

Article - Billing and Coding: Non-Invasive Vascular Studies (A56758)

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Contractor Information

CONTRACTOR NAME	CONTRACT TYPE	CONTRACT NUMBER	JURISDICTION	STATES
National Government Services, Inc.	MAC - Part A	06101 - MAC A	J - 06	Illinois
National Government Services, Inc.	MAC - Part B	06102 - MAC B	J - 06	Illinois
National Government Services, Inc.	MAC - Part A	06201 - MAC A	J - 06	Minnesota
National Government Services, Inc.	MAC - Part B	06202 - MAC B	J - 06	Minnesota
National Government Services, Inc.	MAC - Part A	06301 - MAC A	J - 06	Wisconsin
National Government Services, Inc.	MAC - Part B	06302 - MAC B	J - 06	Wisconsin
National Government Services, Inc.	A and B and HHH MAC	13101 - MAC A	J - K	Connecticut
National Government Services, Inc.	A and B and HHH MAC	13102 - MAC B	J - K	Connecticut
National Government Services, Inc.	A and B and HHH MAC	13201 - MAC A	J - K	New York - Entire State
National Government Services, Inc.	A and B and HHH MAC	13202 - MAC B	J - K	New York - Downstate
National Government Services, Inc.	A and B and HHH MAC	13282 - MAC B	J - K	New York - Upstate
National Government Services, Inc.	A and B and HHH MAC	13292 - MAC B	J - K	New York - Queens
National Government Services, Inc.	A and B and HHH MAC	14111 - MAC A	J - K	Maine
National Government Services, Inc.	A and B and HHH MAC	14112 - MAC B	J - K	Maine
National Government Services, Inc.	A and B and HHH MAC	14211 - MAC A	J - K	Massachusetts
National Government Services, Inc.	A and B and HHH	14212 - MAC B	J - K	Massachusetts

CONTRACTOR NAME	CONTRACT TYPE	CONTRACT NUMBER	JURISDICTION	STATES
Inc.	MAC			
National Government Services, Inc.	A and B and HHH MAC	14311 - MAC A	J - K	New Hampshire
National Government Services, Inc.	A and B and HHH MAC	14312 - MAC B	J - K	New Hampshire
National Government Services, Inc.	A and B and HHH MAC	14411 - MAC A	J - K	Rhode Island
National Government Services, Inc.	A and B and HHH MAC	14412 - MAC B	J - K	Rhode Island
National Government Services, Inc.	A and B and HHH MAC	14511 - MAC A	J - K	Vermont
National Government Services, Inc.	A and B and HHH MAC	14512 - MAC B	J - K	Vermont

Article Information

General Information

Article ID

A56758

Article Title

Billing and Coding: Non-Invasive Vascular Studies

Article Type

Billing and Coding

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N/A

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CMS National Coverage Policy

N/A

Article Guidance

Article Text

This article contains coding and other guidelines that complement the Local Coverage Determination (LCD) for Non-Invasive Vascular Studies.

National Coverage Provisions:

42 CFR Section 410.33, Independent Diagnostic Testing Facilities:

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).

Coding Guidelines:

Procedure codes may be subject to National Correct Coding Initiative (NCCI) edits or OPPS packaging edits. Refer to NCCI and OPPS requirements prior to billing Medicare.

For services requiring a referring/ordering physician, the name and NPI of the referring/ordering physician must be reported on the claim.

A claim submitted without a valid ICD-10-CM diagnosis code will be returned to the provider as an incomplete claim under Section 1833(e) of the Social Security Act.

The diagnosis code(s) must best describe the patient's condition for which the service was performed. For diagnostic tests, report the result of the test if known; otherwise the symptoms prompting the performance of the test should be reported.

The HCPCS level II codes 93985 or 93986 should be used for the initial autogenous access vessel mapping. The CPT codes 93970 and 93971 may be used for subsequent access mapping.

If the service is done for monitoring purposes, it is not covered under Part B. No separate payment for non-invasive 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 codes 93985 or 93986 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.

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.

Documentation Requirements:

The patient's medical record must contain documentation that fully supports the medical necessity for services included within the 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 (93985, 93986) 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.

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) may be accompanied by vein-mapping studies when either study demonstrates that insufficient conduits are 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.

Coding Information

CPT/HCPCS Codes

Group 1 Paragraph:

Cerebrovascular Arterial Studies

Group 1 Codes: (2 Codes)

CODE	DESCRIPTION
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:** (5 Codes)

CODE	DESCRIPTION
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:** (7 Codes)

CODE	DESCRIPTION
93922	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 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)
93923	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

CODE	DESCRIPTION
	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 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)
93924	NONINVASIVE PHYSIOLOGIC STUDIES OF LOWER EXTREMITY ARTERIES, AT REST AND FOLLOWING TREADMILL STRESS TESTING, (IE, BIDIRECTIONAL DOPPLER WAVEFORM OR VOLUME 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	DUPLEX SCAN OF UPPER EXTREMITY ARTERIES OR ARTERIAL BYPASS GRAFTS; UNILATERAL OR LIMITED STUDY

Group 4 Paragraph:

Extremity Venous Studies

Group 4 Codes: (2 Codes)

CODE	DESCRIPTION
93970	DUPLEX SCAN OF EXTREMITY VEINS INCLUDING RESPONSES TO COMPRESSION AND OTHER MANEUVERS; COMPLETE BILATERAL STUDY
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: (4 Codes)

CODE	DESCRIPTION
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: (5 Codes)**

CODE	DESCRIPTION
93970	DUPLEX SCAN OF EXTREMITY VEINS INCLUDING RESPONSES TO COMPRESSION AND OTHER MANEUVERS; COMPLETE BILATERAL STUDY
93971	DUPLEX SCAN OF EXTREMITY VEINS INCLUDING RESPONSES TO COMPRESSION AND OTHER MANEUVERS; UNILATERAL OR LIMITED STUDY
93985	DUPLEX SCAN OF ARTERIAL INFLOW AND VENOUS OUTFLOW FOR PREOPERATIVE VESSEL ASSESSMENT PRIOR TO CREATION OF HEMODIALYSIS ACCESS; COMPLETE BILATERAL STUDY
93986	DUPLEX SCAN OF ARTERIAL INFLOW AND VENOUS OUTFLOW FOR PREOPERATIVE VESSEL ASSESSMENT PRIOR TO CREATION OF HEMODIALYSIS ACCESS; COMPLETE UNILATERAL STUDY
93990	DUPLEX SCAN OF HEMODIALYSIS ACCESS (INCLUDING ARTERIAL INFLOW, BODY OF ACCESS AND VENOUS OUTFLOW)

CPT/HCPCS Modifiers

N/A

ICD-10-CM 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 the attached 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: (260 Codes)

CODE	DESCRIPTION
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
G45.8	Other transient cerebral ischemic attacks and related syndromes
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
G81.01	Flaccid hemiplegia affecting right dominant side
G81.02	Flaccid hemiplegia affecting left dominant side
G81.03	Flaccid hemiplegia affecting right nondominant side
G81.04	Flaccid hemiplegia affecting left nondominant side
G81.11	Spastic hemiplegia affecting right dominant side
G81.12	Spastic hemiplegia affecting left dominant side
G81.13	Spastic hemiplegia affecting right nondominant side
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

CODE	DESCRIPTION
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
H34.211 - H34.213	Partial retinal artery occlusion, right eye - Partial retinal artery occlusion, bilateral
H34.231 - H34.233	Retinal artery branch occlusion, right eye - Retinal artery branch occlusion, bilateral
H34.8110 - H34.8112	Central retinal vein occlusion, right eye, with macular edema - Central retinal vein occlusion, right eye, stable
H34.8120 - H34.8122	Central retinal vein occlusion, left eye, with macular edema - Central retinal vein occlusion, left eye, stable
H34.8130 - 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
H34.8310 - H34.8312	Tributary (branch) retinal vein occlusion, right eye, with macular edema - Tributary (branch) retinal vein occlusion, right eye, stable
H34.8320 - H34.8322	Tributary (branch) retinal vein occlusion, left eye, with macular edema - Tributary (branch) retinal vein occlusion, left eye, stable
H34.8330 - H34.8332	Tributary (branch) retinal vein occlusion, bilateral, with macular edema - Tributary (branch) retinal vein occlusion, bilateral, stable

CODE	DESCRIPTION
H35.82	Retinal ischemia
H53.11	Day blindness
H53.121 - H53.123	Transient visual loss, right eye - Transient visual loss, bilateral
H53.131 - H53.133	Sudden visual loss, right eye - Sudden visual loss, bilateral
H53.2	Diplopia
H53.411 - H53.413	Scotoma involving central area, right eye - Scotoma involving central area, bilateral
H53.421 - H53.423	Scotoma of blind spot area, right eye - Scotoma of blind spot area, bilateral
H53.431 - H53.433	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
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

CODE	DESCRIPTION
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 artery
I63.212	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral artery
I63.22	Cerebral infarction due to unspecified occlusion or stenosis of basilar artery
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
CODE	DESCRIPTION
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

