Patient Name:	Carmen Giruzzi
Weight:	238 Lbs BMI: 42.2
Height:	5' 3"
Date of birth:	12/10/1955
Gender:	Male

RM-3A STATUS REPORT
PHYSICIAN'S FULL REPORT SUMMARY

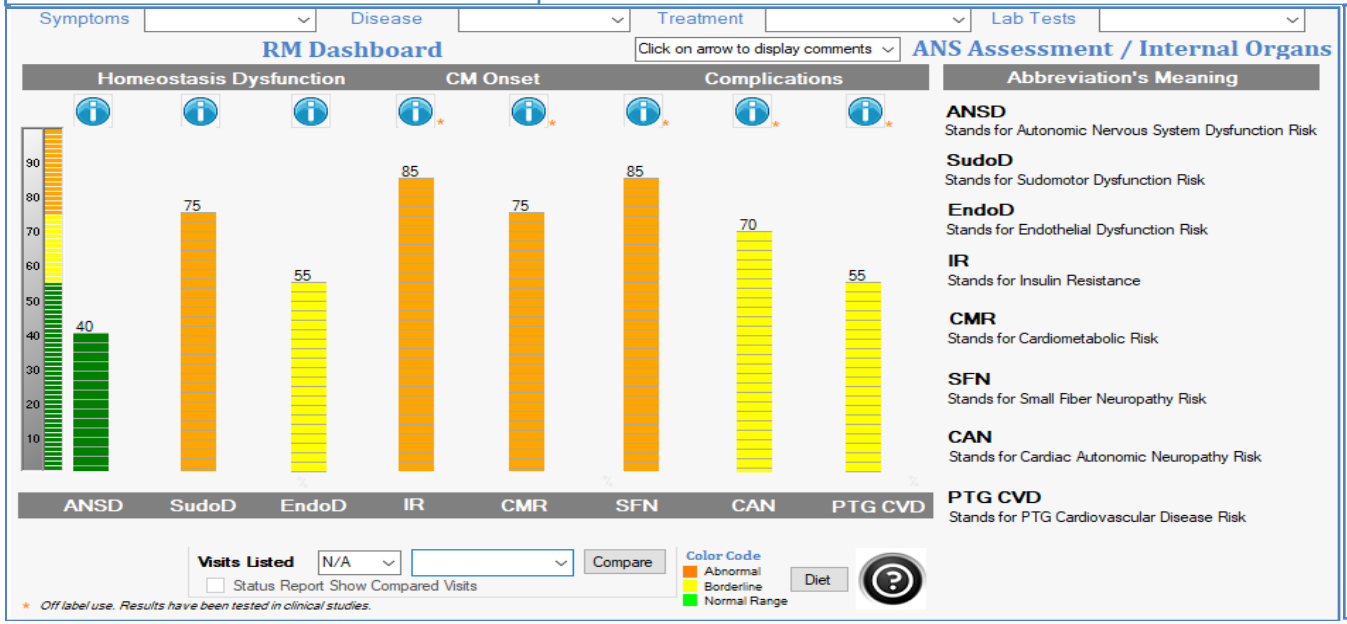
Referral:

Clinical Context

Observations

Comments And Suggestions Of The Risk Analysis

ANSD:	No autonomic dysfunction detected.
SudoD:	Mild Microcirculation disorder
	Mildly reduced C-Fiber velocity
	Moderately decreased sweat gland function
EndoD:	Mild Endothelial dysfunction has been detected. L-Arginine has been suggested also for improving the Endothelial function.
IR:	Significant Abnormal result. Lifestyle change is suggested.
CMR:	Moderate abnormal result. Further lab tests (Fasting BG and OGTT) are suggested
SFN:	Significant result. Further supplementary exams comprised in Toronto Clinical Neuropathy Score are suggested.
CAN:	Borderline result.
	Moderate failure of parasympathetic response.
	Mild sympathetic over response is detected.
PTG CVD:	Mild endothelial and ANS dysfunction detected. Cardiometabolic Profile lab tests are suggested.



*Off label use. Results have been tested in clinical studies.

The correlations between 2h- OGTT Glucose and Cardiometabolic Risk score (CMRS) were: r = 0.56 (p = 0.003).

