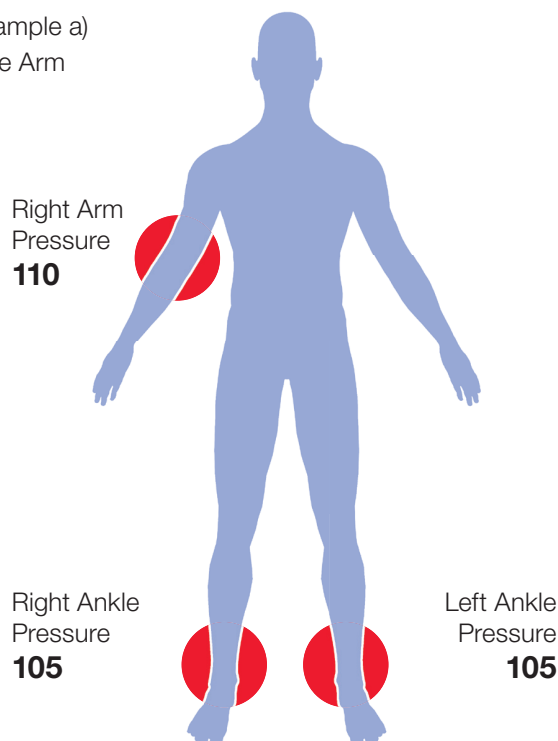


# Ankle Brachial Index

Why it is essential to measure both arms

# HUNTLEIGH

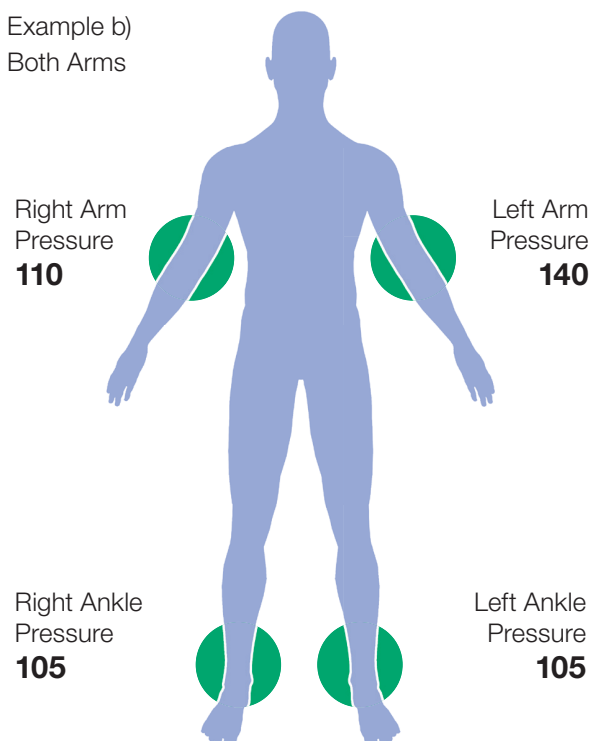
Example a)  
One Arm



Ankle Brachial Pressure:  $\frac{105}{110} = 0.96$



Example b)  
Both Arms



Ankle Brachial Pressure:  $\frac{105}{140} = 0.75$



You would **INCORRECTLY** compress

You would **NOT** compress

Current guidelines specify you should measure both arm pressures and take the highest. (NICE, ESC, ACC/AHA, TASC2 and Aboyans et al\*)

Otherwise:

- You could misdiagnose PAD (Vowden & Vowden; 2018)\*\*
- You could apply compression to a patient with PAD which could lead to an adverse incident (Vowden & Vowden; 2018)\*\*
- You should always follow evidence based practice
- Automatic systems which measure the pressure in only one arm contradict the guidelines and may miss or incorrectly classify cases of PAD.



Dopplex Ability is an automatic ABI system that correctly measures systolic pressures in all four limbs.