CODE	DESCRIPTION
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
I63.81	Other cerebral infarction due to occlusion or stenosis of small artery
I63.89	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
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
I66.23	Occlusion and stenosis of bilateral posterior cerebral arteries
I66.3	Occlusion and stenosis of cerebellar arteries
I66.8	Occlusion and stenosis of other cerebral arteries
I67.0	Dissection of cerebral arteries, nonruptured
I67.841	Reversible cerebrovascular vasoconstriction syndrome
I67.848	Other cerebrovascular vasospasm and vasoconstriction
I72.0	Aneurysm of carotid artery
I72.5	Aneurysm of other precerebral arteries
I72.6	Aneurysm of vertebral artery

CODE	DESCRIPTION
I72.8	Aneurysm of other specified arteries
I75.89	Atheroembolism of other site
I77.70	Dissection of unspecified artery
I77.71	Dissection of carotid artery
I77.74	Dissection of vertebral artery
I77.75	Dissection of other precerebral arteries
I77.79	Dissection of other specified artery
I97.810	Intraoperative cerebrovascular infarction during cardiac surgery
I97.811	Intraoperative cerebrovascular infarction during other surgery
I97.820	Postprocedural cerebrovascular infarction following cardiac surgery
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
R20.8	Other disturbances of skin sensation
R22.0	Localized swelling, mass and lump, head
R22.1	Localized swelling, mass and lump, neck
R26.0	Ataxic gait
R26.1	Paralytic gait
R26.81	Unsteadiness on feet
R26.89	Other abnormalities of gait and mobility
R27.8	Other lack of coordination
R29.5	Transient paralysis
R29.810	Facial weakness
R42	Dizziness and giddiness
R47.01	Aphasia
R47.02	Dysphasia

CODE	DESCRIPTION
R47.1	Dysarthria and anarthria
R47.81	Slurred speech
R47.82	Fluency disorder in conditions classified elsewhere
R47.89	Other speech disturbances
R55	Syncope and collapse
R90.0	Intracranial space-occupying lesion found on diagnostic imaging of central nervous system
S15.011A	Minor laceration of right carotid artery, initial encounter
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
CODE	DESCRIPTION
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

CODE	DESCRIPTION
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

CODE	DESCRIPTION
	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
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
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: (99 Codes)

CODE	DESCRIPTION
D57.01	Hb-SS disease with acute chest syndrome
D57.02	Hb-SS disease with splenic sequestration
D57.03	Hb-SS disease with cerebral vascular involvement
D57.09	Hb-SS disease with crisis with other specified complication
D57.1	Sickle-cell disease without crisis
D57.40	Sickle-cell thalassemia without crisis
D57.411	Sickle-cell thalassemia, unspecified, with acute chest syndrome
D57.412	Sickle-cell thalassemia, unspecified, with splenic sequestration
D57.413	Sickle-cell thalassemia, unspecified, with cerebral vascular involvement
D57.418	Sickle-cell thalassemia, unspecified, with crisis with other specified complication
D57.42	Sickle-cell thalassemia beta zero without crisis
D57.431	Sickle-cell thalassemia beta zero with acute chest syndrome
D57.432	Sickle-cell thalassemia beta zero with splenic sequestration
D57.433	Sickle-cell thalassemia beta zero with cerebral vascular involvement
D57.438	Sickle-cell thalassemia beta zero with crisis with other specified complication
D57.439	Sickle-cell thalassemia beta zero with crisis, unspecified
D57.44	Sickle-cell thalassemia beta plus without crisis
D57.451	Sickle-cell thalassemia beta plus with acute chest syndrome

CODE	DESCRIPTION
D57.452	Sickle-cell thalassemia beta plus with splenic sequestration
D57.453	Sickle-cell thalassemia beta plus with cerebral vascular involvement
D57.458	Sickle-cell thalassemia beta plus with crisis with other specified complication
D57.459	Sickle-cell thalassemia beta plus with crisis, unspecified
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	Nontraumatic subarachnoid hemorrhage from other intracranial arteries
I60.8	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
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

CODE	DESCRIPTION
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
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
I63.81	Other cerebral infarction due to occlusion or stenosis of small artery
I63.89	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

CODE	DESCRIPTION
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
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
I66.23	Occlusion and stenosis of bilateral posterior cerebral arteries
I66.3	Occlusion and stenosis of cerebellar arteries
I66.8	Occlusion and stenosis of other cerebral arteries
I67.841	Reversible cerebrovascular vasoconstriction syndrome
I67.848	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 Codes: (1,035 Codes)

CODE	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

CODE	DESCRIPTION
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
I70.233	Atherosclerosis of native arteries of right leg with ulceration of ankle
I70.234	Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot
I70.235	Atherosclerosis of native arteries of right leg with ulceration of other part of foot
I70.238	Atherosclerosis of native arteries of right leg with ulceration of other part of lower leg
I70.239	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
I70.242	Atherosclerosis of native arteries of left leg with ulceration of calf
I70.243	Atherosclerosis of native arteries of left leg with ulceration of ankle
I70.244	Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot
I70.245	Atherosclerosis of native arteries of left leg with ulceration of other part of foot
I70.248	Atherosclerosis of native arteries of left leg with ulceration of other part of lower leg
I70.249	Atherosclerosis of native arteries of left leg with ulceration of unspecified site
I70.25	Atherosclerosis of native arteries of other extremities with ulceration
I70.261	Atherosclerosis of native arteries of extremities with gangrene, right leg
I70.262	Atherosclerosis of native arteries of extremities with gangrene, left leg
I70.263	Atherosclerosis of native arteries of extremities with gangrene, bilateral legs
I70.268	Atherosclerosis of native arteries of extremities with gangrene, other extremity
I70.411	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, right leg
I70.412	Atherosclerosis of autologous vein bypass graft(s) of the extremities with

CODE	DESCRIPTION
	intermittent claudication, 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
I70.421	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, right leg
I70.422	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, left leg
I70.423	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, bilateral legs
I70.428	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, other extremity
I70.431	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of thigh
I70.432	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of calf
I70.433	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of ankle
I70.434	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of heel and midfoot
I70.435	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of foot
I70.438	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
I70.443	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of ankle
I70.444	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.445	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of foot
I70.448	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of lower leg

CODE	DESCRIPTION
I70.449	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
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
I70.468	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
I70.502	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg
I70.503	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs
I70.508	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other 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
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

CODE	DESCRIPTION
I70.523	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, bilateral legs
I70.528	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
I70.532	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of calf
I70.533	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
I70.535	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of foot
I70.538	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.539	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
I70.544	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.545	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of foot
I70.548	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.549	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of unspecified site
I70.55	Atherosclerosis of nonautologous biological bypass graft(s) of other extremity with ulceration
I70.561	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, right leg
I70.562	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with

CODE	DESCRIPTION
	gangrene, left leg
I70.563	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, bilateral legs
I70.568	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
I70.592	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg
I70.593	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs
I70.598	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other extremity
I70.601	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg
I70.602	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
I70.603	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs
CODE	DESCRIPTION
I70.608	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity
I70.611	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
I70.618	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
I70.622	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, left leg
I70.623	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, bilateral legs
I70.628	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain,

CODE	DESCRIPTION
	other extremity
I70.631	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of thigh
I70.632	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of calf
I70.633	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of ankle
I70.634	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
I70.638	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.639	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of unspecified site
I70.641	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of thigh
I70.642	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	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.645	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of foot
I70.648	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.649	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of unspecified site
I70.65	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
I70.668	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, other extremity

CODE	DESCRIPTION
I70.691	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg
I70.692	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
I70.693	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs
I70.698	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, right leg
I70.702	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, left leg
I70.703	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
I70.708	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
I70.711	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	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
I70.722	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, left leg
I70.723	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	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of thigh
I70.732	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of calf
I70.733	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of ankle
I70.734	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of

CODE	DESCRIPTION
	heel and midfoot
I70.735	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of foot
I70.738	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.739	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
I70.743	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
I70.748	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
I70.762	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, left leg
I70.763	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, bilateral legs
I70.768	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
I70.792	Other atherosclerosis of other type of bypass graft(s) of the extremities, left leg
I70.793	Other atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
I70.798	Other atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
I70.92	Chronic total occlusion of artery of the extremities

CODE	DESCRIPTION
I72.1	Aneurysm of artery of upper extremity
I72.4	Aneurysm of artery of lower extremity
I72.8	Aneurysm of other specified arteries
I73.00	Raynaud's syndrome without gangrene
I73.01	Raynaud's syndrome with gangrene
I73.1	Thromboangiitis obliterans [Buerger's disease]
I73.89	Other specified peripheral vascular diseases
I73.9	Peripheral vascular disease, unspecified
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
I75.011	Atheroembolism of right upper extremity
I75.012	Atheroembolism of left upper extremity
I75.013	Atheroembolism of bilateral upper extremities
I75.021	Atheroembolism of right lower extremity
I75.022	Atheroembolism of left lower extremity
I75.023	Atheroembolism of bilateral lower extremities
I76	Septic arterial embolism
I77.0	Arteriovenous fistula, acquired
I77.1	Stricture of artery
I77.70	Dissection of unspecified artery
I77.72	Dissection of iliac artery
I77.76	Dissection of artery of upper extremity
I77.77	Dissection of artery of lower extremity
I77.79	Dissection of other specified artery
I79.1	Aortitis in diseases classified elsewhere
I79.8	Other disorders of arteries, arterioles and capillaries in diseases classified elsewhere
I96	Gangrene, not elsewhere classified
I97.410	Intraoperative hemorrhage and hematoma of a circulatory system organ or structure complicating a cardiac catheterization
I97.610	Postprocedural hemorrhage of a circulatory system organ or structure following a cardiac catheterization

