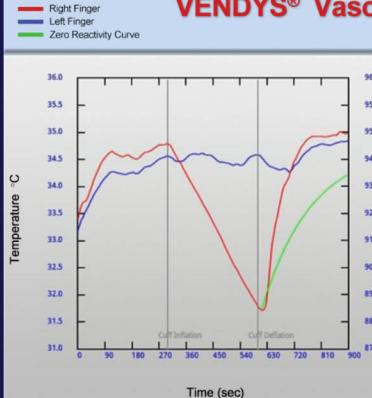


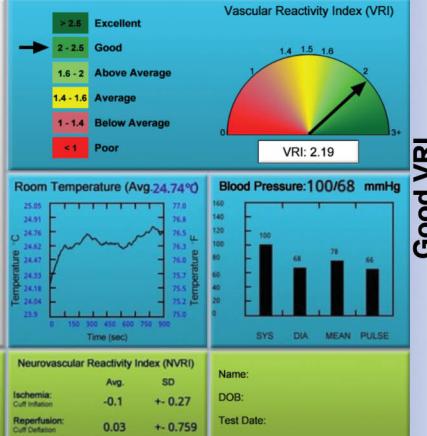
## VENDYS® Vascular Function Test

END<sup>♥</sup>THELIX

For more information about your test  
visit [www.endothelix.com](http://www.endothelix.com)



Quality Check		Sympathetic Response		Dropped Probe		Incomplete Occlusion		Vasomotor Instability		Right vs. Left Delta		Muscle Contraction		Switched Sensors	
Cold Finger		Cold / Hot Room		Ischemia:	Avg	SD	Reperfusion:	Ischemia:	Avg	SD	Reperfusion:	Ischemia:	Avg	SD	
Cold / Hot Room		Baseline Stabilization		Cuff Inflation:	-0.1	+ 0.27	Cuff Deflation:	Cuff Inflation:	-0.02	+ 0.479	Cuff Deflation:	Cuff Inflation:	-0.34	+ 0.17	
Baseline Stabilization				Fluctuating Room Temp.				Fluctuating Room Temp.				Fluctuating Room Temp.			

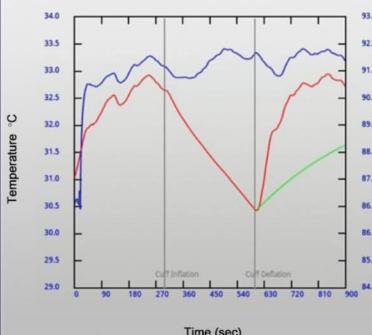


Good VRI

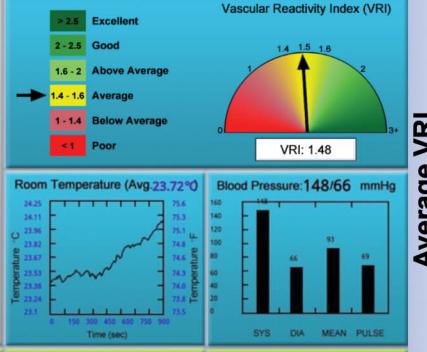
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Quality Check		Sympathetic Response		Dropped Probe		Incomplete Occlusion		Vasomotor Instability		Right vs. Left Delta		Muscle Contraction		Switched Sensors	
Cold Finger		Cold / Hot Room		Ischemia:	Avg	SD	Reperfusion:	Ischemia:	Avg	SD	Reperfusion:	Ischemia:	Avg	SD	
Cold / Hot Room		Baseline Stabilization		Cuff Inflation:	-0.1	+ 0.27	Cuff Deflation:	Cuff Inflation:	-0.02	+ 0.479	Cuff Deflation:	Cuff Inflation:	-0.34	+ 0.17	
Baseline Stabilization				Fluctuating Room Temp.				Fluctuating Room Temp.				Fluctuating Room Temp.			