Small fiber neuropathy risk using the sudomotor response score had a sensitivity of 91.4 % and specificity of 79.1% to detect diabetic neuropathy symptoms score >=1.

PTG CVD is calculated from the PTG Spectral Analysis markers. Comparing group with CAD and control group, spectral Analysis Markers have a sensitivity of 84.6% and specificity of 96.8% to detect CAD. Off label use. Results have been tested in clinical studies.

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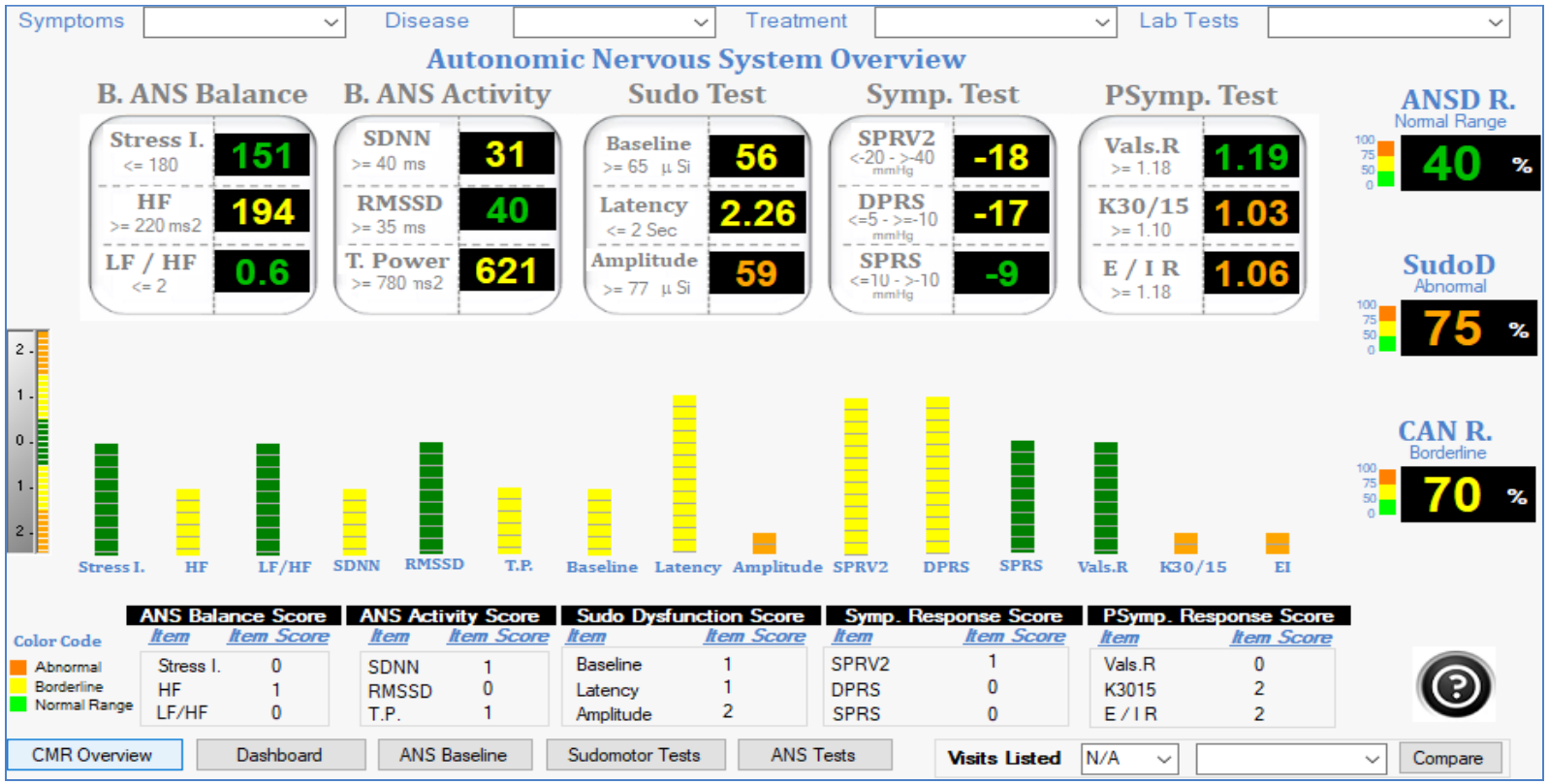