Join the conversation @huntleighdiag #correctABI #2arms

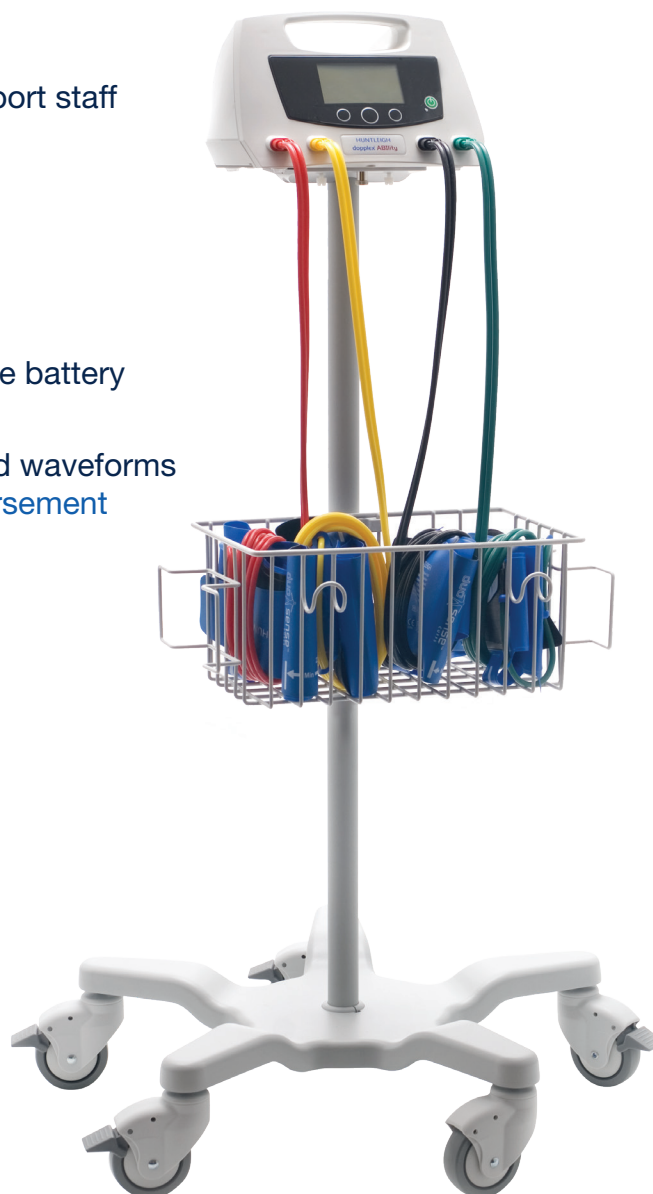
For more information contact 029 2048 5885 or visit [www.huntleigh-diagnostics.com](http://www.huntleigh-diagnostics.com)  
Huntleigh Healthcare Ltd. 35 Portmanmoor Rd. Cardiff. CF24 5HN

\* NICE, CG147 (Peripheral arterial disease: diagnosis and management 2018); ESC - European Society of Cardiology (Guidelines on the Diagnosis and Treatment of Peripheral Arterial Diseases, in collaboration with the European Society for Vascular Surgery, European Heart Journal, 2017); ACC/AHA - American College of Cardiology/American Heart Association (Guideline on the management of Patients with Lower Extremity Peripheral Artery Disease, Circulation, 2017); Measurement and Interpretation of the Ankle-Brachial Index (Aboyans et al, Circulation, 2012); TASC2 - Inter-Society Consensus for the Management of Peripheral Arterial Disease (Journal Of Vascular Surgery, 2007)

\*\* Vowden P & Vowden K (The importance of accurate methodology in ABPI calculation when assessing lower limb wounds, BJCN, 2018)

