

Automated Vascular Doppler Recorder for ABI / TBI

VERSALAB[®] Auto

The Ankle Brachial Index (ABI) is a measure of the severity of atherosclerosis in the legs but is also an independent indicator of the risk of subsequent atherothrombotic events elsewhere in the vascular system. The ABI may be used as a risk marker both in the general population free of clinical CVD and in patients with established CVD.

Pulse volume recording, also known as air Plethysmography, is a noninvasive test that measures blood flow within the blood vessels or arteries. The first sign of possible abnormality is the absence of the dicrotic notch. More significant occlusions will show a decreased slope of the ascending and descending segments and a rounding of the systolic peak. More serious obstructions will show flattened waveforms.

A photoplethysmogram (PPG) is an optically obtained Plethysmogram, a volumetric measurement of an organ. The PPG Toe blood pressure and related Toe Brachial Index (TBI) are performed to assess the vascular condition of the foot by obtaining systolic pressures at the toe. Toe pressures may be useful in cases of unsuspected vascular disease and in baseline diabetic foot assessment where falsely high ankle pressures can occur due to calcification of tibial vessel.

VERSALAB Auto is capable of conducting ABI, TBI, PVR, Segmental Doppler, Upper Extremity Exam, Carotid and Penile Doppler studies.

FEATURES:

- ◆ Automated Ankle Brachial Index and Toe Brachial Index
- ◆ Doppler (C.W) with 8MHz Transducer
- ◆ Photo Plethysmography (PPG) Toe sensor
- ◆ ABI/TBI/PVR/Segmental BP/Upper Extremity Doppler
- ◆ Large LCD screen to display parameter
- ◆ Silent pump measures the systolic BP
- ◆ Segmental cuffs with toe cuff
- ◆ Penile flow study
- ◆ Software for complete arterial vascular profile
- ◆ Computer connectivity enabled
- ◆ Software for data transfer, storage and patient report
- ◆ Software supports Windows Xp(SP3)/ Win 7/ Win 8/ Win10
- ◆ Standards matching International standards

Diabetic Foot Care India Pvt Limited

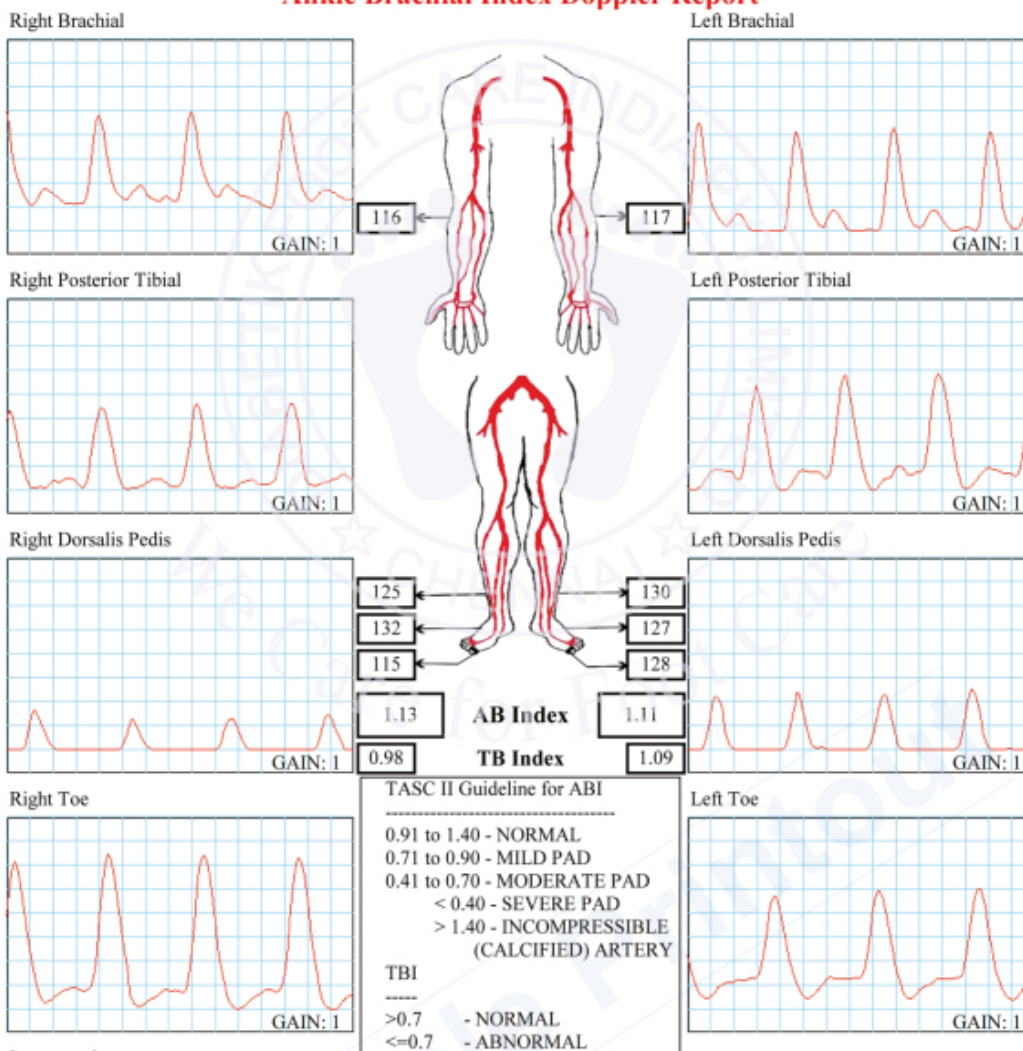
No.18/1, Kannappanagar, 3rd Main Road, Thiruvanniyur, Chennai - 600 041