Risk Factors Chart Meaning:

STRESS.I = Marker of sympathetic activation
HF = Marker of parasympathetic activity
LF/HF: Marker of mental stress
SDNN = Marker of ANS activity
RMSSD = Marker of parasympathetic activity
T.P. = Marker of ANS overall activity
Baseline = Marker of microcirculation
Latency = Marker of the sweat nerve velocity
Amplitude = Marker of the sweat gland function
SPRV2 = Marker of norepinephrine response
DPRS = Marker of adrenergic response
SPRS = Marker of adrenergic response
VALS.R = Marker of baroreceptor response
K30/15 = Marker of cardiovascular function
E/I R = Marker of parasympathetic response
ANSD R. = ANS Dysfunction Risk
SFN R. = Small Fiber Neuropathy Risk
CAN R. = Cardiac Autonomic Neuropathy Risk

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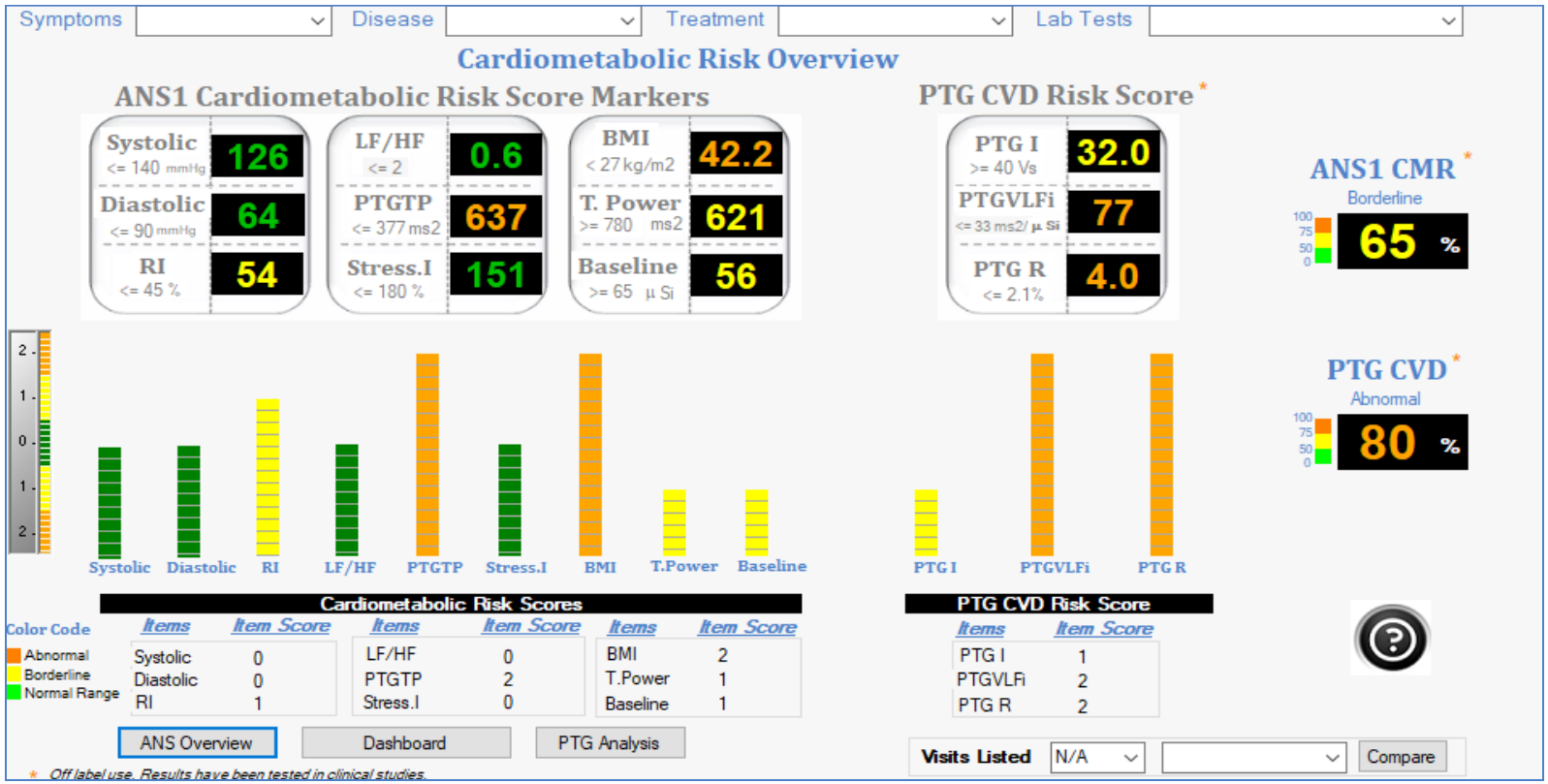

