

# Lower Extremity Endovascular Procedures

Policy Number: RADIOLOGY 040.10  
Effective Date: January 1, 2023

[Instructions for Use](#)

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| Related Policies  |
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| <ul style="list-style-type: none"> <li><a href="#">Pneumatic Compression Devices</a></li> <li><a href="#">Surgical and Ablative Procedures for Venous Insufficiency and Varicose Veins</a></li> </ul> |

## Coverage Rationale

Note: This policy does not apply to upper extremities.

Endovascular revascularization procedures (e.g., stents, angioplasty and/or atherectomy) are proven and medically necessary for treating non-limb-threatening lower extremity ischemia in individuals with Claudication due to atherosclerotic disease of the aortoiliac and/or femoropopliteal arteries when all of the following criteria are met:

- Impaired ability to work and/or perform activities of daily living (ADL); and
- All of the following conservative therapies have been tried and failed:
  - At least twelve (12) weeks of a [Supervised](#) or [Structured](#) Exercise Program; and
  - Pharmacologic therapy; and
  - Smoking cessation, if applicable
 and
- Moderate to severe ischemic peripheral artery disease with Ankle-Brachial Index (ABI)  $\leq 0.69$ ; and
- Imaging results show anatomic location and severity of occlusion (stenosis  $\geq 50\%$ ) (e.g., duplex ultrasound, CTA, MRA or invasive angiography). If duplex ultrasound does not demonstrate a stenosis  $\geq 50\%$ , another imaging modality will be necessary to demonstrate the extent of stenosis.

Endovascular revascularization procedures (e.g., stents, angioplasty and/or atherectomy) are proven and medically necessary for treating chronic limb threatening ischemia (CLTI) with the diagnoses listed under [Applicable Codes](#).

Due to insufficient evidence of efficacy, endovascular revascularization procedures (e.g., stents, angioplasty and/or atherectomy) for treating lower extremity ischemia are unproven and not medically necessary in the following circumstances:

- Claudication due to isolated infrapopliteal (e.g., anterior tibial, posterior tibial or peroneal) artery disease
- To prevent the progression of Claudication to critical limb ischemia
- Individual is asymptomatic
- Treatment of a nonviable limb

# Documentation Requirements

Benefit coverage for health services is determined by the member specific benefit plan document and applicable laws that may require coverage for a specific service. The documentation requirements outlined below are used to assess whether the member meets the clinical criteria for coverage but do not guarantee coverage of the service requested.

| CPT Codes*                                     | Required Clinical Information  |
|--|--|
| <b>Lower Extremity Endovascular Procedures</b> |  |
| 37220  | Medical notes documenting the following, when applicable: <ul style="list-style-type: none"><li>• Diagnosis</li><li>• Relevant history and physical to include member symptoms and pertinent findings due ischemia</li><li>• Treatments tried, failed, and/or contraindicated, including structured exercise program, pharmacologic therapy, and smoking cessation, if applicable</li><li>• Details of functional disability(ies) interfering with work or activities of daily living (ADLs)</li><li>• Documentation of ischemic peripheral artery disease including Ankle-Brachial Index (ABI)</li><li>• Diagnostic images [e.g., duplex ultrasound, computed tomography angiography (CTA), magnetic resonance angiography (MRA), or invasive angiography] documenting the location and severity of occlusion</li></ul> |
| 37221  |  |
| 37224  |  |
| 37225  |  |
| 37226  |  |
| 37227  |  |
| 37228  |  |
| 37229  |  |
| 37230  |  |
| 37231  |  |

\*For code descriptions, refer to the [Applicable Codes](#) section.

## Definitions

**Ankle-Brachial Index (ABI):** The ABI compares the systolic blood pressure in the ankle to the systolic blood pressure in the arm and indicates how well blood is flowing in the limbs (Gerhard-Herman et al., 2017). Studies have shown that ABI can differentiate between normal and diseased limbs with a sensitivity of 97% and a specificity of 100% and that the resting ABI is a significant predictor of disease severity (Mohler, 2003). An ABI less than 0.90 indicates peripheral artery disease (PAD).

- Mild: 0.70-0.89
- Moderate: 0.40-0.69
- Severe: less than 0.40

**Chronic Limb-Threatening Ischemia (CLTI):** A condition characterized by chronic ( $\geq 2$  weeks) ischemic rest pain, nonhealing wound/ulcers or gangrene in one or both legs attributable to arterial occlusive disease (Gerhard-Herman et al., 2017). Also referred to as critical limb ischemia (CLI).

**Claudication:** Fatigue, discomfort, cramping or pain of vascular origin in the muscles of the lower extremities that is consistently induced by exercise and consistently relieved by rest (within 10 min). (Gerhard-Herman et al., 2017)

**Structured Exercise Program:** Components of a Structured Exercise Program include all of the following: (Gerhard-Herman, et al., 2017)

- Program takes place in the personal setting of the patient rather than in a clinical setting
- Program is self-directed with guidance of healthcare provider(s)
- Healthcare providers prescribe an exercise regimen similar to that of a [Supervised](#) program
- Patient counseling ensures understanding of how to begin and maintain the program and how to progress the difficulty of the walking (by increasing distance or speed)
- Program may incorporate behavioral change techniques, such as health coaching or use of activity monitors.

