



Choosing the proper probe for your Doppler

The following information has been taken from a couple of the worlds top manufacturers and is for your reference only. If you have further questions or concerns please give us a call.

Obstetrical Probes

2 MHz obstetrical probe optimized for deep penetration.

The **2 MHz OB probe** has a deeper signal penetration and it is best used to determine fetal viability in larger women and later in pregnancy. It will consistently pick up the fetal heartbeat at 12 weeks, and is preferred for use during labor and delivery.

The **2 MHz waterproof OB probe** has the additional feature of being waterproof. When using the probe for an underwater labor and delivery, the main unit of the Doppler remains outside of the water bath to provide clear, undistorted sound.



Common 2MHz OB Probe



Common 2 MHz waterproof OB probe

3 MHz obstetrical probe optimized for early fetal heartbeat detection and best for use during entire pregnancy.

The **3 MHz OB probe** has a shallower focus than the 2 MHz and is more sensitive to early fetal heartbeats. It can pick up the fetal signals as early as 8 – 10 weeks. It is most commonly used to find fetal heartbeats and to monitor the fetus in the early stages of pregnancy.



Common 3 MHz OB probe

4 MHz probe for easy location of blood vessels. Broad wide angle and internally tilted crystals are optimized for finding vessels and ABI exam. (4MHz probe only available for Summit Dopplers)



Common 4 MHz vascular probe

5 MHz vascular probe for identification of deeper vessels. Narrow beam and shape used for ABI exam and locating deeper vessels.

The **5 MHz Vascular probe** has a deeper penetration than the 8 MHz probe. It is most commonly used for post-surgical patients; to help reveal deep vein thrombosis; to locate and monitor deep veins and arteries in legs; and for ABI studies in larger patients.



Common 5 MHz vascular probe

8 MHz vascular probe. Narrow beam and shape provides optimum sensitivity and ease of use.

The **8 MHz vascular probe** has a shallower focus and is best used for monitoring peripheral vessels. It is most commonly used for ankle/brachial index (ABI) studies; finding pedal pulses; wound care; and locating hard-to-find pulses in peripheral vessels of diabetic patients.



Common 8 MHz vascular probe

Ankle-Brachial Index / Risk Assessment Form

Patient Name _____

ID Number _____

Date _____

Risk Factors

- | | |
|--|--|
| <input type="checkbox"/> Tobacco Use | <input type="checkbox"/> Hypertension |
| <input type="checkbox"/> Diabetes | <input type="checkbox"/> Hyperlipidemia |
| <input type="checkbox"/> Heart Disease | <input type="checkbox"/> Stroke/TIA |
| <input type="checkbox"/> Current Age _____ | <input type="checkbox"/> Previous Vasc Surgery |
| <input type="checkbox"/> Other _____ | |

Current Symptoms

- ☐ Intermittent Claudication
☐ Numbness, tingling in feet
☐ Ulcerations
☐ Other _____

ABI / Severity of Disease

- | | |
|-----------|------------|
| 0.90-1.30 | - Normal |
| 0.70-0.89 | - Mild |
| 0.40-0.69 | - Moderate |
| 0.00-0.39 | - Severe |

ABI Results

Right Arm

_____ mmHg

Left Arm

_____ mmHg

Left ABI

Left Ankle Pressure = _____ mmHg = _____
Higher Arm Pressure mmHg

Right Ankle

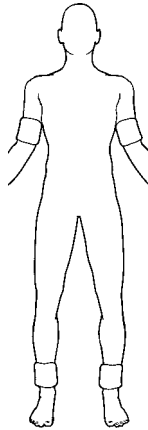
_____ mmHg

Left Ankle

_____ mmHg

Right ABI

Right Ankle Pressure = _____ mmHg = _____
Higher Arm Pressure mmHg



PEEL AND STRIP WAVEFORM

- ☐ LEFT
☐ RIGHT
☐ PT
☐ DP
☐ BRACHIAL

PEEL AND STRIP WAVEFORM

- ☐ LEFT
☐ RIGHT
☐ PT
☐ DP
☐ BRACHIAL



2006 Reimbursement Schedule

CPT Code: 93922 Non-invasive physiologic studies of upper or lower extremity arteries, single level, bilateral.

