of balloon (counterpulsation) device, subsequent encounter
T82.513S	Breakdown (mechanical) of balloon (counterpulsation) device, sequela
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ICD-10 Description Codes T82.514A Breakdown (mechanical) of infusion catheter, initial encounter T82.514D Breakdown (mechanical) of infusion catheter, subsequent encounter T82.514S Breakdown (mechanical) of infusion catheter, sequela Breakdown (mechanical) of umbrella device, initial encounter T82.515A T82.515D Breakdown (mechanical) of umbrella device, subsequent encounter T82.515S Breakdown (mechanical) of umbrella device, sequela Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter T82.518A Breakdown (mechanical) of other cardiac and vascular devices and implants, subsequent T82.518D encounter T82.518S Breakdown (mechanical) of other cardiac and vascular devices and implants, sequela T82.520A Displacement of surgically created arteriovenous fistula, initial encounter T82.520D Displacement of surgically created arteriovenous fistula, subsequent encounter T82.520S Displacement of surgically created arteriovenous fistula, sequela T82.521A Displacement of surgically created arteriovenous shunt, initial encounter T82.521D Displacement of surgically created arteriovenous shunt, subsequent encounter T82.521S Displacement of surgically created arteriovenous shunt, sequela T82.523A Displacement of balloon (counterpulsation) device, initial encounter T82.523D Displacement of balloon (counterpulsation) device, subsequent encounter T82.523S Displacement of balloon (counterpulsation) device, sequela T82.524A Displacement of infusion catheter, initial encounter T82.524D Displacement of infusion catheter, subsequent encounter T82.524S Displacement of infusion catheter, sequela T82.525A Displacement of umbrella device, initial encounter T82.525D Displacement of umbrella device, subsequent encounter T82.525S Displacement of umbrella device, sequela T82.528A Displacement of other cardiac and vascular devices and implants, initial encounter Displacement of other cardiac and vascular devices and implants, subsequent encounter T82.528D T82.528S Displacement of other cardiac and vascular devices and implants, sequela T82.530A Leakage of surgically created arteriovenous fistula, initial encounter T82.530D Leakage of surgically created arteriovenous fistula, subsequent encounter T82.530S Leakage of surgically created arteriovenous fistula, seguela T82.531A Leakage of surgically created arteriovenous shunt, initial encounter T82.531D Leakage of surgically created arteriovenous shunt, subsequent encounter T82.531S Leakage of surgically created arteriovenous shunt, sequela T82.533A Leakage of balloon (counterpulsation) device, initial encounter T82.533D Leakage of balloon (counterpulsation) device, subsequent encounter T82.533S Leakage of balloon (counterpulsation) device, sequela T82.534A Leakage of infusion catheter, initial encounter T82.534D Leakage of infusion catheter, subsequent encounter T82.534S Leakage of infusion catheter, sequela T82.535A Leakage of umbrella device, initial encounter T82.535D Leakage of umbrella device, subsequent encounter T82.535S Leakage of umbrella device, sequela T82.538A Leakage of other cardiac and vascular devices and implants, initial encounter T82.538D Leakage of other cardiac and vascular devices and implants, subsequent encounter T82.538S Leakage of other cardiac and vascular devices and implants, sequela T82.590A Other mechanical complication of surgically created arteriovenous fistula, initial encounter Other mechanical complication of surgically created arteriovenous fistula, subsequent encounter T82.590D T82.590S Other mechanical complication of surgically created arteriovenous fistula, sequela T82.591A Other mechanical complication of surgically created arteriovenous shunt, initial encounter T82.591D Other mechanical complication of surgically created arteriovenous shunt, subsequent encounter T82.591S Other mechanical complication of surgically created arteriovenous shunt, sequela T82.593A Other mechanical complication of balloon (counterpulsation) device, initial encounter T82.593D Other mechanical complication of balloon (counterpulsation) device, subsequent encounter T82.593S Other mechanical complication of balloon (counterpulsation) device, sequela T82.594A Other mechanical complication of infusion catheter, initial encounter T82.594D Other mechanical complication of infusion catheter, subsequent encounter T82.594S Other mechanical complication of infusion catheter, sequela

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ICD-10	Description
Codes	-
T82.595A	Other mechanical complication of umbrella device, initial encounter
T82.595D	Other mechanical complication of umbrella device, subsequent encounter
T82.595S	Other mechanical complication of umbrella device, sequela
T82.598A	Other mechanical complication of other cardiac and vascular devices and implants, initial encounter
T82.598D	Other mechanical complication of other cardiac and vascular devices and implants, subsequent encounter
T82.598S	Other mechanical complication of other cardiac and vascular devices and implants, sequela
T82.7XXA	Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, initial encounter
T82.7XXD	Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, subsequent encounter
T82.7XXS	Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, sequela
T82.818A	Embolism due to vascular prosthetic devices, implants and grafts, initial encounter
T82.818D	Embolism due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.818S	Embolism due to vascular prosthetic devices, implants and grafts, sequela
T82.828A	Fibrosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.828D	Fibrosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.828S	Fibrosis due to vascular prosthetic devices, implants and grafts, sequela
T82.838A	Hemorrhage due to vascular prosthetic devices, implants and grafts, initial encounter
T82.838D	Hemorrhage due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.838S	Hemorrhage due to vascular prosthetic devices, implants and grafts, sequela
T82.848A	Pain due to vascular prosthetic devices, implants and grafts, initial encounter
T82.848D	Pain due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.848S	Pain due to vascular prosthetic devices, implants and grafts, sequela
T82.856A	Stenosis of peripheral vascular stent, initial encounter
T82.856D T82.856S	Stenosis of peripheral vascular stent, subsequent encounter Stenosis of peripheral vascular stent, sequela
T82.858A	Stenosis of other vascular prosthetic devices, implants and grafts, initial encounter
T82.858D	Stenosis of other vascular prosthetic devices, implants and grafts, initial encounter
T82.8585	Stenosis of other vascular prosthetic devices, implants and grafts, subsequent encounter Stenosis of other vascular prosthetic devices, implants and grafts, sequela
T82.868A	Thrombosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.868D	Thrombosis due to vascular prostnetic devices, implants and grafts, subsequent encounter
T82.868S	Thrombosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.898A	Other specified complication of vascular prosthetic devices, implants and grafts, initial encounter
T82.898D	Other specified complication of vascular prosthetic devices, implants and grafts, subsequent encounter
T82.898S	Other specified complication of vascular prosthetic devices, implants and grafts, sequela
T82.9XXA	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, initial encounter
T82.9XXD	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, subsequent encounter
T82.9XXS	Unspecified complication of cardiac and vascular prosthetic device, implant and graft, sequela
T88.8XXA	Other specified complications of surgical and medical care, not elsewhere classified, initial encounter
T88.8XXD	Other specified complications of surgical and medical care, not elsewhere classified, subsequent encounter
T88.8XXS	Other specified complications of surgical and medical care, not elsewhere classified, sequela
Z09	Encounter for follow-up examination after completed treatment for conditions other than malignant neoplasm
Z48.812	Encounter for surgical aftercare following surgery on the circulatory system

Group 4 Paragraph: Extremity Venous Evaluation (93965, 93970 and 93971):

Group 4 Codes: ICD-10 Codes

Description

ICD-10 Codes	Description
E08.52	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene
E09.52	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene
E10.52	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene
I26.01	Septic pulmonary embolism with acute cor pulmonale
I26.02	Saddle embolus of pulmonary artery with acute cor pulmonale
I26.09	Other pulmonary embolism with acute cor pulmonale
I26.90	Septic pulmonary embolism without acute cor pulmonale
I26.92	Saddle embolus of pulmonary artery without acute cor pulmonale
I26.99	Other pulmonary embolism without acute cor pulmonale
I27.82	Chronic pulmonary embolism
I70.461	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, right leg
I70.462	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, left leg
I70.463	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, bilateral legs
170.468	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, other extremity
170.561	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, right leg
170.562	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, left leg
170.563	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, bilateral legs
170.568	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, other extremity
I70.661	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, right leg
170.662	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, left leg
170.663	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, bilateral legs
170.668	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, other extremity
170.761	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, right leg
170.762	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, left leg
170.763	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, bilateral legs
170.768	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, other extremity
I73.01	Raynaud's syndrome with gangrene
I80.01	Phlebitis and thrombophlebitis of superficial vessels of right lower extremity
180.02	Phlebitis and thrombophlebitis of superficial vessels of left lower extremity
180.03	Phlebitis and thrombophlebitis of superficial vessels of lower extremities, bilateral
I80.11	Phlebitis and thrombophlebitis of right femoral vein
I80.12	Phlebitis and thrombophlebitis of left femoral vein
I80.13	Phlebitis and thrombophlebitis of femoral vein, bilateral
I80.211	Phlebitis and thrombophlebitis of right iliac vein
I80.212 I80.213	Phlebitis and thrombophlebitis of left iliac vein Phlebitis and thrombophlebitis of iliac vein, bilateral
I80.213 I80.221	Phlebitis and thrombophlebitis of right popliteal vein
I80.221 I80.222	Phlebitis and thrombophlebitis of left popliteal vein
I80.222 I80.223	Phlebitis and thrombophlebitis of popliteal vein, bilateral
I80.225 I80.231	Phlebitis and thrombophlebitis of right tibial vein
180.232	Phlebitis and thrombophlebitis of left tibial vein
180.233	Phlebitis and thrombophlebitis of tibial vein, bilateral
180.291	Phlebitis and thrombophlebitis of other deep vessels of right lower extremity
180.292	Phlebitis and thrombophlebitis of other deep vessels of left lower extremity
180.293	Phlebitis and thrombophlebitis of other deep vessels of lower extremity, bilateral
180.3	Phlebitis and thrombophlebitis of lower extremities, unspecified
180.8	Phlebitis and thrombophlebitis of other sites
I82.1	Thrombophlebitis migrans
I82.401	Acute embolism and thrombosis of unspecified deep veins of right lower extremity
I82.402	Acute embolism and thrombosis of unspecified deep veins of left lower extremity
I82.403	Acute embolism and thrombosis of unspecified deep veins of lower extremity, bilateral

Description Codes I82.411 Acute embolism and thrombosis of right femoral vein I82.412 Acute embolism and thrombosis of left femoral vein 182.413 Acute embolism and thrombosis of femoral vein, bilateral I82.421 Acute embolism and thrombosis of right iliac vein I82.422 Acute embolism and thrombosis of left iliac vein I82.423 Acute embolism and thrombosis of iliac vein, bilateral I82.431 Acute embolism and thrombosis of right popliteal vein I82.432 Acute embolism and thrombosis of left popliteal vein I82.433 Acute embolism and thrombosis of popliteal vein, bilateral Acute embolism and thrombosis of right tibial vein I82.441 182,442 Acute embolism and thrombosis of left tibial vein I82.443 Acute embolism and thrombosis of tibial vein, bilateral Acute embolism and thrombosis of other specified deep vein of right lower extremity 182.491 I82.492 Acute embolism and thrombosis of other specified deep vein of left lower extremity I82.493 Acute embolism and thrombosis of other specified deep vein of lower extremity, bilateral Acute embolism and thrombosis of unspecified deep veins of right proximal lower extremity -I82.4Y1 -Acute embolism and thrombosis of unspecified deep veins of unspecified proximal lower extremity I82.4Y9 Acute embolism and thrombosis of unspecified deep veins of right distal lower extremity - Acute I82.4Z1 embolism and thrombosis of unspecified deep veins of unspecified distal lower extremity I82.4Z9 I82.511 Chronic embolism and thrombosis of right femoral vein Chronic embolism and thrombosis of left femoral vein I82.512 I82.513 Chronic embolism and thrombosis of femoral vein, bilateral I82.521 Chronic embolism and thrombosis of right iliac vein I82.522 Chronic embolism and thrombosis of left iliac vein 182.523 Chronic embolism and thrombosis of iliac vein, bilateral I82.531 Chronic embolism and thrombosis of right popliteal vein I82.532 Chronic embolism and thrombosis of left popliteal vein I82.533 Chronic embolism and thrombosis of popliteal vein, bilateral I82.541 Chronic embolism and thrombosis of right tibial vein I82.542 Chronic embolism and thrombosis of left tibial vein I82.543 Chronic embolism and thrombosis of tibial vein, bilateral Chronic embolism and thrombosis of unspecified deep veins of right proximal lower extremity -I82.5Y1 -Chronic embolism and thrombosis of unspecified deep veins of unspecified proximal lower I82.5Y9 extremity I82.5Z1 -Chronic embolism and thrombosis of unspecified deep veins of right distal lower extremity -I82.5Z9 Chronic embolism and thrombosis of unspecified deep veins of unspecified distal lower extremity I82.611 Acute embolism and thrombosis of superficial veins of right upper extremity Acute embolism and thrombosis of superficial veins of left upper extremity I82.612 I82.613 Acute embolism and thrombosis of superficial veins of upper extremity, bilateral Acute embolism and thrombosis of deep veins of right upper extremity I82.621 182.622 Acute embolism and thrombosis of deep veins of left upper extremity I82.623 Acute embolism and thrombosis of deep veins of upper extremity, bilateral I82.711 Chronic embolism and thrombosis of superficial veins of right upper extremity I82.712 Chronic embolism and thrombosis of superficial veins of left upper extremity Chronic embolism and thrombosis of superficial veins of upper extremity, bilateral I82.713 I82.721 Chronic embolism and thrombosis of deep veins of right upper extremity I82.722 Chronic embolism and thrombosis of deep veins of left upper extremity I82.723 Chronic embolism and thrombosis of deep veins of upper extremity, bilateral I82.A11 Acute embolism and thrombosis of right axillary vein I82.A12 Acute embolism and thrombosis of left axillary vein I82.A13 Acute embolism and thrombosis of axillary vein, bilateral I82.A21 Chronic embolism and thrombosis of right axillary vein I82.A22 Chronic embolism and thrombosis of left axillary vein I82.A23 Chronic embolism and thrombosis of axillary vein, bilateral I82.B11 Acute embolism and thrombosis of right subclavian vein Acute embolism and thrombosis of left subclavian vein I82.B12 I82.B13 Acute embolism and thrombosis of subclavian vein, bilateral I82.B21 Chronic embolism and thrombosis of right subclavian vein