# 10 reasons why you should have the dopplex® ABILITY

1. Extremely easy to use and fully automatic  
Minimal training required
2. No need to rest patient for 15 mins  
Reduces total test time
3. Rapid bi-lateral ABI measurement in 3 mins  
Doppler based ABI typically takes 30 mins  
Simultaneous measurements reduces time
4. ABI can now be undertaken by healthcare support staff  
More cost effective measurement
5. No need to remove patient's socks or tights  
Maintains patient comfort and dignity
6. Easy to apply 4 cuff system  
Improves patient experience
7. Portable and powered by mains or rechargeable battery  
For home or clinical environments
8. Integral printer for documentation of results and waveforms  
Instant hard copy for patient notes and reimbursement
9. Automatic interpretation of ABI  
Reduces operator error
10. Accurate reproducible results  
Clinically proven by recent studies



**FULLY COMPLIANT WITH MBS ITEM 11610<sup>1</sup>**

Fee: \$67.35 Benefit: 75% = \$50.55 85% = \$57.25

<sup>1</sup> All Medicare Benefits Schedule (MBS) item rebates are subject to compliance with the MBS information. It is the responsibility of the user to ensure full compliance with the MBS. Visit <http://www.mbsonline.gov.au> for full up to date MBS information.



BP Medical (WA) | [www.teammed.com.au](http://www.teammed.com.au)  
PHONE 1300 33 55 60 | [info@bpmedical.com.au](mailto:info@bpmedical.com.au)

All prices are subject to 10% GST unless marked with \* (GST Free)



Team Medical | [www.teammed.com.au](http://www.teammed.com.au)  
PHONE 1300 22 44 50 | [info@teammed.com.au](mailto:info@teammed.com.au)

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dopplex® ABILITY Automatic Ankle Brachial Index System

HUNTLEIGH

Automatic Ankle Brachial Index (ABI) System

The Dopplex Ability has revolutionised the ABI process and provides fully automatic, easy, fast and accurate measurements. It requires minimal training and provides rapid bilateral ABI measurements in just 3 minutes.

Unique patented two chamber cuff design measures systolic pressures using duo sense™ pneumatic technology based on Volume Plethysmography.

- Fully automatic, easy, fast and accurate measurements
- Minimal training required
- Patients do not need to be rested for 15 minutes
- Easy to apply 4 cuff system, can be applied over patients socks or tights
- Mobile stand available
- Automatic calculation of results
- Records the highest ankle pressure in all 3 arteries
- PVR Waveforms (Pulse Volume Recordings) are also generated for accurate diagnostics
- Superior to other automatic systems especially in detecting low ankle pressures and ABIs, can detect an ABI from 0.29 - 1.57



warranty:  
2 years on unit  
1 year on  
cuffs, battery &  
accessories



Visit our website to watch the product video



Dopplex Ability - Stand Alone Unit

The Dopplex Ability provides an immediate printout of results from the integral printer. Its portability enables measurements to be made anywhere in your primary care clinic.

\$4995

Supplied with one set of standard cuffs, two rolls of paper, pack of sleeves, mains cable and instructions for use

Dopplex Ability eABI - PC Based Unit

A USB connects the eABI device to your PC. The DR4 software provided with the unit records the results and creates a PDF for importation into your Medical software. It's a more economical option having a lower buy price and no ongoing cost for printing paper.

**\$4295** **Supplied with FREE DR4 software. (5 licenses per unit)**

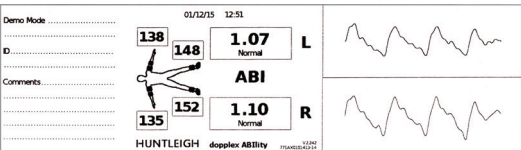
The Dopplex eABI is supplied with one set of standard cuffs, DR4 Software (5 licenses for Free), pack of sleeves, 2 metre mini-USB to standard USB cable, mains power cable and training pack.

	Printer	Battery Power	A/C Power	DR4 Software	PC Connection Required	4 Cuffs	No rest for patient	Based on volume Plethysmography
Dopplex Ability	✓	✓	✓			✓	✓	✓
Dopplex eABI			✓	✓	✓	✓	✓	✓

Pictorial Evidence

International Guidelines (ESC, 2011) state that ABI should be undertaken on patients with suspected PAD as first line test and PVR waveforms as second line test.

