

INTERPRETATION REPORT

Gender: Female
Age: 61 (DOB: Dec 4 1958)

Weight: 152 lbs
Patient Code:

Height: 5 ft 6 in
BMI: 24.5

Physician Only Report
Exam Date: Feb 18 2020 15:17
Referral Physician

Sudomotor Neuropathy: Normal Sudomotor Function. No neuropathy detected.

Aterial Vascular Assesment - Segmental Analysis:

Right Ankle/Brachial Index: Abnormal ABI. Schedule bilateral arterial dopplers of lower extremities. (PVD)

Left Ankle/Brachial Index: Normal

Autonomic Balance: Normal

Autonomic Orthostatic Tests:

Systolic Pressure Response to Standing: Orthostatic hypotension is present on testing. Clinical correlation is advised.

30/15 Ratio: Orthostatic hypotension is present on testing. Clinical correlation is advised.

Cardiovagal Reflex Tests:

E/I Ratio: Normal

Valsalva Ratio: Normal

Body Mass Index (BMI): Normal

Cardiovascular System:

Abnormal Heart beats: Normal

Ventricular Extrasystole: Normal

Atrial Extrasystole: Normal

Peripheral Vascular System:

Ejection Elasticity Index: Normal

Dicrotic Dilation Index: Normal

Dicrotic Elasticity Index: Normal

Blood Pressure:

Systolic: Borderline blood pressure. Clinical correlation is advised.

Diastolic: Elevated diastolic BP. Clinical correlation is advised.

Cardiac Output: Decreased cardiac output. Clinical correlation is advised. If clinically indicated, further diagnostic workup can include echo.

Systemic Vascular Resistance: Normal

Central Systolic Pressure: Normal

Mean Arterial Pressure: Normal

C1: Normal small artery elasticity.

C2: Normal large artery elasticity.

Address exercise regimen. Consider initiating exercise program if not exercising or adjust current exercise program.

Consider scheduling repeat testing in 3 - 4 months.

Physician's Notes:

Arterial Vascular Assessment - Segmental Analysis

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Physician Only Report
Exam Date: Feb 18 2020 15:11
Referral Physician

Resting - Right - Arm

EEI = 0.48 DDI = 0.54 DEI = 0.46

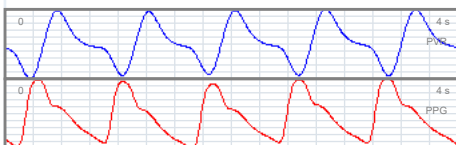
AI = -0.04 RI = 0.55 SI = 8.6

PTT = 204.2 ms DPTI/SPTI = 0.39

PWV = 3.8 m/s Systolic = 139 mmHg

SpO2 = 95.2 % Diastolic = 98 mmHg

CASP = 132 mmHg



Resting - Left - Arm

EEI = 0.49 DDI = 0.55 DEI = 0.48

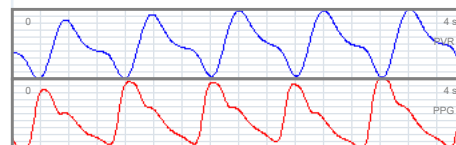
AI = -0.05 RI = 0.55 SI = 8.38

PTT = 187.1 ms DPTI/SPTI = 0.39

PWV = 4.1 m/s Systolic = 135 mmHg

SpO2 = 95.8 % Diastolic = 86 mmHg

CASP = 129 mmHg



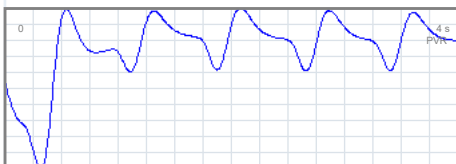
Resting - Right - Ankle

PTT = 296.4 ms Systolic = 223 mmHg

PWV = 4.2 m/s Diastolic = 162 mmHg

Systolic 3 = 214 mmHg

Diastolic 3 = 125 mmHg



Resting - Left - Ankle

EEI = 0.9 DDI = 0.91 DEI = 2.03

AI = -0.63 RI = 0.67 SI = 6.71

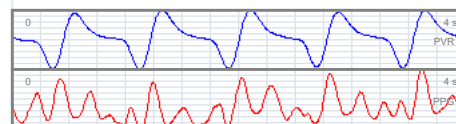
PTT = 328.3 ms DPTI/SPTI = 0.46

PWV = 3.8 m/s Systolic = 198 mmHg

SpO2 = 84.2 % Diastolic = 141 mmHg

Systolic 3 = 214 mmHg

Diastolic 3 = 125 mmHg



Resting - Right - Compare

ftPTT = 90.7 ms d Systolic = 84 mmHg

ftPWV = 6.9 m/s d Diastolic = 64 mmHg

baPWV = 12.4 m/s

Ankle/Brachial Index (ABI) = 1.4

Knee/Brachial Index (KBI) = 1.54

Toe/Brachial Index (TBI) = 0.92

ABI < 0.4: Severe arterial disease, obstruction
0.4 - 0.7: Moderate arterial disease, obstruction
0.7 - 0.9: Some arterial disease, mild obstruction
0.9 - 1.0: Acceptable, Borderline
1.0 - 1.4: Normal range
ABI > 1.4: Abnormal Vessel hardening from PVD