Risk Factors Chart Meaning:

Systolic = Systolic pressure
Diastolic = Diastolic pressure
RI = Marker of medium artery stiffness
PTGVLFi = Homeostatic Marker*
PTGTP = Homeostatic Marker*
STRESS.I = Marker of hepatic glycolysis
FM = Fat mass
T. Power = Marker of ANS overall activity
Baseline = Marker of skin microcirculation
PTG I = Homeostatic Marker*
PTG R = Homeostatic Marker*
CAN S. = Cardiac Autonomic Neuropathy Score
CMR = Cardiometabolis Risk
CVD = Cardiovascular Disease

* Homeostatic Marker are correlated to autonomic nervous system and endothelial function

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RM-3A STATUS REPORT
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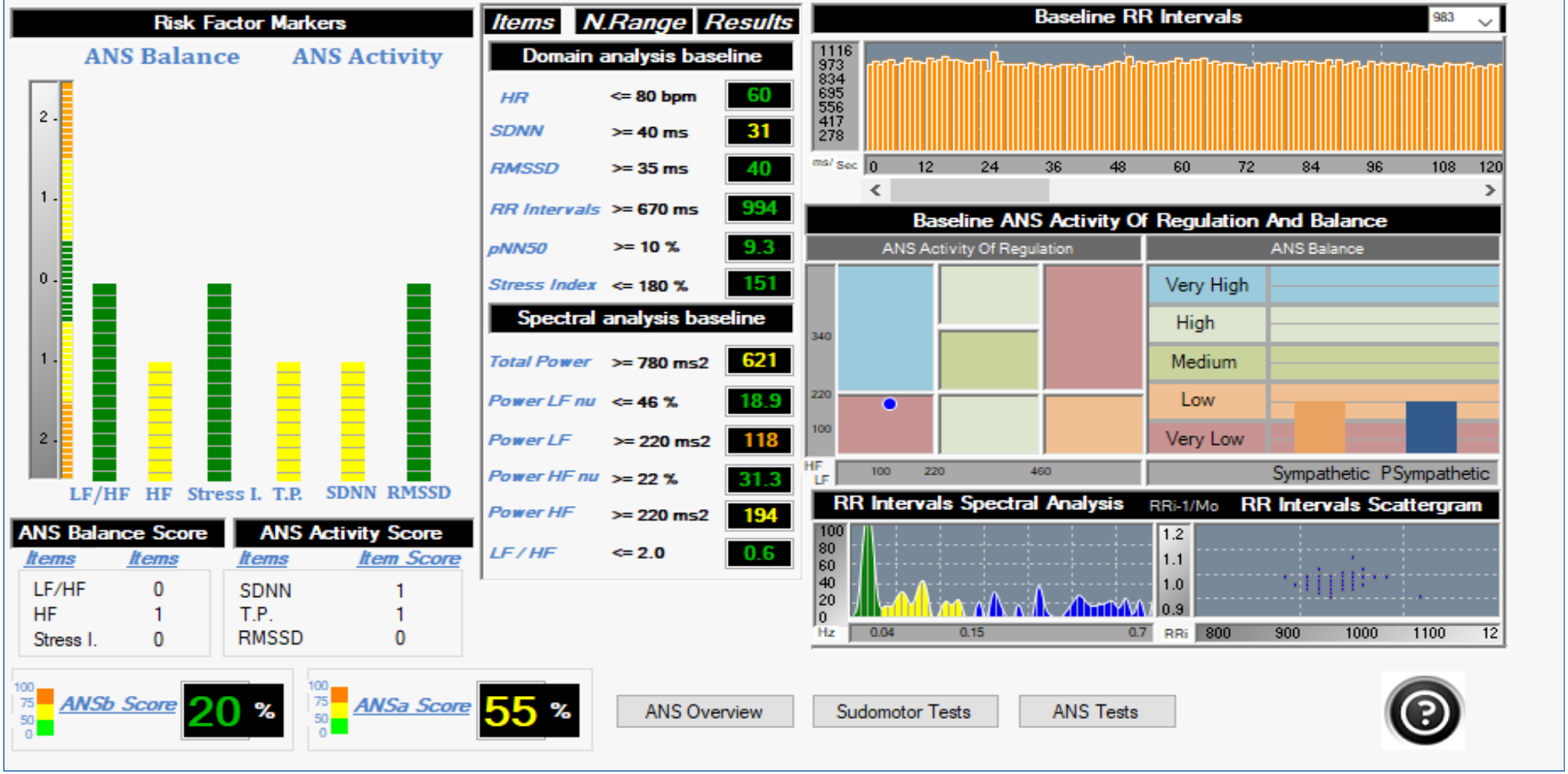
Referral:

Heart Rate Variability (HRV) Analysis



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RM-3A STATUS REPORT
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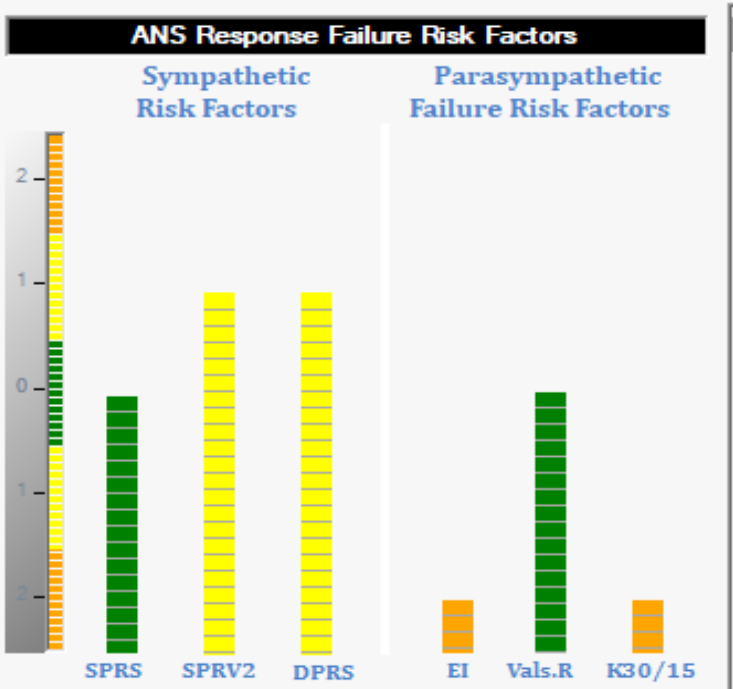
Referral:

Autonomic Nervous System (ANS) Tests Analysis



Symp. Risk Score	
Items	Item Score
SPRS	0
SPRV2	1
DPRS	1

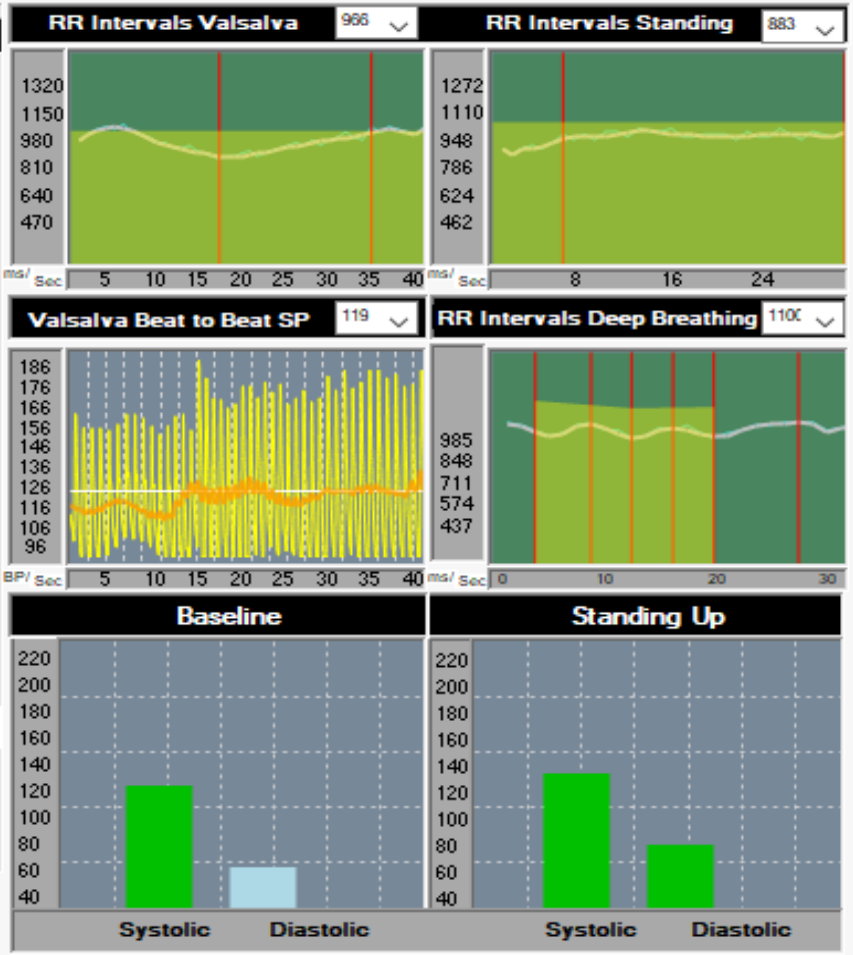
PSymp. Risk Score	
Items	Item Score
E / I R	2
Vals.R	0
K3015	2

STA Score 55 %

PTF Score 75 %

Items	N.Range	Results
Blood pressure baseline		
Systolic.P	<= 140 mmHg	126
Diastolic P	<= 90 mmHg	64
CI *	>= 2.8 L/min/m2	2.7
SVR *	<= 1500 dyn-s-cm2	806
Symp. response markers		
Standing blood pressure		
Systolic.P	<= 140 mmHg	135
Diastolic P	<= 90 mmHg	81
Beat To Beat SP Valsalva R.		
SPRV2	<-20 - >-40 mmHg	-18
BP Standing Response		
DPRS	<=5 and >= -10 mmHg	-17
SPRS	<= 10 and > -10 mmHg	-9
ParaSymp. response markers		
Valsalva ratio	>= 1.18	1.19
K30/15	>= 1.10	1.03
E / I R	>= 1.18	1.06