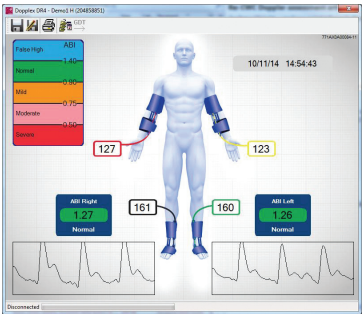
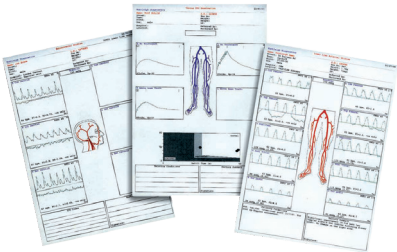
The Dopplex Ability printout provides both of these requirements on one unique printout to aid the clinician in their diagnosis.



Documentation/Reporting

Dopplex Reporter 4 Package enables automated ABI's to be undertaken and saved in a patient database. It also provides full page documentation hard-copy printouts and PDF file capability for interfacing to Electronic Patient Record Systems.

HUNDR4 \$795



DR4 software is supplied free of charge with e-Ability. (5 licenses per unit)

Accessories

Fixing plate	Allows easy fixing of the unit to trolley, wall mount and couch bracket		HUNVAS012	\$56.70
Trolley	5 castor adjustable height trolley with tube management and integral basket for storage (requires fixing plate)		HUNVAS013	\$695.00
Carry Bag	Lightweight, durable case holds main unit, power cable, cuffs and tubing		HUNVAS015	\$135.00
Sleeves	Disposable sleeves to aid as infection control barrier between cuff and patient limbs	Box/100	HUNACCVAS016	\$56.70
Paper	Standard Thermal Paper	Roll	HUNACCVAS017	\$16.15
Paper	Self Adhesive Thermal Label Paper	Roll	HUNACCVAS019	\$22.85



For more accessories visit our website [www.teammed.com.au](http://www.teammed.com.au)  
Search for "Ability" and see the full range of spares



DOPPLER ABI	PLETHYSMOGRAPHIC ABI (Dopplex Ability)	OSCILLOMETRIC ABI
> 1.3	✓	✓
1.0 - 1.3	✓	✓
0.8 - 0.99	✓	✓
0.5 - 0.79	✓	✗
< 0.5	✓	✗



The Ability Doppler uses true volume Plethysmographic technology

The Ability Doppler can be used to attract the Medicare Rebate for Ankle Brachial Index Assessment; item no 11610. In purchasing a Huntleigh Ability, you can have peace of mind that your unit meets all the requirements to perform a successful ABI reading and qualify for all parts of the rebate description. The Dopplex Ability test takes less than 5 minutes per patient. The Dopplex Ability is therefore not only a great clinical addition but also a commercial value-add.

MEDICARE REBATE #11610

MEASUREMENT OF ANKLE: BRACHIAL INDICES AND ARTERIAL WAVEFORM ANALYSIS, measurement of posterior tibial and dorsalis pedis (or toe) and brachial arterial pressures bilaterally using Doppler or plethysmographic techniques, the calculation of ankle (or toe) brachial systolic pressure indices and assessment of arterial waveforms for the evaluation of lower extremity arterial disease, examination, hard copy trace and report.

# All Medicare Benefits Schedule (MBS) item rebates are subject to compliance with the MBS information. It is the responsibility of the user to ensure full compliance with the MBS. Visit <http://www.mbsonline.gov.au> for full up to date MBS information.



# HUNTLEIGH Vascular Assessment Range

## Dopplex DMX Digital Doppler with Waveform

The Bi-Directional waveform is uniquely generated from the digital Doppler spectrum. It gives the clinician objective evidence to assist in the diagnosis of vascular disease that other Dopplers may find difficult or impossible to achieve. The algorithms optimise the presentation of waveforms and enhance the quality of sound using the unique Dynamic Digital Noise Reduction (DDNR) system and gel filter. Doppler sound recording and playback is just one of the many new features in this state-of-the-art digital Doppler unit.

