

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

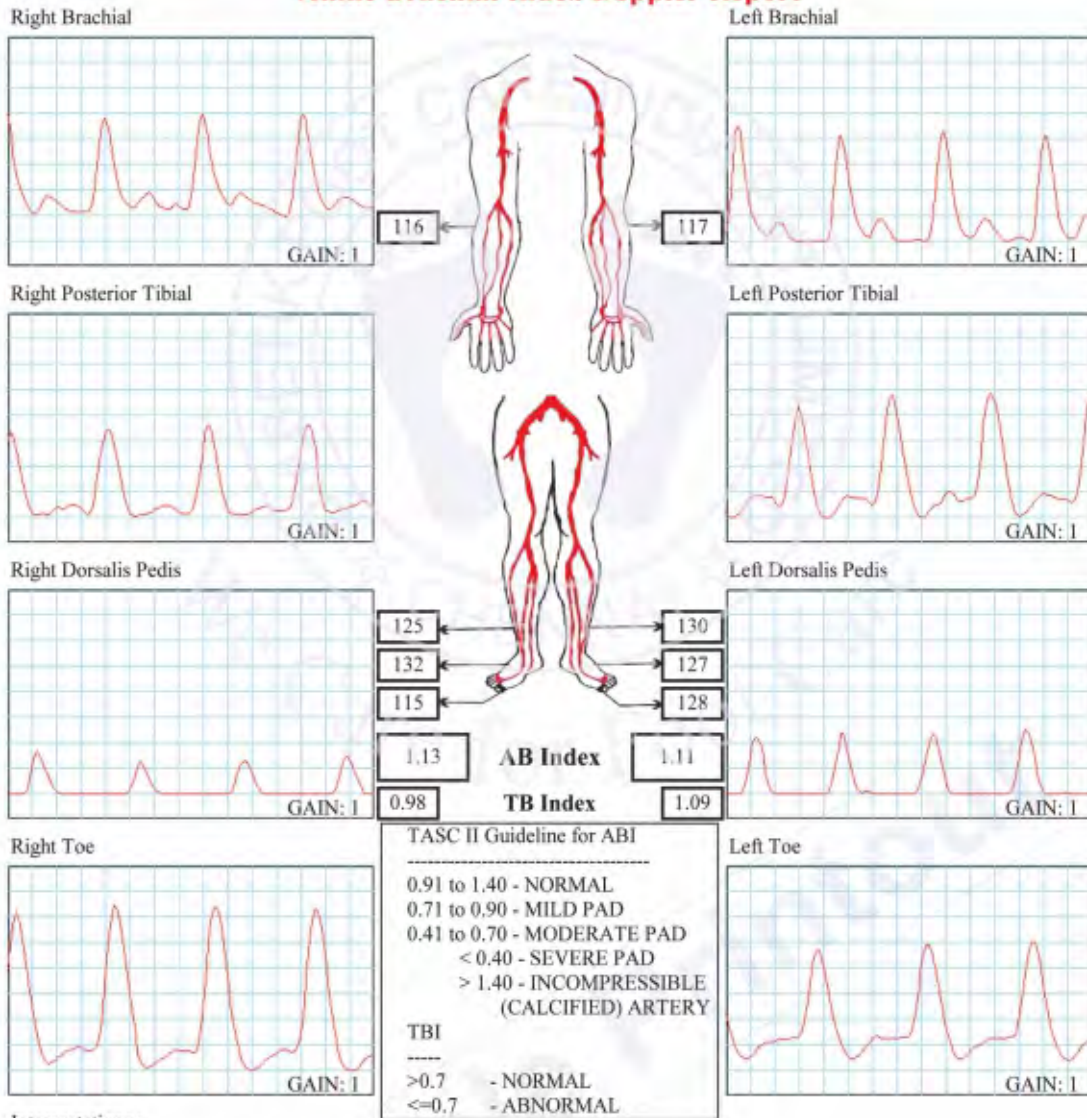
Diabetic Foot Care India Pvt Limited

No.18/1, Kannappanagar, 3rd Main Road, Thiruvannamiyur, 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



Interpretations :
 Normal ABI study. Results to be clinically correlated.