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ICD-10

ICD-10 Codes

Description

I82.B22 Chronic embolism and thrombosis of left subclavian vein I82.B23 Chronic embolism and thrombosis of subclavian vein, bilateral 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 Chronic embolism and thrombosis of right internal jugular vein I82.C21 I82.C22 Chronic embolism and thrombosis of left internal jugular vein I82.C23 Chronic embolism and thrombosis of internal jugular vein, bilateral I82.811 Embolism and thrombosis of superficial veins of right lower extremities Embolism and thrombosis of superficial veins of left lower extremities I82.812 I82.813 Embolism and thrombosis of superficial veins of lower extremities, bilateral I83.011 Varicose veins of right lower extremity with ulcer of thigh I83.012 Varicose veins of right lower extremity with ulcer of calf I83.013 Varicose veins of right lower extremity with ulcer of ankle I83.014 Varicose veins of right lower extremity with ulcer of heel and midfoot I83.015 Varicose veins of right lower extremity with ulcer other part of foot I83.018 Varicose veins of right lower extremity with ulcer other part of lower leg I83.021 Varicose veins of left lower extremity with ulcer of thigh I83.022 Varicose veins of left lower extremity with ulcer of calf I83.023 Varicose veins of left lower extremity with ulcer of ankle I83.024 Varicose veins of left lower extremity with ulcer of heel and midfoot I83.025 Varicose veins of left lower extremity with ulcer other part of foot 183.028 Varicose veins of left lower extremity with ulcer other part of lower leg I83.11 Varicose veins of right lower extremity with inflammation I83.12 Varicose veins of left lower extremity with inflammation I83.211 Varicose veins of right lower extremity with both ulcer of thigh and inflammation Varicose veins of right lower extremity with both ulcer of calf and inflammation I83.212 I83.213 Varicose veins of right lower extremity with both ulcer of ankle and inflammation I83.214 Varicose veins of right lower extremity with both ulcer of heel and midfoot and inflammation I83.215 Varicose veins of right lower extremity with both ulcer other part of foot and inflammation Varicose veins of right lower extremity with both ulcer of other part of lower extremity and 183.218 inflammation I83.221 Varicose veins of left lower extremity with both ulcer of thigh and inflammation I83.222 Varicose veins of left lower extremity with both ulcer of calf and inflammation I83.223 Varicose veins of left lower extremity with both ulcer of ankle and inflammation I83.224 Varicose veins of left lower extremity with both ulcer of heel and midfoot and inflammation I83.225 Varicose veins of left lower extremity with both ulcer other part of foot and inflammation Varicose veins of left lower extremity with both ulcer of other part of lower extremity and 183.228 inflammation I83.811 Varicose veins of right lower extremities with pain I83.812 Varicose veins of left lower extremities with pain I83.813 Varicose veins of bilateral lower extremities with pain I83.891 Varicose veins of right lower extremities with other complications I83.892 Varicose veins of left lower extremities with other complications 183.893 Varicose veins of bilateral lower extremities with other complications I87.001 Postthrombotic syndrome without complications of right lower extremity I87.002 Postthrombotic syndrome without complications of left lower extremity I87.003 Postthrombotic syndrome without complications of bilateral lower extremity I87.011 Postthrombotic syndrome with ulcer of right lower extremity I87.012 Postthrombotic syndrome with ulcer of left lower extremity I87.013 Postthrombotic syndrome with ulcer of bilateral lower extremity I87.021 Postthrombotic syndrome with inflammation of right lower extremity 187.022 Postthrombotic syndrome with inflammation of left lower extremity I87.023 Postthrombotic syndrome with inflammation of bilateral lower extremity I87.031 Postthrombotic syndrome with ulcer and inflammation of right lower extremity I87.032 Postthrombotic syndrome with ulcer and inflammation of left lower extremity I87.033 Postthrombotic syndrome with ulcer and inflammation of bilateral lower extremity I87.091 Postthrombotic syndrome with other complications of right lower extremity

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ICD-10 Codes	Description
187.092	Postthrombotic syndrome with other complications of left lower extremity
187.093	Postthrombotic syndrome with other complications of bilateral lower extremity
I87.1	Compression of vein
I87.301	Chronic venous hypertension (idiopathic) without complications of right lower extremity
187.302	Chronic venous hypertension (idiopathic) without complications of left lower extremity
187.303	Chronic venous hypertension (idiopathic) without complications of bilateral lower extremity
I87.311	Chronic venous hypertension (idiopathic) with ulcer of right lower extremity
I87.312	Chronic venous hypertension (idiopathic) with ulcer of left lower extremity
I87.313	Chronic venous hypertension (idiopathic) with ulcer of bilateral lower extremity
I87.321	Chronic venous hypertension (idiopathic) with inflammation of right lower extremity
I87.322	Chronic venous hypertension (idiopathic) with inflammation of left lower extremity
187.323	Chronic venous hypertension (idiopathic) with inflammation of bilateral lower extremity
I87.331	Chronic venous hypertension (idiopathic) with ulcer and inflammation of right lower extremity
I87.332	Chronic venous hypertension (idiopathic) with ulcer and inflammation of left lower extremity
187.333	Chronic venous hypertension (idiopathic) with ulcer and inflammation of bilateral lower extremity
I87.391	Chronic venous hypertension (idiopathic) with other complications of right lower extremity
I87.392	Chronic venous hypertension (idiopathic) with other complications of left lower extremity
I87.393	Chronic venous hypertension (idiopathic) with other complications of bilateral lower extremity
196	Gangrene, not elsewhere classified
I97.51	Accidental puncture and laceration of a circulatory system organ or structure during a circulatory system procedure
197.52	Accidental puncture and laceration of a circulatory system organ or structure during other procedure
L76.11	Accidental puncture and laceration of skin and subcutaneous tissue during a dermatologic procedure
L76.12	Accidental puncture and laceration of skin and subcutaneous tissue during other procedure
M79.601	Pain in right arm
M79.602	Pain in left arm
M79.604	Pain in right leg
M79.605	Pain in left leg
M79.621	Pain in right upper arm
M79.622 M79.631	Pain in left upper arm Pain in right forearm
M79.631 M79.632	Pain in left forearm
M79.641	Pain in right hand
M79.642	Pain in left hand
M79.644	Pain in right finger(s)
M79.645	Pain in left finger(s)
M79.651	Pain in right thigh
M79.652	Pain in left thigh
M79.661	Pain in right lower leg
M79.662	Pain in left lower leg
M79.671	Pain in right foot
M79.672	Pain in left foot
M79.674	Pain in right toe(s)
M79.675	Pain in left toe(s)
M79.89	Other specified soft tissue disorders
M96.820	Accidental puncture and laceration of a musculoskeletal structure during a musculoskeletal system procedure
M96.821	Accidental puncture and laceration of a musculoskeletal structure during other procedure
022.21	Superficial thrombophlebitis in pregnancy, first trimester
022.22	Superficial thrombophlebitis in pregnancy, second trimester
022.23	Superficial thrombophlebitis in pregnancy, third trimester
022.31	Deep phlebothrombosis in pregnancy, first trimester
022.32	Deep phlebothrombosis in pregnancy, second trimester
022.33	Deep phlebothrombosis in pregnancy, third trimester
086.81	Puerperal septic thrombophlebitis
087.0	Superficial thrombophlebitis in the puerperium

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ICD-10 Description Codes 087.1 Deep phlebothrombosis in the puerperium Q27.31 Arteriovenous malformation of vessel of upper limb Q27.32 Arteriovenous malformation of vessel of lower limb R04.2 Hemoptysis R04.89 Hemorrhage from other sites in respiratory passages R06.02 Shortness of breath R07.1 Chest pain on breathing Pleurodynia R07.81 R07.82 Intercostal pain R07.89 Other chest pain R07.9 Chest pain, unspecified R22.31 Localized swelling, mass and lump, right upper limb R22.32 Localized swelling, mass and lump, left upper limb R22.33 Localized swelling, mass and lump, upper limb, bilateral R22.41 Localized swelling, mass and lump, right lower limb Localized swelling, mass and lump, left lower limb R22.42 R22.43 Localized swelling, mass and lump, lower limb, bilateral Localized edema R60.0 R60.1 Generalized edema R60.9 Edema, unspecified R94.2 Abnormal results of pulmonary function studies Laceration of brachial artery, right side, initial encounter S45.111A Laceration of brachial artery, right side, subsequent encounter S45.111D Laceration of brachial artery, right side, sequela S45.111S Laceration of brachial artery, left side, initial encounter S45.112A S45.112D Laceration of brachial artery, left side, subsequent encounter Laceration of brachial artery, left side, sequela S45.112S S45.191A Other specified injury of brachial artery, right side, initial encounter Other specified injury of brachial artery, right side, subsequent encounter S45.191D Other specified injury of brachial artery, right side, sequela S45.191S S45.192A Other specified injury of brachial artery, left side, initial encounter S45.192D Other specified injury of brachial artery, left side, subsequent encounter S45.192S Other specified injury of brachial artery, left side, sequela Laceration of axillary or brachial vein, right side, initial encounter S45.211A S45.211D Laceration of axillary or brachial vein, right side, subsequent encounter S45.211S Laceration of axillary or brachial vein, right side, sequela Laceration of axillary or brachial vein, left side, initial encounter S45.212A S45.212D Laceration of axillary or brachial vein, left side, subsequent encounter S45.212S Laceration of axillary or brachial vein, left side, sequela S45.291A Other specified injury of axillary or brachial vein, right side, initial encounter S45.291D Other specified injury of axillary or brachial vein, right side, subsequent encounter Other specified injury of axillary or brachial vein, right side, sequela S45.291S S45.292A Other specified injury of axillary or brachial vein, left side, initial encounter S45.292D Other specified injury of axillary or brachial vein, left side, subsequent encounter S45.292S Other specified injury of axillary or brachial vein, left side, sequela S55.011A Laceration of ulnar artery at forearm level, right arm, initial encounter S55.011D Laceration of ulnar artery at forearm level, right arm, subsequent encounter Laceration of ulnar artery at forearm level, right arm, sequela S55.011S S55.012A Laceration of ulnar artery at forearm level, left arm, initial encounter S55.012D Laceration of ulnar artery at forearm level, left arm, subsequent encounter S55.012S Laceration of ulnar artery at forearm level, left arm, sequela S55.091A Other specified injury of ulnar artery at forearm level, right arm, initial encounter S55.091D Other specified injury of ulnar artery at forearm level, right arm, subsequent encounter S55.091S Other specified injury of ulnar artery at forearm level, right arm, sequela S55.092A Other specified injury of ulnar artery at forearm level, left arm, initial encounter Other specified injury of ulnar artery at forearm level, left arm, subsequent encounter S55.092D S55.092S Other specified injury of ulnar artery at forearm level, left arm, sequela Laceration of radial artery at forearm level, right arm, initial encounter S55.111A Printed on 12/9/2016. Page 42 of 76

ICD-10 Description Codes S55.111D Laceration of radial artery at forearm level, right arm, subsequent encounter S55.111S Laceration of radial artery at forearm level, right arm, seguela S55.112A Laceration of radial artery at forearm level, left arm, initial encounter S55.112D Laceration of radial artery at forearm level, left arm, subsequent encounter S55.112S Laceration of radial artery at forearm level, left arm, sequela S55.191A Other specified injury of radial artery at forearm level, right arm, initial encounter S55.191D Other specified injury of radial artery at forearm level, right arm, subsequent encounter S55.191S Other specified injury of radial artery at forearm level, right arm, sequela S55.192A Other specified injury of radial artery at forearm level, left arm, initial encounter S55.192D Other specified injury of radial artery at forearm level, left arm, subsequent encounter S55.192S Other specified injury of radial artery at forearm level, left arm, sequela S65.011A Laceration of ulnar artery at wrist and hand level of right arm, initial encounter S65.011D Laceration of ulnar artery at wrist and hand level of right arm, subsequent encounter S65.011S Laceration of ulnar artery at wrist and hand level of right arm, sequela S65.012A Laceration of ulnar artery at wrist and hand level of left arm, initial encounter S65.012D Laceration of ulnar artery at wrist and hand level of left arm, subsequent encounter S65.012S Laceration of ulnar artery at wrist and hand level of left arm, sequela Other specified injury of ulnar artery at wrist and hand level of right arm, initial encounter S65.091A S65.091D Other specified injury of ulnar artery at wrist and hand level of right arm, subsequent encounter S65.091S Other specified injury of ulnar artery at wrist and hand level of right arm, sequela S65.092A Other specified injury of ulnar artery at wrist and hand level of left arm, initial encounter S65.092D Other specified injury of ulnar artery at wrist and hand level of left arm, subsequent encounter Other specified injury of ulnar artery at wrist and hand level of left arm, sequela S65.092S S65.111A Laceration of radial artery at wrist and hand level of right arm, initial encounter S65.111D Laceration of radial artery at wrist and hand level of right arm, subsequent encounter Laceration of radial artery at wrist and hand level of right arm, sequela S65.111S S65.112A Laceration of radial artery at wrist and hand level of left arm, initial encounter S65.112D Laceration of radial artery at wrist and hand level of left arm, subsequent encounter S65.112S Laceration of radial artery at wrist and hand level of left arm, sequela S65.191A Other specified injury of radial artery at wrist and hand level of right arm, initial encounter Other specified injury of radial artery at wrist and hand level of right arm, subsequent encounter S65.191D S65.191S Other specified injury of radial artery at wrist and hand level of right arm, sequela S65.192A Other specified injury of radial artery at wrist and hand level of left arm, initial encounter Other specified injury of radial artery at wrist and hand level of left arm, subsequent encounter S65.192D S65.192S Other specified injury of radial artery at wrist and hand level of left arm, sequela Minor laceration of femoral vein at hip and thigh level, right leg, initial encounter S75.111A S75.111D Minor laceration of femoral vein at hip and thigh level, right leg, subsequent encounter S75.111S Minor laceration of femoral vein at hip and thigh level, right leg, seguela S75.112A Minor laceration of femoral vein at hip and thigh level, left leg, initial encounter S75.112D Minor laceration of femoral vein at hip and thigh level, left leg, subsequent encounter Minor laceration of femoral vein at hip and thigh level, left leg, sequela S75.112S Major laceration of femoral vein at hip and thigh level, right leg, initial encounter S75.121A S75.121D Major laceration of femoral vein at hip and thigh level, right leg, subsequent encounter S75.121S Major laceration of femoral vein at hip and thigh level, right leg, sequela S75.122A Major laceration of femoral vein at hip and thigh level, left leg, initial encounter S75.122D Major laceration of femoral vein at hip and thigh level, left leg, subsequent encounter S75.122S Major laceration of femoral vein at hip and thigh level, left leg, sequela S75.191A Other specified injury of femoral vein at hip and thigh level, right leg, initial encounter Other specified injury of femoral vein at hip and thigh level, right leg, subsequent encounter S75.191D Other specified injury of femoral vein at hip and thigh level, right leg, sequela S75.191S S75.192A Other specified injury of femoral vein at hip and thigh level, left leg, initial encounter S75.192D Other specified injury of femoral vein at hip and thigh level, left leg, subsequent encounter S75.192S Other specified injury of femoral vein at hip and thigh level, left leg, sequela S75.211A Minor laceration of greater saphenous vein at hip and thigh level, right leg, initial encounter S75.211D Minor laceration of greater saphenous vein at hip and thigh level, right leg, subsequent encounter S75.211S Minor laceration of greater saphenous vein at hip and thigh level, right leg, seguela S75.212A Minor laceration of greater saphenous vein at hip and thigh level, left leg, initial encounter

