



# A Complete Range of Ankle Brachial Index (ABI) Systems for Peripheral Arterial Disease (P.A.D.) Detection



**WALLACH®**  
Wallach works for you.

## Versatile, Easy-to-Use and Accurate Calculation of ABI



# Diagnose Peripheral Arterial Disease (P.A.D.) Before it Becomes a Problem

Wallach Surgical's portfolio of clinically proven medical solutions includes a complete line of vascular assessment systems for performing the Ankle Brachial Index (ABI) exam, for detecting and diagnosing P.A.D.

P.A.D. is a serious illness affecting roughly 8 million Americans<sup>1</sup>, typically over the age of 65, as well as individuals over the age of 50 who smoke or have diabetes<sup>2</sup>. P.A.D. often goes undiagnosed and untreated, even though there are opportunities for earlier detection when patients are visiting their doctors in general practice, family practice, cardiology, vascular surgery, wound care or podiatry.

Wallach's Summit Doppler line of vascular assessment systems and probes are designed to provide clinicians with maximum versatility, ease of use and accuracy for diagnosing patients with P.A.D. From our cost-effective LifeDop™ Series of handheld Dopplers to our more robust automated ABI systems, Wallach has a solution that will work for any clinical setting.

<sup>1</sup> CDC Peripheral Arterial Disease Fact Sheet, July 26, 2013

<sup>2</sup> Vascular Disease Foundation, 2012

# Portable LifeDop™ Handheld Dopplers Easily Capture Waveforms

Wallach Surgical offers the LifeDop 250 and the LifeDop 300, two cost-effective handheld Doppler options that easily locate vessels and detect blood flow. LifeDop dopplers are designed to be extremely durable, ensuring long-lasting operation. Both systems feature:

- Large heart rate displays
- Sensitive 8 MHZ bi-directional probes
- Two cuffs or four cuffs with aneroid
- Simple ABI reference documents and video

The **LifeDop 250** Dopplers measure systolic pressures that allow you to calculate ABI and diagnose P.A.D. The LifeDop 250 with four cuffs and aneroid also captures waveforms for reimbursement\*.

The **LifeDop 300** unit has a convenient keypad for entering pressure data, and it quickly and automatically calculates ABI for you. The system includes a printer for capturing dual ankle waveforms for reimbursement,\* four cuffs and aneroid, and all the necessary accessories needed for handling and storage.

\* Exam may meet CPT requirements as defined in the AMA CPT manual.

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LifeDop 250 ABI System



LifeDop 300 ABI System



# The Vista AVS and Vista ABI™ System for Greater Versatility and Accuracy

## The Advanced Vista AVS Conducts Single-level ABI, Seated ABI, TBI, and Segmental Studies

The Vista AVS is a robust, highly versatile system ideal for conducting, interpreting and documenting ABI, TBI, and segmental studies with three modalities. An 8 MHz bi-directional Doppler probe can be used to obtain systolic pressure and ankle waveforms required for reimbursement\*. Pulse Volume Recording (PVR) quickly captures ankle waveforms. A third modality, photoplethysmography (PPG) probe measures pressures for Toe Brachial Index (TBI) and segmental exams. The Vista AVS vascular system features:

- Segmental studies to help locate blockage or narrowing following single-level ABI exam
- Bi-directional Doppler, PVR and PPG modalities
- Automatic ABI, TBI, and segmental calculations
- Performs seated ABI exams for mobility impaired patients
- Obtains dual-ankle pressures, Posterior Tibial (PT), and Dorsalis Pedis (DP) arteries
- Software for reporting, annotating, storage, printing, and interfacing with EMR
- 9 cuffs with automatic inflation/deflation to speed up and customize segmental studies
- Optional 5 MHz bi-directional probe provides deeper penetration on larger patients

The Vista AVS accommodates both standard and custom protocols. Easy-to-follow test sequences and handheld controller make navigating this system quick and simple.