Tel - 91-44-43564129/32514129 E-mail : mesmedi@gmail.com

ID : 311220141452
Name : Mr.Manikandan
Age : 56 Yrs

Gender : MALE
Date : 02/Jan/2015
Referral : Dr.Amudhan

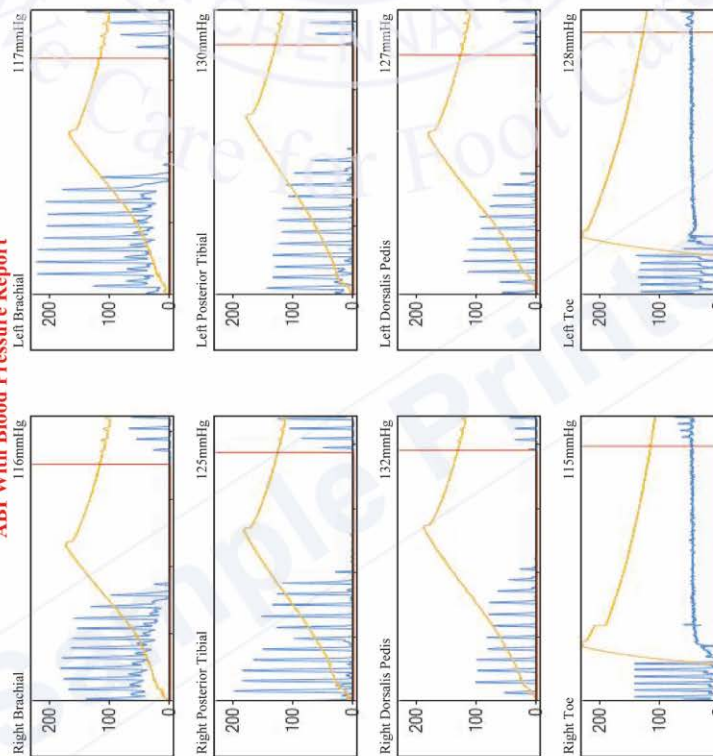
Ankle Brachial Index Doppler Report



ID : 311220141452
Name : Mr. Manikandan
Age : 56 Yrs

Gender : MALE
Date : 02/Jan/2015
Referral : Dr. Amudhan

ABI With Blood Pressure Report



	Right	Left
ABI	1.13	1.11
TBI	0.99	1.09

Consultant: Dr. PameerSelvam
Specialisation: Diabetologist

Examiner: Kumar A

Noted recorded

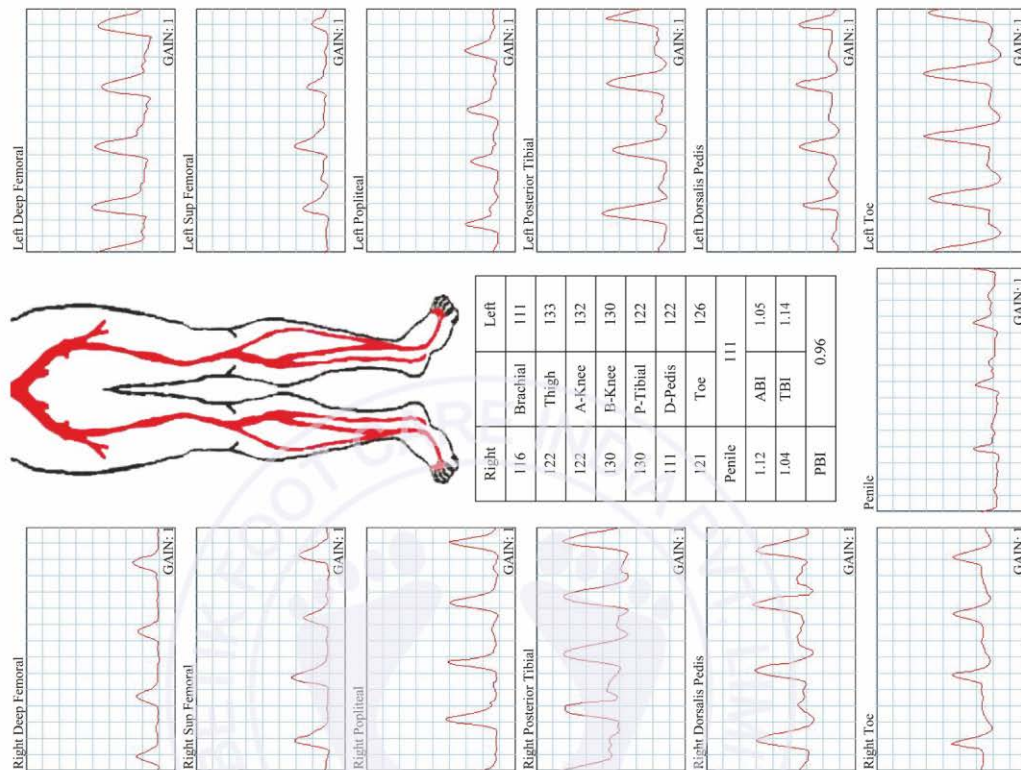
Recorded only Versatile

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ID : 020120151628
Name : Mr. Theri
Age : 56 Yrs

Gender : MALE
Date : 02/Jan/2015
Referral : Dr. Amudhan

Segmental Pressure Doppler Report



Recorded only Versatile

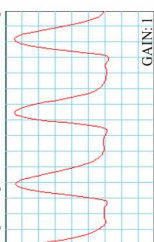
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ID : 311220141452
Name : Mr. Manikandan
Age : 56 Yrs

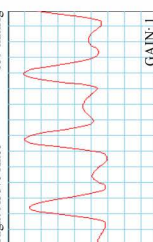
Gender : MALE
Date : 02/Jun/2015
Referral : Dr. Amudhan

Segmental PVR Report

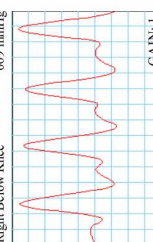
Right Thigh 066 mmHg



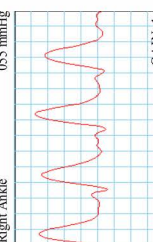
Right Above Knee 059 mmHg



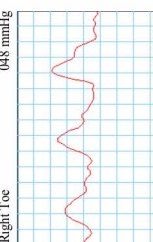
Right Below Knee 069 mmHg



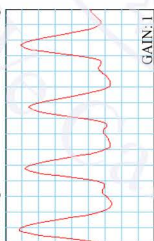
Right Ankle 055 mmHg



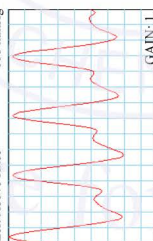
Right Toe 048 mmHg



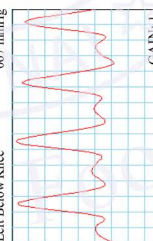
Left Thigh 066 mmHg



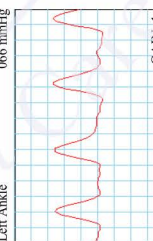
Left Above Knee 068 mmHg



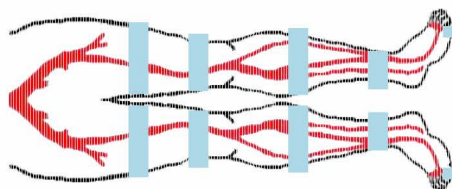
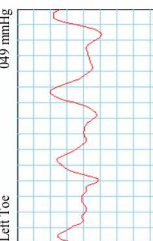
Left Below Knee 067 mmHg



Left Ankle 066 mmHg



Left Toe 049 mmHg

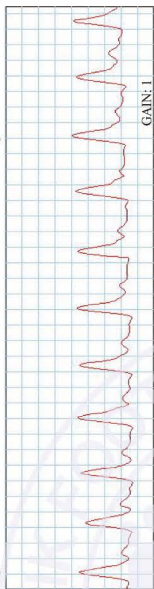


ID : 020120151628
Name : Mr. Jithen
Age : 56 Yrs

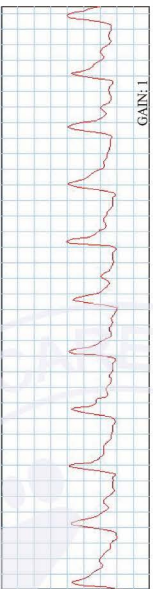
Gender : MALE
Date : 02/Jun/2015
Referral : Dr. Amudhan

Penile Brachial Index Doppler Report

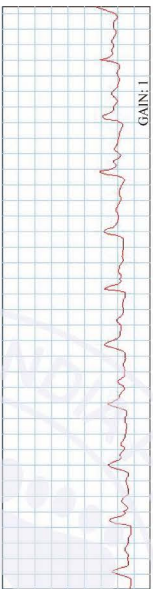
Right Brachial BP: 118 mmHg



Left Brachial BP: 117 mmHg



Penile BP: 104 mmHg



SITE	mmHg	PBI
R.Brachial	118	0.88
L.Brachial	117	
Penile	104	

PBI $\geq$ 0.7 - Normal; PBI $<$ 0.7 - Abnormal

Consultant: Dr. Pameer Selvam
Specialisation: Diabetologist

Examiner: Amudhan

Not Not Recorded

Recorded using Vasuda

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