ICD-10 Description Codes Minor laceration of greater saphenous vein at hip and thigh level, left leg, subsequent encounter S75.212D S75.212S Minor laceration of greater saphenous vein at hip and thigh level, left leg, sequela S75.221A Major laceration of greater saphenous vein at hip and thigh level, right leg, initial encounter Major laceration of greater saphenous vein at hip and thigh level, right leg, subsequent encounter S75.221D S75.221S Major laceration of greater saphenous vein at hip and thigh level, right leg, seguela Major laceration of greater saphenous vein at hip and thigh level, left leg, initial encounter S75.222A S75.222D Major laceration of greater saphenous vein at hip and thigh level, left leg, subsequent encounter Major laceration of greater saphenous vein at hip and thigh level, left leg, sequela S75.222S Other specified injury of greater saphenous vein at hip and thigh level, right leg, initial encounter S75.291A Other specified injury of greater saphenous vein at hip and thigh level, right leg, subsequent S75.291D encounter S75.291S Other specified injury of greater saphenous vein at hip and thigh level, right leg, seguela S75.292A Other specified injury of greater saphenous vein at hip and thigh level, left leg, initial encounter Other specified injury of greater saphenous vein at hip and thigh level, left leg, subsequent S75.292D encounter S75.292S Other specified injury of greater saphenous vein at hip and thigh level, left leg, sequela S75.811A Laceration of other blood vessels at hip and thigh level, right leg, initial encounter S75.811D Laceration of other blood vessels at hip and thigh level, right leg, subsequent encounter S75.811S Laceration of other blood vessels at hip and thigh level, right leg, sequela S75.812A Laceration of other blood vessels at hip and thigh level, left leg, initial encounter S75.812D Laceration of other blood vessels at hip and thigh level, left leg, subsequent encounter S75.812S Laceration of other blood vessels at hip and thigh level, left leg, sequela S75.891A Other specified injury of other blood vessels at hip and thigh level, right leg, initial encounter S75.891D Other specified injury of other blood vessels at hip and thigh level, right leg, subsequent encounter S75.891S Other specified injury of other blood vessels at hip and thigh level, right leg, sequela S75.892A Other specified injury of other blood vessels at hip and thigh level, left leg, initial encounter Other specified injury of other blood vessels at hip and thigh level, left leg, subsequent encounter S75.892D Other specified injury of other blood vessels at hip and thigh level, left leg, sequela S75.892S Laceration of peroneal artery, right leg, initial encounter S85.211A S85.211D Laceration of peroneal artery, right leg, subsequent encounter Laceration of peroneal artery, right leg, seguela S85.211S S85.212A Laceration of peroneal artery, left leg, initial encounter S85.212D Laceration of peroneal artery, left leg, subsequent encounter S85.212S Laceration of peroneal artery, left leg, seguela S85.291A Other specified injury of peroneal artery, right leg, initial encounter S85.291D Other specified injury of peroneal artery, right leg, subsequent encounter S85.291S Other specified injury of peroneal artery, right leg, sequela S85.292A Other specified injury of peroneal artery, left leg, initial encounter S85.292D Other specified injury of peroneal artery, left leg, subsequent encounter S85.292S Other specified injury of peroneal artery, left leg, sequela S85.311A Laceration of greater saphenous vein at lower leg level, right leg, initial encounter Laceration of greater saphenous vein at lower leg level, right leg, subsequent encounter S85.311D S85.311S Laceration of greater saphenous vein at lower leg level, right leg, sequela S85.312A Laceration of greater saphenous vein at lower leg level, left leg, initial encounter Laceration of greater saphenous vein at lower leg level, left leg, subsequent encounter S85.312D S85.312S Laceration of greater saphenous vein at lower leg level, left leg, seguela S85.391A Other specified injury of greater saphenous vein at lower leg level, right leg, initial encounter S85.391D Other specified injury of greater saphenous vein at lower leg level, right leg, subsequent encounter S85.391S Other specified injury of greater saphenous vein at lower leg level, right leg, seguela S85.392A Other specified injury of greater saphenous vein at lower leg level, left leg, initial encounter Other specified injury of greater saphenous vein at lower leg level, left leg, subsequent encounter S85.392D S85.392S Other specified injury of greater saphenous vein at lower leg level, left leg, sequela S85.411A Laceration of lesser saphenous vein at lower leg level, right leg, initial encounter S85.411D Laceration of lesser saphenous vein at lower leg level, right leg, subsequent encounter Laceration of lesser saphenous vein at lower leg level, right leg, seguela S85.411S S85.412A Laceration of lesser saphenous vein at lower leg level, left leg, initial encounter S85.412D Laceration of lesser saphenous vein at lower leg level, left leg, subsequent encounter S85.412S Laceration of lesser saphenous vein at lower leg level, left leg, sequela

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ICD-10 Description Codes S85.491A Other specified injury of lesser saphenous vein at lower leg level, right leg, initial encounter S85.491D Other specified injury of lesser saphenous vein at lower leg level, right leg, subsequent encounter Other specified injury of lesser saphenous vein at lower leg level, right leg, seguela S85.491S Other specified injury of lesser saphenous vein at lower leg level, left leg, initial encounter S85.492A Other specified injury of lesser saphenous vein at lower leg level, left leg, subsequent encounter S85.492D Other specified injury of lesser saphenous vein at lower leg level, left leg, seguela S85.492S S85.511A Laceration of popliteal vein, right leg, initial encounter S85.511D Laceration of popliteal vein, right leg, subsequent encounter S85.511S Laceration of popliteal vein, right leg, seguela S85.512A Laceration of popliteal vein, left leg, initial encounter S85.512D Laceration of popliteal vein, left leg, subsequent encounter S85.512S Laceration of popliteal vein, left leg, seguela Other specified injury of popliteal vein, right leg, initial encounter S85.591A Other specified injury of popliteal vein, right leg, subsequent encounter S85.591D S85.591S Other specified injury of popliteal vein, right leg, sequela Other specified injury of popliteal vein, left leg, initial encounter S85.592A S85.592D Other specified injury of popliteal vein, left leg, subsequent encounter Other specified injury of popliteal vein, left leg, sequela S85.592S Laceration of other blood vessels at lower leg level, right leg, initial encounter S85.811A S85.811D Laceration of other blood vessels at lower leg level, right leg, subsequent encounter S85.811S Laceration of other blood vessels at lower leg level, right leg, sequela Laceration of other blood vessels at lower leg level, left leg, initial encounter S85.812A Laceration of other blood vessels at lower leg level, left leg, subsequent encounter S85.812D Laceration of other blood vessels at lower leg level, left leg, sequela S85.812S Other specified injury of other blood vessels at lower leg level, right leg, initial encounter S85.891A S85.891D Other specified injury of other blood vessels at lower leg level, right leg, subsequent encounter Other specified injury of other blood vessels at lower leg level, right leg, seguela S85.891S S85.892A Other specified injury of other blood vessels at lower leg level, left leg, initial encounter S85.892D Other specified injury of other blood vessels at lower leg level, left leg, subsequent encounter Other specified injury of other blood vessels at lower leg level, left leg, sequela S85.892S S95.011A Laceration of dorsal artery of right foot, initial encounter S95.011D Laceration of dorsal artery of right foot, subsequent encounter S95.011S Laceration of dorsal artery of right foot, sequela S95.012A Laceration of dorsal artery of left foot, initial encounter S95.012D Laceration of dorsal artery of left foot, subsequent encounter S95.012S Laceration of dorsal artery of left foot, seguela S95.091A Other specified injury of dorsal artery of right foot, initial encounter S95.091D Other specified injury of dorsal artery of right foot, subsequent encounter S95.091S Other specified injury of dorsal artery of right foot, sequela S95.092A Other specified injury of dorsal artery of left foot, initial encounter S95.092D Other specified injury of dorsal artery of left foot, subsequent encounter S95.092S Other specified injury of dorsal artery of left foot, sequela Laceration of dorsal vein of right foot, initial encounter S95.211A S95.211D Laceration of dorsal vein of right foot, subsequent encounter S95.211S Laceration of dorsal vein of right foot, sequela S95.212A Laceration of dorsal vein of left foot, initial encounter Laceration of dorsal vein of left foot, subsequent encounter S95.212D S95.212S Laceration of dorsal vein of left foot, sequela Other specified injury of dorsal vein of right foot, initial encounter S95.291A S95.291D Other specified injury of dorsal vein of right foot, subsequent encounter S95.291S Other specified injury of dorsal vein of right foot, sequela S95.292A Other specified injury of dorsal vein of left foot, initial encounter S95.292D Other specified injury of dorsal vein of left foot, subsequent encounter S95.292S Other specified injury of dorsal vein of left foot, sequela S95.811A Laceration of other blood vessels at ankle and foot level, right leg, initial encounter S95.811D Laceration of other blood vessels at ankle and foot level, right leg, subsequent encounter S95.811S Laceration of other blood vessels at ankle and foot level, right leg, seguela S95.812A Laceration of other blood vessels at ankle and foot level, left leg, initial encounter Printed on 12/9/2016. Page 45 of 76

ICD-10 Description Codes S95.812D Laceration of other blood vessels at ankle and foot level, left leg, subsequent encounter S95.812S Laceration of other blood vessels at ankle and foot level, left leg, sequela S95.891A Other specified injury of other blood vessels at ankle and foot level, right leg, initial encounter Other specified injury of other blood vessels at ankle and foot level, right leg, subsequent S95.891D encounter Other specified injury of other blood vessels at ankle and foot level, right leg, seguela S95.891S S95.892A Other specified injury of other blood vessels at ankle and foot level, left leg, initial encounter S95.892D Other specified injury of other blood vessels at ankle and foot level, left leg, subsequent encounter S95.892S Other specified injury of other blood vessels at ankle and foot level, left leg, seguela T80.1XXA Vascular complications following infusion, transfusion and therapeutic injection, initial encounter Vascular complications following infusion, transfusion and therapeutic injection, subsequent T80.1XXD encounter T80.1XXS Vascular complications following infusion, transfusion and therapeutic injection, sequela T81.718A Complication of other artery following a procedure, not elsewhere classified, initial encounter T81.718D Complication of other artery following a procedure, not elsewhere classified, subsequent encounter T81.718S Complication of other artery following a procedure, not elsewhere classified, sequela T81.72XA Complication of vein following a procedure, not elsewhere classified, initial encounter T81.72XD Complication of vein following a procedure, not elsewhere classified, subsequent encounter T81.72XS Complication of vein following a procedure, not elsewhere classified, seguela T82.312A Breakdown (mechanical) of femoral arterial graft (bypass), initial encounter T82.312D Breakdown (mechanical) of femoral arterial graft (bypass), subsequent encounter T82.312S Breakdown (mechanical) of femoral arterial graft (bypass), sequela T82.318A Breakdown (mechanical) of other vascular grafts, initial encounter Breakdown (mechanical) of other vascular grafts, subsequent encounter T82.318D T82.318S Breakdown (mechanical) of other vascular grafts, sequela T82.322A Displacement of femoral arterial graft (bypass), initial encounter T82.322D Displacement of femoral arterial graft (bypass), subsequent encounter T82.322S Displacement of femoral arterial graft (bypass), sequela T82.328A Displacement of other vascular grafts, initial encounter T82.328D Displacement of other vascular grafts, subsequent encounter T82.328S Displacement of other vascular grafts, seguela T82.332A Leakage of femoral arterial graft (bypass), initial encounter T82.332D Leakage of femoral arterial graft (bypass), subsequent encounter T82.332S Leakage of femoral arterial graft (bypass), seguela T82.338A Leakage of other vascular grafts, initial encounter T82.338D Leakage of other vascular grafts, subsequent encounter Leakage of other vascular grafts, sequela T82.338S T82.392A Other mechanical complication of femoral arterial graft (bypass), initial encounter T82.392D Other mechanical complication of femoral arterial graft (bypass), subsequent encounter T82.392S Other mechanical complication of femoral arterial graft (bypass), sequela T82.398A Other mechanical complication of other vascular grafts, initial encounter T82.398D Other mechanical complication of other vascular grafts, subsequent encounter T82.398S Other mechanical complication of other vascular grafts, sequela Breakdown (mechanical) of vascular dialysis catheter, initial encounter T82.41XA T82.41XD Breakdown (mechanical) of vascular dialysis catheter, subsequent encounter T82.41XS Breakdown (mechanical) of vascular dialysis catheter, sequela T82.42XA Displacement of vascular dialysis catheter, initial encounter T82.42XD Displacement of vascular dialysis catheter, subsequent encounter T82.42XS Displacement of vascular dialysis catheter, sequela T82.43XA Leakage of vascular dialysis catheter, initial encounter T82.43XD Leakage of vascular dialysis catheter, subsequent encounter T82.43XS Leakage of vascular dialysis catheter, sequela T82.49XA Other complication of vascular dialysis catheter, initial encounter T82.49XD Other complication of vascular dialysis catheter, subsequent encounter T82.49XS Other complication of vascular dialysis catheter, sequela T82.510A Breakdown (mechanical) of surgically created arteriovenous fistula, initial encounter T82.510D Breakdown (mechanical) of surgically created arteriovenous fistula, subsequent encounter T82.510S Breakdown (mechanical) of surgically created arteriovenous fistula, sequela Printed on 12/9/2016. Page 46 of 76

ICD-10 Description Codes T82.511A Breakdown (mechanical) of surgically created arteriovenous shunt, initial encounter T82.511D Breakdown (mechanical) of surgically created arteriovenous shunt, subsequent encounter T82.511S Breakdown (mechanical) of surgically created arteriovenous shunt, sequela T82.513A Breakdown (mechanical) of balloon (counterpulsation) device, initial encounter T82.513D Breakdown (mechanical) of balloon (counterpulsation) device, subsequent encounter Breakdown (mechanical) of balloon (counterpulsation) device, sequela T82.513S T82.514A Breakdown (mechanical) of infusion catheter, initial encounter T82.514D Breakdown (mechanical) of infusion catheter, subsequent encounter T82.514S Breakdown (mechanical) of infusion catheter, sequela T82.515A Breakdown (mechanical) of umbrella device, initial encounter T82.515D Breakdown (mechanical) of umbrella device, subsequent encounter T82.515S Breakdown (mechanical) of umbrella device, sequela Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter T82.518A Breakdown (mechanical) of other cardiac and vascular devices and implants, subsequent T82.518D encounter T82.518S Breakdown (mechanical) of other cardiac and vascular devices and implants, sequela T82.520A Displacement of surgically created arteriovenous fistula, initial encounter T82.520D Displacement of surgically created arteriovenous fistula, subsequent encounter T82.520S Displacement of surgically created arteriovenous fistula, sequela T82.521A Displacement of surgically created arteriovenous shunt, initial encounter T82.521D Displacement of surgically created arteriovenous shunt, subsequent encounter T82.521S Displacement of surgically created arteriovenous shunt, sequela T82.523A Displacement of balloon (counterpulsation) device, initial encounter T82.523D Displacement of balloon (counterpulsation) device, subsequent encounter T82.523S Displacement of balloon (counterpulsation) device, sequela T82.524A Displacement of infusion catheter, initial encounter T82.524D Displacement of infusion catheter, subsequent encounter T82.524S Displacement of infusion catheter, sequela T82.525A Displacement of umbrella device, initial encounter T82.525D Displacement of umbrella device, subsequent encounter T82.525S Displacement of umbrella device, seguela T82.528A Displacement of other cardiac and vascular devices and implants, initial encounter T82.528D Displacement of other cardiac and vascular devices and implants, subsequent encounter T82.528S Displacement of other cardiac and vascular devices and implants, sequela T82.530A Leakage of surgically created arteriovenous fistula, initial encounter T82.530D Leakage of surgically created arteriovenous fistula, subsequent encounter T82.530S Leakage of surgically created arteriovenous fistula, seguela T82.531A Leakage of surgically created arteriovenous shunt, initial encounter T82.531D Leakage of surgically created arteriovenous shunt, subsequent encounter T82.531S Leakage of surgically created arteriovenous shunt, seguela T82.533A Leakage of balloon (counterpulsation) device, initial encounter T82.533D Leakage of balloon (counterpulsation) device, subsequent encounter T82.533S Leakage of balloon (counterpulsation) device, sequela T82.534A Leakage of infusion catheter, initial encounter T82.534D Leakage of infusion catheter, subsequent encounter T82.534S Leakage of infusion catheter, sequela T82.535A Leakage of umbrella device, initial encounter T82.535D Leakage of umbrella device, subsequent encounter T82.535S Leakage of umbrella device, sequela T82.538A Leakage of other cardiac and vascular devices and implants, initial encounter T82.538D Leakage of other cardiac and vascular devices and implants, subsequent encounter T82.538S Leakage of other cardiac and vascular devices and implants, sequela T82.590A Other mechanical complication of surgically created arteriovenous fistula, initial encounter T82.590D Other mechanical complication of surgically created arteriovenous fistula, subsequent encounter T82.590S Other mechanical complication of surgically created arteriovenous fistula, sequela T82.591A Other mechanical complication of surgically created arteriovenous shunt, initial encounter T82.591D Other mechanical complication of surgically created arteriovenous shunt, subsequent encounter T82.591S Other mechanical complication of surgically created arteriovenous shunt, sequela