**Supervised Exercise Program:** Components of a Supervised Exercise Program include all of the following: (Gerhard-Herman, et al., 2017)

- Program takes place in a hospital or outpatient facility
- Program uses intermittent walking exercise as the treatment modality
- Program can be standalone or within a cardiac rehabilitation program
- Program is directly supervised by [qualified] healthcare provider(s)

- Training is performed for a minimum of 30–45 minutes per session and sessions are performed at least 3 times per week for a minimum of 12 weeks
- Training involves intermittent bouts of walking to moderate-to-maximum Claudication, alternating with periods of rest
- Warm-up and cool-down periods precede and follow each session of walking.

## Applicable Codes

The following list(s) of procedure and/or diagnosis codes is provided for reference purposes only and may not be all inclusive. Listing of a code in this policy does not imply that the service described by the code is a covered or non-covered health service. Benefit coverage for health services is determined by the member specific benefit plan document and applicable laws that may require coverage for a specific service. The inclusion of a code does not imply any right to reimbursement or guarantee claim payment. Other Policies may apply.

| CPT Code | Description  |
|----------|--|
| 37220    | Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal angioplasty   |
| 37221    | Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed   |
| 37222    | Revascularization, endovascular, open or percutaneous, iliac artery, each additional ipsilateral iliac vessel; with transluminal angioplasty (List separately in addition to code for primary procedure)   |
| 37223    | Revascularization, endovascular, open or percutaneous, iliac artery, each additional ipsilateral iliac vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)     |
| 37224    | Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal angioplasty   |
| 37225    | Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with atherectomy, includes angioplasty within the same vessel, when performed   |
| 37226    | Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed   |
| 37227    | Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed   |
| 37228    | Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal angioplasty  |
| 37229    | Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with atherectomy, includes angioplasty within the same vessel, when performed  |
| 37230    | Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed  |
| 37231    | Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed  |
| 37232    | Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal angioplasty (List separately in addition to code for primary procedure)   |
| 37233    | Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with atherectomy, includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)                     |
| 37234    | Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure) |

| CPT Code | Description  |
|----------|--|
| 37235    | Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure) |

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| Diagnosis Code | Description   |
|----------------|---|
| E08.52         | Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene                 |
| E09.52         | Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene                    |
| E10.52         | Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene                                      |
| E11.52         | Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene                                      |
| E13.52         | Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene                             |
| 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                               |
| I70.229        | Atherosclerosis of native arteries of extremities with rest pain, unspecified 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                                |
| I70.269        | Atherosclerosis of native arteries of extremities with gangrene, unspecified extremity                          |
| I70.321        | Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, right leg             |
| I70.322        | Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, left leg              |
| I70.323        | Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, bilateral legs        |
| I70.329        | Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, unspecified extremity |
| I70.331        | Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of thigh                |
| I70.332        | Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of calf                 |

| Diagnosis Code | Description  |
|----------------|--|
| I70.333        | Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of ankle                   |
| I70.334        | Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of heel and midfoot        |
| I70.335        | Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of foot      |
| I70.338        | Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of lower leg |
| I70.339        | Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of unspecified site        |
| I70.341        | Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of thigh                    |
| I70.342        | Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of calf                     |
| I70.343        | Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of ankle                    |
| I70.344        | Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of heel and midfoot         |
| I70.345        | Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of foot       |
| I70.348        | Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of lower leg  |
| I70.349        | Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of unspecified site         |
| I70.35         | Atherosclerosis of unspecified type of bypass graft(s) of other extremity with ulceration                          |
| I70.361        | Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, right leg                 |
| I70.362        | Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, left leg                  |
| I70.363        | Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, bilateral legs            |
| I70.369        | Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, unspecified 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              |
| I70.429        | Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, unspecified 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     |
| I70.439        | Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of unspecified site            |
| 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      |
| I70.449        | Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of unspecified site             |
| 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                |

| Diagnosis Code | Description   |
|----------------|---|
| 170.468        | Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, other extremity                    |
| 170.469        | Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, unspecified extremity              |
| 170.521        | Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, right leg                |
| 170.522        | Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, left leg                 |
| 170.523        | Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, bilateral legs           |
| 170.528        | Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, other extremity          |
| 170.529        | Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, unspecified extremity    |
| 170.531        | Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of thigh                   |
| 170.532        | Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of calf                    |
| 170.533        | Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of ankle                   |
| 170.534        | Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of heel and midfoot        |
| 170.535        | Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of foot      |
| 170.538        | Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of lower leg |
| 170.539        | Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of unspecified site        |
| 170.541        | Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of thigh                    |
| 170.542        | Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of calf                     |
| 170.543        | Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of ankle                    |
| 170.544        | Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of heel and midfoot         |
| 170.545        | Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of foot       |
| 170.548        | Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of lower leg  |
| 170.549        | Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of unspecified site         |
| 170.561        | Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, right leg                 |
| 170.562        | Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, left leg                  |
| 170.563        | Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, bilateral legs            |
| 170.568        | Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, other extremity           |
| 170.569        | Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, unspecified extremity     |
| 170.621        | Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, right leg                           |
| 170.622        | Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, left leg                            |
| 170.623        | Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, bilateral legs                      |
| 170.628        | Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, other extremity                     |

