

CMS Limitations Guide - Radiology Services

Starting October 1, 2015, CMS will update their existing medical necessity limitations on tests and procedures to correspond to ICD-10 codes. This limitations guide provides you with the latest changes.

This guide is not an all-inclusive list of National Coverage Documents (NCD) and Local Coverage Documents (LCD). You can search by LCD or NCD or keyword and region on the CMS website at: <https://www.cms.gov/medicare-coverage-database/overview-and-quick-search.aspx?clickon=search>.

CMS will deny payment if the correct diagnosis codes are not entered on the order form, and your patient's test or procedure will not be covered. We compiled this information in one location to make it easier for you to find the proper codes for medically necessary diagnoses.

It is the responsibility of the provider to code to the highest level specified in the ICD-10-CM. The correct use of an ICD-10-CM code listed below does not assure coverage of a service. The service must be reasonable and necessary in the specific case and must meet the criteria specified in this determination.

We will continue to update this list as new CMS limitations are announced. You can always find the most current list at: www.munsonhealthcare.org/medicalnecessity.

If you have any questions, please contact Kari Smith, Office Coordinator, at **(231) 935-2296**, or Karen Popa, Director, Patient Access Services, at **(231) 935-7493**.

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(L35751) Non-Invasive Peripheral Venous Vascular and Hemodialysis Access Studies

USV CALF REFLUX STUDY BILATERAL (93965)

USV DIALYSIS GRAFT (93990)

USV HEMODIALYSIS (93990)

USV LOWER EXTREMITY VEIN BILATERAL (93970)

USV LOWER EXTREMITY VEIN RIGHT OR LEFT (93971)

USV UPPER EXTREMITY VEIN BILATERAL (93970)

USV UPPER EXTREMITY VEIN RIGHT OR LEFT (93971)

| CPT Code | Description |
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| 93965 | Noninvasive physiologic studies of extremity veins, complete bilateral study (eg, Doppler Waveform analysis with responses to compression and other maneuvers, Phleborheography, Impedance Plethysmography) (USV Calf Reflux Study Bilateral) |
| 93970 | Duplex scan of extremity veins including responses to compression and other maneuvers; complete bilateral study (USV Lower Ext Vein Bilat) (USV Upper Ext Vein Bilat) |
| 93971 | Duplex scan of extremity veins including responses to compression and other maneuvers; unilateral or limited study (USV Lower Ext Vein RT or LT) (USV Upper Ext Vein RT or LT) |
| 93990 | Duplex scan of hemodialysis access (including arterial inflow, body of access and venous outflow) (USV Dialysis Graft) (USV Hemodialysis) |
| G0365 | Vessel mapping of vessels for hemodialysis access (services for preoperative vessel mapping prior to creation of hemodialysis access using an autogenous hemodialysis conduit, including arterial inflow and venous outflow) |

ICD-10 Codes That Support Medical Necessity and Covered by Medicare Program:

Group 1 Paragraph: Peripheral Venous Examinations (93965, 93970, and 93971)

Group 1 Codes:

| Code | Description |
|--------|-------------------------------------------------------------|
| D68.51 | Activated protein C resistance |
| D68.52 | Prothrombin gene mutation |
| D68.59 | Other primary thrombophilia |
| D68.61 | Antiphospholipid syndrome |
| D68.62 | Lupus anticoagulant syndrome |
| D68.69 | Other thrombophilia |
| D75.81 | Myelofibrosis |
| D75.82 | Heparin induced thrombocytopenia (HIT) |
| D75.89 | Other specified diseases of blood and blood-forming organs |
| 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 |