ANS Overview | ANS Baseline | Sudomotor Tests



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RM-3A STATUS REPORT
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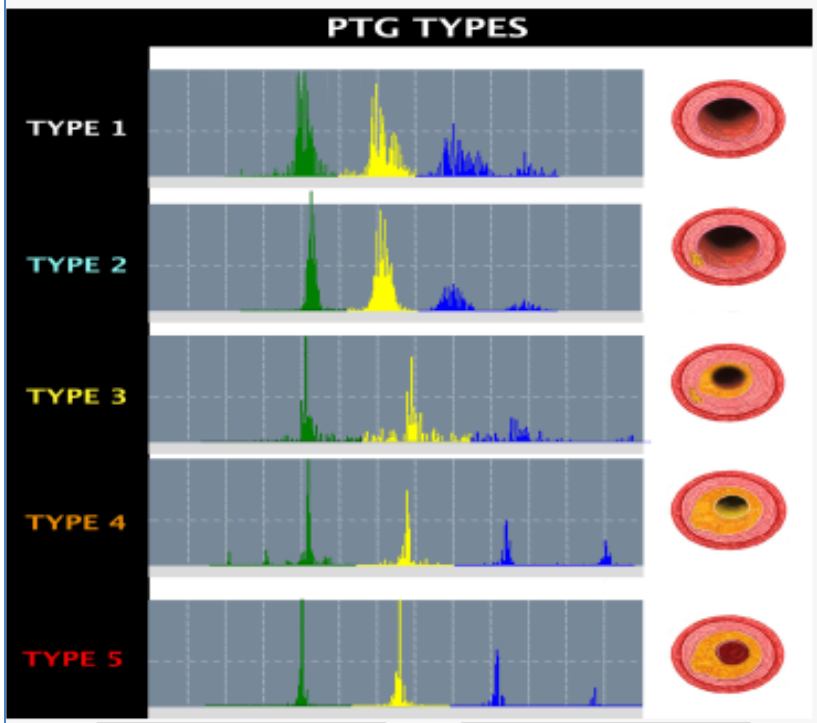
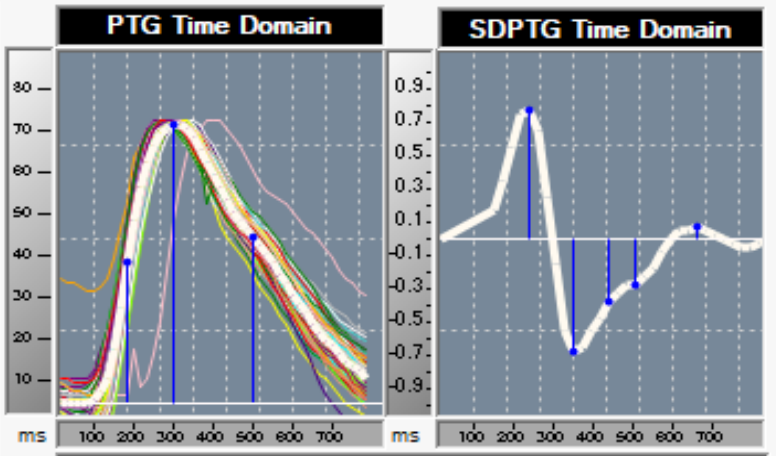
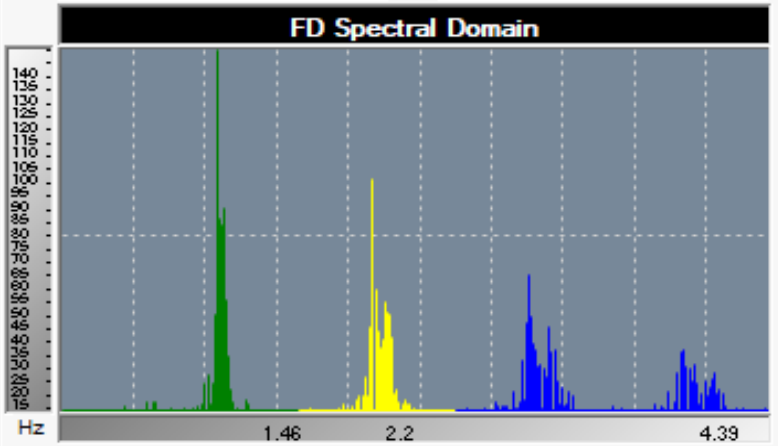
Referral:

Photoplethysmography (PTG) Analysis



Items	N.Range	Results
PTG/SDPTG Time Domain		
Endothelial Function Markers		
RI	<= 45 %	54
AIPTG	<= 0.45	0.6
SD ba	<= -1.0	-0.9
-SD da	<= 0.42	0.54
Systolic Time Markers		
PEPi/LVETi	<= 0.35	0.31
LVETi	>= 370 ms	389
PEP	<= 110 ms	101
Hemoglobin Saturation %		
SpO2%	> 95%	95
PTG Spectral Analysis		
PTG TP	<= 377 ms2	637
PTGVLFi	<= 33 ms2/ µ Si	77
PTG R	<= 2.1 %	4.0
PTG I	>= 40 Vs	32.0
PTGVLF	<= 100 ms2	130
PTG Patterns	PTG Type	3



