



**SummitDoppler**  
*Listening to Life™*

Fast, reimbursable diagnosis of  
Peripheral Arterial Disease

Solutions for the  
Diagnosis of  
Vascular Disease...

from professionals  
you know and trust.



Life

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# Summit Doppler Reimbursable Vasc

Peripheral Arterial Disease (P.A.D.) is a common condition that affects 8-12 million people in the U.S. It is characterized by the narrowing of the arteries in the legs caused by plaque build-up. The disease process is often referred to as atherosclerosis.

P.A.D. is serious.

P.A.D. is a serious under-diagnosed, under-treated disease. However, both public and professional awareness of P.A.D. and its diagnosis and treatment are rapidly increasing. Additionally, equipment using Doppler ultrasound for the diagnosis of P.A.D. is becoming easier to use, less expensive to acquire and reimbursable. Thus, many health care providers are adding this equipment to their practice. These include general practitioners, cardiologists, internists, interventional radiologists, podiatrists, endocrinologists and many other groups.

Undetected P.A.D. is associated with a two to three fold increase in mortality and a three to five fold increase in heart attack and stroke, along with a severe decline in quality of life. In fact, a P.A.D. patient is more likely to die in the next five years than someone with breast cancer or coronary heart disease.

Additionally, P.A.D. is the leading cause of leg amputation and is more common than heart disease, cancer and stroke. Risk factors include age, diabetes, heart disease, hypertension, and smoking. All of these risk factors are cumulative.

## How do you test for P.A.D.?

The most common test to diagnose P.A.D. is the ankle brachial index (ABI) examination. The ABI is a simple, non-invasive test performed with a Doppler and blood pressure cuffs. The test measures the systolic pressures at the lower and upper extremities. If the ankle systolic pressure is lower than the arm systolic pressure, the patient could have some stage of P.A.D. A quick calculation chart is used to determine the severity of P.A.D. Summit Doppler provides a video explaining the test and interpretation of the results.



# ular Testing Systems



## Awareness & Opportunity

With 8 to 12 million Americans affected by P.A.D., and the number increasing each year, detection and diagnosis is coming to the forefront of medical practices. Remarkably, many of those with P.A.D. and their physicians don't recognize it – the patient interprets the leg pain as a part of the normal aging process, or a symptom of arthritis or other related problems.

The American Heart Association (AHA) and American Diabetes Association (ADA) have both recommended annual ABI screenings for patients with Type 1 Diabetes, patients over 70, or patients over 50 at high risk. "Stay in Circulation: Take Steps to Learn About P.A.D." is the first national awareness campaign to increase public awareness of P.A.D. and its association with other cardiovascular diseases. It was developed to raise awareness by the National Institute of Health (NIH), through the National Heart, Lung, and Blood Institute (NHLBI) and in cooperation with the P.A.D. Coalition, an alliance of national organizations and professional societies.

## Why Summit Doppler Systems?

Summit Doppler offers fast, economical solutions for obtaining the ABI for the diagnosis of P.A.D. that meet reimbursement criteria.

### LifeDop 250 ABI System

- Fast, waveform printout on adhesive-backed label paper for easy placement on reimbursement report forms
- Affordable, ultra-portable Doppler and printer with cable and recharger
- Display shows blood flow direction and relative frequency of the signal
- Automatic scaling and calibration
- Sensitive, bi-directional probe and hand-held Doppler



### Vista AVS (Advanced Vascular System)

- ABI and other arterial exams are now FASTER and EASIER to conduct, interpret and document!
- Perform the Seated ABI on mobility impaired patients
  - Automated segmental studies to customize the exam
  - Automatic cuff inflation/deflation system
  - Graphic waveform display with step-by-step instructions
  - Automated ABI, TBI and segmental calculation
  - Bi-directional Doppler (8 MHz probe) with 9 blood pressure cuffs
  - Pulse volume recording (PVR) waveform modality
  - Arterial photoplethysmography (PPG) probe for obtaining toe and limb pressures
  - Software for full-page reporting, exam storage and PC download capability



## Quick Return on Investment

*Summit Doppler's ABI systems can pay for themselves in as little as 3 weeks. The diagnosis of P.A.D. is reimbursable under CPT code 93922 at an average of \$121 per exam!\**

*(Reimbursements vary state-to-state)*

*\*Average based on published Medicare Fee Schedules, CMS Part B Contractors, 2009.*



## Main Units

Probe Choices - Vascular: 4, 5, 8 MHz & Bi-Directional 5 & 8 MHz / Obstetrical: 2, 3, 2 MHz Waterproof & EchoHeart

Model	Description							
		Interchangeable Probes	Rechargeable Batteries	Graphic or LCD Display	Printer	PPG/PVR	Auto Cuff Inflation/Deflation	PC Software
L500VA	Vista AVS Full-Featured ABI System	●	●	●	●	●	●	●
L450VA	Vista ABI Fast-Efficient ABI System	●	●	●	●	*	●	*
L250AC	Portable ABI System with 4 cuffs & Aneroid	●		●	●			
L250AB	Portable ABI System with 2 cuffs & Aneroid	●		●	●			
L350R	Table-Top Display with Recharger & Dual Speakers	●	●	●				
L250AR	Display Doppler with Recharger & Audio Recorder	●	●	●				
L250R	Display Doppler with Recharger	●	●	●				
L250	Display Doppler	●		●				
L150R	Non-Display Doppler with Recharger	●	●					
L150	Non-Display Doppler	●						

We offer a complete range of pressure cuffs to meet your vascular exam requirements.

## Probes

LifeDops have interchangeable probe capabilities so you can choose the best probe or probes for your needs.

Model	Description
	Frequency of Operation and Intended Use
SD8V/SD8B**	8 MHz – Bi-Directional Vascular Probe – Narrow sensitive beam – for bi-directional systems only
SD5V/SD5B**	5 MHz – Bi-Directional Vascular Probe – Medium width beam for deep vessels – for bi-directional systems only
SD8	8 MHz – Vascular Probe – Narrow sensitive beam for sensitivity and vessel location
SD5	5 MHz – Vascular Probe – Medium width beam for deep vessels
SD4	4 MHz – Vascular Probe – Optimized for easy location of flow with broad flat beam
SD3	3 MHz – Obstetrical Probe – For early fetal heart beat detection & overall use
SD2	2 MHz – Obstetrical Probe – Optimized for deep penetration
SDW	2 MHz – Obstetrical Waterproof Probe – Optimized for deep penetration
SDE	5 MHz – EchoHeart Transvaginal Obstetrical Probe – Earliest fetal heart detection

\* An optional PPG Package (model #L450PG) provides arterial PPG modality & accompanying digit cuff. An optional software package (model #L450SF) provides PC download capability (pdf & csv formats w/ USB interface).  
 \*\* SD8B and SD5B are bi-directional probes used/interchangeable only with the L250AB and L250AC. SD8V and SD5V are bi-directional probes used/interchangeable only with the Vista AVS and Vista ABI.

## Summit Doppler: Our Commitment to You

At Summit Doppler Systems, we are committed to using our extensive knowledge and decades of experience in Doppler ultrasound technology to provide our customers with superior diagnostic products and comprehensive service. Customer satisfaction is our highest priority and we stand behind all of our products with prompt shipment and a one-year full warranty. With continuous research and development, we strive to provide new technologies to better serve the needs of health care providers and their patients.

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