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| 126.92 | Saddle embolus of pulmonary artery without acute cor pulmonale |
| 126.99 | Other pulmonary embolism without acute cor pulmonale |
| 127.82 | Chronic pulmonary embolism |
| 180.01 | Phlebitis and thrombophlebitis of superficial vessels of right lower extremity |
| 180.02 | Phlebitis and thrombophlebitis of superficial vessels of left lower extremity |
| 180.03 | Phlebitis and thrombophlebitis of superficial vessels of lower extremities, bilateral |
| 180.11 | Phlebitis and thrombophlebitis of right femoral vein |
| 180.12 | Phlebitis and thrombophlebitis of left femoral vein |
| 180.13 | Phlebitis and thrombophlebitis of femoral vein, bilateral |
| 180.211 | Phlebitis and thrombophlebitis of right iliac vein |
| 180.212 | Phlebitis and thrombophlebitis of left iliac vein |
| 180.213 | Phlebitis and thrombophlebitis of iliac vein, bilateral |
| 180.221 | Phlebitis and thrombophlebitis of right popliteal vein |
| 180.222 | Phlebitis and thrombophlebitis of left popliteal vein |
| 180.223 | Phlebitis and thrombophlebitis of popliteal vein, bilateral |
| 180.231 | Phlebitis and thrombophlebitis of right tibial vein |
| 180.232 | Phlebitis and thrombophlebitis of left tibial vein |
| 180.233 | Phlebitis and thrombophlebitis of tibial vein, bilateral |
| 180.291 | Phlebitis and thrombophlebitis of other deep vessels of right lower extremity |
| 180.292 | Phlebitis and thrombophlebitis of other deep vessels of left lower extremity |
| 180.293 | Phlebitis and thrombophlebitis of other deep vessels of lower extremity, bilateral |
| 180.8 | Phlebitis and thrombophlebitis of other sites |
| 182.1 | Thrombophlebitis migrans |
| 182.210 | Acute embolism and thrombosis of superior vena cava |
| 182.211 | Chronic embolism and thrombosis of superior vena cava |
| 182.290 | Acute embolism and thrombosis of other thoracic veins |
| 182.291 | Chronic embolism and thrombosis of other thoracic veins |
| 182.411 | Acute embolism and thrombosis of right femoral vein |
| 182.412 | Acute embolism and thrombosis of left femoral vein |
| 182.413 | Acute embolism and thrombosis of femoral vein, bilateral |
| 182.421 | Acute embolism and thrombosis of right iliac vein |
| 182.422 | Acute embolism and thrombosis of left iliac vein |
| 182.423 | Acute embolism and thrombosis of iliac vein, bilateral |
| 182.431 | Acute embolism and thrombosis of right popliteal vein |
| 182.432 | Acute embolism and thrombosis of left popliteal vein |
| 182.433 | Acute embolism and thrombosis of popliteal vein, bilateral |
| 182.441 | Acute embolism and thrombosis of right tibial vein |

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| 182.442 | Acute embolism and thrombosis of left tibial vein |
| 182.443 | Acute embolism and thrombosis of tibial vein, bilateral |
| 182.491 | Acute embolism and thrombosis of other specified deep vein of right lower extremity |
| 182.492 | Acute embolism and thrombosis of other specified deep vein of left lower extremity |
| 182.493 | Acute embolism and thrombosis of other specified deep vein of lower extremity, bilateral |
| 182.511 | Chronic embolism and thrombosis of right femoral vein |
| 182.512 | Chronic embolism and thrombosis of left femoral vein |
| 182.513 | Chronic embolism and thrombosis of femoral vein, bilateral |
| 182.521 | Chronic embolism and thrombosis of right iliac vein |
| 182.522 | Chronic embolism and thrombosis of left iliac vein |
| 182.523 | Chronic embolism and thrombosis of iliac vein, bilateral |
| 182.531 | Chronic embolism and thrombosis of right popliteal vein |
| 182.532 | Chronic embolism and thrombosis of left popliteal vein |
| 182.533 | Chronic embolism and thrombosis of popliteal vein, bilateral |
| 182.541 | Chronic embolism and thrombosis of right tibial vein |
| 182.542 | Chronic embolism and thrombosis of left tibial vein |
| 182.543 | Chronic embolism and thrombosis of tibial vein, bilateral |
| 182.591 | Chronic embolism and thrombosis of other specified deep vein of right lower extremity |
| 182.592 | Chronic embolism and thrombosis of other specified deep vein of left lower extremity |
| 182.593 | Chronic embolism and thrombosis of other specified deep vein of lower extremity, bilateral |
| 182.611 | Acute embolism and thrombosis of superficial veins of right upper extremity |
| 182.612 | Acute embolism and thrombosis of superficial veins of left upper extremity |
| 182.613 | Acute embolism and thrombosis of superficial veins of upper extremity, bilateral |
| 182.621 | Acute embolism and thrombosis of deep veins of right upper extremity |
| 182.622 | Acute embolism and thrombosis of deep veins of left upper extremity |
| 182.623 | Acute embolism and thrombosis of deep veins of upper extremity, bilateral |
| 182.711 | Chronic embolism and thrombosis of superficial veins of right upper extremity |
| 182.712 | Chronic embolism and thrombosis of superficial veins of left upper extremity |
| 182.713 | Chronic embolism and thrombosis of superficial veins of upper extremity, bilateral |
| 182.721 | Chronic embolism and thrombosis of deep veins of right upper extremity |
| 182.722 | Chronic embolism and thrombosis of deep veins of left upper extremity |
| 182.723 | Chronic embolism and thrombosis of deep veins of upper extremity, bilateral |
| 182.A11 | Acute embolism and thrombosis of right axillary vein |
| 182.A12 | Acute embolism and thrombosis of left axillary vein |
| 182.A13 | Acute embolism and thrombosis of axillary vein, bilateral |
| 182.A21 | Chronic embolism and thrombosis of right axillary vein |
| 182.A22 | Chronic embolism and thrombosis of left axillary vein |