ICD9 Codes: 440 Atherosclerosis

- 440.2 Of Native arteries of the extremities
- 440.21 Atherosclerosis of the extremities with intermittent claudication
- 440.22 Atherosclerosis of the extremities with rest pain
- 440.23 Atherosclerosis of the extremities with ulceration
- 440.24 Atherosclerosis of the extremities with gangrene

442 Other Aneurysm

- 442.3 Of artery of lower extremity

443 Other Peripheral Vascular Disease

- 443.9 Peripheral vascular disease, unspecified

Location	CPT Code	Medicare Reimbursement
Alabama	93922	\$151.34
Alaska	93922	\$194.93
Arizona	93922	\$115.60
Arkansas	93922	\$97.18
California-Anaheim/Santa Ana	93922	\$138.13
California-Los Angeles	93922	\$131.86
California-Marin/Napa/Solano	93922	\$144.83
California-Oakland/Berkeley	93922	\$145.97
California-Rest of California	93922	\$119.64
California-San Francisco	93922	\$164.40
California-San Mateo	93922	\$116.69
California-Santa Clara	93922	\$161.88
California-Ventura	93922	\$130.97
Colorado	93922	\$115.91
Connecticut	93922	\$133.13
Delaware	93922	\$118.90
Florida-Ft. Lauderdale	93922	\$121.02
Florida-Miami	93922	\$128.99
Florida-Rest of Florida	93922	\$112.18
Georgia-Atlanta	93922	\$124.12
Georgia-Rest of Georgia	93922	\$104.55
Hawaii//Guam	93922	\$127.58
Idaho	93922	\$100.85
Illinois-Suburban Chicago	93922	\$129.99
Illinois-Chicago	93922	\$132.98
Illinois-E. St. Louis	93922	\$113.98
Illinois-Rest of Illinois	93922	\$105.74

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2006 Reimbursement Schedule

Location	CPT Code	Medicare Reimbursement
Indiana	93922	\$104.78
Iowa	93922	\$101.39
Kansas-Area 1	93922	\$103.66
Kentucky	93922	\$101.79
Louisiana-New Orleans	93922	\$112.26
Louisiana-Rest of Louisiana	93922	\$102.63
Maine-Rest of Maine	93922	\$104.30
Maine-South Main	93922	\$115.27
Maryland-Baltimore/Surrounding Co.	93922	\$122.47
Maryland-Rest of Maryland	93922	\$112.92
Massachusetts-Metropolitan Boston	93922	\$144.90
Massachusetts-Rest of Mass.	93922	\$127.58
Michigan-Detroit	93922	\$131.69
Michigan-Rest of Michigan	93922	\$112.46
Minnesota	93922	\$112.46
Mississippi	93922	\$98.69
Missouri-Metropolitan Kansas City	93922	\$113.47
Missouri-Metropolitan St. Louis	93922	\$110.91
Missouri-Rest of Missouri	93922	\$97.12
Montana	93922	\$101.96
Nebraska	93922	\$101.03
Nevada	93922	\$121.31
New Hampshire	93922	\$119.34
New Jersey-Northern New Jersey	93922	\$138.15
New Jersey-Rest of New Jersey	93922	\$128.59
New Mexico	93922	\$105.26
New York-Manhattan	93922	\$153.25
New York-NYC Suburbs/Long Island	93922	\$148.77
New York-Poughkpsie/N NYC Suburbs	93922	\$125.31