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ICD-10 Codes	Description
T82.593A	Other mechanical complication of balloon (counterpulsation) device, initial encounter
T82.593D	Other mechanical complication of balloon (counterpulsation) device, subsequent encounter
T82.593S	Other mechanical complication of balloon (counterpulsation) device, sequela
T82.594A	Other mechanical complication of infusion catheter, initial encounter
T82.594D	Other mechanical complication of infusion catheter, subsequent encounter
T82.594S	Other mechanical complication of infusion catheter, sequela
T82.595A	Other mechanical complication of umbrella device, initial encounter
T82.595D	Other mechanical complication of umbrella device, subsequent encounter
T82.595S	Other mechanical complication of umbrella device, sequela
T82.598A	Other mechanical complication of other cardiac and vascular devices and implants, initial encounter
T82.598D	Other mechanical complication of other cardiac and vascular devices and implants, subsequent encounter
T82.598S	Other mechanical complication of other cardiac and vascular devices and implants, sequela
T82.7XXA	Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, initial encounter
T82.7XXD	Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, subsequent encounter
T82.7XXS	Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, sequela
T82.818A	Embolism due to vascular prosthetic devices, implants and grafts, initial encounter
T82.818D	Embolism due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.818S	Embolism due to vascular prosthetic devices, implants and grafts, sequela
T82.828A	Fibrosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.828D	Fibrosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.828S	Fibrosis due to vascular prosthetic devices, implants and grafts, sequela
T82.838A	Hemorrhage due to vascular prosthetic devices, implants and grafts, initial encounter
T82.838D	Hemorrhage due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.838S	Hemorrhage due to vascular prosthetic devices, implants and grafts, sequela
T82.848A	Pain due to vascular prosthetic devices, implants and grafts, initial encounter
T82.848D	Pain due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.848S	Pain due to vascular prosthetic devices, implants and grafts, sequela
T82.858A	Stenosis of other vascular prosthetic devices, implants and grafts, initial encounter
T82.858D	Stenosis of other vascular prosthetic devices, implants and grafts, subsequent encounter
T82.858S	Stenosis of other vascular prosthetic devices, implants and grafts, sequela
T82.868A	Thrombosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.868D	Thrombosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.868S	Thrombosis due to vascular prosthetic devices, implants and grafts, sequela
T82.898A	Other specified complication of vascular prosthetic devices, implants and grafts, initial encounter
T82.898D	Other specified complication of vascular prosthetic devices, implants and grafts, subsequent encounter
T82.898S	Other specified complication of vascular prosthetic devices, implants and grafts, sequela
Z86.711	Personal history of pulmonary embolism
Z86.718	Personal history of other venous thrombosis and embolism
Z86.72	Personal history of thrombophlebitis

Group 5 Paragraph: Visceral Vascular Studies (93975, 93976, 93978, 93979)

Use ICD-10-CM codes I10, I12.0, I12.9, I15.0 to report accelerated hypertension. Use ICD-10-CM code I86.4 for gastric varices. Use ICD-10-CM code R09.89 to report an abdominal bruit.

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Description

ICD-10 Codes	Description
C22.1	Intrahepatic bile duct carcinoma
C22.2	Hepatoblastoma
C22.3	Angiosarcoma of liver
C22.4	Other sarcomas of liver
C22.7	Other specified carcinomas of liver
F52.21	Male erectile disorder
F52.22	Female sexual arousal disorder
F52.8	Other sexual dysfunction not due to a substance or known physiological condition
I10	Essential (primary) hypertension
I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease
I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
I15.0	Renovascular hypertension
I15.1	Hypertension secondary to other renal disorders
I16.0	Hypertensive urgency
I16.1	Hypertensive emergency
I16.9	Hypertensive crisis, unspecified
I26.01	Septic pulmonary embolism with acute cor pulmonale
I26.02	Saddle embolus of pulmonary artery with acute cor pulmonale
I26.09	Other pulmonary embolism with acute cor pulmonale
I26.90	Septic pulmonary embolism without acute cor pulmonale
I26.92	Saddle embolus of pulmonary artery without acute cor pulmonale
I26.99	Other pulmonary embolism without acute cor pulmonale
I27.82	Chronic pulmonary embolism
170.0	Atherosclerosis of aorta
I70.1	Atherosclerosis of renal artery
I71.01	Dissection of thoracic aorta
I71.02	Dissection of abdominal aorta
I71.03	Dissection of thoracoabdominal aorta
I71.1	Thoracic aortic aneurysm, ruptured
I71.2	Thoracic aortic aneurysm, without rupture
I71.3	Abdominal aortic aneurysm, ruptured
I71.4	Abdominal aortic aneurysm, without rupture
I71.5	Thoracoabdominal aortic aneurysm, ruptured
I71.6	Thoracoabdominal aortic aneurysm, without rupture
I72.2	Aneurysm of renal artery
I72.3	Aneurysm of iliac artery
I72.4	Aneurysm of artery of lower extremity
172.8	Aneurysm of other specified arteries
I74.01	Saddle embolus of abdominal aorta
174.09	Other arterial embolism and thrombosis of abdominal aorta
I74.11	Embolism and thrombosis of thoracic aorta
I74.19	Embolism and thrombosis of other parts of aorta
174.5	Embolism and thrombosis of iliac artery
174.8	Embolism and thrombosis of other arteries
175.81	Atheroembolism of kidney
176	Septic arterial embolism
177.3	Arterial fibromuscular dysplasia
177.4	Celiac artery compression syndrome
I77.70	Dissection of unspecified artery
177.72	Dissection of iliac artery
177.73	Dissection of renal artery
177.810	Thoracic aortic ectasia
177.811	Abdominal aortic ectasia
177.812	Thoracoabdominal aortic ectasia
I80.211	Phlebitis and thrombophlebitis of right iliac vein
I80.212	Phlebitis and thrombophlebitis of left iliac vein
I80.213	Phlebitis and thrombophlebitis of iliac vein, bilateral
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ICD-10 Codes	Description
I81	Portal vein thrombosis
182.0	Budd-Chiari syndrome
I82.220	Acute embolism and thrombosis of inferior vena cava
I82.221	Chronic embolism and thrombosis of inferior vena cava
I82.3	Embolism and thrombosis of renal vein
185.00	Esophageal varices without bleeding
I85.01	Esophageal varices with bleeding
186.4	Gastric varices
186.8	Varicose veins of other specified sites
I87.1	Compression of vein
<u>K55.011 -</u> K55.069	Focal (segmental) acute (reversible) ischemia of small intestine - Acute infarction of intestine, part and extent unspecified
K55.1	Chronic vascular disorders of intestine
K70.2	Alcoholic fibrosis and sclerosis of liver
K70.30	Alcoholic cirrhosis of liver without ascites
K70.31	Alcoholic cirrhosis of liver with ascites
K70.41	Alcoholic hepatic failure with coma
K71.11	Toxic liver disease with hepatic necrosis, with coma
K72.00	Acute and subacute hepatic failure without coma
K72.01	Acute and subacute hepatic failure with coma
K72.11	Chronic hepatic failure with coma
K74.0	Hepatic fibrosis
K74.3	Primary biliary cirrhosis
K74.4	Secondary biliary cirrhosis
K74.60	Unspecified cirrhosis of liver
K74.69	Other cirrhosis of liver
K75.1	Phlebitis of portal vein
K76.2	Central hemorrhagic necrosis of liver
K76.6	Portal hypertension
K76.7	Hepatorenal syndrome
M31.4	Aortic arch syndrome [Takayasu]
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
N26.2 N27.0	Page kidney Small kidney, unilateral
N27.1	Small kidney, bilateral
N28.0	Ischemia and infarction of kidney
N44.01	Extravaginal torsion of spermatic cord
N44.02	Intravaginal torsion of spermatic cord
N44.03	Torsion of appendix testis
N44.04	Torsion of appendix epididymis
N45.1	Epididymitis
N45.2	Orchitis
N45.3	Epididymo-orchitis
N45.4	Abscess of epididymis or testis
N50.1	Vascular disorders of male genital organs
N50.811	Right testicular pain
N50.812	Left testicular pain
N50.819	Testicular pain, unspecified
N50.82	Scrotal pain
N50.89	Other specified disorders of the male genital organs
N50.9	Disorder of male genital organs, unspecified
N51	Disorders of male genital organs in diseases classified elsewhere
N52.01	Erectile dysfunction due to arterial insufficiency
N52.02	Corporo-venous occlusive erectile dysfunction
N52.03	Combined arterial insufficiency and corporo-venous occlusive erectile dysfunction
N52.1	Erectile dysfunction due to diseases classified elsewhere

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ICD-10 Codes	Description
N52.2	Drug-induced erectile dysfunction
N52.31	Erectile dysfunction following radical prostatectomy
N52.32	Erectile dysfunction following radical cystectomy
N52.33	Erectile dysfunction following urethral surgery
N52.34	Erectile dysfunction following simple prostatectomy
N52.39	Other and unspecified postprocedural erectile dysfunction
N52.8	Other male erectile dysfunction
N83.511	Torsion of right ovary and ovarian pedicle
N83.512	Torsion of left ovary and ovarian pedicle
N83.519	Torsion of ovary and ovarian pedicle, unspecified side
N83.521	Torsion of right fallopian tube
N83.522	Torsion of left fallopian tube
N83.529	Torsion of fallopian tube, unspecified side
N83.53	Torsion of ovary, ovarian pedicle and fallopian tube
N83.6	Hematosalpinx
N83.8	Other noninflammatory disorders of ovary, fallopian tube and broad ligament
N99.83	Residual ovary syndrome
022.31	Deep phlebothrombosis in pregnancy, first trimester
022.32	Deep phlebothrombosis in pregnancy, second trimester
022.33	Deep phlebothrombosis in pregnancy, third trimester
086.81	Puerperal septic thrombophlebitis
087.1	Deep phlebothrombosis in the puerperium
R09.89	Other specified symptoms and signs involving the circulatory and respiratory systems
R10.11	Right upper quadrant pain
R10.12	Left upper quadrant pain
R10.13	Epigastric pain
R10.2	Pelvic and perineal pain
R10.31	Right lower quadrant pain
R10.32	Left lower quadrant pain
R10.33	Periumbilical pain
R10.84	Generalized abdominal pain
R16.0	Hepatomegaly, not elsewhere classified
R16.1	Splenomegaly, not elsewhere classified
R16.2	Hepatomegaly with splenomegaly, not elsewhere classified
R18.0	Malignant ascites
R18.8	Other ascites
R74.0	Nonspecific elevation of levels of transaminase and lactic acid dehydrogenase [LDH]
S25.01XS	Minor laceration of thoracic aorta, sequela
S25.02XS	Major laceration of thoracic aorta, sequela
S25.09XS	Other specified injury of thoracic aorta, sequela
S25.111S S25.112S	Minor laceration of right innominate or subclavian artery, sequela Minor laceration of left innominate or subclavian artery, sequela
S25.121S	Major laceration of right innominate or subclavian artery, sequela
S25.1215 S25.122S	Major laceration of left innominate or subclavian artery, sequela
S25.191S	Other specified injury of right innominate or subclavian artery, sequela
S25.1915	Other specified injury of left innominate or subclavian artery, sequela
S25.21XS	Minor laceration of superior vena cava, sequela
S25.22XS	Major laceration of superior vena cava, sequela
S25.29XS	Other specified injury of superior vena cava, sequela
S25.311S	Minor laceration of right innominate or subclavian vein, sequela
S25.312S	Minor laceration of left innominate or subclavian vein, sequela
S25.321S	Major laceration of right innominate or subclavian vein, sequela
S25.322S	Major laceration of left innominate or subclavian vein, sequela
S25.391S	Other specified injury of right innominate or subclavian vein, sequela
S25.392S	Other specified injury of left innominate or subclavian vein, sequela
S25.411S	Minor laceration of right pulmonary blood vessels, sequela
S25.412S	Minor laceration of left pulmonary blood vessels, sequela
S25.421S	Major laceration of right pulmonary blood vessels, sequela

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ICD-10 Codes Description S25.422S Major laceration of left pulmonary blood vessels, sequela S25.491S Other specified injury of right pulmonary blood vessels, sequela S25.492S Other specified injury of left pulmonary blood vessels, sequela Laceration of intercostal blood vessels, right side, sequela S25.511S S25.512S Laceration of intercostal blood vessels, left side, sequela S25.591S Other specified injury of intercostal blood vessels, right side, sequela Other specified injury of intercostal blood vessels, left side, sequela S25.592S S25.811S Laceration of other blood vessels of thorax, right side, sequela S25.812S Laceration of other blood vessels of thorax, left side, sequela Other specified injury of other blood vessels of thorax, right side, sequela S25.891S S25.892S Other specified injury of other blood vessels of thorax, left side, sequela Minor laceration of abdominal aorta, initial encounter S35.01XA Minor laceration of abdominal aorta, subsequent encounter S35.01XD S35.01XS Minor laceration of abdominal aorta, sequela S35.02XA Major laceration of abdominal aorta, initial encounter S35.02XD Major laceration of abdominal aorta, subsequent encounter Major laceration of abdominal aorta, sequela S35.02XS S35.09XA Other injury of abdominal aorta, initial encounter S35.09XD Other injury of abdominal aorta, subsequent encounter S35.09XS Other injury of abdominal aorta, sequela S35.11XA Minor laceration of inferior vena cava, initial encounter S35.11XD Minor laceration of inferior vena cava, subsequent encounter S35.11XS Minor laceration of inferior vena cava, sequela S35.12XA Major laceration of inferior vena cava, initial encounter S35.12XD Major laceration of inferior vena cava, subsequent encounter S35.12XS Major laceration of inferior vena cava, sequela S35.19XA Other injury of inferior vena cava, initial encounter S35.19XD Other injury of inferior vena cava, subsequent encounter S35.19XS Other injury of inferior vena cava, sequela S35.211A Minor laceration of celiac artery, initial encounter S35.211D Minor laceration of celiac artery, subsequent encounter Minor laceration of celiac artery, sequela S35.211S S35.212A Major laceration of celiac artery, initial encounter S35.212D Major laceration of celiac artery, subsequent encounter S35.212S Major laceration of celiac artery, sequela S35.218A Other injury of celiac artery, initial encounter Other injury of celiac artery, subsequent encounter S35.218D S35.218S Other injury of celiac artery, sequela Minor laceration of superior mesenteric artery, initial encounter S35.221A S35.221D Minor laceration of superior mesenteric artery, subsequent encounter S35.221S Minor laceration of superior mesenteric artery, sequela S35.222A Major laceration of superior mesenteric artery, initial encounter S35.222D Major laceration of superior mesenteric artery, subsequent encounter S35.222S Major laceration of superior mesenteric artery, sequela S35.228A Other injury of superior mesenteric artery, initial encounter S35.228D Other injury of superior mesenteric artery, subsequent encounter S35.228S Other injury of superior mesenteric artery, sequela S35.231A Minor laceration of inferior mesenteric artery, initial encounter S35.231D Minor laceration of inferior mesenteric artery, subsequent encounter S35.231S Minor laceration of inferior mesenteric artery, sequela S35.232A Major laceration of inferior mesenteric artery, initial encounter S35.232D Major laceration of inferior mesenteric artery, subsequent encounter S35.232S Major laceration of inferior mesenteric artery, sequela Other injury of inferior mesenteric artery, initial encounter S35.238A S35.238D Other injury of inferior mesenteric artery, subsequent encounter S35.238S Other injury of inferior mesenteric artery, sequela S35.291A Minor laceration of branches of celiac and mesenteric artery, initial encounter S35.291D Minor laceration of branches of celiac and mesenteric artery, subsequent encounter