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| 182.A23 | Chronic embolism and thrombosis of axillary vein, bilateral |
| 182.B11 | Acute embolism and thrombosis of right subclavian vein |
| 182.B12 | Acute embolism and thrombosis of left subclavian vein |
| 182.B13 | Acute embolism and thrombosis of subclavian vein, bilateral |
| 182.B21 | Chronic embolism and thrombosis of right subclavian vein |
| 182.B22 | Chronic embolism and thrombosis of left subclavian vein |
| 182.B23 | Chronic embolism and thrombosis of subclavian vein, bilateral |
| 182.C11 | Acute embolism and thrombosis of right internal jugular vein |
| 182.C12 | Acute embolism and thrombosis of left internal jugular vein |
| 182.C13 | Acute embolism and thrombosis of internal jugular vein, bilateral |
| 182.C21 | Chronic embolism and thrombosis of right internal jugular vein |
| 182.C22 | Chronic embolism and thrombosis of left internal jugular vein |
| 182.C23 | Chronic embolism and thrombosis of internal jugular vein, bilateral |
| 182.811 | Embolism and thrombosis of superficial veins of right lower extremities |
| 182.812 | Embolism and thrombosis of superficial veins of left lower extremities |
| 182.813 | Embolism and thrombosis of superficial veins of lower extremities, bilateral |
| 182.890 | Acute embolism and thrombosis of other specified veins |
| 182.891 | Chronic embolism and thrombosis of other specified veins |
| 183.011 | Varicose veins of right lower extremity with ulcer of thigh |
| 183.012 | Varicose veins of right lower extremity with ulcer of calf |
| 183.013 | Varicose veins of right lower extremity with ulcer of ankle |
| 183.014 | Varicose veins of right lower extremity with ulcer of heel and midfoot |
| 183.015 | Varicose veins of right lower extremity with ulcer other part of foot |
| 183.018 | Varicose veins of right lower extremity with ulcer other part of lower leg |
| 183.021 | Varicose veins of left lower extremity with ulcer of thigh |
| 183.022 | Varicose veins of left lower extremity with ulcer of calf |
| 183.023 | Varicose veins of left lower extremity with ulcer of ankle |
| 183.024 | Varicose veins of left lower extremity with ulcer of heel and midfoot |
| 183.025 | Varicose veins of left lower extremity with ulcer other part of foot |
| 183.028 | Varicose veins of left lower extremity with ulcer other part of lower leg |
| 183.11 | Varicose veins of right lower extremity with inflammation |
| 183.12 | Varicose veins of left lower extremity with inflammation |
| 183.211 | Varicose veins of right lower extremity with both ulcer of thigh and inflammation |
| 183.212 | Varicose veins of right lower extremity with both ulcer of calf and inflammation |
| 183.213 | Varicose veins of right lower extremity with both ulcer of ankle and inflammation |
| 183.214 | Varicose veins of right lower extremity with both ulcer of heel and midfoot and inflammation |
| 183.215 | Varicose veins of right lower extremity with both ulcer other part of foot and inflammation |