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Vista AVS and ABI



# s Offer More Modalities

## The Easy-to-use Vista ABI Performs Single-level ABI, Seated ABI, and Optional TBI

The Vista ABI system conducts single-level ABI exams and seated ABI exams\* using the bi-directional Doppler probe or PVR. An optional PPG probe measures toe pressures for the TBI. The Vista ABI features:

- PVR and bi-directional Doppler modalities
- Graphic waveform display with easy to follow test sequence
- 4 cuffs with automated inflation/deflation
- Optional PPG probe package
- Optional reporting software package



## Vista AVS and Vista ABI Advanced Features

### Doppler

The bi-directional Doppler probe, long considered the gold standard for ABI exams used to obtain systolic pressures and waveforms.



### PVR

PVRs can be used to obtain peripheral arterial waveforms with blood pressure cuffs.



### PPG

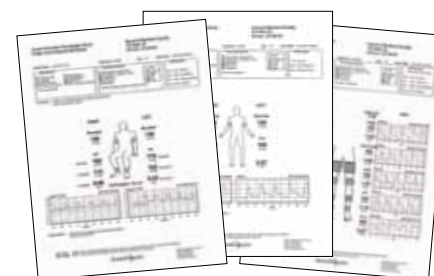
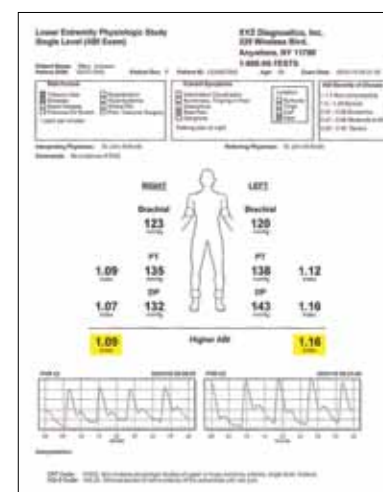
PPG probe detects small changes in blood volume. Using a toe cuff, the PPG probe measures toe pressures in patients with noncompressible arteries. The PPG probe can be used to measure toe and brachial pressures for the TBI exam. PPG probes are also used to obtain toe pressures for segmental studies.

\* Patent: US 20090099465A1

## Reporting Software

The Vista AVS includes PC software for full-page reporting, exam data storage, and integration with leading EMR systems. A download option is available for the Vista ABI.

ABI Severity of Disease **
>1.4 Non-compressible
1.0 - 1.4 Normal
0.91 - 0.99 Borderline
0.41 - 0.90 Moderate to Mild
0.00 - 0.40 Severe



\*\* 2011 ACCF/AHA Focused update of the Guideline for the Management of Patients with Peripheral Artery Disease (Updating the 2005 Guideline)



## Vantage ABI™ Provides Higher Throughput for P.A.D. Screening

The Vantage ABI offers screening capabilities, in as little as 3 minutes. The Vantage ABI completes a single level exam using Digital Fourier Oscillometry (DFO). Summit Doppler worked with researchers from the Cleveland Clinic to create their own unique DFO Algorithm\*. Vantage ABI is available in two packages: as a standalone system or with built-in printer and stand. Other features include:

- Graphic display with touchscreen to easily navigate system
- USB for data transfer, storage, EMR interface
- Total of 4 cuffs: two 10 cm for ankles and two 12 cm for arms



Vantage ABI

\* Patent: WO2012040428A2

# Accessories

Wallach offers a full line of accessories for each system.  
Please visit [www.wallach.com](http://www.wallach.com) for a full listing.



Providing ABI studies  
can help your patients  
with early detection of  
P.A.D. To learn more,  
contact Wallach Surgical.

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## Wallach works for you.

Wallach Surgical offers industry-leading medical systems and instruments, including colposcopes, cryosurgical and electrosurgical units, digital and Doppler imaging devices, and a broad range of instruments and disposables that keep practices and hospitals running safely and smoothly.

Physicians have relied on our diverse product portfolio for more than 30 years. Moving forward, we are committed to expanding into new technologies, including our acquisition of Summit Doppler and our ongoing research and development efforts.

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