CODE	DESCRIPTION
I97.611	Postprocedural hemorrhage of a circulatory system organ or structure following cardiac bypass
I97.618	Postprocedural hemorrhage of a circulatory system organ or structure following other circulatory system procedure
CODE	DESCRIPTION
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
L97.115	Non-pressure chronic ulcer of right thigh with muscle involvement without evidence of necrosis
L97.116	Non-pressure chronic ulcer of right thigh with bone involvement without evidence of necrosis
L97.118	Non-pressure chronic ulcer of right thigh with other specified severity
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
L97.125	Non-pressure chronic ulcer of left thigh with muscle involvement without evidence of necrosis
L97.126	Non-pressure chronic ulcer of left thigh with bone involvement without evidence of necrosis
L97.128	Non-pressure chronic ulcer of left thigh with other specified severity
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
L97.215	Non-pressure chronic ulcer of right calf with muscle involvement without evidence of necrosis
L97.216	Non-pressure chronic ulcer of right calf with bone involvement without evidence of necrosis
L97.218	Non-pressure chronic ulcer of right calf with other specified severity

CODE	DESCRIPTION
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
L97.225	Non-pressure chronic ulcer of left calf with muscle involvement without evidence of necrosis
L97.226	Non-pressure chronic ulcer of left calf with bone involvement without evidence of necrosis
L97.228	Non-pressure chronic ulcer of left calf with other specified severity
L97.229	Non-pressure chronic ulcer of left calf with unspecified severity
L97.311	Non-pressure chronic ulcer of right ankle limited to breakdown of skin
L97.312	Non-pressure chronic ulcer of right ankle with fat layer exposed
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
L97.315	Non-pressure chronic ulcer of right ankle with muscle involvement without evidence of necrosis
L97.316	Non-pressure chronic ulcer of right ankle with bone involvement without evidence of necrosis
L97.318	Non-pressure chronic ulcer of right ankle with other specified severity
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
L97.325	Non-pressure chronic ulcer of left ankle with muscle involvement without evidence of necrosis
L97.326	Non-pressure chronic ulcer of left ankle with bone involvement without evidence of necrosis
L97.328	Non-pressure chronic ulcer of left ankle with other specified severity
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

CODE	DESCRIPTION
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
L97.415	Non-pressure chronic ulcer of right heel and midfoot with muscle involvement without evidence of necrosis
L97.416	Non-pressure chronic ulcer of right heel and midfoot with bone involvement without evidence of necrosis
L97.418	Non-pressure chronic ulcer of right heel and midfoot with other specified severity
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
L97.425	Non-pressure chronic ulcer of left heel and midfoot with muscle involvement without evidence of necrosis
L97.426	Non-pressure chronic ulcer of left heel and midfoot with bone involvement without evidence of necrosis
L97.428	Non-pressure chronic ulcer of left heel and midfoot with other specified severity
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
L97.515	Non-pressure chronic ulcer of other part of right foot with muscle involvement without evidence of necrosis
L97.516	Non-pressure chronic ulcer of other part of right foot with bone involvement without evidence of necrosis
L97.518	Non-pressure chronic ulcer of other part of right foot with other specified severity
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
L97.525	Non-pressure chronic ulcer of other part of left foot with muscle involvement without evidence of necrosis

CODE	DESCRIPTION
L97.526	Non-pressure chronic ulcer of other part of left foot with bone involvement without evidence of necrosis
L97.528	Non-pressure chronic ulcer of other part of left foot with other specified severity
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
L97.813	Non-pressure chronic ulcer of other part of right lower leg with necrosis of muscle
L97.814	Non-pressure chronic ulcer of other part of right lower leg with necrosis of bone
L97.815	Non-pressure chronic ulcer of other part of right lower leg with muscle involvement without evidence of necrosis
L97.816	Non-pressure chronic ulcer of other part of right lower leg with bone involvement without evidence of necrosis
L97.818	Non-pressure chronic ulcer of other part of right lower leg with other specified severity
L97.819	Non-pressure chronic ulcer of other part of right lower leg with unspecified severity
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 leg with fat layer exposed
L97.823	Non-pressure chronic ulcer of other part of left lower leg with necrosis of muscle
L97.824	Non-pressure chronic ulcer of other part of left lower leg with necrosis of bone
L97.825	Non-pressure chronic ulcer of other part of left lower leg with muscle involvement without evidence of necrosis
L97.826	Non-pressure chronic ulcer of other part of left lower leg with bone involvement without evidence of necrosis
L97.828	Non-pressure chronic ulcer of other part of left lower leg with other specified severity
L97.829	Non-pressure chronic ulcer of other part of left lower leg with unspecified severity
L97.915	Non-pressure chronic ulcer of unspecified part of right lower leg with muscle involvement without evidence of necrosis
L97.916	Non-pressure chronic ulcer of unspecified part of right lower leg with bone involvement without evidence of necrosis
L97.918	Non-pressure chronic ulcer of unspecified part of right lower leg with other specified severity
L97.925	Non-pressure chronic ulcer of unspecified part of left lower leg with muscle

CODE	DESCRIPTION
	involvement without evidence of necrosis
CODE	DESCRIPTION
L97.926	Non-pressure chronic ulcer of unspecified part of left lower leg with bone involvement without evidence of necrosis
L97.928	Non-pressure chronic ulcer of unspecified part of left lower leg with other specified severity
M79.89	Other specified soft tissue disorders
M96.810	Intraoperative hemorrhage and hematoma of a musculoskeletal structure complicating a musculoskeletal system procedure
M96.811	Intraoperative hemorrhage and hematoma of a musculoskeletal structure complicating other procedure
M96.830	Postprocedural hemorrhage of a musculoskeletal structure following a musculoskeletal system procedure
M96.831	Postprocedural hemorrhage of a musculoskeletal structure following other procedure
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
S45.001S	Unspecified injury of axillary artery, right side, sequela
S45.002A	Unspecified injury of axillary artery, left side, initial encounter
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
S45.011S	Laceration of axillary artery, right side, sequela
S45.012A	Laceration of axillary artery, left side, initial encounter
S45.012D	Laceration of axillary artery, left side, subsequent encounter
S45.012S	Laceration of axillary artery, left side, sequela
S45.091A	Other specified injury of axillary artery, right side, initial encounter
S45.091D	Other specified injury of axillary artery, right side, subsequent encounter
S45.091S	Other specified injury of axillary artery, right side, sequela
S45.092A	Other specified injury of axillary artery, left side, initial encounter

CODE	DESCRIPTION
S45.092D	Other specified injury of axillary artery, left side, subsequent encounter
S45.092S	Other specified injury of axillary artery, left side, sequela
S45.101A	Unspecified injury of brachial artery, right side, initial encounter
S45.101D	Unspecified injury of brachial artery, right side, subsequent encounter
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
S45.111A	Laceration of brachial artery, right side, initial encounter
S45.111D	Laceration of brachial artery, right side, subsequent encounter
S45.111S	Laceration of brachial artery, right side, sequela
S45.112A	Laceration of brachial artery, left side, initial encounter
S45.112D	Laceration of brachial artery, left side, subsequent encounter
S45.112S	Laceration of brachial artery, left side, sequela
S45.191A	Other specified injury of brachial artery, right side, initial encounter
S45.191D	Other specified injury of brachial artery, right side, subsequent encounter
S45.191S	Other specified injury of brachial artery, right side, sequela
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
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

CODE	DESCRIPTION
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	Other specified injury of axillary or brachial vein, right side, sequela
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
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	Other specified injury of superficial vein at shoulder and upper arm level, right arm, sequela
S45.392A	Other specified injury of superficial vein at shoulder and upper arm level, left arm, initial encounter

CODE	DESCRIPTION
S45.392D	Other specified injury of superficial vein at shoulder and upper arm level, left arm, subsequent 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
S45.802A	Unspecified injury of other specified blood vessels at shoulder and upper arm level, left arm, initial encounter
S45.802D	Unspecified injury of other specified blood vessels at shoulder and upper arm level, left arm, subsequent encounter
S45.802S	Unspecified injury of other specified blood vessels at shoulder and upper arm level, left arm, sequela
S45.811A	Laceration of other specified blood vessels at shoulder and upper arm level, right arm, initial encounter
S45.811D	Laceration of other specified blood vessels at shoulder and upper arm level, right arm, subsequent encounter
S45.811S	Laceration of other specified blood vessels at shoulder and upper arm level, right arm, sequela
S45.812A	Laceration of other specified blood vessels at shoulder and upper arm level, left arm, initial encounter
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

CODE	DESCRIPTION
	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
CODE	DESCRIPTION
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,

CODE	DESCRIPTION
	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	Laceration of ulnar artery at forearm level, right arm, subsequent encounter
S55.011S	Laceration of ulnar artery at forearm level, right arm, sequela
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
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
S55.101A	Unspecified injury of radial artery at forearm level, right arm, initial encounter
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
S55.112A	Laceration of radial artery at forearm level, left arm, initial encounter