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S35.291S Minor laceration of branches of celiac and mesenteric artery, sequela S35.292A Major laceration of branches of celiac and mesenteric artery, initial encounter Major laceration of branches of celiac and mesenteric artery, subsequent encounter S35.292D Major laceration of branches of celiac and mesenteric artery, sequela S35.292S S35.298A Other injury of branches of celiac and mesenteric artery, initial encounter S35.298D Other injury of branches of celiac and mesenteric artery, subsequent encounter S35.298S Other injury of branches of celiac and mesenteric artery, sequela S35.311A Laceration of portal vein, initial encounter S35.311D Laceration of portal vein, subsequent encounter S35.311S Laceration of portal vein, sequela S35.318A Other specified injury of portal vein, initial encounter Other specified injury of portal vein, subsequent encounter S35.318D S35.318S Other specified injury of portal vein, sequela S35.321A Laceration of splenic vein, initial encounter S35.321D Laceration of splenic vein, subsequent encounter S35.321S Laceration of splenic vein, sequela Other specified injury of splenic vein, initial encounter S35.328A S35.328D Other specified injury of splenic vein, subsequent encounter S35.328S Other specified injury of splenic vein, sequela S35.331A Laceration of superior mesenteric vein, initial encounter S35.331D Laceration of superior mesenteric vein, subsequent encounter S35.331S Laceration of superior mesenteric vein, sequela Other specified injury of superior mesenteric vein, initial encounter S35.338A S35.338D Other specified injury of superior mesenteric vein, subsequent encounter S35.338S Other specified injury of superior mesenteric vein, sequela S35.341A Laceration of inferior mesenteric vein, initial encounter S35.341D Laceration of inferior mesenteric vein, subsequent encounter S35.341S Laceration of inferior mesenteric vein, sequela S35.348A Other specified injury of inferior mesenteric vein, initial encounter S35.348D Other specified injury of inferior mesenteric vein, subsequent encounter S35.348S Other specified injury of inferior mesenteric vein, sequela Laceration of right renal artery, initial encounter S35.411A S35.411D Laceration of right renal artery, subsequent encounter S35.411S Laceration of right renal artery, sequela S35.412A Laceration of left renal artery, initial encounter Laceration of left renal artery, subsequent encounter S35.412D Laceration of left renal artery, sequela S35.412S S35.414A Laceration of right renal vein, initial encounter Laceration of right renal vein, subsequent encounter S35.414D S35.414S Laceration of right renal vein, sequela S35.415A Laceration of left renal vein, initial encounter S35.415D Laceration of left renal vein, subsequent encounter S35.415S Laceration of left renal vein, sequela S35.491A Other specified injury of right renal artery, initial encounter S35.491D Other specified injury of right renal artery, subsequent encounter S35.491S Other specified injury of right renal artery, seguela Other specified injury of left renal artery, initial encounter S35.492A S35.492D Other specified injury of left renal artery, subsequent encounter S35.492S Other specified injury of left renal artery, sequela Other specified injury of right renal vein, initial encounter S35.494A S35.494D Other specified injury of right renal vein, subsequent encounter S35.494S Other specified injury of right renal vein, sequela S35.495A Other specified injury of left renal vein, initial encounter S35.495D Other specified injury of left renal vein, subsequent encounter Other specified injury of left renal vein, sequela S35.495S S35.511A Injury of right iliac artery, initial encounter S35.511D Injury of right iliac artery, subsequent encounter S35.511S Injury of right iliac artery, sequela

Description

ICD-10 Codes

ICD-10 Codes	Description
S35.512A	Injury of left iliac artery, initial encounter
S35.512D	Injury of left iliac artery, subsequent encounter
S35.512S	Injury of left iliac artery, sequela
S35.514A	Injury of right iliac vein, initial encounter
S35.514D	Injury of right iliac vein, subsequent encounter
S35.514S	Injury of right iliac vein, sequela
S35.515A	Injury of left iliac vein, initial encounter
S35.515D	Injury of left iliac vein, subsequent encounter
S35.515S	Injury of left iliac vein, sequela
S35.531A	Injury of right uterine artery, initial encounter
S35.531D	Injury of right uterine artery, subsequent encounter
S35.531S	Injury of right uterine artery, sequela
S35.532A	Injury of left uterine artery, initial encounter
S35.532D	Injury of left uterine artery, subsequent encounter
S35.532S	Injury of left uterine artery, sequela
S35.534A	Injury of right uterine vein, initial encounter
S35.534D	Injury of right uterine vein, subsequent encounter
S35.534S	Injury of right uterine vein, sequela
S35.535A	Injury of left uterine vein, initial encounter
S35.535D	Injury of left uterine vein, subsequent encounter
S35.535S	Injury of left uterine vein, sequela
S35.59XA	Injury of other iliac blood vessels, initial encounter
S35.59XD S35.59XS	Injury of other iliac blood vessels, subsequent encounter Injury of other iliac blood vessels, sequela
S35.8X1A	Laceration of other blood vessels, sequela Laceration of other blood vessels at abdomen, lower back and pelvis level, initial encounter
	Laceration of other blood vessels at abdomen, lower back and pelvis level, initial encounter Laceration of other blood vessels at abdomen, lower back and pelvis level, subsequent
S35.8X1D	encounter
S35.8X1S	Laceration of other blood vessels at abdomen, lower back and pelvis level, sequela
S35.8X8A	Other specified injury of other blood vessels at abdomen, lower back and pelvis level, initial
333.0A0A	encounter
S35.8X8D	Other specified injury of other blood vessels at abdomen, lower back and pelvis level, subsequent encounter
S35.8X8S	Other specified injury of other blood vessels at abdomen, lower back and pelvis level, sequela
	Complication of mesenteric artery following a procedure, not elsewhere classified, initial
T81.710A	encounter
T81.710D	Complication of mesenteric artery following a procedure, not elsewhere classified, subsequent
T01 710C	encounter
T81.710S T81.711A	Complication of mesenteric artery following a procedure, not elsewhere classified, sequela
181./11A	Complication of renal artery following a procedure, not elsewhere classified, initial encounter Complication of renal artery following a procedure, not elsewhere classified, subsequent
T81.711D	encounter
T81.711S	Complication of renal artery following a procedure, not elsewhere classified, sequela
T81.718A	Complication of other artery following a procedure, not elsewhere classified, initial encounter
	Complication of other artery following a procedure, not elsewhere classified, subsequent
T81.718D	encounter
T81.718S	Complication of other artery following a procedure, not elsewhere classified, sequela
T81.72XA	Complication of vein following a procedure, not elsewhere classified, initial encounter
T81.72XD	Complication of vein following a procedure, not elsewhere classified, subsequent encounter
T81.72XS	Complication of vein following a procedure, not elsewhere classified, sequela
T82.310A	Breakdown (mechanical) of aortic (bifurcation) graft (replacement), initial encounter
T82.310D	Breakdown (mechanical) of aortic (bifurcation) graft (replacement), subsequent encounter
T82.310S	Breakdown (mechanical) of aortic (bifurcation) graft (replacement), sequela
T82.311A	Breakdown (mechanical) of carotid arterial graft (bypass), initial encounter
T82.311D	Breakdown (mechanical) of carotid arterial graft (bypass), subsequent encounter
T82.311S	Breakdown (mechanical) of carotid arterial graft (bypass), sequela
T82.312A	Breakdown (mechanical) of femoral arterial graft (bypass), initial encounter
T82.312D T82.312S	Breakdown (mechanical) of femoral arterial graft (bypass), subsequent encounter Breakdown (mechanical) of femoral arterial graft (bypass), sequela
T82.3125	Breakdown (mechanical) of other vascular grafts, initial encounter
10213104	Breakdown (meenamear) or other vascalar grants, mittar chebanter

ICD-10 Codes Description T82.318D Breakdown (mechanical) of other vascular grafts, subsequent encounter T82.318S Breakdown (mechanical) of other vascular grafts, sequela T82.320A Displacement of aortic (bifurcation) graft (replacement), initial encounter T82.320D Displacement of aortic (bifurcation) graft (replacement), subsequent encounter T82.320S Displacement of aortic (bifurcation) graft (replacement), sequela T82.321A Displacement of carotid arterial graft (bypass), initial encounter T82.321D Displacement of carotid arterial graft (bypass), subsequent encounter T82.321S Displacement of carotid arterial graft (bypass), sequela T82.322A Displacement of femoral arterial graft (bypass), initial encounter T82.322D Displacement of femoral arterial graft (bypass), subsequent encounter T82.322S Displacement of femoral arterial graft (bypass), sequela T82.328A Displacement of other vascular grafts, initial encounter T82.328D Displacement of other vascular grafts, subsequent encounter T82.328S Displacement of other vascular grafts, seguela T82.330A Leakage of aortic (bifurcation) graft (replacement), initial encounter T82.330D Leakage of aortic (bifurcation) graft (replacement), subsequent encounter T82.330S Leakage of aortic (bifurcation) graft (replacement), sequela T82.331A Leakage of carotid arterial graft (bypass), initial encounter T82.331D Leakage of carotid arterial graft (bypass), subsequent encounter T82.331S Leakage of carotid arterial graft (bypass), sequela T82.332A Leakage of femoral arterial graft (bypass), initial encounter T82.332D Leakage of femoral arterial graft (bypass), subsequent encounter T82.332S Leakage of femoral arterial graft (bypass), sequela T82.338A Leakage of other vascular grafts, initial encounter T82.338D Leakage of other vascular grafts, subsequent encounter T82.338S Leakage of other vascular grafts, seguela Other mechanical complication of aortic (bifurcation) graft (replacement), initial encounter T82.390A T82.390D Other mechanical complication of aortic (bifurcation) graft (replacement), subsequent encounter T82.390S Other mechanical complication of aortic (bifurcation) graft (replacement), sequela T82.391A Other mechanical complication of carotid arterial graft (bypass), initial encounter T82.391D Other mechanical complication of carotid arterial graft (bypass), subsequent encounter T82.391S Other mechanical complication of carotid arterial graft (bypass), sequela T82.392A Other mechanical complication of femoral arterial graft (bypass), initial encounter T82.392D Other mechanical complication of femoral arterial graft (bypass), subsequent encounter T82.392S Other mechanical complication of femoral arterial graft (bypass), sequela T82.398A Other mechanical complication of other vascular grafts, initial encounter T82.398D Other mechanical complication of other vascular grafts, subsequent encounter T82.398S Other mechanical complication of other vascular grafts, sequela T82.41XA Breakdown (mechanical) of vascular dialysis catheter, initial encounter T82.41XD Breakdown (mechanical) of vascular dialysis catheter, subsequent encounter T82.41XS Breakdown (mechanical) of vascular dialysis catheter, sequela T82.42XA Displacement of vascular dialysis catheter, initial encounter T82.42XD Displacement of vascular dialysis catheter, subsequent encounter T82.42XS Displacement of vascular dialysis catheter, sequela T82.43XA Leakage of vascular dialysis catheter, initial encounter T82.43XD Leakage of vascular dialysis catheter, subsequent encounter Leakage of vascular dialysis catheter, sequela T82.43XS T82.49XA Other complication of vascular dialysis catheter, initial encounter T82.49XD Other complication of vascular dialysis catheter, subsequent encounter T82.49XS Other complication of vascular dialysis catheter, sequela T82.510A Breakdown (mechanical) of surgically created arteriovenous fistula, initial encounter T82.510D Breakdown (mechanical) of surgically created arteriovenous fistula, subsequent encounter T82.510S Breakdown (mechanical) of surgically created arteriovenous fistula, sequela T82.511A Breakdown (mechanical) of surgically created arteriovenous shunt, initial encounter T82.511D Breakdown (mechanical) of surgically created arteriovenous shunt, subsequent encounter T82.511S Breakdown (mechanical) of surgically created arteriovenous shunt, seguela T82.513A Breakdown (mechanical) of balloon (counterpulsation) device, initial encounter Breakdown (mechanical) of balloon (counterpulsation) device, subsequent encounter T82.513D

ICD-10 Codes Description T82.513S Breakdown (mechanical) of balloon (counterpulsation) device, sequela T82.514A Breakdown (mechanical) of infusion catheter, initial encounter T82.514D Breakdown (mechanical) of infusion catheter, subsequent encounter T82.514S Breakdown (mechanical) of infusion catheter, sequela T82.515A Breakdown (mechanical) of umbrella device, initial encounter T82.515D Breakdown (mechanical) of umbrella device, subsequent encounter Breakdown (mechanical) of umbrella device, sequela T82.515S T82.518A Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter Breakdown (mechanical) of other cardiac and vascular devices and implants, subsequent T82.518D encounter T82.518S Breakdown (mechanical) of other cardiac and vascular devices and implants, sequela T82.520A Displacement of surgically created arteriovenous fistula, initial encounter T82.520D Displacement of surgically created arteriovenous fistula, subsequent encounter T82.520S Displacement of surgically created arteriovenous fistula, sequela T82.521A Displacement of surgically created arteriovenous shunt, initial encounter T82.521D Displacement of surgically created arteriovenous shunt, subsequent encounter T82.521S Displacement of surgically created arteriovenous shunt, sequela T82.523A Displacement of balloon (counterpulsation) device, initial encounter Displacement of balloon (counterpulsation) device, subsequent encounter T82.523D Displacement of balloon (counterpulsation) device, sequela T82.523S T82.524A Displacement of infusion catheter, initial encounter T82.524D Displacement of infusion catheter, subsequent encounter T82.524S Displacement of infusion catheter, sequela T82.525A Displacement of umbrella device, initial encounter T82.525D Displacement of umbrella device, subsequent encounter T82.525S Displacement of umbrella device, sequela Displacement of other cardiac and vascular devices and implants, initial encounter T82.528A Displacement of other cardiac and vascular devices and implants, subsequent encounter T82.528D T82.528S Displacement of other cardiac and vascular devices and implants, sequela T82.530A Leakage of surgically created arteriovenous fistula, initial encounter T82.530D Leakage of surgically created arteriovenous fistula, subsequent encounter T82.530S Leakage of surgically created arteriovenous fistula, sequela T82.531A Leakage of surgically created arteriovenous shunt, initial encounter T82.531D Leakage of surgically created arteriovenous shunt, subsequent encounter T82.531S Leakage of surgically created arteriovenous shunt, seguela T82.533A Leakage of balloon (counterpulsation) device, initial encounter T82.533D Leakage of balloon (counterpulsation) device, subsequent encounter T82.533S Leakage of balloon (counterpulsation) device, sequela T82.534A Leakage of infusion catheter, initial encounter T82.534D Leakage of infusion catheter, subsequent encounter T82.534S Leakage of infusion catheter, sequela T82.535A Leakage of umbrella device, initial encounter Leakage of umbrella device, subsequent encounter T82.535D T82.535S Leakage of umbrella device, sequela T82.538A Leakage of other cardiac and vascular devices and implants, initial encounter T82.538D Leakage of other cardiac and vascular devices and implants, subsequent encounter T82.538S Leakage of other cardiac and vascular devices and implants, seguela Other mechanical complication of surgically created arteriovenous fistula, initial encounter T82.590A T82.590D Other mechanical complication of surgically created arteriovenous fistula, subsequent encounter Other mechanical complication of surgically created arteriovenous fistula, sequela T82.590S T82.591A Other mechanical complication of surgically created arteriovenous shunt, initial encounter T82.591D Other mechanical complication of surgically created arteriovenous shunt, subsequent encounter T82.591S Other mechanical complication of surgically created arteriovenous shunt, sequela T82.593A Other mechanical complication of balloon (counterpulsation) device, initial encounter T82.593D Other mechanical complication of balloon (counterpulsation) device, subsequent encounter T82.593S Other mechanical complication of balloon (counterpulsation) device, sequela T82.594A Other mechanical complication of infusion catheter, initial encounter T82.594D Other mechanical complication of infusion catheter, subsequent encounter T82.594S Other mechanical complication of infusion catheter, sequela