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| 183.218 | Varicose veins of right lower extremity with both ulcer of other part of lower extremity and inflammation |
| 183.221 | Varicose veins of left lower extremity with both ulcer of thigh and inflammation |
| 183.222 | Varicose veins of left lower extremity with both ulcer of calf and inflammation |
| 183.223 | Varicose veins of left lower extremity with both ulcer of ankle and inflammation |
| 183.224 | Varicose veins of left lower extremity with both ulcer of heel and midfoot and inflammation |
| 183.225 | Varicose veins of left lower extremity with both ulcer other part of foot and inflammation |
| 183.228 | Varicose veins of left lower extremity with both ulcer of other part of lower extremity and inflammation |
| 183.811 | Varicose veins of right lower extremities with pain |
| 183.812 | Varicose veins of left lower extremities with pain |
| 183.813 | Varicose veins of bilateral lower extremities with pain |
| 183.891 | Varicose veins of right lower extremities with other complications |
| 183.892 | Varicose veins of left lower extremities with other complications |
| 183.893 | Varicose veins of bilateral lower extremities with other complications |
| 183.91 | Asymptomatic varicose veins of right lower extremity |
| 183.92 | Asymptomatic varicose veins of left lower extremity |
| 183.93 | Asymptomatic varicose veins of bilateral lower extremities |
| 187.001 | Postthrombotic syndrome without complications of right lower extremity |
| 187.002 | Postthrombotic syndrome without complications of left lower extremity |
| 187.003 | Postthrombotic syndrome without complications of bilateral lower extremity |
| 187.011 | Postthrombotic syndrome with ulcer of right lower extremity |
| 187.012 | Postthrombotic syndrome with ulcer of left lower extremity |
| 187.013 | Postthrombotic syndrome with ulcer of bilateral lower extremity |
| 187.021 | Postthrombotic syndrome with inflammation of right lower extremity |
| 187.022 | Postthrombotic syndrome with inflammation of left lower extremity |
| 187.023 | Postthrombotic syndrome with inflammation of bilateral lower extremity |
| 187.031 | Postthrombotic syndrome with ulcer and inflammation of right lower extremity |
| 187.032 | Postthrombotic syndrome with ulcer and inflammation of left lower extremity |
| 187.033 | Postthrombotic syndrome with ulcer and inflammation of bilateral lower extremity |
| 187.091 | Postthrombotic syndrome with other complications of right lower extremity |
| 187.092 | Postthrombotic syndrome with other complications of left lower extremity |
| 187.093 | Postthrombotic syndrome with other complications of bilateral lower extremity |
| 187.1 | Compression of vein |
| 187.2 | Venous insufficiency (chronic) (peripheral) |
| 187.301 | Chronic venous hypertension (idiopathic) without complications of right lower extremity |
| 187.302 | Chronic venous hypertension (idiopathic) without complications of left lower extremity |
| 187.303 | Chronic venous hypertension (idiopathic) without complications of bilateral lower extremity |