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Location	CPT Code	Medicare Reimbursement
New York-Queens	93922	\$144.34
New York-Rest of New York	93922	\$107.78
North Carolina	93922	\$107.06
North Dakota	93922	\$101.26
Ohio	93922	\$110.29
Oklahoma	93922	\$99.50
Oregon-Portland	93922	\$118.93
Oregon-Rest of Oregon	93922	\$106.34
Pennsylvania-Metro Pennsylvania	93922	\$129.06
Pennsylvania-Rest of Pennsylvania	93922	\$107.06
Puerto Rico	93922	\$82.56
Rhode Island	93922	\$119.25
South Carolina	93922	\$102.92
South Dakota	93922	\$100.63
Tennessee	93922	\$103.45
Texas-Austin	93922	\$118.78
Texas-Beaumont	93922	\$105.72
Texas-Brazoria	93922	\$115.43
Texas-Dallas	93922	\$123.56
Texas-Fort Worth	93922	\$115.55
Texas-Galveston	93922	\$114.36
Texas-Houston	93922	\$119.70
Texas-Rest of Texas	93922	\$104.61
Utah	93922	\$108.61
Vermont	93922	\$111.63
Virgin Islands	93922	\$118.57
Virginia	93922	\$108.13
Washington-Rest of Washington	93922	\$113.15
Washington-Seattle (King Co.)	93922	\$127.47

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Location	CPT Code	Medicare Reimbursement
Washington D.C.-DC, MD, VA	93922	\$137.89
West Virginia	93922	\$103.07
Wisconsin	93922	\$107.81
Wyoming	93922	\$103.55

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CPT CODE GUIDELINES

CPT/ICD codes associated with the Ankle Brachial Index (ABI) procedure are shown in the following table. Consult a medical billing specialist for a complete list and for information on the use of these codes.

CPT CODE	PROCEDURE	ICD-9 DIAGNOSTIC CODE
93922	Non-invasive physiologic studies of upper or lower extremity arteries, single level, bilateral.	<p>440 Atherosclerosis 440.2 Of native arteries of the extremities <i>Excludes:</i> <i>atherosclerosis of bypass graft of the extremities (440.30-440.32)</i></p> <p>440.20 Atherosclerosis of the extremities, unspecified</p> <p>440.21 Atherosclerosis of the extremities with intermittent claudication</p> <p>440.22 Atherosclerosis of the extremities with rest pain <i>Any condition classifiable to 440.21</i></p> <p>440.23 Atherosclerosis of the extremities with ulceration <i>Any condition classifiable to 440.21-440.22</i> <i>Use additional code for any associated ulceration (707.10-707.9)</i></p> <p>440.24 Atherosclerosis of the extremities with gangrene <i>Any condition classifiable to 440.21, 440.22, and 440.23 with ischemic gangrene 785.4</i> <i>Excludes:</i> <i>gas gangrene 040.0</i></p> <p>442 Other Aneurysm 442.3 Of artery of lower extremity <i>Aneurysm:</i> <i>femoral artery</i> <i>popliteal artery</i></p> <p>443 Other Peripheral Vascular Disease 443.9 Peripheral vascular disease, unspecified <i>Intermittent claudication NOS</i> <i>Peripheral:</i> <i>angiopathy NOS</i> <i>vascular disease NOS</i> <i>Spasm of artery</i> <i>Excludes:</i> <i>atherosclerosis of the arteries of the extremities (440.20-440.22)</i> <i>spasm of cerebral artery (435.0-435.9)</i></p>

93922 (cont.)	Non-invasive physiologic studies of upper or lower extremity arteries, single level, bilateral.	<p>444 Arterial Embolism and Thrombosis 444.22 Lower extremity <i>Arterial embolism or thrombosis:</i> <i>femoral</i> <i>peripheral NOS</i> <i>popliteal</i> <i>Excludes:</i> <i>iliofemoral (444.81)</i></p> <p>904 Injury to blood vessels of lower extremity and unspecified sites 904.0-904.9 <i>(Note: see ICD-9 code book for specific vessel codes.)</i></p> <p>996 Complications peculiar to certain specified procedures <i>(Note: see ICD-9 code book for specific complications.)</i></p>
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