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ICD-10 Codes	Description
T82.595A	Other mechanical complication of umbrella device, initial encounter
T82.595D	Other mechanical complication of umbrella device, subsequent encounter
T82.595S	Other mechanical complication of umbrella device, sequela
T82.598A	Other mechanical complication of other cardiac and vascular devices and implants, initial encounter
T82.598D	Other mechanical complication of other cardiac and vascular devices and implants, subsequent encounter
T82.598S	Other mechanical complication of other cardiac and vascular devices and implants, sequela
T82.818A	Embolism due to vascular prosthetic devices, implants and grafts, initial encounter
T82.818D	Embolism due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.818S	Embolism due to vascular prosthetic devices, implants and grafts, sequela
T82.828A	Fibrosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.828D	Fibrosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.828S	Fibrosis due to vascular prosthetic devices, implants and grafts, sequela
T82.838A	Hemorrhage due to vascular prosthetic devices, implants and grafts, initial encounter
T82.838D	Hemorrhage due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.838S	Hemorrhage due to vascular prosthetic devices, implants and grafts, sequela
T82.848A	Pain due to vascular prosthetic devices, implants and grafts, initial encounter
T82.848D	Pain due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.848S	Pain due to vascular prosthetic devices, implants and grafts, sequela
T82.858A	Stenosis of other vascular prosthetic devices, implants and grafts, initial encounter
T82.858D	Stenosis of other vascular prosthetic devices, implants and grafts, subsequent encounter
T82.858S	Stenosis of other vascular prosthetic devices, implants and grafts, sequela
T82.868A	Thrombosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.868D	Thrombosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.868S	Thrombosis due to vascular prosthetic devices, implants and grafts, sequela
T82.898A	Other specified complication of vascular prosthetic devices, implants and grafts, initial encounter
T82.898D	Other specified complication of vascular prosthetic devices, implants and grafts, subsequent encounter
T82.898S	Other specified complication of vascular prosthetic devices, implants and grafts, sequela
T86.11	Kidney transplant rejection
T86.12	Kidney transplant failure
T86.13	Kidney transplant infection
T86.19	Other complication of kidney transplant
T86.41	Liver transplant rejection
T86.42	Liver transplant failure
T86.43	Liver transplant infection
T86.49 T86.830	Other complications of liver transplant Bono graft rejection
T86.831	Bone graft rejection Bone graft failure
T86.832	Bone graft infection
T86.838	Other complications of bone graft
T86.890	Other transplanted tissue rejection
T86.891	Other transplanted tissue failure
T86.892	Other transplanted tissue infection
T86.898	Other complications of other transplanted tissue
Z09	Encounter for follow-up examination after completed treatment for conditions other than
	malignant neoplasm
Z48.22	Encounter for aftercare following kidney transplant
Z48.23	Encounter for aftercare following liver transplant
Z48.812	Encounter for surgical aftercare following surgery on the circulatory system
Z94.0 Z94.4	Kidney transplant status Liver transplant status
Z94.4 Z94.82	Intestine transplant status
Z94.82 Z94.83	Pancreas transplant status
Z95.820	Peripheral vascular angioplasty status with implants and grafts
Z95.828	Presence of other vascular implants and grafts

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Group 6 Paragraph: Vein Mapping for Dialysis Access (93970, 93971, G0365)

List ICD-10 code Z01.818 (Encounter for other preprocedural examination) as the primary diagnosis. The secondary diagnoses should identify the reason for the study and/or findings.

Group 6 Codes:		
ICD-10 Description		
Codes	-	
180.8	Phlebitis and thrombophlebitis of other sites	
182.220	Acute embolism and thrombosis of inferior vena cava	
I82.221	Chronic embolism and thrombosis of inferior vena cava	
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	
R09.89	Other specified symptoms and signs involving the circulatory and respiratory systems	
T82.312A	Breakdown (mechanical) of femoral arterial graft (bypass), initial encounter	
T82.312D	Breakdown (mechanical) of femoral arterial graft (bypass), subsequent encounter	
T82.312S	Breakdown (mechanical) of femoral arterial graft (bypass), sequela	
T82.318A	Breakdown (mechanical) of other vascular grafts, initial encounter	
T82.318D	Breakdown (mechanical) of other vascular grafts, subsequent encounter	
T82.318S	Breakdown (mechanical) of other vascular grafts, sequela	
T82.322A	Displacement of femoral arterial graft (bypass), initial encounter	
T82.322D T82.322S	Displacement of femoral arterial graft (bypass), subsequent encounter Displacement of femoral arterial graft (bypass), sequela	
T82.328A	Displacement of other vascular grafts, initial encounter	
T82.328A	Displacement of other vascular grafts, subsequent encounter	
T82.328D	Displacement of other vascular grafts, sequela	
T82.332A	Leakage of femoral arterial graft (bypass), initial encounter	
T82.332D	Leakage of femoral arterial graft (bypass), subsequent encounter	
T82.332S	Leakage of femoral arterial graft (bypass), sequela	
T82.338A	Leakage of other vascular grafts, initial encounter	
T82.338D	Leakage of other vascular grafts, subsequent encounter	
T82.338S	Leakage of other vascular grafts, sequela	
T82.392A	Other mechanical complication of femoral arterial graft (bypass), initial encounter	
T82.392D	Other mechanical complication of femoral arterial graft (bypass), subsequent encounter	
T82.392S	Other mechanical complication of femoral arterial graft (bypass), sequela	
T82.398A	Other mechanical complication of other vascular grafts, initial encounter	
T82.398D	Other mechanical complication of other vascular grafts, subsequent encounter	
T82.398S	Other mechanical complication of other vascular grafts, sequela	
T82.41XA	Breakdown (mechanical) of vascular dialysis catheter, initial encounter	
T82.41XD	Breakdown (mechanical) of vascular dialysis catheter, subsequent encounter	
T82.41XS	Breakdown (mechanical) of vascular dialysis catheter, sequela	
T82.42XA	Displacement of vascular dialysis catheter, initial encounter	
T82.42XD	Displacement of vascular dialysis catheter, subsequent encounter	
T82.42XS	Displacement of vascular dialysis catheter, sequela	
T82.43XA	Leakage of vascular dialysis catheter, initial encounter	
T82.43XD	Leakage of vascular dialysis catheter, subsequent encounter	
T82.43XS	Leakage of vascular dialysis catheter, sequela	
T82.49XA T82.49XD	Other complication of vascular dialysis catheter, initial encounter	
T82.49XD	Other complication of vascular dialysis catheter, subsequent encounter Other complication of vascular dialysis catheter, sequela	
T82.510A	Breakdown (mechanical) of surgically created arteriovenous fistula, initial encounter	
T82.510A	Breakdown (mechanical) of surgically created arteriovenous fistula, initial encounter Breakdown (mechanical) of surgically created arteriovenous fistula, subsequent encounter	
T82.510D	Breakdown (mechanical) of surgically created arteriovenous fistula, subsequent encounter	
T82.511A	Breakdown (mechanical) of surgically created arteriovenous shunt, initial encounter	
T82.511D	Breakdown (mechanical) of surgically created arteriovenous shunt, subsequent encounter	
T82.511S	Breakdown (mechanical) of surgically created arteriovenous shunt, sequela	
T82.513A	Breakdown (mechanical) of balloon (counterpulsation) device, initial encounter	

ICD-10 Description Codes T82.513D Breakdown (mechanical) of balloon (counterpulsation) device, subsequent encounter T82.513S Breakdown (mechanical) of balloon (counterpulsation) device, sequela T82.514A Breakdown (mechanical) of infusion catheter, initial encounter T82.514D Breakdown (mechanical) of infusion catheter, subsequent encounter T82.514S Breakdown (mechanical) of infusion catheter, sequela T82.515A Breakdown (mechanical) of umbrella device, initial encounter T82.515D Breakdown (mechanical) of umbrella device, subsequent encounter T82.515S Breakdown (mechanical) of umbrella device, sequela Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter T82.518A Breakdown (mechanical) of other cardiac and vascular devices and implants, subsequent T82.518D encounter T82.518S Breakdown (mechanical) of other cardiac and vascular devices and implants, sequela T82.520A Displacement of surgically created arteriovenous fistula, initial encounter T82.520D Displacement of surgically created arteriovenous fistula, subsequent encounter T82.520S Displacement of surgically created arteriovenous fistula, sequela T82.521A Displacement of surgically created arteriovenous shunt, initial encounter T82.521D Displacement of surgically created arteriovenous shunt, subsequent encounter T82.521S Displacement of surgically created arteriovenous shunt, sequela T82.523A Displacement of balloon (counterpulsation) device, initial encounter T82.523D Displacement of balloon (counterpulsation) device, subsequent encounter T82.523S Displacement of balloon (counterpulsation) device, sequela T82.524A Displacement of infusion catheter, initial encounter T82.524D Displacement of infusion catheter, subsequent encounter T82.524S Displacement of infusion catheter, sequela T82.525A Displacement of umbrella device, initial encounter T82.525D Displacement of umbrella device, subsequent encounter T82.525S Displacement of umbrella device, sequela T82.528A Displacement of other cardiac and vascular devices and implants, initial encounter T82.528D Displacement of other cardiac and vascular devices and implants, subsequent encounter T82.528S Displacement of other cardiac and vascular devices and implants, sequela T82.530A Leakage of surgically created arteriovenous fistula, initial encounter T82.530D Leakage of surgically created arteriovenous fistula, subsequent encounter T82.530S Leakage of surgically created arteriovenous fistula, seguela T82.531A Leakage of surgically created arteriovenous shunt, initial encounter T82.531D Leakage of surgically created arteriovenous shunt, subsequent encounter T82.531S Leakage of surgically created arteriovenous shunt, sequela T82.533A Leakage of balloon (counterpulsation) device, initial encounter T82.533D Leakage of balloon (counterpulsation) device, subsequent encounter T82.533S Leakage of balloon (counterpulsation) device, sequela T82.534A Leakage of infusion catheter, initial encounter T82.534D Leakage of infusion catheter, subsequent encounter T82.534S Leakage of infusion catheter, sequela Leakage of umbrella device, initial encounter T82.535A T82.535D Leakage of umbrella device, subsequent encounter T82.535S Leakage of umbrella device, sequela T82.538A Leakage of other cardiac and vascular devices and implants, initial encounter T82.538D Leakage of other cardiac and vascular devices and implants, subsequent encounter Leakage of other cardiac and vascular devices and implants, seguela T82.538S T82.590A Other mechanical complication of surgically created arteriovenous fistula, initial encounter T82.590D Other mechanical complication of surgically created arteriovenous fistula, subsequent encounter T82.590S Other mechanical complication of surgically created arteriovenous fistula, sequela T82.591A Other mechanical complication of surgically created arteriovenous shunt, initial encounter T82.591D Other mechanical complication of surgically created arteriovenous shunt, subsequent encounter T82.591S Other mechanical complication of surgically created arteriovenous shunt, sequela T82.593A Other mechanical complication of balloon (counterpulsation) device, initial encounter T82.593D Other mechanical complication of balloon (counterpulsation) device, subsequent encounter T82.593S Other mechanical complication of balloon (counterpulsation) device, sequela T82.594A Other mechanical complication of infusion catheter, initial encounter

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ICD-10 Codes	Description
T82.594D	Other mechanical complication of infusion catheter, subsequent encounter
T82.594S	Other mechanical complication of infusion catheter, sequela
T82.595A	Other mechanical complication of umbrella device, initial encounter
T82.595D	Other mechanical complication of umbrella device, subsequent encounter
T82.595S	Other mechanical complication of umbrella device, sequela
T82.598A	Other mechanical complication of other cardiac and vascular devices and implants, initial encounter
T82.598D	Other mechanical complication of other cardiac and vascular devices and implants, subsequent encounter
T82.598S	Other mechanical complication of other cardiac and vascular devices and implants, sequela
T82.818A	Embolism due to vascular prosthetic devices, implants and grafts, initial encounter
T82.818D	Embolism due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.818S	Embolism due to vascular prosthetic devices, implants and grafts, sequela
T82.828A	Fibrosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.828D	Fibrosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.828S	Fibrosis due to vascular prosthetic devices, implants and grafts, sequela
T82.838A	Hemorrhage due to vascular prosthetic devices, implants and grafts, initial encounter
T82.838D	Hemorrhage due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.838S	Hemorrhage due to vascular prosthetic devices, implants and grafts, sequela
T82.848A	Pain due to vascular prosthetic devices, implants and grafts, initial encounter
T82.848D	Pain due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.848S	Pain due to vascular prosthetic devices, implants and grafts, sequela
T82.858A	Stenosis of other vascular prosthetic devices, implants and grafts, initial encounter
T82.858D	Stenosis of other vascular prosthetic devices, implants and grafts, subsequent encounter
T82.858S	Stenosis of other vascular prosthetic devices, implants and grafts, sequela
T82.868A	Thrombosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.868D	Thrombosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.868S	Thrombosis due to vascular prosthetic devices, implants and grafts, sequela
T82.898A	Other specified complication of vascular prosthetic devices, implants and grafts, initial encounter
T82.898D	Other specified complication of vascular prosthetic devices, implants and grafts, subsequent encounter
T82.898S	Other specified complication of vascular prosthetic devices, implants and grafts, sequela

Group 7 Paragraph: Pre-surgical Conduit Mapping for Coronary Artery Bypass Graft Procedures (93930, 93931, 93965, 93970, and 93971)

List ICD-10 code Z01.810 (Encounter for preprocedural cardiovascular examination) or Z01.818 (Encounter for other preprocedural examination) as the primary diagnosis. The secondary diagnoses should identify the reason for the study and/or findings.

Group 7 Coo ICD-10 Codes	des: Description
I20.0	Unstable angina
I20.8	Other forms of angina pectoris
I21.01	ST elevation (STEMI) myocardial infarction involving left main coronary artery
I21.02	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery
I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
I21.11	ST elevation (STEMI) myocardial infarction involving right coronary artery
I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
I21.21	ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery
I21.29	ST elevation (STEMI) myocardial infarction involving other sites
I21.4	Non-ST elevation (NSTEMI) myocardial infarction
I22.0	Subsequent ST elevation (STEMI) myocardial infarction of anterior wall
I22.1	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall
I22.2	Subsequent non-ST elevation (NSTEMI) myocardial infarction
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ICD-10 Codes	Description
122.8	Subsequent ST elevation (STEMI) myocardial infarction of other sites
I24.0	Acute coronary thrombosis not resulting in myocardial infarction
I24.8	Other forms of acute ischemic heart disease
I25.10	Atherosclerotic heart disease of native coronary artery without angina pectoris
I25.110	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris
I25.111	Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm
I25.118	Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris
I25.710	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris
I25.711	Atherosclerosis of autologous vein coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.718	Atherosclerosis of autologous vein coronary artery bypass graft(s) with other forms of angina pectoris
I25.720	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris
I25.721	Atherosclerosis of autologous artery coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.728	Atherosclerosis of autologous artery coronary artery bypass graft(s) with other forms of angina pectoris
I25.730	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris
I25.731	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.738	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris
I25.750	Atherosclerosis of native coronary artery of transplanted heart with unstable angina
I25.751	Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm
I25.758	Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris
I25.760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina
I25.761	Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm
I25.768	Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris
I25.790	Atherosclerosis of other coronary artery bypass graft(s) with unstable angina pectoris
I25.791	Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.798	Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris
I25.810	Atherosclerosis of coronary artery bypass graft(s) without angina pectoris
I25.811	Atherosclerosis of native coronary artery of transplanted heart without angina pectoris

Group 8 Paragraph: Pre-surgical Vein-Mapping for Peripheral Arterial Bypass (93965, 93970 and 93971)

List ICD-10 code Z01.818 (Encounter for other preprocedural examination) as the primary diagnosis. The secondary diagnoses should identify the reason for the study and/or findings.

