



mTABLET: ASSESSING AND TREATING VLUS

COLLABORATIVE SELF-CARE IN VENOUS DISEASE:

INTRODUCING MESI mTABLET ABI

23 NOVEMBER
2020

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LUNCHTIME
13:00 - 13:45



MESI mTABLET

Assessing and treating venous disease and delivering collaborative self-care

Barriers to traditional ABPI assessment

- Skill set
- Time
- Unpopular task
- Requires multiple pieces of equipment
- Sensitive to human error
- Compliance (patient)

Improving treatment outcome

Diagnose disease early



Successful individualised patient pathway



Avoid serious consequence/harm/cost



Identifies the need for onward referrals



Optimise best outcomes

The FACTS

- 1.5–3% of the adult population have a leg ulcer
- £5.3 billion
- Recent survey found 40% had not had an assessment/diagnosis
- 31% VLU not receiving optimal treatment
- Inadequate resources, equipment, training and time
- Inconsistent and variation in care/services across the NHS
- Harm

MESI MD ABPI



MESI mTABLET



reddot design award
winner 2018



MESI mTABLET ABI

ABI

Ankle-Brachial Index

BP

Blood pressure

DBP

Dual blood pressure

aBP

Average blood pressure

cBP

Central blood pressure

PWV

Pulse wave velocity



ABI



Features and key advantages

- Automated, safe **3CUFF™ technology** offers **simultaneous measurements** in one minute
- **Smart arm™ detection** — determines the higher blood pressure of the two arms
- **Pulse waveform** and oscillation graph review on all extremities
- Advanced report review and alerts of severe disease due to **PADsense™ algorithm**
- **Pre-shaped wireless cuffs** in different sizes
- **Automated TBI extension available**

MESI mTABLET TBI

TBI

Toe-Brachial
Index

BP

Blood pressure

cBP

Central blood
pressure

aBP

Average blood
pressure



TBI



Features and key advantages

- One step, **automatic**, one-minute measurement
- **Simultaneous** measurement of **arm** and **toe** pressure
- **Automatic calculation** of TBI, with oscillation graphs and PPG pulse waveform review
- Adaptive LED **PPG lighting** and integrated **temperature** sensor
- **Colour-coded** pressure hoses with custom toe system, disposable toe cuffs available
- Easy **transition** from an **ABI measurement** for complete arterial assessment

Photo App

PHOTO



Hosiery Hunter[®] App

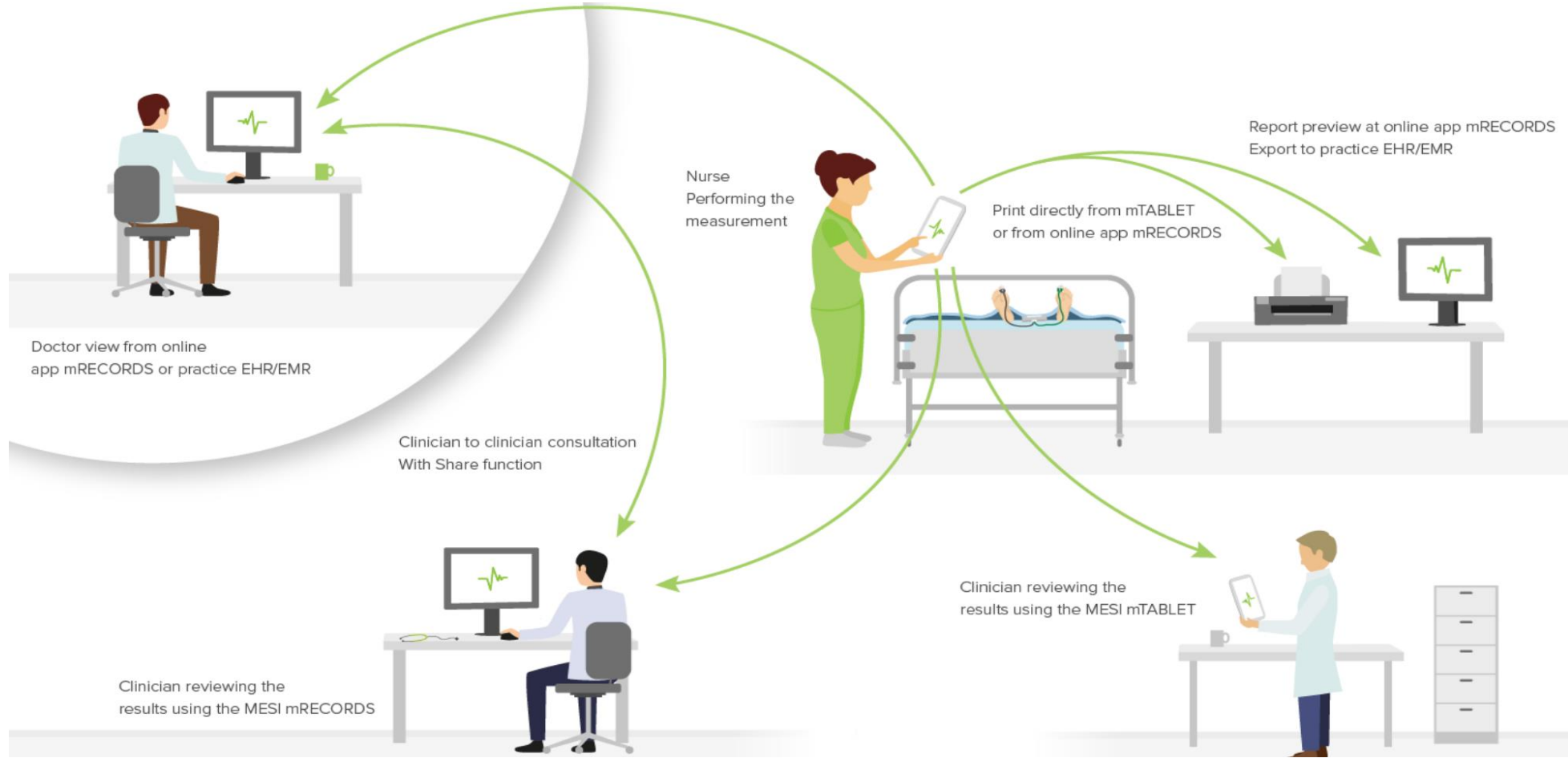
- Choosing the correct style, fabric and size of compression therapy — venous disease/signs and symptoms
- Comfort for long-term concordance
- An intuitive digital tool
- Simplify and assist the practitioner
- Comes with every mTABLET system

Choose all your patient's clinical symptoms

You can choose more than one symptom.

 <p>Ankle flare / spider veins The veins are struggling to perform and have become blue, purple or red in hue and are visible just beneath the skin's surface.</p>	 <p>Varicose veins Veins become stretched and enlarged, due to poor venous return and associated high pressure. They become painful and are visible beneath the skin as blue coloured, distorted and enlarged veins.</p>
 <p>Venous Oedema Develops due to leaky veins not being adequately treated. Fluid builds up in the tissue spaces and the skin may become stretched and shiny.</p>	 <p>Hemosiderin staining Appears on the gaiter region of the leg as brown/red discoloration. This is due to blood leaking into the tissues and may gradually spread up the leg and/or just below the knee. Staining is common.</p>
 <p>Varicose eczema A skin condition associated with varicose veins. It is due to a buildup of impurities (leaked blood from the veins) under the skin causing itching and dryness. Scratching often breaks the skin and the cycle becomes negative.</p>	 <p>Lipodermatosclerosis is Lipodermatosclerosis occurs with hardened, indurated tissue. The ankle is very small but the calf is wide. The shape is likened to an inverted champagne bottle.</p>
 <p>Atrophie blanche Occurs when tiny blood vessels below the skin are severely damaged or die, giving rise to sores on the skin. Scattered tissue with an irregular shape appears which is very white and atrophied with red sore.</p>	 <p>Healed venous leg ulcers When the skin of a previous active venous ulcer heals, and brownish tissue is replaced by normal tissue. Scar tissue may be visible initially.</p>
 <p>Active venous leg ulcers These are open wounds a result of venous hypertension and damaged veins. They most commonly appear in the gaiter region of the leg and especially the medial or lateral malleolus. Their shape is irregular with flat edges.</p>	 <p>Lymphoedema / chronic oedema diagnosis Lymphoedema is a swelling caused by direct damage to the lymphatic system. It can be the result of surgery, infection or fibrosis. When there is no cure but compression can improve the condition.</p>



