

<b>Patient</b> <div style="background-color: #ccc; height: 80px; width: 100%;"></div>	<b>Provider</b> Provider: TONY BOGGESS DO 1310 S Main St Ann Arbor, MI 48104  Account No: 7724	<b>Specimen</b> <div style="background-color: #ccc; height: 80px; width: 100%;"></div>
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Test Name	Optimal	Borderline	High Risk	Notes	Previous Results
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**Lipid Tests**

Total Cholesterol		<b>211</b>			
	<200	<b>200-240</b>	>240 mg/dL		

**Inflammation Tests**

hs-CRP			<b>5.5</b>		
	<1.0	1.0-3.0	<b>&gt;3.0 mg/L</b>		
LpPLA <sub>2</sub> Activity	<b>150</b>				
	<180	180-224	≥225 nmol/min/mL		
MPO <sup>1</sup>	<b>372</b>				
	<450	450-650	>650 pmol/L		

**Interpretation:** HIGH hs-CRP may indicate inflammation and may be associated with increased CVD risk.

**Consideration:** Consider evaluating potential contributing CVD risk factors. If indicated, control blood pressure, encourage smoking cessation, and weight reduction.

**Metabolic Tests**

HbA1c	<b>5.5</b>				
	<5.7	5.7-6.4	>6.4 %		
HOMA-IR	<b>1.6</b>				
Glucose <sup>2</sup>	<b>81</b>				
	<2	2-3	>3		
GSP	<b>177</b>				
	70-99	100-125	<70 or >125 mg/dL		
Adiponectin <sup>1</sup>	<b>15.6</b>				
	<200	200-250	>250 μmol/L		
Adiponectin <sup>1</sup>	<b>15.6</b>				
	>13	9-13	<9 μg/mL		

Test Name	Low	Optimal	High	Notes	Previous Results
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Insulin <sup>3</sup>		<b>8</b>			
	<5	<b>5-15</b>	>15 μU/mL		

**Boston Heart Cholesterol Balance® Test<sup>1</sup>**

Normalized Value (μmol x 100/mmol of Total Cholesterol)	Normalized Value	Absolute Value	Notes
<b>Absolute Value (mg/L)</b>			
<b>Production Markers: BORDERLINE</b>			
<b>Lathosterol</b>		<b>114</b>	<b>2.4</b>
<b>Desmosterol</b>		<b>62</b>	<b>1.3</b>
<b>Absorption Markers: BORDERLINE</b>			
<b>Beta-sitosterol</b>		<b>137</b>	<b>3.1</b>
<b>Campesterol</b>		<b>215</b>	<b>4.7</b>
<b>Cholesterol Balance Score (Production/Absorption)</b>		<b>0.6</b>	
Over Absorber		Over Producer	

**Interpretation:** Increased amounts of Lathosterol, Beta-sitosterol and Campesterol may indicate an increased cellular production and intestinal absorption of cholesterol. Desmosterol accounts for a minor portion (20%) of overall cholesterol production.

**Consideration:** Consider lifestyle modification, statin and ezetimibe therapy if cholesterol lowering is indicated.