The key features of the DMX are:

- High Resolution Colour Display
- Bi-directional Waveform generated from the Digital Doppler Spectrum with Audio Scaling features
- Data Storage on Micro SD Card  
Store waveforms and sounds for review or transfer to optional DR5 software package for printing reports and archiving.
- Integrated Charging & Connectivity
- High Sensitivity Interchangeable Probes
- Dynamic Digital Noise Reduction

Choose from the handy ABI or ATP kit  
Alternatively the DMX doppler and probes can be purchased separately.

**HUNDMX \$849**  
(base unit only; probes not included)

The DMX Vascular doppler connects to multiple High Sensitivity Probes.  
See the accessories brochure on our website

For more information download the product brochure from our website



ABI pressures confirmed with waveforms



### EZ8 XS High Sensitivity 8MHz Widebeam Probe

Wide beam 8MHz probe allows for easy location of vessels.  
Easier to maintain vessel contact during inflation and deflation.

**HUNEZ8XS \$475**



### MEET OUR TEAM: KELLY MANAGEMENT - NSW

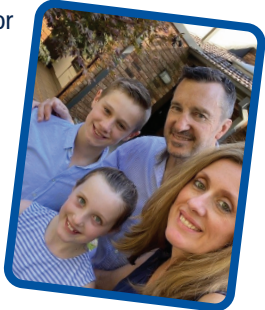
Kelly has been with Team Medical for 5 years as our Accounts and Human Resources(HR) Manager. The glass is permanently half full with Kelly; you'll often find her radiating fun and positive energy around the office.

She enjoys yoga, running, cooking for friends and family, and drinking champagne in her spare time. She likes to say words backwards and remember number plates for fun and cringes when she spots a spelling mistake (let's hope there isn't any here).

**What was the last live concert/performance that you went to?**  
9 to 5 the Musical with my Mum and Sister.

**What is your favourite takeaway food?** Thai Red Curry

**Next Holiday?**  
Three weeks with my family in the UK and France. My husband and I met when living and working in London, and we're looking forward to revisiting some of our favourite spots with our kids.



Dopplex® ATP  
Ankle & Toe Pressure Kit

The Ankle and Toe Pressure (ATP) kit is a unique combination of the DMX Doppler, probes and accessories providing the Vascular, Diabetic or Lymphatic specialist with a system to aid the assessment of arterial disease and neuropathy. The Arterial Plethysmography (APPG) probe easily attaches to the DMX Doppler unit by simply swapping your Doppler probe with its adaptor.

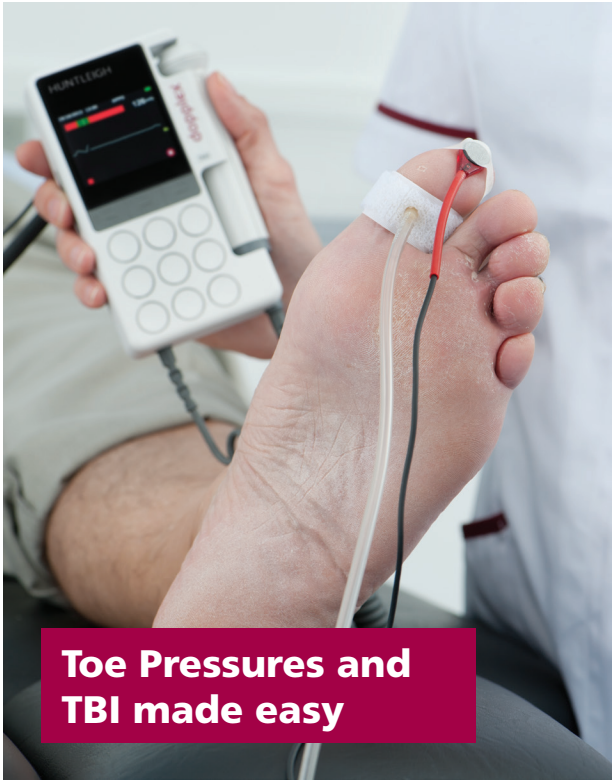
Arterial systolic pressure can be rapidly measured in patients with incompressible ankle arteries and can be repeated on the arms to determine the TBI. The internal pressure sensor in the adaptor provides a direct pressure reading on the Doppler display. PPG waveforms and pressures can be stored on the internal memory and reviewed at any time. Additionally the waveforms and pressures can be transferred to the DR5 software package.