| Diagnosis Code | Description  |
|----------------|--|
| I70.629        | Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, unspecified 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         |
| I70.661        | 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           |
| I70.669        | Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, unspecified 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          |
| I70.729        | Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, unspecified 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 |
| I70.739        | 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         |
| I70.761        | 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            |

| Diagnosis Code | Description  |
|----------------|--|
| I70.768        | Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, other extremity       |
| I70.769        | Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, unspecified extremity |
| I72.3          | Aneurysm of iliac artery   |
| I72.4          | Aneurysm of artery of lower extremity  |
| I72.8          | Aneurysm of other specified arteries   |
| I72.9          | Aneurysm of unspecified site   |
| I73.00         | Raynaud's syndrome without gangrene  |
| I73.01         | Raynaud's syndrome with gangrene   |
| I73.1          | Thromboangiitis obliterans [Buerger's disease]   |
| I73.81         | Erythromelalgia  |
| I74.3          | Embolism and thrombosis of arteries of the lower extremities   |
| I74.4          | Embolism and thrombosis of arteries of extremities, unspecified  |
| I74.5          | Embolism and thrombosis of iliac artery  |
| I74.8          | Embolism and thrombosis of other arteries  |
| I74.9          | Embolism and thrombosis of unspecified artery  |
| I75.021        | Atheroembolism of right lower extremity  |
| I75.022        | Atheroembolism of left lower extremity   |
| I75.023        | Atheroembolism of bilateral lower extremities  |
| I75.029        | Atheroembolism of unspecified lower extremity  |
| I75.89         | Atheroembolism of other site   |
| I77.2          | Rupture of artery  |
| I77.70         | Dissection of unspecified artery   |
| I77.72         | Dissection of iliac artery   |
| I77.77         | Dissection of artery of lower extremity  |
| I77.79         | Dissection of other specified artery   |
| I96            | Gangrene, not elsewhere classified   |
| L03.115        | Cellulitis of right lower limb   |
| L03.116        | Cellulitis of left lower limb  |
| M86.051        | Acute hematogenous osteomyelitis, right femur  |
| M86.052        | Acute hematogenous osteomyelitis, left femur   |
| M86.059        | Acute hematogenous osteomyelitis, unspecified femur  |
| M86.061        | Acute hematogenous osteomyelitis, right tibia and fibula   |
| M86.062        | Acute hematogenous osteomyelitis, left tibia and fibula  |
| M86.069        | Acute hematogenous osteomyelitis, unspecified tibia and fibula   |
| M86.071        | Acute hematogenous osteomyelitis, right ankle and foot   |
| M86.072        | Acute hematogenous osteomyelitis, left ankle and foot  |
| M86.079        | Acute hematogenous osteomyelitis, unspecified ankle and foot   |
| M86.08         | Acute hematogenous osteomyelitis, other sites  |
| M86.09         | Acute hematogenous osteomyelitis, multiple sites   |
| M86.1          | Other acute osteomyelitis  |
| M86.10         | Other acute osteomyelitis, unspecified site  |
| M86.151        | Other acute osteomyelitis, right femur   |