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| 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 |
| 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 |
| I87.8 | Other specified disorders of veins |
| I96 | Gangrene, not elsewhere classified |
| I97.410 | Intraoperative hemorrhage and hematoma of a circulatory system organ or structure complicating a cardiac catheterization |
| I97.411 | Intraoperative hemorrhage and hematoma of a circulatory system organ or structure complicating a cardiac bypass |
| I97.418 | Intraoperative hemorrhage and hematoma of a circulatory system organ or structure complicating other circulatory system procedure |
| I97.42 | Intraoperative hemorrhage and hematoma of a circulatory system organ or structure complicating other procedure |
| 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 |
| I97.610 | Postprocedural hemorrhage and hematoma of a circulatory system organ or structure following a cardiac catheterization |
| I97.611 | Postprocedural hemorrhage and hematoma of a circulatory system organ or structure following cardiac bypass |
| I97.618 | Postprocedural hemorrhage and hematoma of a circulatory system organ or structure following other circulatory system procedure |
| I97.62 | Postprocedural hemorrhage and hematoma of a circulatory system organ or structure following other procedure |
| J96.01 | Acute respiratory failure with hypoxia |
| J96.02 | Acute respiratory failure with hypercapnia |
| L76.01 | Intraoperative hemorrhage and hematoma of skin and subcutaneous tissue complicating a dermatologic procedure |
| L76.02 | Intraoperative hemorrhage and hematoma of skin and subcutaneous tissue complicating other procedure |
| L76.11 | Accidental puncture and laceration of skin and subcutaneous tissue during a dermatologic procedure |
| L76.12 | Accidental puncture and laceration of skin and subcutaneous tissue during other procedure |
| L76.21 | Postprocedural hemorrhage and hematoma of skin and subcutaneous tissue following a dermatologic procedure |
| L76.22 | Postprocedural hemorrhage and hematoma of skin and subcutaneous tissue following other |

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| 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 |
| L97.121 | 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 |
| L97.211 | 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 |
| L97.221 | 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 |
| L97.311 | 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 |
| L97.321 | 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 |
| L97.411 | Non-pressure chronic ulcer of right heel and midfoot limited to breakdown of skin |
| L97.412 | Non-pressure chronic ulcer of right heel and midfoot with fat layer exposed |
| L97.413 | Non-pressure chronic ulcer of right heel and midfoot with necrosis of muscle |
| L97.414 | Non-pressure chronic ulcer of right heel and midfoot with necrosis of bone |
| L97.421 | 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 |
| L97.511 | 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 |

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| 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 |
| L97.811 | 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 |
| L97.821 | 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 |
| M79.601 | Pain in right arm |
| M79.602 | Pain in left arm |
| M79.604 | Pain in right leg |
| M79.605 | Pain in left leg |
| M79.621 | Pain in right upper arm |
| M79.622 | 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 |
| M79.651 | 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 |
| 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 |
| M96.820 | 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 |
| M96.830 | Postprocedural hemorrhage and hematoma of a musculoskeletal structure following a musculoskeletal system procedure |
| M96.831 | Postprocedural hemorrhage and hematoma of a musculoskeletal structure following other procedure |
| O22.01 | Varicose veins of lower extremity in pregnancy, first trimester |

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| O22.02 | Varicose veins of lower extremity in pregnancy, second trimester |
| O22.03 | Varicose veins of lower extremity in pregnancy, third trimester |
| O22.11 | Genital varices in pregnancy, first trimester |
| O22.12 | Genital varices in pregnancy, second trimester |
| O22.13 | Genital varices in pregnancy, third trimester |
| 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 |
| O87.4 | Varicose veins of lower extremity in the puerperium |
| Q27.31 | Arteriovenous malformation of vessel of upper limb |
| Q27.32 | Arteriovenous malformation of vessel of lower limb |
| Q27.39 | Arteriovenous malformation, other site |
| Q27.8 | Other specified congenital malformations of peripheral vascular system |
| R04.2 | Hemoptysis |
| R04.89 | Hemorrhage from other sites in respiratory passages |
| R06.02 | Shortness of breath |
| R07.1 | Chest pain on breathing |
| R07.89 | Other chest pain |
| R09.02 | Hypoxemia |
| 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 |
| S35.514D | Injury of right iliac vein, subsequent encounter |
| S35.515D | Injury of left iliac vein, subsequent encounter |
| S35.59XD | Injury of other iliac blood vessels, subsequent encounter |
| S45.211A | Laceration of axillary or brachial vein, right side, initial encounter |
| S45.211D | Laceration of axillary or brachial vein, right side, subsequent encounter |
| S45.212A | Laceration of axillary or brachial vein, left side, initial encounter |