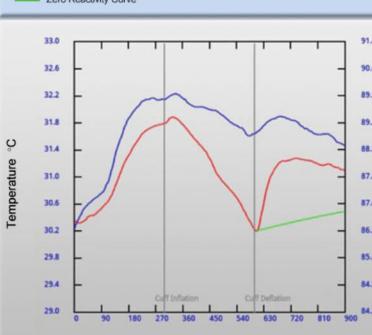


Average VRI

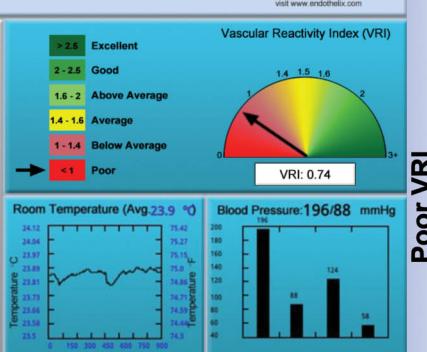
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Quality Check		Sympathetic Response		Dropped Probe		Incomplete Occlusion		Vasomotor Instability		Right vs. Left Delta		Muscle Contraction		Switched Sensors	
Cold Finger		Cold / Hot Room		Ischemia:	Avg	SD	Reperfusion:	Ischemia:	Avg	SD	Reperfusion:	Ischemia:	Avg	SD	
Cold / Hot Room		Baseline Stabilization		Cuff Inflation:	-0.1	+ 0.27	Cuff Deflation:	Cuff Inflation:	-0.02	+ 0.479	Cuff Deflation:	Cuff Inflation:	-0.34	+ 0.17	
Baseline Stabilization				Fluctuating Room Temp.				Fluctuating Room Temp.				Fluctuating Room Temp.			



Poor VRI

**END<sup>♥</sup>THELIX**

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## Patient with Known Coronary Artery Disease

Percutaneous Coronary Intervention  
Coronary Artery Bypass Grafting

### Therapies based on Current Secondary Prevention Guidelines

Smoking cessation	Antiplatelet agents
Blood pressure control	RAAS blockers
Lipid management	$\beta$ -blockers
Physical activity	Depression management
Weight management	Cardiac rehabilitation
Type 2 DM management	

### Noninvasive Peripheral Endothelial Function Assessment (e.g. VENDYS Test)

Normal Endothelial Function

\*Abnormal Endothelial Function

### Intensive Therapies

- Maximize lipid lowering to LDL <75 ideally near 50 (consider PCSK9i)
- Maximize BP Lowering Drugs to BP <130/80
- More Aggressive Weight Loss
- Increase Cardio Exercise to 30-45min per Day Every Day @60-70% Maximum Heart Rate
- Full Adherence to Mediterranean Diet
- Consider Adopting Plant-based Diet
- Stress Reduction Tools (e.g. Yoga, Calm App)
- Check for & Treat Underlying Inflammatory Disease
- Improve Oral Hygiene
- Add EPA Supplements (e.g. fish oil)
- Add Nitrates/Nitrites Supplements (e.g. Beetroot), Phytonutrients, and Other Scientifically-Backed Nutraceuticals.

Continue Therapies

Periodic Endothelial Function Assessment

## Patient without Known Coronary Artery Disease but with Multiple CVD Risk Factors

### Standard Therapies based on Current Published Guidelines

Smoking cessation	Type 2 DM management
Physical activity	Depression management
Weight management	Lipid management
Blood pressure control	

### Noninvasive Peripheral Endothelial Function Assessment (e.g. VENDYS Test)

Normal Endothelial Function

\*Abnormal Endothelial Function

Continue Therapies

### Noninvasive Imaging (e.g. CACS\*\*) to Detect Asymptomatic Coronary Artery Disease (CAD)

CAD Negative  
CACS = 0 or <75<sup>th</sup> Percentile

CAD Positive  
CACS > 0 and > 75<sup>th</sup> Percentile

### Intensive Therapies

- Maximize lipid lowering to LDL <75 ideally near 50 (consider PCSK9i)
- Maximize BP Lowering Drugs to BP <130/80
- More Aggressive Weight Loss
- Increase Cardio Exercise to 30-45min per Day Every Day @60-70% Maximum Heart Rate
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- Add Nitrates/Nitrites Supplements (e.g. Beetroot), Phytonutrients, and Other Scientifically-Backed Nutraceuticals.

Periodic Endothelial Function Assessment

Repeat CACS in 5 Years

\*Abnormal endothelial function is defined as VRI less than 1.5 in 2 out of 3 visits /measurements.

\*\*CACS is defined as a coronary artery calcium score

\*Abnormal endothelial function is defined as VRI less than 1.5 in 2 out of 3 visits /measurements.

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