| Diagnosis Code | Description   |
|----------------|---|
| M86.152        | Other acute osteomyelitis, left femur                                   |
| M86.159        | Other acute osteomyelitis, unspecified femur                            |
| M86.161        | Other acute osteomyelitis, right tibia and fibula                       |
| M86.162        | Other acute osteomyelitis, left tibia and fibula                        |
| M86.169        | Other acute osteomyelitis, unspecified tibia and fibula                 |
| M86.171        | Other acute osteomyelitis, right ankle and foot                         |
| M86.172        | Other acute osteomyelitis, left ankle and foot                          |
| M86.179        | Other acute osteomyelitis, unspecified ankle and foot                   |
| M86.18         | Other acute osteomyelitis, other site                                   |
| M86.19         | Other acute osteomyelitis, multiple sites                               |
| M86.20         | Subacute osteomyelitis, unspecified site                                |
| M86.251        | Subacute osteomyelitis, right femur                                     |
| M86.252        | Subacute osteomyelitis, left femur                                      |
| M86.259        | Subacute osteomyelitis, unspecified femur                               |
| M86.261        | Subacute osteomyelitis, right tibia and fibula                          |
| M86.262        | Subacute osteomyelitis, left tibia and fibula                           |
| M86.269        | Subacute osteomyelitis, unspecified tibia and fibula                    |
| M86.271        | Subacute osteomyelitis, right ankle and foot                            |
| M86.272        | Subacute osteomyelitis, left ankle and foot                             |
| M86.279        | Subacute osteomyelitis, unspecified ankle and foot                      |
| M86.28         | Subacute osteomyelitis, other site                                      |
| M86.29         | Subacute osteomyelitis, multiple sites                                  |
| M86.30         | Chronic multifocal osteomyelitis, unspecified site                      |
| M86.351        | Chronic multifocal osteomyelitis, right femur                           |
| M86.352        | Chronic multifocal osteomyelitis, left femur                            |
| M86.359        | Chronic multifocal osteomyelitis, unspecified femur                     |
| M86.361        | Chronic multifocal osteomyelitis, right tibia and fibula                |
| M86.362        | Chronic multifocal osteomyelitis, left tibia and fibula                 |
| M86.369        | Chronic multifocal osteomyelitis, unspecified tibia and fibula          |
| M86.371        | Chronic multifocal osteomyelitis, right ankle and foot                  |
| M86.372        | Chronic multifocal osteomyelitis, left ankle and foot                   |
| M86.379        | Chronic multifocal osteomyelitis, unspecified ankle and foot            |
| M86.38         | Chronic multifocal osteomyelitis, other site                            |
| M86.39         | Chronic multifocal osteomyelitis, multiple sites                        |
| M86.40         | Chronic osteomyelitis with draining sinus, unspecified site             |
| M86.451        | Chronic osteomyelitis with draining sinus, right femur                  |
| M86.452        | Chronic osteomyelitis with draining sinus, left femur                   |
| M86.459        | Chronic osteomyelitis with draining sinus, unspecified femur            |
| M86.461        | Chronic osteomyelitis with draining sinus, right tibia and fibula       |
| M86.462        | Chronic osteomyelitis with draining sinus, left tibia and fibula        |
| M86.469        | Chronic osteomyelitis with draining sinus, unspecified tibia and fibula |
| M86.471        | Chronic osteomyelitis with draining sinus, right ankle and foot         |

| Diagnosis Code | Description  |
|----------------|--|
| M86.472        | Chronic osteomyelitis with draining sinus, left ankle and foot         |
| M86.479        | Chronic osteomyelitis with draining sinus, unspecified ankle and foot  |
| M86.48         | Chronic osteomyelitis with draining sinus, other site                  |
| M86.49         | Chronic osteomyelitis with draining sinus, multiple sites              |
| M86.50         | Other chronic hematogenous osteomyelitis, unspecified site             |
| M86.551        | Other chronic hematogenous osteomyelitis, right femur                  |
| M86.552        | Other chronic hematogenous osteomyelitis, left femur                   |
| M86.559        | Other chronic hematogenous osteomyelitis, unspecified femur            |
| M86.561        | Other chronic hematogenous osteomyelitis, right tibia and fibula       |
| M86.562        | Other chronic hematogenous osteomyelitis, left tibia and fibula        |
| M86.571        | Other chronic hematogenous osteomyelitis, right ankle and foot         |
| M86.572        | Other chronic hematogenous osteomyelitis, left ankle and foot          |
| M86.579        | Other chronic hematogenous osteomyelitis, unspecified ankle and foot   |
| M86.58         | Other chronic hematogenous osteomyelitis, other site                   |
| M86.59         | Other chronic hematogenous osteomyelitis, multiple sites               |
| M86.60         | Other chronic osteomyelitis, unspecified site                          |
| M86.651        | Other chronic osteomyelitis, right thigh                               |
| M86.652        | Other chronic osteomyelitis, left thigh                                |
| M86.659        | Other chronic osteomyelitis, unspecified thigh                         |
| M86.661        | Other chronic osteomyelitis, right tibia and fibula                    |
| M86.662        | Other chronic osteomyelitis, left tibia and fibula                     |
| M86.669        | Other chronic osteomyelitis, unspecified tibia and fibula              |
| M86.671        | Other chronic osteomyelitis, right ankle and foot                      |
| M86.672        | Other chronic osteomyelitis, left ankle and foot                       |
| M86.679        | Other chronic osteomyelitis, unspecified ankle and foot                |
| M86.68         | Other chronic osteomyelitis, other site                                |
| M86.69         | Other chronic osteomyelitis, multiple sites                            |
| M86.8X0        | Other osteomyelitis, multiple sites                                    |
| M86.8X5        | Other osteomyelitis, thigh   |
| M86.8X6        | Other osteomyelitis, lower leg   |
| M86.8X7        | Other osteomyelitis, ankle and foot                                    |
| M86.8X8        | Other osteomyelitis, other site  |
| M86.8X9        | Other osteomyelitis, unspecified sites                                 |
| M86.9          | Osteomyelitis, unspecified   |
| Q27.30         | Arteriovenous malformation, site unspecified                           |
| 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 |
| Q27.9          | Congenital malformation of peripheral vascular system, unspecified     |
| Q87.2          | Congenital malformation syndromes predominantly involving limbs        |
| S35.511A       | Injury of right iliac artery, initial encounter                        |
| S35.512A       | Injury of left iliac artery, initial encounter                         |