Group 8 Co	des:					
ICD-10 Codes	Description					
170.0	Atherosclerosis of aorta					
I70.211	Atherosclerosis of native arteries of extremities with intermittent claudication, right leg					
I70.212	Atherosclerosis of native arteries of extremities with intermittent claudication, left leg					
I70.213	Atherosclerosis of native arteries of extremities with intermittent claudication, bilateral legs					
I70.218	Atherosclerosis of native arteries of extremities with intermittent claudication, other extremity					
I70.221	Atherosclerosis of native arteries of extremities with rest pain, right leg					
I70.222	Atherosclerosis of native arteries of extremities with rest pain, left leg					
I70.223	Atherosclerosis of native arteries of extremities with rest pain, bilateral legs					
I70.228	Atherosclerosis of native arteries of extremities with rest pain, other extremity					
I70.231	Atherosclerosis of native arteries of right leg with ulceration of thigh					
I70.232	Atherosclerosis of native arteries of right leg with ulceration of calf					
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ICD-10	Description
Codes	
170.233	Atherosclerosis of native arteries of right leg with ulceration of ankle
170.234	Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot
170.235	Atherosclerosis of native arteries of right leg with ulceration of other part of foot
170.238	Atherosclerosis of native arteries of right leg with ulceration of other part of lower right leg
I70.241	Atherosclerosis of native arteries of left leg with ulceration of thigh
I70.242	Atherosclerosis of native arteries of left leg with ulceration of calf
I70.243 I70.244	Atherosclerosis of native arteries of left leg with ulceration of ankle
170.244 170.245	Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot Atherosclerosis of native arteries of left leg with ulceration of other part of foot
170.245 170.248	Atherosclerosis of native arteries of left leg with ulceration of other part of lower left leg
I70.248	Atherosclerosis of native arteries of other extremities with ulceration
I70.261	Atherosclerosis of native arteries of extremities with gangrene, right leg
170.262	Atherosclerosis of native arteries of extremities with gangrene, left leg
170.263	Atherosclerosis of native arteries of extremities with gangrene, bilateral legs
170.268	Atherosclerosis of native arteries of extremities with gangrene, other extremity
	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication,
I70.411	right leg Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication,
I70.412	left leg Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication,
I70.413	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication,
I70.418	other extremity
I70.421 I70.422	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, right leg
170.422 170.423	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, left leg Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, bilateral legs
	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, other
I70.428	extremity
I70.431 I70.432	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of thigh
170.432 170.433	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of calf Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of ankle
	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of heel and
170.434	midfoot Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of
170.435	foot
170.438	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of lower leg
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
170.443	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
I70.445	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of foot
170.448	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.45	Atherosclerosis of autologous vein bypass graft(s) of other extremity with ulceration
170.461	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, right leg
170.462	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, left leg
170.463	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, bilateral legs
170.468	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, other extremity
170.491	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, right leg
170.492	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, left leg
I70.493	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, bilateral legs
170.498 170.511	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, other extremity Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent
	claudication, right leg
I70.512	

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ICD-10	Description
Codes	•
	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, left leg
I70.513	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, bilateral legs
I70.518	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, other extremity
I70.521	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, right leg
I70.522	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, left leg
170.523	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, bilateral legs
170.528	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, other extremity
I70.531	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of thigh
170.532	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of calf
170.533	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of ankle
I70.534	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of heel and midfoot
170.535	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of foot
170.538	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.541	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of thigh
170.542	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of calf
170.543	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of ankle
170.544	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of heel and midfoot
170.545	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of foot
170.548	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.55	Atherosclerosis of nonautologous biological bypass graft(s) of other extremity with ulceration
170.561	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, right leg
170.562	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, left leg
170.563	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, bilateral legs
170.568	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, other extremity
170.591	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, right leg
I70.592	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg
170.593	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs
170.598	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other extremity
I70.611	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, right leg
170.612	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, left leg
I70.613	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, bilateral legs
170.618	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, other extremity
I70.621	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, right leg
170.622	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, left leg
170.623	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, bilateral legs
170.628	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, other extremity
170.631	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of thigh
170.632	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of calf

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ICD-10	Description
Codes	-
170.633	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of ankle
170.634	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of heel and midfoot
170.635	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of foot
170.638	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of lower leg
170.641	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of thigh
170.642	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of calf
I70.643 I70.644	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of ankle
170.644 170.645	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of heel and midfoot Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of foot
	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of lower Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of lower
170.648	leg
170.65	Atherosclerosis of nonbiological bypass graft(s) of other extremity with ulceration
170.661	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, right leg
170.662	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, left leg
170.663	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, bilateral legs
I70.668 I70.691	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, other extremity Other atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg
I70.691	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
170.693	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, lett leg
170.698	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity
170.711	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, right leg
I70.712	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, left leg
170.713	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, bilateral legs
170.718	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, other extremity
I70.721	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, right leg
170.722	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, left leg
170.723	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, bilateral legs
I70.728	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, other extremity
I70.731 I70.732	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of thigh Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of calf
I70.732 I70.733	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of ankle
170.734	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of heel and midfoot
170.735	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of foot
170.738	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.741	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of thigh
I70.742	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of calf
170.743	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of ankle
I70.744	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of heel and midfoot
170.745	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of foot
170.748	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.75	Atherosclerosis of other type of bypass graft(s) of other extremity with ulceration
I70.761	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, right leg
I70.762	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, left leg
170.763 170.768	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, bilateral legs Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, other extremity
I70.791	Other atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, other extremity
I70.791 I70.792	Other atherosclerosis of other type of bypass graft(s) of the extremities, left leg
170.793	Other atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
170.798	Other atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
170.92	Chronic total occlusion of artery of the extremities
172.3	Aneurysm of iliac artery

ICD-10 Description Codes I72.4 Aneurysm of artery of lower extremity I74.2 Embolism and thrombosis of arteries of the upper extremities I74.3 Embolism and thrombosis of arteries of the lower extremities I74.5 Embolism and thrombosis of iliac artery I87.2 Venous insufficiency (chronic) (peripheral) R04.2 Hemoptysis R04.89 Hemorrhage from other sites in respiratory passages S85.171A Laceration of posterior tibial artery, right leg, initial encounter S85.171D Laceration of posterior tibial artery, right leg, subsequent encounter S85.171S Laceration of posterior tibial artery, right leg, sequela S85.172A Laceration of posterior tibial artery, left leg, initial encounter S85.172D Laceration of posterior tibial artery, left leg, subsequent encounter S85.172S Laceration of posterior tibial artery, left leg, sequela S85.181A Other specified injury of posterior tibial artery, right leg, initial encounter S85.181D Other specified injury of posterior tibial artery, right leg, subsequent encounter Other specified injury of posterior tibial artery, right leg, sequela S85.181S S85.182A Other specified injury of posterior tibial artery, left leg, initial encounter S85.182D Other specified injury of posterior tibial artery, left leg, subsequent encounter S85.182S Other specified injury of posterior tibial artery, left leg, seguela S85.811A Laceration of other blood vessels at lower leg level, right leg, initial encounter S85.811D Laceration of other blood vessels at lower leg level, right leg, subsequent encounter S85.811S Laceration of other blood vessels at lower leg level, right leg, sequela Laceration of other blood vessels at lower leg level, left leg, initial encounter S85.812A S85.812D Laceration of other blood vessels at lower leg level, left leg, subsequent encounter S85.812S Laceration of other blood vessels at lower leg level, left leg, sequela S85.891A Other specified injury of other blood vessels at lower leg level, right leg, initial encounter Other specified injury of other blood vessels at lower leg level, right leg, subsequent encounter S85.891D S85.891S Other specified injury of other blood vessels at lower leg level, right leg, sequela S85.892A Other specified injury of other blood vessels at lower leg level, left leg, initial encounter Other specified injury of other blood vessels at lower leg level, left leg, subsequent encounter S85.892D S85.892S Other specified injury of other blood vessels at lower leg level, left leg, sequela T82.310A Breakdown (mechanical) of aortic (bifurcation) graft (replacement), initial encounter T82.310D Breakdown (mechanical) of aortic (bifurcation) graft (replacement), subsequent encounter T82.310S Breakdown (mechanical) of aortic (bifurcation) graft (replacement), seguela T82.311A Breakdown (mechanical) of carotid arterial graft (bypass), initial encounter T82.311D Breakdown (mechanical) of carotid arterial graft (bypass), subsequent encounter T82.311S Breakdown (mechanical) of carotid arterial graft (bypass), sequela T82.312A Breakdown (mechanical) of femoral arterial graft (bypass), initial encounter T82.312D Breakdown (mechanical) of femoral arterial graft (bypass), subsequent encounter T82.312S Breakdown (mechanical) of femoral arterial graft (bypass), sequela T82.318A Breakdown (mechanical) of other vascular grafts, initial encounter T82.318D Breakdown (mechanical) of other vascular grafts, subsequent encounter T82.318S Breakdown (mechanical) of other vascular grafts, sequela T82.320A Displacement of aortic (bifurcation) graft (replacement), initial encounter T82.320D Displacement of aortic (bifurcation) graft (replacement), subsequent encounter T82.320S Displacement of aortic (bifurcation) graft (replacement), sequela T82.321A Displacement of carotid arterial graft (bypass), initial encounter T82.321D Displacement of carotid arterial graft (bypass), subsequent encounter T82.321S Displacement of carotid arterial graft (bypass), sequela T82.322A Displacement of femoral arterial graft (bypass), initial encounter T82.322D Displacement of femoral arterial graft (bypass), subsequent encounter T82.322S Displacement of femoral arterial graft (bypass), sequela T82.328A Displacement of other vascular grafts, initial encounter T82.328D Displacement of other vascular grafts, subsequent encounter T82.328S Displacement of other vascular grafts, sequela T82.330A Leakage of aortic (bifurcation) graft (replacement), initial encounter T82.330D Leakage of aortic (bifurcation) graft (replacement), subsequent encounter T82.330S Leakage of aortic (bifurcation) graft (replacement), sequela Printed on 12/9/2016. Page 65 of 76

ICD-10 Description Codes T82.331A Leakage of carotid arterial graft (bypass), initial encounter T82.331D Leakage of carotid arterial graft (bypass), subsequent encounter T82.331S Leakage of carotid arterial graft (bypass), sequela T82.332A Leakage of femoral arterial graft (bypass), initial encounter T82.332D Leakage of femoral arterial graft (bypass), subsequent encounter T82.332S Leakage of femoral arterial graft (bypass), sequela T82.338A Leakage of other vascular grafts, initial encounter T82.338D Leakage of other vascular grafts, subsequent encounter Leakage of other vascular grafts, sequela T82.338S T82.390A Other mechanical complication of aortic (bifurcation) graft (replacement), initial encounter T82.390D Other mechanical complication of aortic (bifurcation) graft (replacement), subsequent encounter T82.390S Other mechanical complication of aortic (bifurcation) graft (replacement), sequela Other mechanical complication of carotid arterial graft (bypass), initial encounter T82.391A T82.391D Other mechanical complication of carotid arterial graft (bypass), subsequent encounter T82.391S Other mechanical complication of carotid arterial graft (bypass), sequela T82.392A Other mechanical complication of femoral arterial graft (bypass), initial encounter T82.392D Other mechanical complication of femoral arterial graft (bypass), subsequent encounter T82.392S Other mechanical complication of femoral arterial graft (bypass), seguela T82.398A Other mechanical complication of other vascular grafts, initial encounter T82.398D Other mechanical complication of other vascular grafts, subsequent encounter T82.398S Other mechanical complication of other vascular grafts, sequela T82.41XA Breakdown (mechanical) of vascular dialysis catheter, initial encounter Breakdown (mechanical) of vascular dialysis catheter, subsequent encounter T82.41XD T82.41XS Breakdown (mechanical) of vascular dialysis catheter, sequela T82.42XA Displacement of vascular dialysis catheter, initial encounter Displacement of vascular dialysis catheter, subsequent encounter T82.42XD T82.42XS Displacement of vascular dialysis catheter, sequela T82.43XA Leakage of vascular dialysis catheter, initial encounter T82.43XD Leakage of vascular dialysis catheter, subsequent encounter Leakage of vascular dialysis catheter, sequela T82.43XS T82.49XA Other complication of vascular dialysis catheter, initial encounter T82.49XD Other complication of vascular dialysis catheter, subsequent encounter T82.49XS Other complication of vascular dialysis catheter, sequela Breakdown (mechanical) of surgically created arteriovenous fistula, initial encounter T82.510A T82.510D Breakdown (mechanical) of surgically created arteriovenous fistula, subsequent encounter Breakdown (mechanical) of surgically created arteriovenous fistula, sequela T82.510S T82.511A Breakdown (mechanical) of surgically created arteriovenous shunt, initial encounter T82.511D Breakdown (mechanical) of surgically created arteriovenous shunt, subsequent encounter T82.511S Breakdown (mechanical) of surgically created arteriovenous shunt, sequela T82.513A Breakdown (mechanical) of balloon (counterpulsation) device, initial encounter Breakdown (mechanical) of balloon (counterpulsation) device, subsequent encounter T82.513D T82.513S Breakdown (mechanical) of balloon (counterpulsation) device, sequela T82.514A Breakdown (mechanical) of infusion catheter, initial encounter T82.514D Breakdown (mechanical) of infusion catheter, subsequent encounter T82.514S Breakdown (mechanical) of infusion catheter, sequela T82.515A Breakdown (mechanical) of umbrella device, initial encounter T82.515D Breakdown (mechanical) of umbrella device, subsequent encounter T82.515S Breakdown (mechanical) of umbrella device, sequela Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter T82.518A Breakdown (mechanical) of other cardiac and vascular devices and implants, subsequent T82.518D encounter T82.518S Breakdown (mechanical) of other cardiac and vascular devices and implants, sequela T82.520A Displacement of surgically created arteriovenous fistula, initial encounter T82.520D Displacement of surgically created arteriovenous fistula, subsequent encounter T82.520S Displacement of surgically created arteriovenous fistula, sequela T82.521A Displacement of surgically created arteriovenous shunt, initial encounter T82.521D Displacement of surgically created arteriovenous shunt, subsequent encounter T82.521S Displacement of surgically created arteriovenous shunt, sequela

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ICD-10 Description Codes T82.523A Displacement of balloon (counterpulsation) device, initial encounter T82.523D Displacement of balloon (counterpulsation) device, subsequent encounter T82.523S Displacement of balloon (counterpulsation) device, sequela T82.524A Displacement of infusion catheter, initial encounter T82.524D Displacement of infusion catheter, subsequent encounter T82.524S Displacement of infusion catheter, sequela T82.525A Displacement of umbrella device, initial encounter T82.525D Displacement of umbrella device, subsequent encounter T82.525S Displacement of umbrella device, seguela T82.528A Displacement of other cardiac and vascular devices and implants, initial encounter T82.528D Displacement of other cardiac and vascular devices and implants, subsequent encounter T82.528S Displacement of other cardiac and vascular devices and implants, sequela T82.530A Leakage of surgically created arteriovenous fistula, initial encounter T82.530D Leakage of surgically created arteriovenous fistula, subsequent encounter T82.530S Leakage of surgically created arteriovenous fistula, seguela T82.531A Leakage of surgically created arteriovenous shunt, initial encounter T82.531D Leakage of surgically created arteriovenous shunt, subsequent encounter T82.531S Leakage of surgically created arteriovenous shunt, seguela T82.533A Leakage of balloon (counterpulsation) device, initial encounter T82.533D Leakage of balloon (counterpulsation) device, subsequent encounter Leakage of balloon (counterpulsation) device, sequela T82.533S T82.534A Leakage of infusion catheter, initial encounter Leakage of infusion catheter, subsequent encounter T82.534D T82.534S Leakage of infusion catheter, sequela T82.535A Leakage of umbrella device, initial encounter T82.535D Leakage of umbrella device, subsequent encounter T82.535S Leakage of umbrella device, seguela T82.538A Leakage of other cardiac and vascular devices and implants, initial encounter Leakage of other cardiac and vascular devices and implants, subsequent encounter T82.538D T82.538S Leakage of other cardiac and vascular devices and implants, seguela Other mechanical complication of surgically created arteriovenous fistula, initial encounter T82.590A T82.590D Other mechanical complication of surgically created arteriovenous fistula, subsequent encounter T82.590S Other mechanical complication of surgically created arteriovenous fistula, sequela Other mechanical complication of surgically created arteriovenous shunt, initial encounter T82.591A T82.591D Other mechanical complication of surgically created arteriovenous shunt, subsequent encounter T82.591S Other mechanical complication of surgically created arteriovenous shunt, sequela T82.593A Other mechanical complication of balloon (counterpulsation) device, initial encounter T82.593D Other mechanical complication of balloon (counterpulsation) device, subsequent encounter T82.593S Other mechanical complication of balloon (counterpulsation) device, sequela T82.594A Other mechanical complication of infusion catheter, initial encounter T82.594D Other mechanical complication of infusion catheter, subsequent encounter T82.594S Other mechanical complication of infusion catheter, sequela T82.595A Other mechanical complication of umbrella device, initial encounter T82.595D Other mechanical complication of umbrella device, subsequent encounter T82.595S Other mechanical complication of umbrella device, sequela T82.598A Other mechanical complication of other cardiac and vascular devices and implants, initial encounter Other mechanical complication of other cardiac and vascular devices and implants, subsequent T82.598D encounter T82.598S Other mechanical complication of other cardiac and vascular devices and implants, sequela Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, T82.7XXA initial encounter Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, T82.7XXD subsequent encounter Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, T82.7XXS sequela T82.818A Embolism due to vascular prosthetic devices, implants and grafts, initial encounter T82.818D Embolism due to vascular prosthetic devices, implants and grafts, subsequent encounter