CODE	DESCRIPTION
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
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
S55.212S	Laceration of vein at forearm level, left arm, sequela
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

CODE	DESCRIPTION
S55.811S	Laceration of other blood vessels at forearm level, right arm, sequela
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
S55.891D	Other specified injury of other blood vessels at forearm level, right arm, subsequent encounter
S55.891S	Other specified injury of other blood vessels at forearm level, right arm, sequela
S55.892A	Other specified injury of other blood vessels at forearm level, left arm, initial encounter
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
S55.902D	Unspecified injury of unspecified blood vessel at forearm level, left arm, subsequent encounter
S55.902S	Unspecified injury of unspecified blood vessel at forearm level, left arm, sequela
S55.911A	Laceration of unspecified blood vessel at forearm level, right arm, initial encounter
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
S55.991D	Other specified injury of unspecified blood vessel at forearm level, right arm,

CODE	DESCRIPTION
	subsequent encounter
S55.991S	Other specified injury of unspecified blood vessel at forearm level, right arm, sequela
S55.992A	Other specified injury of unspecified blood vessel at forearm level, left arm, initial encounter
S55.992D	Other specified injury of unspecified blood vessel at forearm level, left arm, subsequent encounter
CODE	DESCRIPTION
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
S65.001D	Unspecified injury of ulnar artery at wrist and hand level of right arm, subsequent encounter
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
S65.002D	Unspecified injury of ulnar artery at wrist and hand level of left arm, subsequent encounter
S65.002S	Unspecified injury of ulnar artery at wrist and hand level of 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
S65.091A	Other specified injury of ulnar artery at wrist and hand level of right arm, initial encounter
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

CODE	DESCRIPTION
S65.092S	Other specified injury of ulnar artery at wrist and hand level of left arm, sequela
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
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
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
S65.191A	Other specified injury of radial artery at wrist and hand level of right arm, initial encounter
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
S65.201A	Unspecified injury of superficial palmar arch of right hand, initial encounter
S65.201D	Unspecified injury of superficial palmar arch of right hand, subsequent encounter
S65.201S	Unspecified injury of superficial palmar arch of right hand, sequela
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

CODE	DESCRIPTION
S65.211A	Laceration of superficial palmar arch of right hand, initial encounter
S65.211D	Laceration of superficial palmar arch of right hand, subsequent encounter
S65.211S	Laceration of superficial palmar arch of right hand, sequela
S65.212A	Laceration of superficial palmar arch of left hand, initial encounter
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
S65.292A	Other specified injury of superficial palmar arch of left hand, initial encounter
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
S65.302A	Unspecified injury of deep palmar arch of left hand, initial encounter
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
S65.391A	Other specified injury of deep palmar arch of right hand, initial encounter
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

CODE	DESCRIPTION
S65.801D	Unspecified injury of other blood vessels at wrist and hand level of right arm, subsequent 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
S65.802D	Unspecified injury of other blood vessels at wrist and hand level of left arm, subsequent encounter
S65.802S	Unspecified injury of other blood vessels at wrist and hand level of left arm, sequela
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
S65.812A	Laceration of other blood vessels at wrist and hand level of left arm, initial encounter
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
S65.891D	Other specified injury of other blood vessels at wrist and hand level of right arm, subsequent encounter
S65.891S	Other specified injury of other blood vessels at wrist and hand level of right arm, sequela
S65.892A	Other specified injury of other blood vessels at wrist and hand level of left arm, initial encounter
S65.892D	Other specified injury of other blood vessels at wrist and hand level of left arm, subsequent encounter
S65.892S	Other specified injury of other blood vessels at wrist and hand level of left arm, sequela
S65.901A	Unspecified injury of unspecified blood vessel at wrist and hand level of right arm, initial encounter
S65.901D	Unspecified injury of unspecified blood vessel at wrist and hand level of right arm, subsequent encounter
S65.901S	Unspecified injury of unspecified blood vessel at wrist and hand level of right arm, sequela

CODE	DESCRIPTION
S65.902A	Unspecified injury of unspecified blood vessel at wrist and hand level of left arm, initial encounter
S65.902D	Unspecified injury of unspecified blood vessel at wrist and hand level of left arm, subsequent encounter
S65.902S	Unspecified injury of unspecified blood vessel at wrist and hand level of left arm, sequela
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
CODE	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
S65.991D	Other specified injury of unspecified blood vessel at wrist and hand of right arm, subsequent 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	Unspecified injury of femoral artery, left leg, sequela

CODE	DESCRIPTION
S75.011A	Minor laceration of femoral artery, right leg, initial encounter
S75.011D	Minor laceration of femoral artery, right leg, subsequent encounter
S75.011S	Minor laceration of femoral artery, right leg, sequela
S75.012A	Minor laceration of femoral artery, left leg, initial encounter
S75.012D	Minor laceration of femoral artery, left leg, subsequent encounter
S75.012S	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	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

CODE	DESCRIPTION
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
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	Unspecified injury of unspecified blood vessel at hip and thigh level, right leg, sequela
S75.902A	Unspecified injury of unspecified blood vessel at hip and thigh level, left leg, initial encounter
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
S75.911A	Laceration of unspecified blood vessel at hip and thigh level, right leg, initial encounter
S75.911D	Laceration of unspecified blood vessel at hip and thigh level, right leg, subsequent encounter
S75.911S	Laceration of unspecified blood vessel at hip and thigh level, right leg, sequela
S75.912A	Laceration of unspecified blood vessel at hip and thigh level, left leg, initial encounter
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, sequela
S75.991A	Other specified injury of unspecified blood vessel at hip and thigh level, right leg, initial encounter

CODE	DESCRIPTION
S75.991D	Other specified injury of unspecified blood vessel at hip and thigh level, right leg, subsequent 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
S75.992D	Other specified injury of unspecified blood vessel at hip and thigh level, left leg, subsequent encounter
S75.992S	Other specified injury of unspecified blood vessel at hip and thigh level, left leg, sequela
S85.001A	Unspecified injury of popliteal artery, right leg, initial encounter
S85.001D	Unspecified injury of popliteal artery, right leg, subsequent encounter
S85.001S	Unspecified injury of popliteal artery, right leg, sequela
S85.002A	Unspecified injury of popliteal artery, left leg, initial encounter
S85.002D	Unspecified injury of popliteal artery, left leg, subsequent encounter
S85.002S	Unspecified injury of popliteal artery, left leg, sequela
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
S85.012D	Laceration of popliteal artery, left leg, subsequent encounter
S85.012S	Laceration of popliteal artery, left leg, sequela
S85.091A	Other specified injury of popliteal artery, right leg, initial encounter
S85.091D	Other specified injury of popliteal artery, right leg, subsequent encounter
S85.091S	Other specified injury of popliteal artery, right leg, sequela
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

CODE	DESCRIPTION
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, sequela
S85.121A	Other specified injury of unspecified tibial artery, right leg, initial encounter
CODE	DESCRIPTION
S85.121D	Other specified injury of unspecified tibial artery, right leg, subsequent encounter
S85.121S	Other specified injury of unspecified tibial artery, right leg, sequela
S85.122A	Other specified injury of unspecified tibial artery, left leg, initial encounter
S85.122D	Other specified injury of unspecified tibial artery, left leg, subsequent encounter
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, sequela
S85.132A	Unspecified injury of anterior tibial artery, left leg, initial encounter
S85.132D	Unspecified injury of anterior tibial artery, left leg, subsequent encounter
S85.132S	Unspecified injury of anterior tibial artery, left leg, sequela
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, sequela
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, sequela
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, sequela
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

CODE	DESCRIPTION
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
S85.162A	Unspecified injury of posterior tibial artery, left leg, initial encounter
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
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
S85.181S	Other specified injury of posterior tibial artery, right leg, sequela
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, sequela
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, sequela
S85.291A	Other specified injury of peroneal artery, right leg, initial encounter
S85.291D	Other specified injury of peroneal artery, right leg, subsequent encounter

CODE	DESCRIPTION
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
S85.801A	Unspecified injury of other blood vessels at lower leg level, right leg, initial encounter
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, sequela
S85.812A	Laceration of other blood vessels at lower leg level, left leg, initial encounter
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
S85.891D	Other specified injury of other blood vessels at lower leg level, right leg, subsequent encounter
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
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, sequela
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, sequela

CODE	DESCRIPTION
S85.902A	Unspecified injury of unspecified blood vessel at lower leg level, left leg, initial encounter
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
S85.911A	Laceration of unspecified blood vessel at lower leg level, right leg, initial encounter
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, sequela
S85.991A	Other specified injury of unspecified blood vessel at lower leg level, right leg, initial encounter
S85.991D	Other specified injury of unspecified blood vessel at lower leg level, right leg, subsequent encounter
S85.991S	Other specified injury of unspecified blood vessel at lower leg level, right leg, sequela
S85.992A	Other specified injury of unspecified blood vessel at lower leg level, left leg, initial encounter
S85.992D	Other specified injury of unspecified blood vessel at lower leg level, left leg, subsequent encounter
S85.992S	Other specified injury of unspecified blood vessel at lower leg level, left leg, sequela
S95.001A	Unspecified injury of dorsal artery of right foot, initial encounter
S95.001D	Unspecified injury of dorsal artery of right foot, subsequent encounter
S95.001S	Unspecified injury of dorsal artery of right foot, sequela
S95.002A	Unspecified injury of dorsal artery of left foot, initial encounter
S95.002D	Unspecified injury of dorsal artery of left foot, subsequent encounter
CODE	DESCRIPTION
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