| Diagnosis Code | Description   |
|----------------|---|
| S81.801A       | Unspecified open wound, right lower leg, initial encounter  |
| S81.802A       | Unspecified open wound, left lower leg, initial encounter   |
| S81.809A       | Unspecified open wound, unspecified lower leg, initial encounter                                    |
| S91.301A       | Unspecified open wound, right foot, initial encounter   |
| S91.302A       | Unspecified open wound, left foot, initial encounter  |
| S91.309A       | Unspecified open wound, unspecified foot, initial encounter   |
| T82.312A       | Breakdown (mechanical) of femoral arterial graft (bypass), initial encounter                        |
| T82.318A       | Breakdown (mechanical) of other vascular grafts, initial encounter                                  |
| T82.319A       | Breakdown (mechanical) of unspecified vascular grafts, initial encounter                            |
| T82.338A       | Leakage of other vascular grafts, initial encounter   |
| T82.392A       | Other mechanical complication of femoral arterial graft (bypass), initial encounter                 |
| T82.398A       | Other mechanical complication of other vascular grafts, initial encounter                           |
| T82.399A       | Other mechanical complication of unspecified vascular grafts, initial encounter                     |
| T82.818A       | Embolism due to vascular prosthetic devices, implants and grafts, initial encounter                 |
| T82.868A       | Thrombosis due to vascular prosthetic devices, implants and grafts, initial encounter               |
| T82.898A       | Other specified complication of vascular prosthetic devices, implants and grafts, initial encounter |

## Description of Services

Peripheral artery disease (PAD) is a narrowing of vessels due to atherosclerosis that limits blood flow to the limbs. PAD most commonly affects arteries in the legs. While many people with PAD do not have any symptoms, some will have leg pain, numbness or cramping during exercise that is relieved by rest (Claudication). Risk factors include age, smoking, diabetes, obesity, high blood pressure and high cholesterol. Some of the tests used to diagnose PAD are physical exam, Ankle-Brachial Index (ABI), ankle pressure, toe-brachial index, toe pressure, transcutaneous oxygen pressure, noninvasive imaging, and invasive angiography.

PAD is associated with an increased risk of heart attack, stroke and, when left untreated, can lead to CLTI. Treatment options include lifestyle changes, medications, endovascular techniques, and surgery. Endovascular techniques to treat Claudication and CLTI include balloon dilation (angioplasty), stents and atherectomy. The technique chosen for endovascular treatment depends on many factors including lesion characteristics such as anatomic location, lesion length and degree of calcification. (Gerhard-Herman et al., 2017; National Heart, Lung and Blood Institute website)

## Clinical Evidence

A Cochrane systematic review by Fakhry et al. (2018) assessed the effectiveness of endovascular revascularization compared with no specific therapy for intermittent claudication or compared with a conservative therapy option such as supervised exercise or drug therapy. The review included ten studies with a total of 1087 participants. The results showed that endovascular revascularization and supervised exercise are comparable treatment options in improving walking distances and quality of life in individuals with intermittent claudication. Combination therapy (endovascular revascularization with either supervised exercise or drug therapy) seemed to result in greater improvements than those seen with supervised exercise or drug therapy alone. (The ERASE trial by Fakhry et al., 2015 and the CLEVER trial by Murphy et al., 2015, which were previously cited in this policy, are included in this systematic review.)

Malgor et al. (2015) conducted a systematic review to evaluate the efficacy of three treatment strategies for individuals with claudication. Primary outcome measures included mortality, amputation, walking distance, quality of life, patency, and measures of blood flow (ABI). The review included eight systematic reviews and 12 trials enrolling 1548 patients. Compared with medical management, each of the three treatments (surgery, endovascular therapy, and exercise therapy) was associated with improved walking distance, claudication symptoms and quality of life. Evidence supporting superiority of one of the three approaches was limited. However, blood flow parameters improved faster and better with both forms of revascularization

compared with exercise or medical management. Compared with endovascular therapy, open surgery may be associated with longer length of hospital stay and higher complication rates but resulted in more durable patency (moderate-quality evidence). (The CLEVER trial by Murphy et al., 2012, which was previously cited in this policy, is included in this systematic review.)