T82.818S Embolism due to vascular prosthetic devices, implants and grafts, sequela

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ICD-10 Codes	Description
T82.828A	Fibrosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.828D	Fibrosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.828S	Fibrosis due to vascular prosthetic devices, implants and grafts, sequela
T82.838A	Hemorrhage due to vascular prosthetic devices, implants and grafts, initial encounter
T82.838D	Hemorrhage due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.838S	Hemorrhage due to vascular prosthetic devices, implants and grafts, sequela
T82.848A	Pain due to vascular prosthetic devices, implants and grafts, initial encounter
T82.848D	Pain due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.848S	Pain due to vascular prosthetic devices, implants and grafts, sequela
T82.858A	Stenosis of other vascular prosthetic devices, implants and grafts, initial encounter
T82.858D	Stenosis of other vascular prosthetic devices, implants and grafts, subsequent encounter
T82.858S	Stenosis of other vascular prosthetic devices, implants and grafts, sequela
T82.868A	Thrombosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.868D	Thrombosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.868S	Thrombosis due to vascular prosthetic devices, implants and grafts, sequela
T82.898A	Other specified complication of vascular prosthetic devices, implants and grafts, initial encounter
T82.898D	Other specified complication of vascular prosthetic devices, implants and grafts, subsequent encounter
T82.898S	Other specified complication of vascular prosthetic devices, implants and grafts, sequela

Group 9 Paragraph: Duplex Scan of Hemodialysis Access (CPT code 93990)

Group	9	Codes:	
		1.0	

ICD-10 Codes	Description
T82.818A	Embolism due to vascular prosthetic devices, implants and grafts, initial encounter
T82.818D	Embolism due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.818S	Embolism due to vascular prosthetic devices, implants and grafts, sequela
T82.828A	Fibrosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.828D	Fibrosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.828S	Fibrosis due to vascular prosthetic devices, implants and grafts, sequela
T82.838A	Hemorrhage due to vascular prosthetic devices, implants and grafts, initial encounter
T82.838D	Hemorrhage due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.838S	Hemorrhage due to vascular prosthetic devices, implants and grafts, sequela
T82.848A	Pain due to vascular prosthetic devices, implants and grafts, initial encounter
T82.848D	Pain due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.848S	Pain due to vascular prosthetic devices, implants and grafts, sequela
T82.858A	Stenosis of other vascular prosthetic devices, implants and grafts, initial encounter
T82.858D	Stenosis of other vascular prosthetic devices, implants and grafts, subsequent encounter
T82.858S	Stenosis of other vascular prosthetic devices, implants and grafts, sequela
T82.868A	Thrombosis due to vascular prosthetic devices, implants and grafts, initial encounter
T82.868D	Thrombosis due to vascular prosthetic devices, implants and grafts, subsequent encounter
T82.868S	Thrombosis due to vascular prosthetic devices, implants and grafts, sequela
T82.898A	Other specified complication of vascular prosthetic devices, implants and grafts, initial encounter
T82.898D	Other specified complication of vascular prosthetic devices, implants and grafts, subsequent encounter
T82.898S	Other specified complication of vascular prosthetic devices, implants and grafts, sequela

ICD-10 Codes that DO NOT Support Medical Necessity N/A ICD-10 Additional Information

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General Information

Associated Information

Documentation Requirements:

The patient's medical record must contain documentation that fully supports the medical necessity for services included within this LCD. (See "Indications and Limitations of Coverage.") This documentation includes, but is not limited to, relevant medical history, physical examination, and results of pertinent diagnostic tests or procedures.

It is the responsibility of the physician/provider to ensure the medical necessity of procedures and to maintain records in the event that records are requested for a post-payment audit.

42 CFR §410.32 indicates that diagnostic tests, to be covered, must be ordered by the practitioner who treats the patient. The treating physician is the practitioner responsible for the treatment of the patient. He/she orders the test to use the results in the management of the beneficiary's specific medical problem(s). Consulting physicians may also order tests.

A referral for one non-invasive study is not a blanket referral for all studies. A referral must be on record for each non-invasive study performed.

Documentation must be provided supporting the need for more than one imaging study [Doppler flow (93990) or vessel mapping (G0365) and arteriogram (75790/75820)].

Providers of interpretations and the technical portion of the examination must be capable of demonstrating documented training and experience and maintain documentation for post-payment audit.

Appendices:

Not applicable

Utilization Guidelines:

Frequency of follow-up studies will be carefully monitored for medical necessity and it is the responsibility of the physician/provider to maintain documentation of medical necessity in the patient's medical record.

Guidelines for follow-up cerebrovascular arterial studies include:

- Stenosis of 20-49% (diameter reduction), an annual study;
- Stenosis of 50-79%, every six months;
- Stenosis of 80-99%, every 6 months if surgery not performed; and/or
- After carotid endarterectomy, repeat ipsilateral/unilateral examinations are allowable at six weeks, six months, and one year. During the first year, follow-up studies should be on the ipsilateral side unless signs and symptoms or previously identified disease in the contralateral carotid artery provide indications for a bilateral procedure.

If patients become symptomatic of carotid disease repeat duplex scans are allowed without regard to the above schedule.

Pre-surgical conduit mapping of the radial artery(ies) should only be accompanied by vein-mapping studies when the arterial studies demonstrate a non-acceptable conduit or an insufficient conduit is available for multiple bypass procedures.

In the immediate post-operative period, patients may be studied if re-established pulses are lost, become equivocal, or if the patient develops related signs and/or symptoms of ischemia with impending repeat intervention.

With regard to autogenous vein and synthetic lower extremity bypass surgeries, a study may be performed at three-month intervals during the first year, at six-month intervals during the second year, and annually thereafter. The frequency of medically necessary follow-up studies post-angioplasty is dictated by the vascular distribution treated.

Sources of Information and Basis for Decision

This bibliography presents those sources that were obtained during the development of this policy. National Government Services is not responsible for the continuing viability of Web site addresses listed below.

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Revision History Information

Revision History Date	Revision History Number	Revision History Explanation	Reaso	on(s) for Change
10/01/2016	R18	Added ICD-10 codes H53.8 and I63.00 to Group 1 (CPT codes 93880, 93882), and added ICD-10 codes T82.856A, T82.856D and T82.856S to Group 3 (CPT codes 93922, 93923, 93924, 93925, 93926, 93930 and 93931), effective 10/1/2016. Added two sources of information.	•	Request for Coverage by a Practitioner (Part B)
10/01/2016	R17	Added ICD-10 code I60.2 to Group 2 (CPT codes 93886, 93888, 93890, 93892, 93893), replacing deleted codes I60.21 and I60.22.	•	Revisions Due To ICD-10-CM Code Changes
10/01/2016	R16	LCD revised for annual ICD-10 updates for 2017 with the following changes: • For group 1 (CPT codes 93880, 93882), ICD-10 codes H34.811, H34.812, H34.813, H34.831, H34.832 and H34.833 were deleted and replaced by H34.8110-H34.8112, H34.8120-H34.8122, H34.8130-H34.8132, H34.8310-H34.8312, H34.8320-H34.8322, H34.8330-H34.8332. • For group 1, ICD-10 codes I72.5, I72.6, I77.70, and I77.75 were added.	•	Request for Coverage by a Practitioner (Part B) Revisions Due To ICD-10-CM Code Changes

Revision History Date	Revision History Number	Revision History Explanation	Reason(s) for Change
Date	Number	• For group 3 (CPT codes 93922, 93923, 93924, 93925, 93926, 93930 and 93931), ICD-10 codes I77.70, I77.76, I77.77 were added.	
		• For group 5 (CPT codes 93975, 93976, 93978, 93979), ICD- 10 codes I16.0, I16.1, I16.9, I77.70 were added. In addition ICD-10 codes K55.011-K55.069 replaced deleted code K55.0, ICD-10 codes N50.811-N50.819, N50.82 and N50.89 replaced deleted code N50.8, ICD-10 codes N83.511-N83.519 replaced deleted code N83.51, and N83.521-N83.529 replaced deleted code N83.52.	
		Group 4 was revised to add ICD-10 code R07.9, effective 10/1/2015.	
		Group 5 was revised to add ICD-10 code K74.60, effective 10/01/2015.	
10/01/2015	R15	ICD-10 codes I82.401, I82.402 and I82.403 have been added to the payable diagnoses for Group 4, Extremity Venous Evaluation (93965, 93970 and 93971), effective 10/01/2015.	 Request for Coverage by a Practitioner (Part B)
		ICD 10 code Z01.810 has been added as a primary diagnosis to be reported with payable diagnoses for Group 7, Pre-surgical Conduit Mapping for Coronary Artery Bypass Graft Procedures (93930, 93931, 93965, 93970, and 93971), effective 10/01/2015.	Request for
10/01/2015	R14	This reference was added to Sources: Gomik HL, Gerhard-Herman MD, Misra S, et al. Appropriate use criteria for peripheral vascular ultrasound and physiological testing part II: testing for venous disease and evaluation of hemodialysis access. <i>JACC</i> . 2013;62(7). http://content.onlinejacc.org. Accessed / 07/19/2013.	Coverage by a Practitioner (Part B)
10/01/2015	R13	ICD-10 code R60.9 has been added to the payable diagnoses for Group 4, Extremity Venous Evaluation (93965, 93970 and 93971), effective 10/01/2015.	 Provider Education/Guidance Request for Coverage by a Practitioner (Part B)
		ICD-10 code N50.9 has been added to the payable diagnoses for Group 5, Visceral Vascular Studies (93975, 93976, 93978, 93979) effective 10/01/2015.	
		The credentialing statement below was corrected to include information from the ICD-9 version of this LCD:	 Provider Education/Guidance
10/01/2015	R12	"Additionally, transcutaneous oxygen tension measurements may be performed by individuals possessing the following credentials obtained from appropriate credentialing bodies, such as, but not limited to, the National Board of Diving and Hyperbaric Medicine Technology (NBDHMT): Certified Hyperbaric Technologist (CHT), or Certified Hyperbaric Registered Nurse (CHRN)."	 Request for Coverage by a Practitioner (Part B)
10/01/2015	R11	Effective for dates of service on or after 10/1/2015, ICD-10 codes I97.611 and I97.618 were added to the payable diagnoses for Group 3, Extremity Arterial Evaluation (93922, 93923, 93924, 93925, 93926, 93930 and 93931). Effective for dates of service on or after 10/1/2015, ICD-10	 Request for Coverage by a Provider (Part A)
10/01/2015	R10	codes I97.410 and I97.610 were added to the payable diagnoses for Group 3, Extremity Arterial Evaluation (93922, 93923, 93924, 93925, 93926, 93930 and 93931). Effective for dates of service on or after 10/1/2015, ICD-10 code I80.3 was added to the payable diagnoses for Group 4, Extremity Venous Evaluation (93965, 93970 and 93971).	 Request for Coverage by a Provider (Part A)

History His	rision story mber	Revision History Explanation	Rease	on(s) for Change
10/01/2015 R9	diagnoses for C 93892, 93893. ICD-10 codes I I82.5Y9, I82.52 diagnoses for C	55.29 was added to Groups 1 and 2, payable CPT codes 93880, 93882, 93886, 93888, 93890, 82.4Y1-I82.4Y9, I82.4Z1-I82.4Z9, I82.5Y1- Z1-I82.5Z9 were added to Group 4, payable CPT codes 93965, 93970 and 93971. are effective 10/1/2015.	•	Request for Coverage by a Practitioner (Part B)
10/01/2015 R8	for Cerebrovase report suspicio	54.2 was added to Group 1, payable diagnoses cular Evaluation (93880, 93882), to be used to n of carotid artery dissection. For dates of $10/1/2015$, this condition should be reported e 723.1.	•	Request for Coverage by a Beneficiary
10/01/2015 R7	code I63.9 was Cerebrovascula payable diagno	tes of service on or after 10/1/2015, ICD-10 added to Group 1, payable diagnoses for ar Evaluation (93880, 93882), and Group 2, uses for Transcranial Doppler Studies (93886, 93892, 93893).	•	Request for Coverage by a Practitioner (Part B)
10/01/2015 R6	code I73.9 was	tes of service on or after 10/1/2015, ICD-10 added to the payable diagnoses for Extremity tion (93922, 93923, 93924, 93925, 93926, 931).	•	Request for Coverage by a Practitioner (Part B)
10/01/2015 R5	ICD-10 code gr	os were rearranged to align more closely with th roup numbers. 37.2 added to Group 8 diagnoses.	e •	Other
10/01/2015 R4	D=subsequent	were revised to add the 7th digit for encounter and S=sequela, where the 7th digit, nter was already included.		rovider ducation/Guidance
10/01/2015 R3		1/2015 to add sources reviewed for a request. No change in coverage was made.	•	Reconsideration Request
10/01/2015 R2	I12.9 to Group	code R10.2 to Group 3 and added ICD-10 code 9 covered diagnoses.	•	Other
10/01/2015 R1 Back to Top	LCD updated w posted.	ith changes made since this version was initially	•	Other

Associated Documents

Attachments N/A

Related Local Coverage Documents Article(s) <u>A52859 - Non-Invasive Vascular Studies – Supplemental</u> <u>Instructions Article</u>

Related National Coverage Documents N/A

Public Version(s) Updated on 11/21/2016 with effective dates 10/01/2016 - N/A Updated on 10/06/2016 with effective dates 10/01/2016 - N/A Updated on 09/22/2016 with effective dates 10/01/2016 - N/A Updated on 05/19/2016 with effective dates 10/01/2015 - 09/30/2016 Updated on 04/21/2016 with effective dates 10/01/2015 - N/A Updated on 03/25/2016 with effective dates 10/01/2015 - N/A Updated on 03/25/2016 with effective dates 10/01/2015 - N/A Updated on 02/18/2016 with effective dates 10/01/2015 - N/A Updated on 01/22/2016 with effective dates 10/01/2015 - N/A Updated on 11/21/2015 - N/A Updated on 11/25/2015 with effective dates 10/01/2015 - N/A Updated on 11/25/2015 with effective dates 10/01/2015 - N/A Updated on 11/2015 - N/A Updated on 10/23/2015 with effective dates 10/01/2015 - N/A Updated on 10/07/2015 with effective dates 10/01/2015 - N/A Updated on 09/09/2015 with effective dates 10/01/2015 - N/A Updated on 08/18/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 07/13/2015 with effective dates 10/01/2015 - N/A Updated on 04/02/2014 with effective dates 10/01/2015 - N/A Updated on 04/02/2014 with effective dates 10/01/2015 - N/A Updated on 04/02/2014 with effective dates 10/01/2015 - N/A Updated on 04/02/2014 with effective dates 10/01/2015 - N/A Updated on 04/02/201

Keywords

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