CODE	DESCRIPTION
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
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
S95.101A	Unspecified injury of plantar artery of right foot, initial encounter
S95.101D	Unspecified injury of plantar artery of right foot, subsequent encounter
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
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
S95.192D	Other specified injury of plantar artery of left foot, subsequent encounter
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

CODE	DESCRIPTION
S95.202S	Unspecified injury of dorsal vein of left foot, sequela
S95.211A	Laceration of dorsal vein of right foot, initial encounter
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
S95.291A	Other specified injury of dorsal vein of right foot, initial encounter
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
S95.801S	Unspecified injury of other blood vessels at ankle and foot level, right leg, sequela
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, sequela
S95.812A	Laceration of other blood vessels at ankle and foot level, left leg, initial encounter
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
S95.891D	Other specified injury of other blood vessels at ankle and foot level, right leg,

CODE	DESCRIPTION
	subsequent 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
S95.892S	Other specified injury of other blood vessels at ankle and foot level, left leg, sequela
S95.901A	Unspecified injury of unspecified blood vessel at ankle and foot level, right leg, initial encounter
S95.901D	Unspecified injury of unspecified blood vessel at ankle and foot level, right leg, subsequent encounter
S95.901S	Unspecified injury of unspecified blood vessel at ankle and foot level, right leg, sequela
S95.902A	Unspecified injury of unspecified blood vessel at ankle and foot level, left leg, initial encounter
S95.902D	Unspecified injury of unspecified blood vessel at ankle and foot level, left leg, subsequent encounter
S95.902S	Unspecified injury of unspecified blood vessel at ankle and foot level, left leg, sequela
S95.911A	Laceration of unspecified blood vessel at ankle and foot level, right leg, initial encounter
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
S95.912D	Laceration of unspecified blood vessel at ankle and foot level, left leg, subsequent encounter
S95.912S	Laceration of unspecified blood vessel at ankle and foot level, left leg, sequela
S95.991A	Other specified injury of unspecified blood vessel at ankle and foot level, right leg, initial encounter
S95.991D	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

CODE	DESCRIPTION
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	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
T82.312A	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
CODE	DESCRIPTION
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
T82.332A	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

CODE	DESCRIPTION
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	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, 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
T82.514A	Breakdown (mechanical) of infusion catheter, initial encounter

CODE	DESCRIPTION
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
T82.518A	Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter
T82.518D	Breakdown (mechanical) of other cardiac and vascular devices and implants, subsequent 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, sequela

CODE	DESCRIPTION
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
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
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

CODE	DESCRIPTION
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
CODE	DESCRIPTION
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	Stenosis of peripheral vascular stent, subsequent encounter
T82.856S	Stenosis of peripheral vascular stent, sequela
T82.858A	Stenosis of other vascular prosthetic devices, implants and grafts, initial encounter

CODE	DESCRIPTION
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
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 (93970 and 93971)

Group 4 Codes: (641 Codes)

CODE	DESCRIPTION
E08.52	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene

CODE	DESCRIPTION
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
I70.468	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, other extremity
I70.561	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, right leg
I70.562	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, left leg
I70.563	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, bilateral legs
I70.568	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
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
I70.668	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene,

CODE	DESCRIPTION
	other extremity
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
I70.763	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, bilateral legs
I70.768	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
I80.02	Phlebitis and thrombophlebitis of superficial vessels of left lower extremity
I80.03	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	Phlebitis and thrombophlebitis of left iliac vein
I80.213	Phlebitis and thrombophlebitis of iliac vein, bilateral
I80.221	Phlebitis and thrombophlebitis of right popliteal vein
I80.222	Phlebitis and thrombophlebitis of left popliteal vein
I80.223	Phlebitis and thrombophlebitis of popliteal vein, bilateral
I80.231	Phlebitis and thrombophlebitis of right tibial vein
I80.232	Phlebitis and thrombophlebitis of left tibial vein
I80.233	Phlebitis and thrombophlebitis of tibial vein, bilateral
I80.241	Phlebitis and thrombophlebitis of right peroneal vein
I80.242	Phlebitis and thrombophlebitis of left peroneal vein
I80.243	Phlebitis and thrombophlebitis of peroneal vein, bilateral
I80.251	Phlebitis and thrombophlebitis of right calf muscular vein
I80.252	Phlebitis and thrombophlebitis of left calf muscular vein
I80.253	Phlebitis and thrombophlebitis of calf muscular vein, bilateral
I80.291	Phlebitis and thrombophlebitis of other deep vessels of right lower extremity
I80.292	Phlebitis and thrombophlebitis of other deep vessels of left lower extremity

CODE	DESCRIPTION
I80.293	Phlebitis and thrombophlebitis of other deep vessels of lower extremity, bilateral
I80.3	Phlebitis and thrombophlebitis of lower extremities, unspecified
I80.8	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
I82.411	Acute embolism and thrombosis of right femoral vein
I82.412	Acute embolism and thrombosis of left femoral vein
I82.413	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
I82.441	Acute embolism and thrombosis of right tibial vein
I82.442	Acute embolism and thrombosis of left tibial vein
I82.443	Acute embolism and thrombosis of tibial vein, bilateral
I82.451	Acute embolism and thrombosis of right peroneal vein
I82.452	Acute embolism and thrombosis of left peroneal vein
I82.453	Acute embolism and thrombosis of peroneal vein, bilateral
I82.461	Acute embolism and thrombosis of right calf muscular vein
I82.462	Acute embolism and thrombosis of left calf muscular vein
I82.463	Acute embolism and thrombosis of calf muscular vein, bilateral
I82.491	Acute embolism and thrombosis of other specified deep vein of right lower extremity
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
I82.4Y1 - I82.4Y9	Acute embolism and thrombosis of unspecified deep veins of right proximal lower extremity - Acute embolism and thrombosis of unspecified deep veins of unspecified proximal lower extremity

CODE	DESCRIPTION
I82.4Z1 - I82.4Z9	Acute embolism and thrombosis of unspecified deep veins of right distal lower extremity - Acute embolism and thrombosis of unspecified deep veins of unspecified distal lower extremity
I82.511	Chronic embolism and thrombosis of right femoral vein
I82.512	Chronic embolism and thrombosis of left femoral vein
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
I82.523	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
I82.551	Chronic embolism and thrombosis of right peroneal vein
I82.552	Chronic embolism and thrombosis of left peroneal vein
I82.553	Chronic embolism and thrombosis of peroneal vein, bilateral
I82.561	Chronic embolism and thrombosis of right calf muscular vein
I82.562	Chronic embolism and thrombosis of left calf muscular vein
I82.563	Chronic embolism and thrombosis of calf muscular vein, bilateral
I82.591	Chronic embolism and thrombosis of other specified deep vein of right lower extremity
CODE	DESCRIPTION
I82.592	Chronic embolism and thrombosis of other specified deep vein of left lower extremity
I82.593	Chronic embolism and thrombosis of other specified deep vein of lower extremity, bilateral
I82.5Y1 - I82.5Y9	Chronic embolism and thrombosis of unspecified deep veins of right proximal lower extremity - Chronic embolism and thrombosis of unspecified deep veins of unspecified proximal lower extremity
I82.5Z1 - I82.5Z9	Chronic embolism and thrombosis of unspecified deep veins of right distal lower extremity - Chronic embolism and thrombosis of unspecified deep veins of unspecified distal lower extremity

CODE	DESCRIPTION
I82.611	Acute embolism and thrombosis of superficial veins of right upper extremity
I82.612	Acute embolism and thrombosis of superficial veins of left upper extremity
I82.613	Acute embolism and thrombosis of superficial veins of upper extremity, bilateral
I82.621	Acute embolism and thrombosis of deep veins of right upper extremity
I82.622	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
I82.713	Chronic embolism and thrombosis of superficial veins of upper extremity, bilateral
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
I82.B12	Acute embolism and thrombosis of left subclavian vein
I82.B13	Acute embolism and thrombosis of subclavian vein, bilateral
I82.B21	Chronic embolism and thrombosis of right subclavian vein
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
I82.C21	Chronic embolism and thrombosis of right internal jugular vein
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 extremity
I82.812	Embolism and thrombosis of superficial veins of left lower extremity

CODE	DESCRIPTION
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
I83.028	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
I83.212	Varicose veins of right lower extremity with both ulcer of calf and inflammation
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
I83.218	Varicose veins of right lower extremity with both ulcer of other part of lower extremity and 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
I83.228	Varicose veins of left lower extremity with both ulcer of other part of lower extremity and inflammation

CODE	DESCRIPTION
I83.811	Varicose veins of right lower extremity with pain
I83.812	Varicose veins of left lower extremity with pain
I83.813	Varicose veins of bilateral lower extremities with pain
I83.891	Varicose veins of right lower extremity with other complications
I83.892	Varicose veins of left lower extremity with other complications
I83.893	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
I87.022	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
I87.092	Postthrombotic syndrome with other complications of left lower extremity
I87.093	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
I87.302	Chronic venous hypertension (idiopathic) without complications of left lower extremity
I87.303	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