Vemulapalli et al. (2015) conducted a systematic review and a network meta-analysis to evaluate the comparative effectiveness of medical therapy, supervised exercise training, endovascular intervention, and surgical revascularization in patients with claudication. Outcomes assessed included walking distance, claudication distance, all-cause mortality, and quality of life. Thirty-five studies (n = 7475) were included in the analysis. A meta-analysis of 16 studies suggested that, compared with usual care, maximal walking measures were improved to a greater extent with supervised exercise than with medical therapy or endovascular intervention. A meta-analysis of 12 studies demonstrated that exercise training and endovascular intervention, but not cilostazol, improved initial claudication measures compared with usual care. A meta-analysis of 13 studies suggested that although all treatment modalities were superior to usual care, there was no significant difference between modalities in respect to quality of life. The authors noted that heterogeneity in functional endpoints, single-arm observational study design and poor subgroup reporting significantly limit comparative effectiveness analysis in PAD. Further studies with attention to study design, standardized efficacy and safety endpoints, and appropriate subgroup reporting are needed. (The multicenter CLEVER trial by Murphy et al., 2012, which was previously cited in this policy, is included in this systematic review.)

## Clinical Practice Guidelines

### ***American College of Cardiology (ACC)/American Heart Association (AHA)/Society for Cardiovascular Angiography and Interventions (SCAI)/Society of Interventional Radiology (SIR)/Society for Vascular Medicine (SVM)***

In a multi-society report, Bailey et al. (2019) published appropriate use criteria for peripheral artery interventions. The panel recommends that patients with PAD and intermittent claudication should first be treated with guideline-directed medical therapy and structured exercise. Revascularization should be considered only in patients who continue to have lifestyle-limiting claudication despite these noninvasive approaches. In situations where medical therapy is insufficient, the selection of surgical or endovascular revascularization depends on several factors including patient risk level and lesion characteristics, such as anatomic location, length and presence of stenosis or occlusion. For patients with CLTI, both endovascular or surgical revascularization procedures are considered appropriate and critical for the reduction of high morbidity and mortality rates associated with limb loss and cardiovascular events.

### ***American Diabetes Association (ADA)***

ADA guidelines address the evaluation of PAD in diabetic individuals. Recommended testing is based on the presence and severity of symptoms. The guidelines state that urgent vascular imaging and revascularization should be considered in individuals with a diabetic foot ulcer and an ankle pressure < 50 mmHg, toe pressure < 30 mmHg, or a TcPO<sub>2</sub> < 25 mmHg. (ADA, 2022)

### ***American Heart Association (AHA)/American College of Cardiology (ACC)***

AHA/ACC guidelines for the diagnosis and management of patients with lower extremity PAD make the following recommendations for surgical and endovascular revascularization procedures: (Gerhard-Herman et al., 2017)

## Claudication

- Revascularization is a reasonable treatment option for the patient with lifestyle-limiting claudication with an inadequate response to guideline-directed management and therapy
- Endovascular procedures are effective as a revascularization option for patients with lifestyle-limiting claudication and hemodynamically significant aortoiliac occlusive disease
- Endovascular procedures are reasonable as a revascularization option for patients with lifestyle-limiting claudication and hemodynamically significant femoropopliteal disease
- The usefulness of endovascular procedures as a revascularization option for patients with claudication due to isolated infrapopliteal artery disease is unknown
- Endovascular procedures should not be performed in patients with PAD solely to prevent progression to CLTI

## CLTI

- In patients with CLTI, revascularization should be performed when possible, to minimize tissue loss
- An evaluation for revascularization options should be performed by an interdisciplinary care team before amputation in the patient with CLTI
- Endovascular procedures are recommended to establish in-line blood flow to the foot in patients with nonhealing wounds or gangrene
- A staged approach to endovascular procedures is reasonable in patients with ischemic rest pain
- Evaluation of lesion characteristics can be useful in selecting the endovascular approach for CLTI

### *International Working Group on the Diabetic Foot (IWGDF)*

IWGDF guidelines on the prevention and management of diabetic foot disease state that in patients with either an ankle pressure < 50mm Hg or an ABI < 0.5, consider urgent vascular imaging and, when findings suggest it is appropriate, revascularization. Also consider revascularization if the toe pressure is < 30 mmHg or TcPO<sub>2</sub> is < 25 mmHg. Clinicians might consider revascularization at higher pressure levels in patients with extensive tissue loss or infection. (Schaper et al., 2020)

### *National Institute for Health and Care Excellence (NICE)*

A National Institute for Health and Care Excellence (NICE) clinical guideline offers recommendations on the management of PAD. (NICE, 2012; updated 2020)

### *Society for Vascular Surgery (SVS)*

SVS guidelines provide a comprehensive set of recommendations for the evaluation and management of CLTI. Vein bypass may be preferred for average-risk patients with advanced limb threat and high complexity disease, while those with less complex anatomy, intermediate severity limb threat or high patient risk may be favored for endovascular intervention. All patients with CLTI should be afforded best medical therapy including the use of antithrombotic, lipid-lowering, antihypertensive and glycemic control agents, as well as counseling on smoking cessation, diet, exercise, and preventive foot care. (Conte et al., 2019)