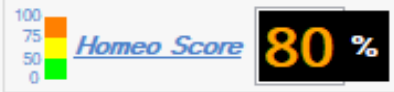


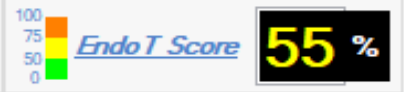
Homeostasis Score

Items	Item Score
PTGVLFi	0
PTG I	1
PTG R	2

Endothelial Score

Items	Item Score
RI	1
-SD da	1
SD ba	0





Wave Full Recording

CMR Overview

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RM-3A STATUS REPORT
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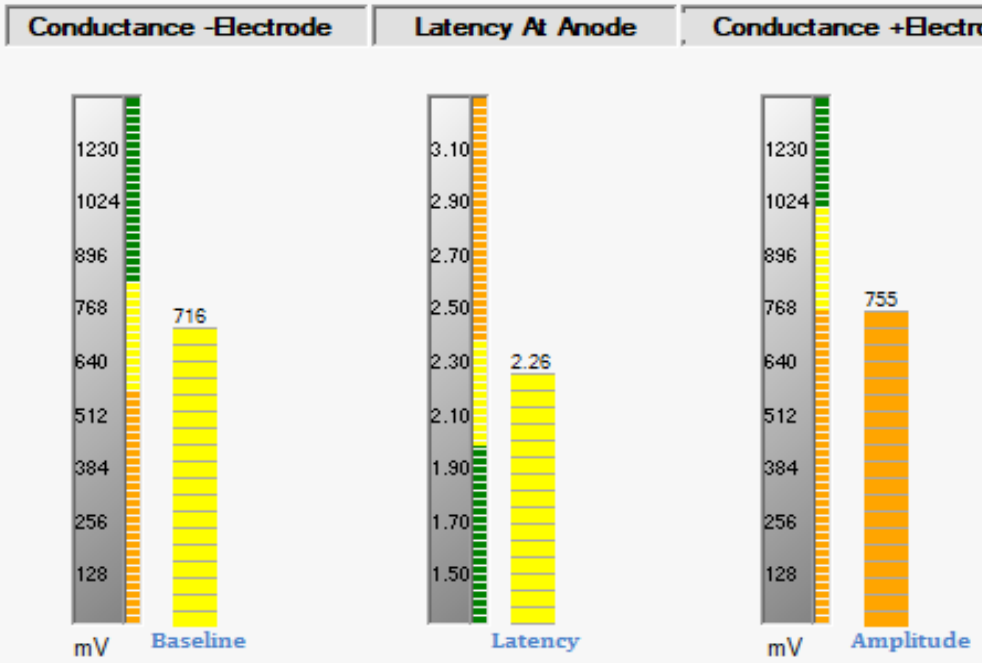
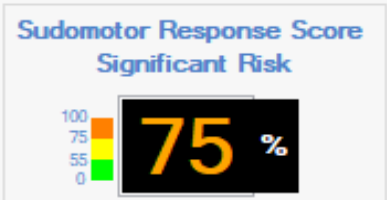
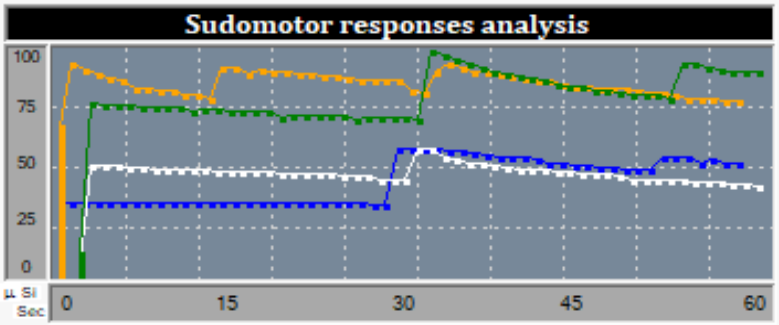
Sudomotor Response (SMR) Analysis



Items	N.Range	Results
Sudomotor Response		
Baseline	>=65 µ Si	56
Latency	<= 2 Sec	2.26
Amplitude	>=79 µ Si	59



Sudomotor Score	
Items	Items Score
Baseline	1
Latency	1
Amplitude	2



Sudomotor Results Comments

Mild Microcirculation disorder
Mildly reduced C-Fiber velocity
Moderately decreased sweat gland function

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