ATP Kit includes:

- DMX digital Doppler
- Medical grade recharging kit
- EZ8XS widebeam 8MHz Doppler probe
- APPG probe and adaptor
- Toe cuffs & inflator
- Arm/Ankle cuffs (standard and large: latex free)
- Trigger operated sphyg
- Neuropen & box of tips (includes 10g monofilament)
- Educational CD
- Large carry bag



warranty:  
3 years on unit  
1 year on probes & accessories



Toe Pressures and  
TBI made easy

HUNATPKIT

\$2495



EZ8XS Widebeam 8MHz Probe

Incorporates wide beam technology. Easier location of vessels. Easier to maintain contact during inflation and deflation.



APPG Probe

Arterial Plethysmography (APPG) probe easily attaches to the DMX Doppler unit by simply swapping your Doppler probe with it's adaptor.

Dopplex DR5 Reporting Software

Dopplex DR5 is a unique vascular reporting software package for use in conjunction with the Dopplex DMX. It allows real time visualisation of waveforms on a PC. An unlimited number of traces can be transferred and stored for reviewing, archiving and printing.

- Displays Doppler colour spectral waveforms in real time
- Replay of Doppler waveforms and flow separated sounds
- An integral database for patient data storage and Doppler sound files
- The facility to package tests together and email them for review
- Storing an unlimited number and length of traces per session
- A PDF generator enables the final reports to be saved and transferred to an external EPR system
- Calculate Doppler indices and flow rate



HUNDR5 \$850

[www.huntleigh-diagnostics.com](http://www.huntleigh-diagnostics.com)

Note: Dopplex DR4 is also available for display of waveforms and data from the MD200 and Dopplex Ability - see page 94

HUNTLEIGH

Need more information? Visit our website or call our team.  
We are here to look after your team.





NOW YOU GET TO SEE  
WHAT YOU ARE HEARING

HUNTLEIGH ★★★★★ PREMIUM PRODUCT

...a new dimension in sound and vision



SR2 2MHz Foetal Doppler

Rate and Trace Display Doppler with fixed 2MHz waterproof probe

Now you can see the benefit of visual presentation of fetal heart rate in both numeric and trace views, providing you with added clinical reassurance.

- **Big Numbers and Trace View Modes**  
Viewed clearly even in bright conditions on a high definition colour display
- **Improved Performance**  
Specially designed high performance probes are optimised to perform in early gestation
- **Improved Audio**  
Reduced background and probe placement noise assists in quicker location of the foetal heart
- **Enables Documentation of Intermittent Auscultation**  
Communicates with viewing & archiving software
- **Record and Playback FHR Data with Audio**  
Using internal data storage, an added aid for training (Requires an SD card, optional extra)

This high sensitivity handheld Digital Doppler is intended for general purpose screening of the foetal heart at all stages of pregnancy from as early as 8-10 weeks, right through to labour. The attached probes are waterproof (IPX7) for high sensitivity FHR detection in both normal use and in water birth monitoring.

**HUNSR2 \$995** Supplied complete with: gel, soft carry bag, user manual, uses 2 x AA batteries (included)

Also available  
**SR3 3MHz Foetal Doppler**  
The 3MHz probe is the probe of choice for many clinicians for use in early gestation (6-8 weeks).

**HUNSR3 \$995**



Watch the video explaining  
Intelligent Intermittent  
Auscultation.  
Scan the QR code.