Separate SVS guidelines provide a comprehensive set of recommendations for the evaluation and management of asymptomatic disease and intermittent claudication. Emphasis is placed on risk factor modification, medical therapies and broader use of exercise programs to improve cardiovascular health and functional performance. Revascularization for intermittent claudication is an appropriate therapy for selected patients with disabling symptoms, after a careful risk-benefit analysis. Treatment should be individualized based on comorbid conditions, degree of functional impairment and anatomic factors. Invasive treatments for intermittent claudication should provide predictable functional improvements with reasonable durability. A minimum threshold of a > 50% likelihood of sustained efficacy for at least 2 years is suggested as a benchmark. Endovascular approaches are favored for most candidates with aortoiliac disease and for selected patients with femoropopliteal disease in whom anatomic durability is expected to meet this minimum threshold. Conversely, caution is warranted in the use of interventions for intermittent claudication in anatomic settings where durability is limited (extensive calcification, small-caliber arteries, diffuse infrainguinal disease, poor runoff). Surgical bypass may be a preferred strategy in good-risk patients with these disease patterns or in those with prior endovascular failures. Common femoral artery disease should be treated surgically, and the saphenous vein is the preferred conduit for infrainguinal bypass grafting. Patients who undergo invasive treatments for intermittent claudication should be monitored regularly in a surveillance program to record subjective improvements, assess risk factors, optimize compliance with cardioprotective medications and monitor hemodynamic and patency status. (Conte et al., 2015)

## U.S. Food and Drug Administration (FDA)

This section is to be used for informational purposes only. FDA approval alone is not a basis for coverage.

The FDA has approved several stents and stent systems for the treatment of PAD of the lower extremities. Refer to the following website (use product codes NIO and NIP) for more information:

<https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfPMA/pma.cfm>. (Accessed May 3, 2022)

The FDA has approved several catheter systems used for the treatment of PAD of the lower extremities. Refer to the following website (use product code DQY) for more information: <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfPMN/pmn.cfm>. (Accessed May 3, 2022)

## References

The foregoing Oxford policy has been adapted from an existing UnitedHealthcare national policy that was researched, developed and approved by UnitedHealthcare Medical Technology Assessment Committee. [2023T0602]

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## Policy History/Revision Information

| Date       | Summary of Changes   |
|------------|--|
| 01/01/2023 | <p><b>Title Change</b></p> <ul style="list-style-type: none"> <li>Previously titled <i>Lower Extremity Invasive Diagnostic and Endovascular Procedures</i></li> </ul> <p><b>Coverage Rationale</b></p> <ul style="list-style-type: none"> <li>Removed language (and corresponding criteria) indicating lower extremity vascular angiography is proven and medically necessary for evaluating arterial disease, aneurysms, perivascular masses, and trauma related injuries of the lower extremity under certain circumstances</li> <li>Added language to clarify endovascular revascularization procedures (e.g., stents, angioplasty and/or atherectomy) are proven and medically necessary for treating <i>non-limb-threatening</i> lower extremity ischemia in individuals with claudication due to atherosclerotic disease of the aortoiliac and/or femoropopliteal arteries when all of the [listed] criteria are met</li> <li>Revised coverage guidelines for endovascular revascularization procedures (e.g., stents, angioplasty and/or atherectomy) for treating lower extremity Chronic Limb-Threatening Ischemia (CLTI); replaced indication-specific criteria with reference link to the diagnoses listed in <i>Applicable Codes</i> section of the policy</li> </ul> <p><b>Documentation Requirements</b></p> <ul style="list-style-type: none"> <li>Added list of applicable CPT codes</li> <li>Updated list of <i>Required Clinical Information</i>: <ul style="list-style-type: none"> <li>Replaced “documentation of <i>moderate to severe</i> ischemic peripheral artery disease using one of the following: Ankle-Brachial Index (ABI), <i>ankle pressure</i>, <i>Toe-Brachial Index (TBI)</i>, <i>toe pressure</i>, or <i>transcutaneous oxygen pressure</i>” with “documentation of ischemic peripheral artery disease <i>including</i> Ankle-Brachial Index (ABI)”</li> <li>Removed documentation requirements for lower extremity vascular angiography</li> </ul> </li> </ul> <p><b>Definitions</b></p> <ul style="list-style-type: none"> <li>Removed definition of: <ul style="list-style-type: none"> <li>Toe-Brachial Index (TBI)</li> <li>Transcutaneous Oxygen Pressure (TcPO<sub>2</sub>)</li> </ul> </li> </ul> <p><b>Applicable Codes</b></p> <ul style="list-style-type: none"> <li>Removed CPT codes 75710 and 75716</li> <li>Added list of applicable ICD-10 diagnosis codes: E08.52, E09.52, E10.52, E11.52, E13.52, I70.221, I70.222, I70.223, I70.228, I70.229, I70.231, I70.232, I70.233, I70.234, I70.235, I70.238, I70.239, I70.241, I70.242, I70.243, I70.244, I70.245, I70.248, I70.249, I70.25, I70.261, I70.262, I70.263, I70.268, I70.269, I70.321, I70.322, I70.323, I70.329, I70.331, I70.332, I70.333, I70.334, I70.335, I70.338, I70.339, I70.341, I70.342, I70.343, I70.344, I70.345, I70.348, I70.349, I70.35, I70.361, I70.362, I70.363, I70.369, I70.421, I70.422, I70.423, I70.428, I70.429, I70.431, I70.432, I70.433, I70.434, I70.435, I70.438, I70.439, I70.441, I70.442, I70.443, I70.444, I70.445, I70.448, I70.449, I70.461, I70.462, I70.463, I70.468, I70.469, I70.521, I70.522, I70.523, I70.528, I70.529, I70.531, I70.532, I70.533, I70.534, I70.535, I70.538, I70.539, I70.541, I70.542, I70.543, I70.544, I70.545, I70.548, I70.549, I70.561, I70.562, I70.563, I70.568, I70.569, I70.621, I70.622, I70.623, I70.628, I70.629, I70.631, I70.632, I70.633, I70.634, I70.635, I70.638, I70.639, I70.641, I70.642, I70.643, I70.644, I70.645, I70.648, I70.649, I70.661, I70.662, I70.663, I70.668, I70.669, I70.721, I70.722, I70.723, I70.728, I70.729, I70.731, I70.732, I70.733, I70.734, I70.735, I70.738, I70.739, I70.741, I70.742, I70.743, I70.744, I70.745, I70.748, I70.749, I70.761, I70.762, I70.763, I70.768, I70.769, I72.3, I72.4, I72.8, I72.9, I73.00, I73.01, I73.1, I73.81, I74.3, I74.4, I74.5, I74.8, I74.9, I75.021, I75.022, I75.023, I75.029, I75.89, I77.2, I77.70, I77.72, I77.77, I77.79, I96, L03.115, L03.116, M86.051, M86.052, M86.059, M86.061, M86.062, M86.069, M86.071, M86.072, M86.079, M86.08, M86.09,</li> </ul> |