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| S45.212D | Laceration of axillary or brachial vein, left side, subsequent encounter |
| 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 |
| S45.292A | 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 |
| S45.311A | 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 |
| S45.312A | 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 |
| S45.391A | 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 |
| S45.392A | Other specified injury of superficial vein at shoulder and upper arm level, left arm, initial encounter |
| S45.392D | Other specified injury of superficial vein at shoulder and upper arm level, left arm, subsequent encounter |
| S55.211A | Laceration of vein at forearm level, right arm, initial encounter |
| S55.211D | Laceration of vein at forearm level, right arm, subsequent encounter |
| S55.212A | Laceration of vein at forearm level, left arm, initial encounter |
| S55.212D | Laceration of vein at forearm level, left arm, subsequent encounter |
| 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 |
| S55.292A | 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 |
| 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 |
| S75.112A | 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 |
| S75.121A | 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 |
| S75.122A | 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 |
| S75.191A | 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 |
| S75.192A | Other specified injury of femoral vein at hip and thigh level, left leg, initial encounter |
| S75.192D | Other specified injury of femoral vein at hip and thigh level, left leg, subsequent encounter |
| S75.211A | 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 |

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| 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 |
| S75.221A | 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 |
| S75.222A | 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 |
| S75.291A | 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 |
| S75.292A | 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 |
| 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 |
| S85.312A | 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 |
| S85.391A | 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 |
| S85.392A | 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 |
| S85.411A | 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 |
| S85.412A | 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 |
| S85.491A | 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 |
| S85.492A | 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 |
| S85.511A | Laceration of popliteal vein, right leg, initial encounter |
| S85.511D | Laceration of popliteal vein, right leg, subsequent encounter |
| S85.512A | Laceration of popliteal vein, left leg, initial encounter |
| S85.512D | Laceration of popliteal vein, left leg, subsequent encounter |
| S85.591A | Other specified injury of popliteal vein, right leg, initial encounter |
| S85.591D | Other specified injury of popliteal vein, right leg, subsequent encounter |
| S85.592A | Other specified injury of popliteal vein, left leg, initial encounter |
| S85.592D | Other specified injury of popliteal vein, left leg, subsequent encounter |
| S95.211A | Laceration of dorsal vein of right foot, initial encounter |

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| S95.211D | Laceration of dorsal vein of right foot, subsequent encounter |
| S95.212A | Laceration of dorsal vein of left foot, initial encounter |
| S95.212D | Laceration of dorsal vein of left foot, subsequent encounter |
| 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 |
| S95.292A | Other specified injury of dorsal vein of left foot, initial encounter |
| S95.292D | Other specified injury of dorsal vein of left foot, subsequent encounter |
| T38.4X5D | Adverse effect of oral contraceptives, subsequent encounter |
| T38.5X5D | Adverse effect of other estrogens and progestogens, subsequent encounter |
| T45.7X5D | Adverse effect of anticoagulant antagonists, vitamin K and other coagulants, subsequent encounter |
| T79.0XXD | Air embolism (traumatic), subsequent encounter |
| T79.1XXD | Fat embolism (traumatic), subsequent encounter |
| T79.A11D | Traumatic compartment syndrome of right upper extremity, subsequent encounter |
| T79.A12D | Traumatic compartment syndrome of left upper extremity, subsequent encounter |
| T79.A21D | Traumatic compartment syndrome of right lower extremity, subsequent encounter |
| T79.A22D | Traumatic compartment syndrome of left lower extremity, subsequent encounter |
| T79.A3XD | Traumatic compartment syndrome of abdomen, subsequent encounter |
| T79.A9XD | Traumatic compartment syndrome of other sites, subsequent encounter |
| T80.0XXA | Air embolism following infusion, transfusion and therapeutic injection, initial encounter |
| T80.0XXD | Air embolism following infusion, transfusion and therapeutic injection, subsequent encounter |
| T80.1XXA | Vascular complications following infusion, transfusion and therapeutic injection, initial encounter |
| T80.1XXD | Vascular complications following infusion, transfusion and therapeutic injection, subsequent encounter |
| T80.810D | Extravasation of vesicant antineoplastic chemotherapy, subsequent encounter |
| T80.818D | Extravasation of other vesicant agent, subsequent encounter |
| T80.89XD | Other complications following infusion, transfusion and therapeutic injection, subsequent encounter |
| T81.31XD | Disruption of external operation (surgical) wound, not elsewhere classified, subsequent encounter |
| T81.32XD | Disruption of internal operation (surgical) wound, not elsewhere classified, subsequent encounter |
| T81.33XD | Disruption of traumatic injury wound repair, subsequent encounter |
| T81.4XXD | Infection following a procedure, subsequent encounter |
| T82.318A | Breakdown (mechanical) of other vascular grafts, initial encounter |
| T82.318D | Breakdown (mechanical) of other vascular grafts, subsequent encounter |
| T82.328A | Displacement of other vascular grafts, initial encounter |
| T82.328D | Displacement of other vascular grafts, subsequent encounter |
| T82.338A | Leakage of other vascular grafts, initial encounter |
| T82.338D | Leakage of other vascular grafts, subsequent encounter |

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| T82.398A | Other mechanical complication of other vascular grafts, initial encounter |
| T82.398D | Other mechanical complication of other vascular grafts, subsequent encounter |
| T82.41XA | Breakdown (mechanical) of vascular dialysis catheter, initial encounter |
| T82.41XD | Breakdown (mechanical) of vascular dialysis catheter, subsequent encounter |
| T82.42XA | Displacement of vascular dialysis catheter, initial encounter |
| T82.42XD | Displacement of vascular dialysis catheter, subsequent encounter |
| T82.43XA | Leakage of vascular dialysis catheter, initial encounter |
| T82.43XD | Leakage of vascular dialysis catheter, subsequent encounter |
| T82.49XA | Other complication of vascular dialysis catheter, initial encounter |
| T82.49XD | Other complication of vascular dialysis catheter, subsequent encounter |
| T82.510A | Breakdown (mechanical) of surgically created arteriovenous fistula, initial encounter |
| T82.510D | Breakdown (mechanical) of surgically created arteriovenous fistula, subsequent encounter |
| T82.511A | Breakdown (mechanical) of surgically created arteriovenous shunt, initial encounter |
| T82.511D | Breakdown (mechanical) of surgically created arteriovenous shunt, subsequent encounter |
| T82.520A | Displacement of surgically created arteriovenous fistula, initial encounter |
| T82.520D | Displacement of surgically created arteriovenous fistula, subsequent encounter |
| T82.521A | Displacement of surgically created arteriovenous shunt, initial encounter |
| T82.521D | Displacement of surgically created arteriovenous shunt, subsequent encounter |
| T82.523A | Displacement of balloon (counterpulsation) device, initial encounter |
| T82.523D | Displacement of balloon (counterpulsation) device, subsequent encounter |
| T82.524A | Displacement of infusion catheter, initial encounter |
| T82.524D | Displacement of infusion catheter, subsequent encounter |
| T82.525A | Displacement of umbrella device, initial encounter |
| T82.525D | Displacement of umbrella device, subsequent encounter |
| 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 |
| T82.530A | Leakage of surgically created arteriovenous fistula, initial encounter |
| T82.530D | Leakage of surgically created arteriovenous fistula, subsequent encounter |
| T82.531A | Leakage of surgically created arteriovenous shunt, initial encounter |
| T82.531D | Leakage of surgically created arteriovenous shunt, subsequent encounter |
| T82.817A | Embolism of cardiac prosthetic devices, implants and grafts, initial encounter |
| T82.817D | Embolism of cardiac prosthetic devices, implants and grafts, subsequent encounter |
| T82.818A | Embolism of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.818D | Embolism of vascular prosthetic devices, implants and grafts, subsequent encounter |
| T82.858A | Stenosis of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.858D | Stenosis of vascular prosthetic devices, implants and grafts, subsequent encounter |
| T82.867D | Thrombosis of cardiac prosthetic devices, implants and grafts, subsequent encounter |

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| T82.868A | Thrombosis of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.868D | Thrombosis of vascular prosthetic devices, implants and grafts, subsequent encounter |
| T85.81XD | Embolism due to internal prosthetic devices, implants and grafts, not elsewhere classified, subsequent encounter |
| T85.86XD | Thrombosis due to internal prosthetic devices, implants and grafts, not elsewhere classified, subsequent encounter |
| Z01.818 | Encounter for other preprocedural examination |
| Z86.711 | Personal history of pulmonary embolism |
| Z86.718 | Personal history of other venous thrombosis and embolism |
| Z86.72 | Personal history of thrombophlebitis |
| Z86.74 | Personal history of sudden cardiac arrest |

Group 2 Paragraph: Hemodialysis Access Examination (93990)

For codes in the table below that require a 7th character, letter A initial encounter, D subsequent encounter or S sequela may be used.

Group 2 Codes:

| Code | Description |
|----------|-----------------------------------------------------------------------------------------------------------------------|
| I77.0 | Arteriovenous fistula, acquired |
| N18.6 | End stage renal disease |
| T82.41XA | Breakdown (mechanical) of vascular dialysis catheter, initial encounter |
| T82.42XA | Displacement of vascular dialysis catheter, initial encounter |
| T82.43XA | Leakage of vascular dialysis catheter, initial encounter |
| T82.49XA | Other complication of vascular dialysis catheter, initial encounter |
| T82.510A | Breakdown (mechanical) of surgically created arteriovenous fistula, initial encounter |
| T82.520A | Displacement of surgically created arteriovenous fistula, initial encounter |
| T82.530A | Leakage of surgically created arteriovenous fistula, initial encounter |
| T82.590A | Other mechanical complication of surgically created arteriovenous fistula, initial encounter |
| T82.7XXA | Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, initial encounter |
| T82.818A | Embolism of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.828A | Fibrosis of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.838A | Hemorrhage of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.848A | Pain from vascular prosthetic devices, implants and grafts, initial encounter |
| T82.858A | Stenosis of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.868A | Thrombosis of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.898A | Other specified complication of vascular prosthetic devices, implants and grafts, initial encounter |
| Z99.2 | Dependence on renal dialysis |

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Group 3 Paragraph: Vessel Mapping for Vessels for Hemodialysis Access (G0365)

Pre-operative examination for potential harvest vein grafts or pre-operative examination of vessel prior to hemodialysis access surgery Z01.818.

For codes in the table below that require a 7th character, letter A initial encounter, D subsequent encounter or S sequela may be used.

Group 3 Codes:

| Code | Description |
|----------|-----------------------------------------------------------------------------------------------------------------------|
| I74.2 | Embolism and thrombosis of arteries of the upper extremities |
| N18.4 | Chronic kidney disease, stage 4 (severe) |
| N18.5 | Chronic kidney disease, stage 5 |
| N18.6 | End stage renal disease |
| T82.42XA | Displacement of vascular dialysis catheter, initial encounter |
| T82.43XA | Leakage of vascular dialysis catheter, initial encounter |
| T82.49XA | Other complication of vascular dialysis catheter, initial encounter |
| T82.510A | Breakdown (mechanical) of surgically created arteriovenous fistula, initial encounter |
| T82.511A | Breakdown (mechanical) of surgically created arteriovenous shunt, initial encounter |
| T82.520A | Displacement of surgically created arteriovenous fistula, initial encounter |
| T82.530A | Leakage of surgically created arteriovenous fistula, initial encounter |
| T82.590A | Other mechanical complication of surgically created arteriovenous fistula, initial encounter |
| T82.7XXA | Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, initial encounter |
| T82.818A | Embolism of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.828A | Fibrosis of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.838A | Hemorrhage of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.848A | Pain from vascular prosthetic devices, implants and grafts, initial encounter |
| T82.858A | Stenosis of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.868A | Thrombosis of vascular prosthetic devices, implants and grafts, initial encounter |
| T82.898A | Other specified complication of vascular prosthetic devices, implants and grafts, initial encounter |
| Z01.818 | Encounter for other preprocedural examination |