

Name: **William D. Roberts**

DOB: **19-Dec-54** Age: **57**

ID: **008**

Sex: **M** Height: **190 cm**

Race: **W** Weight: **100.4 Kg**

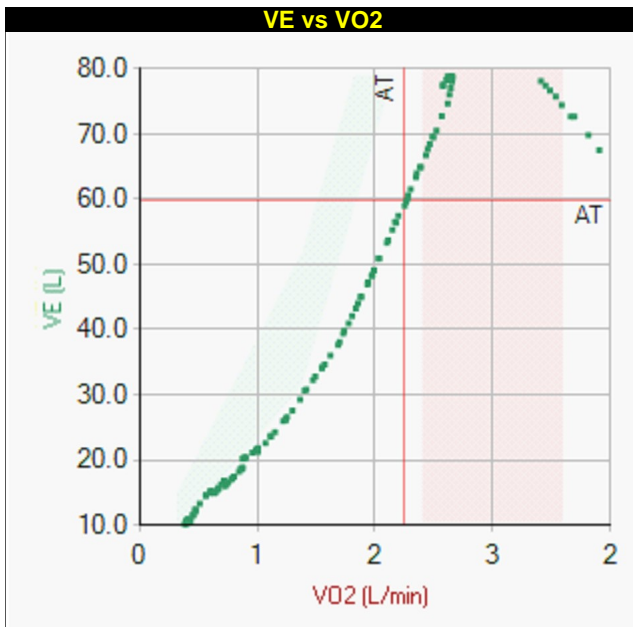
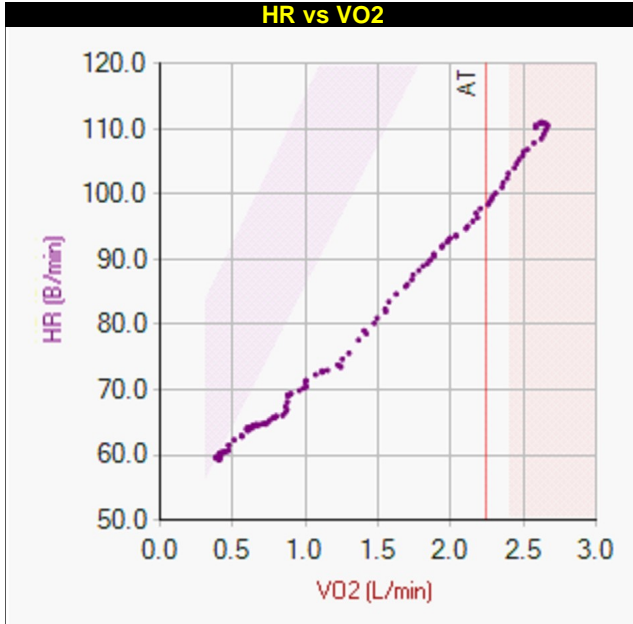
BMI: **27.8**



Smoker: **N** Pack years: **N/A**

Student: **Thomas Fallon**

Faculty: **Colin D. Chapman, M.D.**



**Cardiopulmonary Exercise Summary**

Spirometry		Units	Predicted	Measured	% Pred
FVC		(L)	5.55	<b>7.76</b>	140
FEV1		(L)	4.25	<b>5.07</b>	119
MVV		(L/min)	148.8	<b>196.2</b>	132

**Resting Data**

Heart Rate	(bpm)	<b>60</b>
SpO2	(%)	----
Systolic BP	(mmHg)	<b>122</b>
Diastolic BP	(mmHg)	<b>93</b>

**Exercise Duration: 6.83 Min**

**Peak Cardiovascular Responses**

Parameter	Units	Predicted	Measured	% Pred
VO2	(ml/kg/min)	33.59	<b>29.7</b>	88
VO2	(L/min)	3.00	<b>2.98</b>	99
VCO2	(L/min)		<b>3.08</b>	
Work	(Watts)	250	<b>202</b>	81
Anaerobic Threshold (AT)	(L/min)	> ----	<b>2.25</b>	
AT (% Predicted Max VO2)	(L/min)	> 138%	<b>75</b>	
Heart Rate	(bpm)	163	<b>114</b>	70
O2 Pulse	(mL/beat)	20.98	<b>26.0</b>	124
Systolic BP (Max)	(mmHg)	----	----	----
Diastolic BP (Max)	(mmHg)	85-105	----	----
Heart Rate Reserve	(bpm)	<15	<b>50</b>	

**Peak Ventilatory Responses**

VE Max	(L/min BTPS)	104.2	<b>92.1</b>	88
Tidal Volume (VT)	(L)	----	<b>3.97</b>	
Respiratory Rate (RR)	(Breaths/min)	<50	<b>23</b>	
Breathing Reserve	(%)	20-40	<b>110</b>	

**Gas-Exchange Responses**

VE/VO2 @ AT			<b>27</b>
VE/VCO2 @ AT			<b>28</b>
Respiratory Quotient (Peak)	1.1-1.3		<b>1.03</b>
SpO2 @ Peak			----

*Cardiopulmonary Serial Data*

Parameter	Units	Today	10-Sep-12	% Diff	08-Aug-12	% Diff	27-Jun-12	% Diff	26-Jun-12	% Diff
CPX Values are at max		25-Sep-12								
FVC	L	<b>7.76</b>	7.24	-7	7.53	-3	7.12	-9	7.39	-5
FEV <sub>1</sub>	L	<b>5.07</b>	5.18	2	4.99	-2	5.04	-1	5.15	1
VO <sub>2</sub>	L	<b>2.98</b>	3.04	2	----	----	----	----	----	----
VE	units	<b>92.1</b>	102.8	11	----	----	----	----	----	----
HR	B/min	<b>114</b>	129	13	----	----	----	----	----	----

*Technologist Comments:*

Technician notes are entered here.....

*Preliminary Description*

Moderate obesity may contribute to decreased exercise capacity. Aerobic capacity is normal. Anaerobic (ventilatory) threshold suggests normal cardiovascular conditioning. The 41 bpm reduction in heart rate at 2 minutes post-exercise indicates normal heart rate recovery. Normal breathing reserve indicates chest bellows capacity is not limiting. No significant oxygen desaturation is noted during exercise.