| Date | Summary of Changes   |
|------|--|
|      | <p>M86.1, M86.10, M86.151, M86.152, M86.159, M86.161, M86.162, M86.169, M86.171, M86.172, M86.179, M86.18, M86.19, M86.20, M86.251, M86.252, M86.259, M86.261, M86.262, M86.269, M86.271, M86.272, M86.279, M86.28, M86.29, M86.30, M86.351, M86.352, M86.359, M86.361, M86.362, M86.369, M86.371, M86.372, M86.379, M86.38, M86.39, M86.40, M86.451, M86.452, M86.459, M86.461, M86.462, M86.469, M86.471, M86.472, M86.479, M86.48, M86.49, M86.50, M86.551, M86.552, M86.559, M86.561, M86.562, M86.571, M86.572, M86.579, M86.58, M86.59, M86.60, M86.651, M86.652, M86.659, M86.661, M86.662, M86.669, M86.671, M86.672, M86.679, M86.68, M86.69, M86.8X0, M86.8X5, M86.8X6, M86.8X7, M86.8X8, M86.8X9, M86.9, Q27.30, Q27.32, Q27.39, Q27.8, Q27.9, Q87.2, S35.511A, S35.512A, S81.801A, S81.802A, S81.809A, S91.301A, S91.302A, S91.309A, T82.312A, T82.318A, T82.319A, T82.338A, T82.392A, T82.398A, T82.399A, T82.818A, T82.868A, and T82.898A</p> <p><b>Supporting Information</b></p> <ul style="list-style-type: none"> <li>• Updated <i>Clinical Evidence</i> and <i>References</i> sections to reflect the most current information</li> <li>• Removed <i>Prior Authorization Requirements</i> section</li> <li>• Archived previous policy version RADIOLOGY 040.9 T2</li> </ul> |

## Instructions for Use

This Clinical Policy provides assistance in interpreting UnitedHealthcare Oxford standard benefit plans. When deciding coverage, the member specific benefit plan document must be referenced as the terms of the member specific benefit plan may differ from the standard plan. In the event of a conflict, the member specific benefit plan document governs. Before using this policy, please check the member specific benefit plan document and any applicable federal or state mandates. UnitedHealthcare Oxford reserves the right to modify its Policies as necessary. This Clinical Policy is provided for informational purposes. It does not constitute medical advice.

The term Oxford includes Oxford Health Plans, LLC and all of its subsidiaries as appropriate for these policies. Unless otherwise stated, Oxford policies do not apply to Medicare Advantage members.

UnitedHealthcare may also use tools developed by third parties, such as the InterQual® criteria, to assist us in administering health benefits. UnitedHealthcare Oxford Clinical Policies are intended to be used in connection with the independent professional medical judgment of a qualified health care provider and do not constitute the practice of medicine or medical advice.