TBI < 0.66: Abnormal range
0.66 - 0.75: Acceptable, Borderline
TBI > 0.75: Normal range

Resting - Left - Compare

dEEI = 0.41 dDDI = 0.36 dDEI = 1.55

dAI = -0.58 dRI = 0.12 dSI = -1.68

ftPTT = 149.7 ms dDPTI/dSPTI = 0.07

ftPWV = 3.6 m/s d Systolic = 63 mmHg

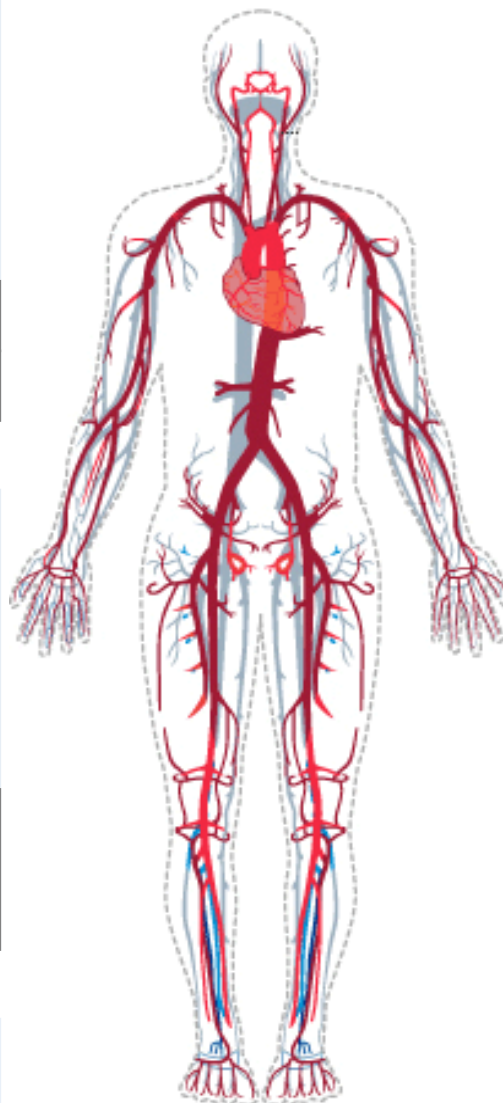
baPWV = 12.1 m/s d Diastolic = 55 mmHg

Ankle/Brachial Index (ABI) = 1.27

Knee/Brachial Index (KBI) = 1.59

Toe/Brachial Index (TBI) = 0.8

Normal range



Physician's Notes:

SUDOMOTOR SYMPATHETIC RESPONSE

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AUTONOMIC RISK FACTOR

TISSUE DAMAGES

Healthy tissue

Diabetes-related metabolic or vascular conditions can cause capillary damages.

Capillary damage can lead to nerve damage and loss of sensation especially in the extremities.

Injury due to loss of sensation.

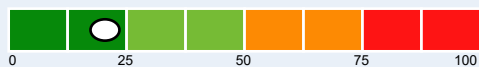
Loss of sensation and circulation problems result in increased risk of infection and gangrene.

Hands Asymmetry = 2%
Feet Asymmetry = 7%
(Unfavorable values: higher than 20 %)

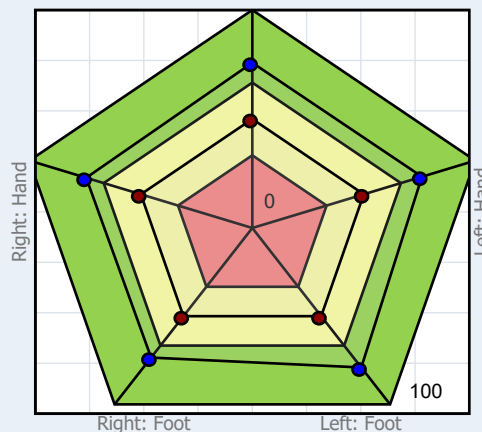


SUDOMOTOR AUTONOMIC NEUROPATHY

Risk for sudomotor autonomic neuropathy = 20.41
(No risk if < 40, Moderate 40-60, Elevated risk if > 60)



No clear sign of Sudomotor dysfunction.



Sudomotor autonomic neuropathy correlate with Sweat Gland Nerve Density and Sweat Gland Function

Physician's Notes: