

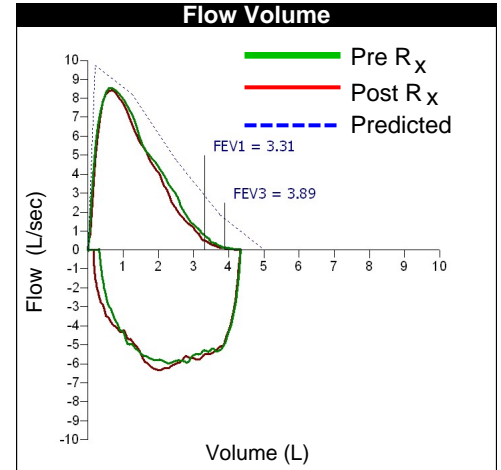


Name: **Michael J. Callahan** DOB: **02-Jul-53** Age: **52** ID: **09413352**  
 Sex: **M** Height: **178 cm** Weight: **125.0 Kg** Race: **W** Technician: **Patrick Morgan**  
 BMI: **39.5** Room: Cons MD: **Colin Chapman, M.D.**  
 Diagnosis: **477 Allergic Rhinitis** Ref MD: **John Williams, M.D.**

References Spirometry - Wang/Dockery & Nhanes III Lung Volumes - Rosenthal Diffusion - Rosenthal

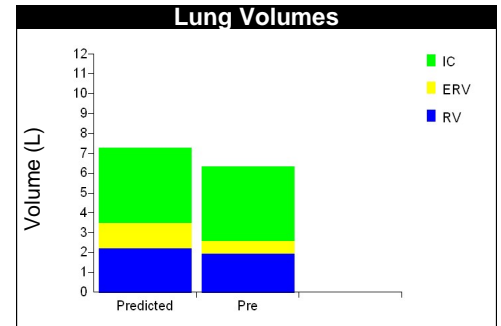
### Dynamic Spirometry

		Pre Bronchodilator			Post Bronchodilator		
		Predicted	Actual	% Pred	Actual	% Pred	% Change
FVC	L	5.02	<b>4.35</b>	87	<b>4.33</b>	86	0
FEV.5	L	2.96	<b>2.67</b>	90	<b>2.55</b>	86	-4
FEV1	L	3.88	<b>3.31</b>	85	<b>3.19</b>	82	-4
FEV1 / FVC	%	77	<b>76</b>	99	<b>74</b>	96	-3
FEF@%_&%	L/s	3.38	<b>2.76</b>	82	<b>2.26</b>	67	-18
PEFR	L/s	9.74	<b>8.54</b>	88	<b>8.44</b>	87	-1
FET	sec	----	<b>10.33</b>	----	<b>13.80</b>	----	34
MVV	L/m	151.6	----	----	----	----	--



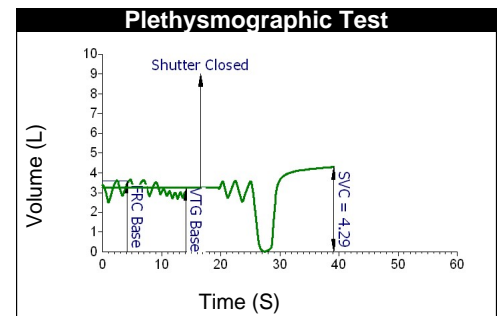
### Lung Volumes (by Box)

		Pre Bronchodilator		
		Predicted	Actual	% Pred
VC	L	5.02	<b>4.38</b>	87
IC	L	3.73	<b>3.72</b>	100
ERV	L	1.29	<b>0.66</b>	51
FRC	L	3.54	<b>2.63</b>	74
RV	L	2.25	<b>1.97</b>	88
TLC	L	7.14	<b>6.35</b>	89
RV/TLC	%	34	<b>31</b>	91



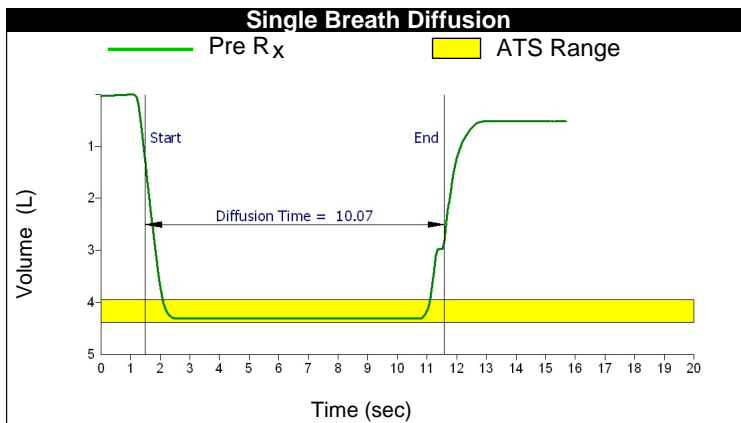
### Airways Resistance

		Pre Bronchodilator		
		Predicted	Actual	% Pred
Raw	cmH2O	1.70	<b>1.99</b>	117
Gaw	cmH2O	0.59	<b>0.54</b>	92
sRaw	L/s/cm	----	<b>5.52</b>	----
sGaw	L/s/cm	0.26	<b>0.18</b>	69



**Diffusing Capacity**

		Pre Bronchodilator		
		Predicted	Actual	% Pred
DLCO	mL/min	30.83	<b>35.89</b>	116
DLCO [Hb]	mL/min	30.83	<b>36.75</b>	119
Hb	g/dl	14.6	<b>13.8</b>	----
VA [BTPS]	L	7.14	<b>6.68</b>	94
DLCO/VA	mL/min	4.31	<b>5.50</b>	128

**Arterial Blood Gases**

Parameter		Normal Values	Observed Values
PaO2	mmHg	80-100	<b>92.1</b>
PaCO2	mmHg	35 to 45	<b>39.8</b>
PH	units	7.35 to 7.45	<b>7.22</b>
HCO3-	mEq/L	18 to 26	<b>23.4</b>
SaO2 [Oxim]	%	----	<b>98.5</b>

**Respiratory Pressures**

	Predicted	Observed Values	Percent Pred
MIP cmH2O	> 88	<b>87</b>	99
MEP cmH2O	> 133	<b>129</b>	97

**Past Pulmonary Function Results for this Patient**

Parameter	Units	Today's Test	Previous Test Results - Most Recent to Past							
			28-Dec-05	13-Dec-05	% Diff	26-Oct-05	% Diff	05-May-05	% Diff	17-Mar-05
FVC	L	<b>4.35</b>	4.18	-4	4.13	-6	4.36	<1	4.44	2
FEV1	L	<b>3.31</b>	3.10	-7	3.16	-5	3.31	<1	3.53	6
FEV1 / FVC	%	<b>76</b>	74	-3	77	1	76	<1	80	5
TLC	L	<b>6.35</b>	----	----	6.01	-6	6.51	2	6.40	<1
DLCO	mL/min/mmHg	<b>35.89</b>	----	----	32.31	-10	37.25	3	30.60	-15

**Technician Notes:**

Patient was very cooperative

**Physician Interpretation**

These test results indicate normal pulmonary function.

Colin Chapman, M.D.