Consultant: Dr.PanneerSelvam
 Specialisation: Diabetologist

BP values more than 220mmHg will not taken for ABI calculation.
 Examiner: Kumar A

NR-Not Recorded

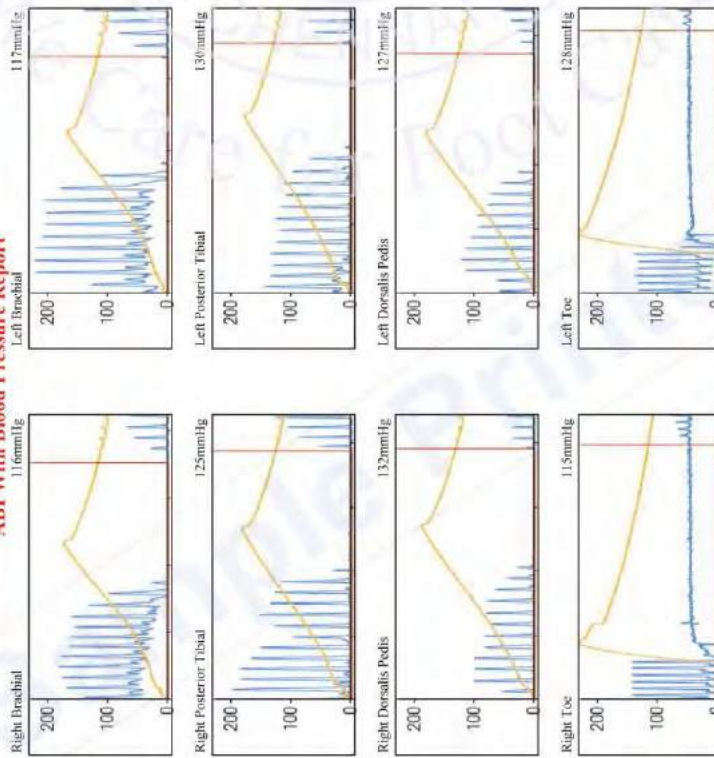
Recorded using Venalab

www.diabeticfootcareindia.com

ID : 31122041452
 Name : Mr. Manikandan
 Age : 56 Yrs

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

ABI With Blood Pressure Report



	Right	Left
ABI	1.13	1.11
TBI	0.99	1.09

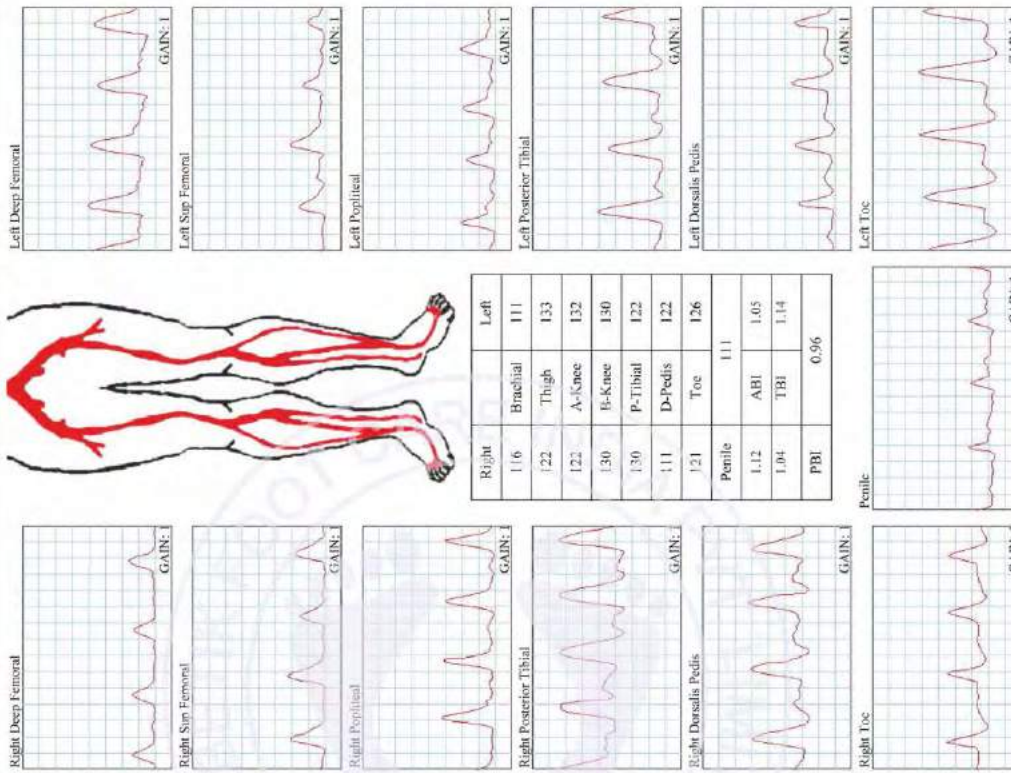
Consultant: Dr. PameerSelvam
 Specialisation: Diabetologist