New concept in action

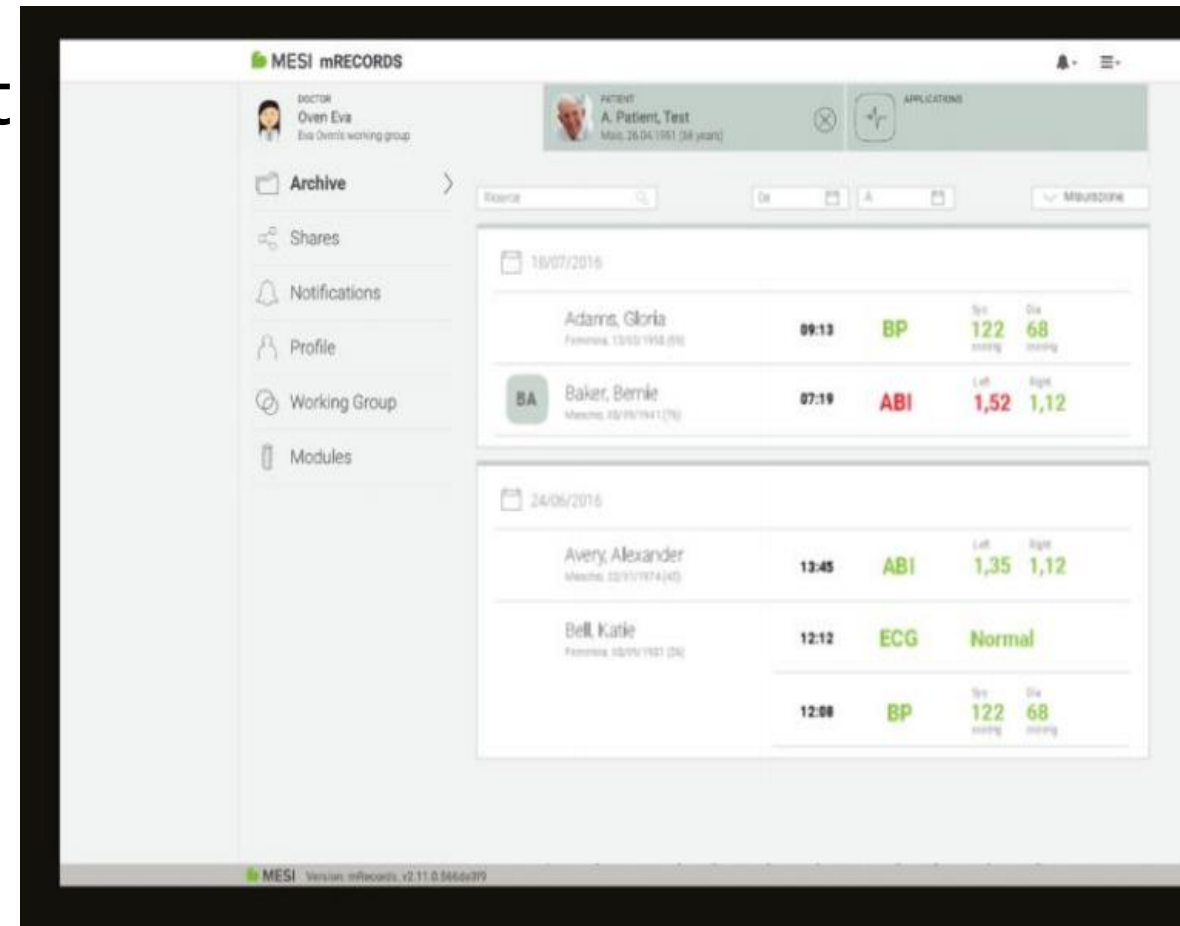


MESI mRECORD

- Smart, secure report management



-  Share function
-  Save to pdf
-  Quick print



Complete arterial assessment

Complete arterial assessment

Ankle-Brachial Index

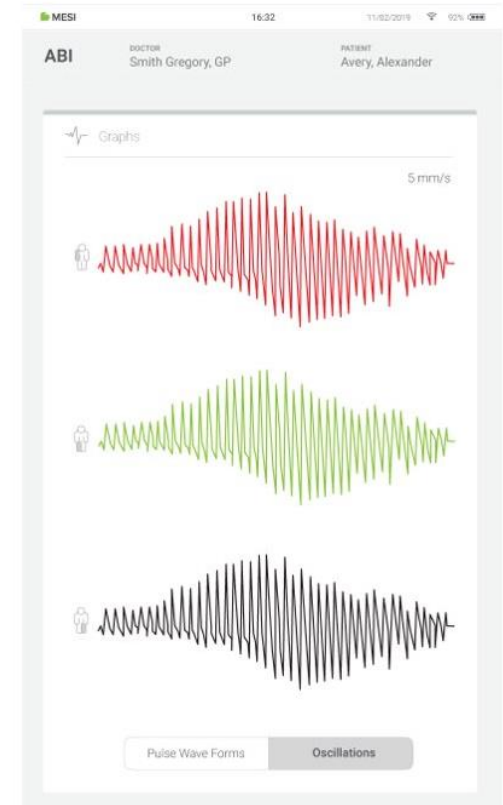
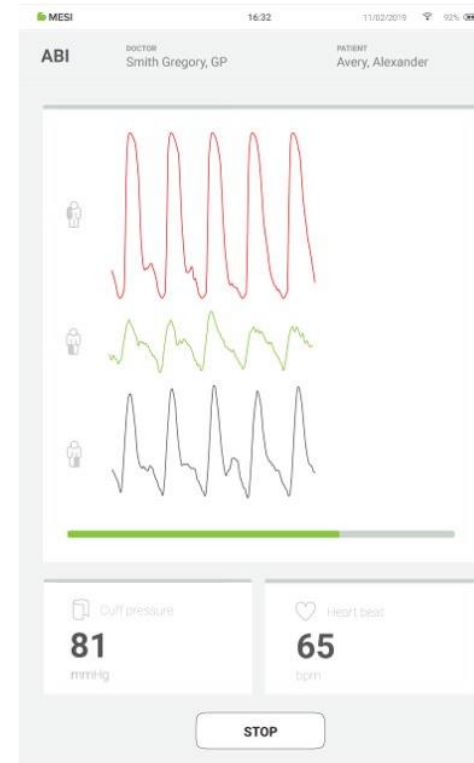
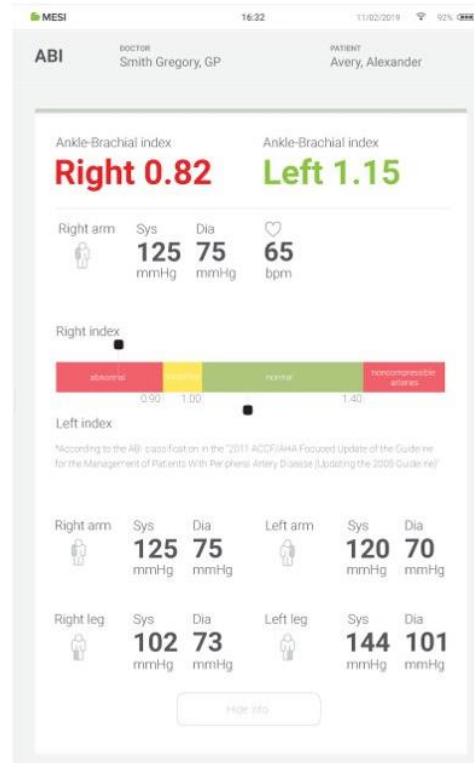
Toe-Brachial Index



Results displayed

ABI result

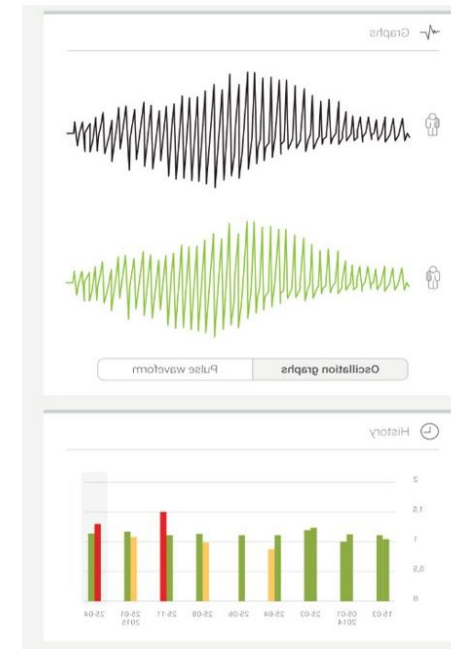
- Navigation bar
- Numeric result
- PAD reference scale
- Pulse Waveform
- Oscillation graph
- History



Results displayed

TBI result

- Navigation bar
- Numeric result
- PAD reference scale
- **PPG Pulse Waveforms**
- Pulse Waveform
- Oscillation graph
- History



MESI mTABLET

- Releasing more time to focus on your patients' identified needs
- Enables you to deliver collaborative self-care/education
- Automatic reference scale — preventing misunderstanding in results
- Access to immediate advice on treatment if unsure
- Quick and easy to use
- Provides you with reports — easy access — share
- Expand the potential of care examinations — add on modules
- 12 lead ECG — pulse oximetry — spirometry — protocol app

MESI mTABLET in action

THEORY



PRACTICE

Time

Holistic assessment

Education

Reporting as part of MDT

Digital age

In action



Delivering supportive self-care

- Referral in, added to waiting list
- Detailed telephone triage
- Clinical assessment
- Hosiery selection
- Documentation
- Onward referrals

Supported self-care document



Supported Self-Care Information Booklet



Example

- Our service assessed **25** new patients in the month of October
 - **13** were able to take part in supportive self-care
 - **5** were discharged and added to 6 monthly well leg clinic
 - Since adopting this approach = increased concordance seen
-
- National wound care strategy programme (NWCSP)
 - CQUIN
 - Gold standards of care

Call for action

For further information, please contact:
enquiries@mediuk.co.uk

Or visit: www.mediuk.co.uk





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www.jcn-live.co.uk/virtual-lunch-meeting