CODE	DESCRIPTION
I87.323	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
I87.333	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
CODE	DESCRIPTION
I96	Gangrene, not elsewhere classified
I97.51	Accidental puncture and laceration of a circulatory system organ or structure during a circulatory system procedure
I97.52	Accidental puncture and laceration of a circulatory system organ or structure during other procedure
J96.00	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia
J96.01	Acute respiratory failure with hypoxia
J96.02	Acute respiratory failure with hypercapnia
J96.10	Chronic respiratory failure, unspecified whether with hypoxia or hypercapnia
J96.11	Chronic respiratory failure with hypoxia
J96.12	Chronic respiratory failure with hypercapnia
J96.20	Acute and chronic respiratory failure, unspecified whether with hypoxia or hypercapnia
J96.21	Acute and chronic respiratory failure with hypoxia
J96.22	Acute and chronic respiratory failure with hypercapnia
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

CODE	DESCRIPTION
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	Pain in left upper arm
M79.631	Pain in right forearm
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
O22.21	Superficial thrombophlebitis in pregnancy, first trimester
O22.22	Superficial thrombophlebitis in pregnancy, second trimester
O22.23	Superficial thrombophlebitis in pregnancy, third trimester
O22.31	Deep phlebothrombosis in pregnancy, first trimester
O22.32	Deep phlebothrombosis in pregnancy, second trimester
O22.33	Deep phlebothrombosis in pregnancy, third trimester
O86.81	Puerperal septic thrombophlebitis
O87.0	Superficial thrombophlebitis in the puerperium

CODE	DESCRIPTION
O87.1	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
R07.81	Pleurodynia
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
R22.42	Localized swelling, mass and lump, left lower limb
R22.43	Localized swelling, mass and lump, lower limb, bilateral
R60.0	Localized edema
R60.1	Generalized edema
R60.9	Edema, unspecified
R79.1	Abnormal coagulation profile
R79.89	Other specified abnormal findings of blood chemistry
R94.2	Abnormal results of pulmonary function studies
S45.111A	Laceration of brachial artery, right side, initial encounter
S45.111D	Laceration of brachial artery, right side, subsequent encounter
S45.111S	Laceration of brachial artery, right side, sequela
S45.112A	Laceration of brachial artery, left side, initial encounter
S45.112D	Laceration of brachial artery, left side, subsequent encounter
S45.112S	Laceration of brachial artery, left side, sequela
S45.191A	Other specified injury of brachial artery, right side, initial encounter
S45.191D	Other specified injury of brachial artery, right side, subsequent encounter
S45.191S	Other specified injury of brachial artery, right side, sequela

CODE	DESCRIPTION
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
S45.211A	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	Other specified injury of axillary or brachial vein, right side, sequela
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
S55.011S	Laceration of ulnar artery at forearm level, right arm, sequela
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
CODE	DESCRIPTION
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
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
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

CODE	DESCRIPTION
S55.111S	Laceration of radial artery at forearm level, right arm, sequela
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
S65.091A	Other specified injury of ulnar artery at wrist and hand level of right arm, initial encounter
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
S65.092S	Other specified injury of ulnar artery at wrist and hand level of left arm, sequela
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
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

CODE	DESCRIPTION
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
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
S75.111A	Minor laceration of femoral vein at hip and thigh level, right leg, initial encounter
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, sequela
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
S75.112S	Minor laceration of femoral vein at hip and thigh level, left leg, sequela
S75.121A	Major laceration of femoral vein at hip and thigh level, right leg, initial encounter
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
S75.191D	Other specified injury of femoral vein at hip and thigh level, right leg, subsequent encounter
S75.191S	Other specified injury of femoral vein at hip and thigh level, right leg, sequela
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

CODE	DESCRIPTION
	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, sequela
S75.212A	Minor laceration of greater saphenous vein at hip and thigh level, left leg, initial encounter
S75.212D	Minor laceration of greater saphenous vein at hip and thigh level, left leg, subsequent encounter
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
S75.221D	Major laceration of greater saphenous vein at hip and thigh level, right leg, subsequent encounter
S75.221S	Major laceration of greater saphenous vein at hip and thigh level, right leg, sequela
S75.222A	Major laceration of greater saphenous vein at hip and thigh level, left leg, initial encounter
S75.222D	Major laceration of greater saphenous vein at hip and thigh level, left leg, subsequent encounter
S75.222S	Major laceration of greater saphenous vein at hip and thigh level, left leg, sequela
S75.291A	Other specified injury of greater saphenous vein at hip and thigh level, right leg, initial encounter
S75.291D	Other specified injury of greater saphenous vein at hip and thigh level, right leg, subsequent encounter
S75.291S	Other specified injury of greater saphenous vein at hip and thigh level, right leg, sequela
S75.292A	Other specified injury of greater saphenous vein at hip and thigh level, left leg, initial encounter
S75.292D	Other specified injury of greater saphenous vein at hip and thigh level, left leg, subsequent 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

CODE	DESCRIPTION
	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
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
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, sequela
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, sequela
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
CODE	DESCRIPTION
S85.311A	Laceration of greater saphenous vein at lower leg level, right leg, initial encounter
S85.311D	Laceration of greater saphenous vein at lower leg level, right leg, subsequent encounter
S85.311S	Laceration of greater saphenous vein at lower leg level, right leg, sequela

CODE	DESCRIPTION
S85.312A	Laceration of greater saphenous vein at lower leg level, left leg, initial encounter
S85.312D	Laceration of greater saphenous vein at lower leg level, left leg, subsequent encounter
S85.312S	Laceration of greater saphenous vein at lower leg level, left leg, sequela
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, sequela
S85.392A	Other specified injury of greater saphenous vein at lower leg level, left leg, initial encounter
S85.392D	Other specified injury of greater saphenous vein at lower leg level, left leg, subsequent encounter
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
S85.411S	Laceration of lesser saphenous vein at lower leg level, right leg, sequela
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
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
S85.491S	Other specified injury of lesser saphenous vein at lower leg level, right leg, sequela
S85.492A	Other specified injury of lesser saphenous vein at lower leg level, left leg, initial encounter
S85.492D	Other specified injury of lesser saphenous vein at lower leg level, left leg, subsequent encounter
S85.492S	Other specified injury of lesser saphenous vein at lower leg level, left leg, sequela
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, sequela

CODE	DESCRIPTION
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, sequela
S85.591A	Other specified injury of popliteal vein, right leg, initial encounter
S85.591D	Other specified injury of popliteal vein, right leg, subsequent encounter
S85.591S	Other specified injury of popliteal vein, right leg, sequela
S85.592A	Other specified injury of popliteal vein, left leg, initial encounter
S85.592D	Other specified injury of popliteal vein, left leg, subsequent encounter
S85.592S	Other specified injury of popliteal vein, 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, sequela
S85.812A	Laceration of other blood vessels at lower leg level, left leg, initial encounter
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
S85.891D	Other specified injury of other blood vessels at lower leg level, right leg, subsequent encounter
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
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, 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

CODE	DESCRIPTION
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
S95.211A	Laceration of dorsal vein of right foot, initial encounter
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
S95.291A	Other specified injury of dorsal vein of right foot, initial encounter
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, sequela
S95.812A	Laceration of other blood vessels at ankle and foot level, left leg, initial encounter
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
S95.891D	Other specified injury of other blood vessels at ankle and foot level, right leg, subsequent 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

CODE	DESCRIPTION
S95.892S	Other specified injury of other blood vessels at ankle and foot level, left leg, sequela
T80.1XXA	Vascular complications following infusion, transfusion and therapeutic injection, initial encounter
T80.1XXD	Vascular complications following infusion, transfusion and therapeutic injection, subsequent 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, 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
CODE	DESCRIPTION
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
T82.332A	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

CODE	DESCRIPTION
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	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, 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

CODE	DESCRIPTION
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
T82.518A	Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter
T82.518D	Breakdown (mechanical) of other cardiac and vascular devices and implants, subsequent 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

CODE	DESCRIPTION
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, 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
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
T82.594D	Other mechanical complication of infusion catheter, subsequent encounter
T82.594S	Other mechanical complication of infusion catheter, sequela

CODE	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
CODE	DESCRIPTION
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

CODE	DESCRIPTION
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.

Group 5 Codes: (552 Codes)

CODE	DESCRIPTION
C22.0	Liver cell carcinoma
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

CODE	DESCRIPTION
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
I70.0	Atherosclerosis of aorta
I70.1	Atherosclerosis of renal artery
I71.010	Dissection of ascending aorta
I71.011	Dissection of aortic arch
I71.012	Dissection of descending thoracic aorta
I71.019	Dissection of thoracic aorta, unspecified
I71.02	Dissection of abdominal aorta
I71.03	Dissection of thoracoabdominal aorta
I71.10	Thoracic aortic aneurysm, ruptured, unspecified
I71.11	Aneurysm of the ascending aorta, ruptured
I71.12	Aneurysm of the aortic arch, ruptured
I71.13	Aneurysm of the descending thoracic aorta, ruptured
I71.20	Thoracic aortic aneurysm, without rupture, unspecified
I71.21	Aneurysm of the ascending aorta, without rupture
I71.22	Aneurysm of the aortic arch, without rupture
I71.23	Aneurysm of the descending thoracic aorta, without rupture

CODE	DESCRIPTION
I71.30	Abdominal aortic aneurysm, ruptured, unspecified
I71.31	Pararenal abdominal aortic aneurysm, ruptured
I71.32	Juxtarenal abdominal aortic aneurysm, ruptured
I71.33	Infrarenal abdominal aortic aneurysm, ruptured
I71.40	Abdominal aortic aneurysm, without rupture, unspecified
I71.41	Pararenal abdominal aortic aneurysm, without rupture
I71.42	Juxtarenal abdominal aortic aneurysm, without rupture
I71.43	Infrarenal abdominal aortic aneurysm, without rupture
I71.50	Thoracoabdominal aortic aneurysm, ruptured, unspecified
I71.51	Supraceliac aneurysm of the abdominal aorta, ruptured
I71.52	Paravisceral aneurysm of the abdominal aorta, ruptured
I71.60	Thoracoabdominal aortic aneurysm, without rupture, unspecified
I71.61	Supraceliac aneurysm of the abdominal aorta, without rupture
I71.62	Paravisceral aneurysm of the abdominal aorta, without rupture
I72.2	Aneurysm of renal artery
I72.3	Aneurysm of iliac artery
I72.4	Aneurysm of artery of lower extremity
I72.8	Aneurysm of other specified arteries
I74.01	Saddle embolus of abdominal aorta
I74.09	Other arterial embolism and thrombosis of abdominal aorta
I74.11	Embolism and thrombosis of thoracic aorta
I74.19	Embolism and thrombosis of other parts of aorta
I74.5	Embolism and thrombosis of iliac artery
I74.8	Embolism and thrombosis of other arteries
I75.81	Atheroembolism of kidney
I76	Septic arterial embolism
I77.3	Arterial fibromuscular dysplasia
I77.4	Celiac artery compression syndrome
I77.70	Dissection of unspecified artery
I77.72	Dissection of iliac artery
I77.73	Dissection of renal artery
I77.810	Thoracic aortic ectasia

CODE	DESCRIPTION
I77.811	Abdominal aortic ectasia
I77.812	Thoracoabdominal aortic ectasia
I77.82	Antineutrophilic cytoplasmic antibody [ANCA] vasculitis
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
I81	Portal vein thrombosis
I82.0	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
I85.00	Esophageal varices without bleeding
I85.01	Esophageal varices with bleeding
I86.4	Gastric varices
I86.8	Varicose veins of other specified sites
I87.1	Compression of vein
J95.87	Transfusion-associated dyspnea (TAD)
K55.011 - 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
K74.00	Hepatic fibrosis, unspecified
K74.01	Hepatic fibrosis, early fibrosis
CODE	DESCRIPTION
K74.02	Hepatic fibrosis, advanced fibrosis

CODE	DESCRIPTION
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	Page kidney
N27.0	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

CODE	DESCRIPTION
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
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
O22.31	Deep phlebothrombosis in pregnancy, first trimester
O22.32	Deep phlebothrombosis in pregnancy, second trimester
O22.33	Deep phlebothrombosis in pregnancy, third trimester
O86.81	Puerperal septic thrombophlebitis
O87.1	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

CODE	DESCRIPTION
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
R74.01	Elevation of levels of liver transaminase levels
R74.02	Elevation of levels of 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	Minor laceration of right innominate or subclavian artery, sequela
S25.112S	Minor laceration of left innominate or subclavian artery, sequela
S25.121S	Major laceration of right innominate or subclavian artery, sequela
S25.122S	Major laceration of left innominate or subclavian artery, sequela
S25.191S	Other specified injury of right innominate or subclavian artery, sequela
S25.192S	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

CODE	DESCRIPTION
S25.421S	Major laceration of right pulmonary blood vessels, sequela
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
CODE	DESCRIPTION
S25.511S	Laceration of intercostal blood vessels, right side, sequela
S25.512S	Laceration of intercostal blood vessels, left side, sequela
S25.591S	Other specified injury of intercostal blood vessels, right side, sequela
S25.592S	Other specified injury of intercostal blood vessels, left side, sequela
S25.811S	Laceration of other blood vessels of thorax, right side, sequela
S25.812S	Laceration of other blood vessels of thorax, left side, sequela
S25.891S	Other specified injury of other blood vessels of thorax, right side, sequela
S25.892S	Other specified injury of other blood vessels of thorax, left side, sequela
S35.01XA	Minor laceration of abdominal aorta, initial encounter
S35.01XD	Minor laceration of abdominal aorta, subsequent encounter
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
S35.02XS	Major laceration of abdominal aorta, sequela
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

CODE	DESCRIPTION
S35.211D	Minor laceration of celiac artery, subsequent encounter
S35.211S	Minor laceration of celiac artery, sequela
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
S35.218D	Other injury of celiac artery, subsequent encounter
S35.218S	Other injury of celiac artery, sequela
S35.221A	Minor laceration of superior mesenteric artery, initial encounter
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
S35.238A	Other injury of inferior mesenteric artery, initial encounter
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
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
S35.292D	Major laceration of branches of celiac and mesenteric artery, subsequent encounter
S35.292S	Major laceration of branches of celiac and mesenteric artery, sequela

CODE	DESCRIPTION
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
S35.318D	Other specified injury of portal vein, subsequent encounter
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
S35.328A	Other specified injury of splenic vein, initial encounter
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
S35.338A	Other specified injury of superior mesenteric vein, initial encounter
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
S35.411A	Laceration of right renal artery, initial encounter
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
S35.412D	Laceration of left renal artery, subsequent encounter

CODE	DESCRIPTION
S35.412S	Laceration of left renal artery, sequela
S35.414A	Laceration of right renal vein, initial encounter
S35.414D	Laceration of right renal vein, subsequent encounter
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
CODE	DESCRIPTION
S35.491S	Other specified injury of right renal artery, sequela
S35.492A	Other specified injury of left renal artery, initial encounter
S35.492D	Other specified injury of left renal artery, subsequent encounter
S35.492S	Other specified injury of left renal artery, sequela
S35.494A	Other specified injury of right renal vein, initial encounter
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
S35.495S	Other specified injury of left renal vein, sequela
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
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

CODE	DESCRIPTION
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	Injury of other iliac blood vessels, subsequent encounter
S35.59XS	Injury of other iliac blood vessels, sequela
S35.8X1A	Laceration of other blood vessels at abdomen, lower back and pelvis level, initial encounter
S35.8X1D	Laceration of other blood vessels at abdomen, lower back and pelvis level, subsequent 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 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
T81.710A	Complication of mesenteric artery following a procedure, not elsewhere classified, initial encounter
T81.710D	Complication of mesenteric artery following a procedure, not elsewhere classified, subsequent encounter
T81.710S	Complication of mesenteric artery following a procedure, not elsewhere classified, sequela
T81.711A	Complication of renal artery following a procedure, not elsewhere classified, initial encounter

CODE	DESCRIPTION
T81.711D	Complication of renal artery following a procedure, not elsewhere classified, subsequent 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
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, 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	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

CODE	DESCRIPTION
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
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, sequela
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
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
CODE	DESCRIPTION
T82.398A	Other mechanical complication of other vascular grafts, initial encounter
T82.398D	Other mechanical complication of other vascular grafts, subsequent encounter

CODE	DESCRIPTION
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	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, 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
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
T82.518A	Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter

CODE	DESCRIPTION
T82.518D	Breakdown (mechanical) of other cardiac and vascular devices and implants, subsequent 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, 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, 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

CODE	DESCRIPTION
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
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

CODE	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
CODE	DESCRIPTION
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

CODE	DESCRIPTION
T86.19	Other complication of kidney transplant
T86.41	Liver transplant rejection
T86.42	Liver transplant failure
T86.43	Liver transplant infection
T86.49	Other complications of liver transplant
T86.830	Bone graft rejection
T86.831	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	Kidney transplant status
Z94.4	Liver transplant status
Z94.82	Intestine transplant status
Z94.83	Pancreas transplant status
Z95.820	Peripheral vascular angioplasty status with implants and grafts
Z95.828	Presence of other vascular implants and grafts

Group 6 Paragraph:

Vein Mapping for Dialysis Access (93970, 93971, 93985, 93986)

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: (139 Codes)

CODE	DESCRIPTION
I80.8	Phlebitis and thrombophlebitis of other sites
I82.220	Acute embolism and thrombosis of inferior vena cava
I82.221	Chronic embolism and thrombosis of inferior vena cava
N18.30	Chronic kidney disease, stage 3 unspecified
N18.31	Chronic kidney disease, stage 3a
N18.32	Chronic kidney disease, stage 3b
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	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
T82.332A	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

CODE	DESCRIPTION
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	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, 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
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

CODE	DESCRIPTION
T82.515S	Breakdown (mechanical) of umbrella device, sequela
T82.518A	Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter
T82.518D	Breakdown (mechanical) of other cardiac and vascular devices and implants, subsequent 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, 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, sequela
T82.533A	Leakage of balloon (counterpulsation) device, initial encounter

CODE	DESCRIPTION
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
CODE	DESCRIPTION
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
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,

CODE	DESCRIPTION
	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, 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 Codes: (43 Codes)

CODE	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
I21.9	Acute myocardial infarction, unspecified
I21.A1	Myocardial infarction type 2
I21.A9	Other myocardial infarction type
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
I22.8	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

CODE	DESCRIPTION
	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

CODE	DESCRIPTION
	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 (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 Codes: (331 Codes)

CODE	DESCRIPTION
I70.0	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
I70.233	Atherosclerosis of native arteries of right leg with ulceration of ankle
I70.234	Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot
I70.235	Atherosclerosis of native arteries of right leg with ulceration of other part of foot
I70.238	Atherosclerosis of native arteries of right leg with ulceration of other part of lower 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

CODE	DESCRIPTION
I70.243	Atherosclerosis of native arteries of left leg with ulceration of ankle
I70.244	Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot
I70.245	Atherosclerosis of native arteries of left leg with ulceration of other part of foot
I70.248	Atherosclerosis of native arteries of left leg with ulceration of other part of lower leg
I70.25	Atherosclerosis of native arteries of other extremities with ulceration
I70.261	Atherosclerosis of native arteries of extremities with gangrene, right leg
I70.262	Atherosclerosis of native arteries of extremities with gangrene, left leg
I70.263	Atherosclerosis of native arteries of extremities with gangrene, bilateral legs
I70.268	Atherosclerosis of native arteries of extremities with gangrene, other extremity
I70.411	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, right leg
I70.412	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, left leg
I70.413	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, bilateral legs
I70.418	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, other extremity
I70.421	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, right leg
I70.422	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, left leg
I70.423	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, bilateral legs
I70.428	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, other extremity
I70.431	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of thigh
I70.432	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of calf
I70.433	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of ankle
I70.434	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of heel and midfoot
I70.435	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of foot

CODE	DESCRIPTION
I70.438	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
I70.443	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of ankle
I70.444	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.445	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of foot
I70.448	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
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
I70.468	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
I70.511	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
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

CODE	DESCRIPTION
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
I70.523	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, bilateral legs
I70.528	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
I70.532	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of calf
I70.533	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
I70.535	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of foot
I70.538	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
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
I70.544	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.545	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of foot
I70.548	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
I70.561	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, right leg
I70.562	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with

CODE	DESCRIPTION
	gangrene, left leg
I70.563	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, bilateral legs
I70.568	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
I70.592	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg
I70.593	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs
I70.598	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
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
I70.618	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
I70.622	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, left leg
I70.623	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, bilateral legs
I70.628	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, other extremity
I70.631	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of thigh
I70.632	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of calf
I70.633	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of ankle
I70.634	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of heel and midfoot

CODE	DESCRIPTION
I70.635	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of foot
I70.638	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.641	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of thigh
I70.642	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
CODE	DESCRIPTION
I70.644	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.645	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of foot
I70.648	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.65	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
I70.668	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, other extremity
I70.691	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg
I70.692	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
I70.693	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs
I70.698	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity
I70.711	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

CODE	DESCRIPTION
	claudication, bilateral legs
I70.718	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
I70.722	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, left leg
I70.723	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	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of thigh
I70.732	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of calf
I70.733	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of ankle
I70.734	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of heel and midfoot
I70.735	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of foot
I70.738	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
I70.743	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
I70.748	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

CODE	DESCRIPTION
I70.762	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, left leg
I70.763	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, bilateral legs
I70.768	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
I70.792	Other atherosclerosis of other type of bypass graft(s) of the extremities, left leg
I70.793	Other atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
I70.798	Other atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
I70.92	Chronic total occlusion of artery of the extremities
I72.3	Aneurysm of iliac artery
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
S85.181S	Other specified injury of posterior tibial artery, right leg, sequela
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

CODE	DESCRIPTION
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
S85.812A	Laceration of other blood vessels at lower leg level, left leg, initial encounter
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
S85.891D	Other specified injury of other blood vessels at lower leg level, right leg, subsequent encounter
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
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, 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	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

CODE	DESCRIPTION
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
CODE	DESCRIPTION
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, sequela
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
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

CODE	DESCRIPTION
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	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, 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
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

CODE	DESCRIPTION
T82.515S	Breakdown (mechanical) of umbrella device, sequela
T82.518A	Breakdown (mechanical) of other cardiac and vascular devices and implants, initial encounter
T82.518D	Breakdown (mechanical) of other cardiac and vascular devices and implants, subsequent 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, 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, sequela
T82.533A	Leakage of balloon (counterpulsation) device, initial encounter

CODE	DESCRIPTION
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
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
CODE	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,

CODE	DESCRIPTION
	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

CODE	DESCRIPTION
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: (21 Codes)

CODE	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

CODE	DESCRIPTION
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-CM Codes that DO NOT Support Medical Necessity

Group 1 Paragraph:

N/A

Group 1 Codes:

N/A

ICD-10-PCS Codes

N/A

Additional ICD-10 Information

N/A

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 article does not apply to that Bill Type. Complete absence of all Bill Types indicates that coverage is not influenced by Bill Type and the article should be assumed to apply equally to all claims.

N/A

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 article, 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 article should be assumed to apply equally to all Revenue Codes.

N/A

Other Coding Information

N/A

Revision History Information

REVISION HISTORY DATE	REVISION HISTORY NUMBER	REVISION HISTORY EXPLANATION
10/01/2022	R7	<p>Due to annual ICD-10 updates for 2023, ICD-10 the following ICD-10 codes were deleted from Group 5: I71.01, I71.1, I71.2, I71.3, I71.4, I71.5, I71.6.</p> <p>The following ICD-10 codes were added to Group 5: I71.010, I71.011, I71.012, I71.019, I71.02, I71.03, I71.10, I71.11, I71.12, I71.13, I71.20, I71.21, I71.22, I71.23, I71.30, I71.31, I71.32, I71.33, I71.40, I71.41, I71.42, I71.43, I71.50, I71.51, I71.52, I71.60, I71.61, I71.62, I77.82, J95.87.</p>
02/25/2021	R6	<p>Due to the clinical findings and challenges presented by patients with COVID-19 the following diagnosis code has been added to ICD-10 Codes that Support Medical Necessity Group 4: R79.89. The need for this diagnosis will be re-evaluated when COVID-19 illness is no longer a concern in the Medicare population.</p>
10/01/2020	R5	<p>Based on the annual ICD-10 updates for 2021, K74.0 and R74.0 were deleted from ICD-10 Codes that Support Medical Necessity, Group 5 and replaced by K74.00, K74.01, K74.02, R74.01 and R74.02.</p> <p>N18.3 was deleted from ICD-10 Codes that Support Medical Necessity, Group 6 and replaced by N18.30, N18.31, and N18.32.</p> <p>The following codes were added to ICD-10 Codes that Support Medical Necessity, Group 2: D57.03, D57.09, D57.413, D57.418, D57.42, D57.431, D57.432, D57.433, D57.438, D57.439, D57.44, D57.451, D57.452, D57.453, D57.458 and D57.459.</p> <p>D57.411 and D57.412 descriptors were changed in ICD-10 Codes that Support Medical Necessity, Group 2.</p>
03/01/2020	R4	<p>Due to the clinical findings and challenges presented by patients with COVID-19 the following diagnosis codes have been added to ICD-10 Codes that Support Medical Necessity Group 4: J96.00, J96.01, J96.02, J96.10, J96.11, J96.12, J96.20, J96.21, J96.22 and R79.1. The need for these diagnoses will be re-evaluated when COVID-19 illness is no longer a concern in the Medicare population.</p>

REVISION HISTORY DATE	REVISION HISTORY NUMBER	REVISION HISTORY EXPLANATION
01/01/2020	R3	Due to annual CPT/HCPC Updates, CPT code G0365 has been deleted from "CPT/HCPCS Codes" section Group 6 and the following new codes were added: 93985 and 93986.
10/01/2019	R2	The following codes were omitted from the previous revision and are now being added to ICD-10 Codes that Support Medical Necessity- Group 4: I82.451, I82.452, I82.453, I82.461, I82.462, I82.463, I82.551, I82.552, I82.553, I82.561, I82.562, I82.563.
10/01/2019	R1	<p>Due to the annual ICD-10-CM update, the following ICD-10 Codes that Support Medical Necessity were added to Group 4: I80.241, I80.242, I80.243, I80.251, I80.252, I80.253.</p> <p>The following ICD-10 codes that Support Medical Necessity descriptions were revised in Groups 3 and 8: I70.238, I70.248.</p> <p>This article was converted to the new Billing and Coding Article format.</p> <p>Bill types and Revenue codes have been removed from this article. Guidance on these codes is available in the Bill type and Revenue code sections.</p>

Associated Documents

Related Local Coverage Documents

LCDs

[L33627 - Non-Invasive Vascular Studies](#)

Related National Coverage Documents

N/A

Statutory Requirements URLs

N/A

Rules and Regulations URLs

N/A

CMS Manual Explanations URLs

N/A

Other URLs

N/A

Public Versions

UPDATED ON	EFFECTIVE DATES	STATUS
09/21/2022	10/01/2022 - N/A	Currently in Effect (This Version)
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Keywords

N/A