Examiner: Kumar A

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

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

Segmental Pressure Doppler Report

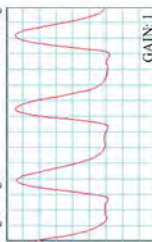


ID : 311220141452
 Name : Mr. Manikandan
 Age : 56 Yrs

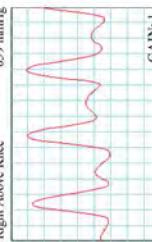
Gender : MALE
 Date : 02/Jan/2015
 Referral : Dr. Amudhan

Segmental PVR Report

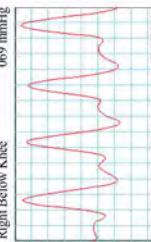
Right Thigh : 066 mmHg



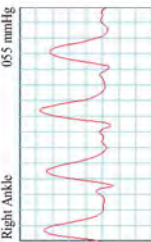
Right Above Knee : 059 mmHg



Right Below Knee : 069 mmHg



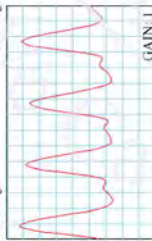
Right Ankle : 055 mmHg



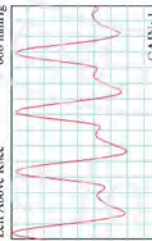
Right Toe : 048 mmHg



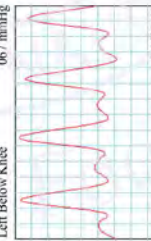
Left Thigh : 066 mmHg



Left Above Knee : 068 mmHg



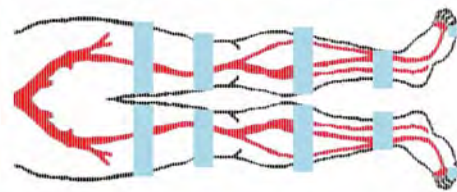
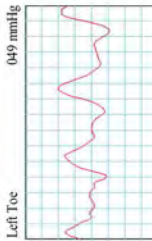
Left Below Knee : 067 mmHg



Left Ankle : 066 mmHg



Left Toe : 049 mmHg

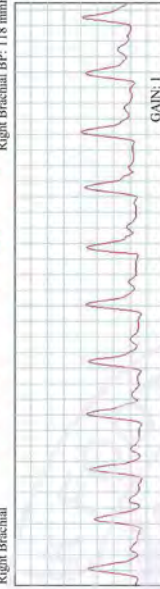


ID : 02020151628
 Name : Mr. Thero
 Age : 56 Yrs

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

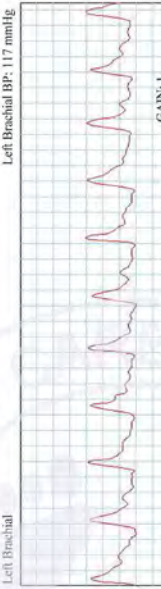
Penile Brachial Index Doppler Report

Right Brachial



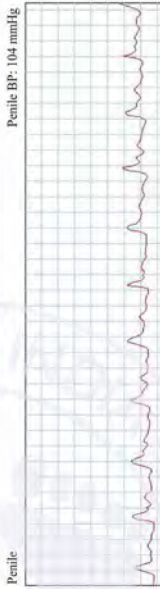
Right Brachial BP: 118 mmHg

Left Brachial



Left Brachial BP: 117 mmHg

Penile



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. Pauneer Selvam
 Specialisation: Diabetologist

Examiner: Amudhan

For more information contact



Diabetic Foot Care India Pvt Limited

No.18/1, Kannappanagar, 3rd Main Road, Thiruvanniyur, Chennai-41, INDIA.
 Tel - 91-44-4356 4129 / 4359 0510 / 93806 21607
 E-mail: mesmedi@gmail.com; elango@mesmedi.com
 URL: www.diabeticfootcareindia.com; www.diabeticneuropathy.co.in