



Morgan Scientific, Inc.
Pulmonary Function Laboratory
 151 Essex Street
 Haverhill, MA 01832
 (978) 521-4440

Date of Test: 12/28/2005
 Date/Time of Report: 12/26/2005 01:00 AM
 Date/Time of Change:
 Temp: 22°C
 Pressure: 768mmHg
 BTPS: 1.109

Name: **Michael J. Callahan** MRN: **09413352** Sex: **M** DOB: **7/2/1953** Age: **52** Race: **W**
 Height: **70 in** Weight: **275 lb** BMI: **39.5** Diagnosis: 1: **Allergic Rhinitis**
 Location: _____ 2: _____
 Technician: **PFM** Attending: **Colin Chapman, M.D. (2345)** Referring: **John Williams, M.D. (7735)**

ATS compliant tests are indicated by a **✓**: **FVC FRC DLCO Raw**

Spirometry (BTPS)		Predicted Range		Pre Bronchodilator		Post Bronchodilator		Percent Change
		Mean	95%	Actual	% Pred	Actual	% Pred	
FVC	L	5.02	4.09	4.35	87	4.33	86	0
FEV1	L	3.88	3.09	3.31	85	3.19	82	-4
FEV1 / FVC	%	77	68	76	99	74	96	-3
FEF@%_&%	L/s	3.38	1.78	2.76	82	2.26	67	-18
PEFR	L/s	9.74	7.42	8.54	88	8.44	87	-1
FET	sec	----	----	10.33	----	13.80	----	34
MVV	L/m	151.6	94.8	----	----	----	----	--

Lung Volumes (Box)		Predicted Range		Pre Bronchodilator	
		Mean	95%	Actual	% Pred
TLC	L	7.14	5.98	6.35	89
FRC	L	3.54	2.55	2.63	74
IC	L	3.73	3.57	3.72	100
ERV	L	1.29	1.13	0.66	51
RV	L	2.25	1.57	1.97	88
RV/TLC	%	34	29	31	91
VC	L	5.02	4.09	4.38	87

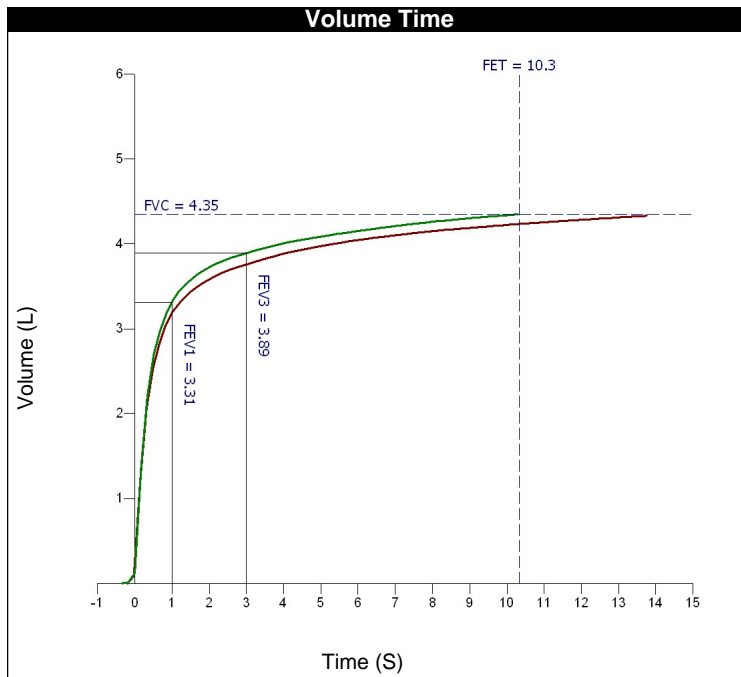
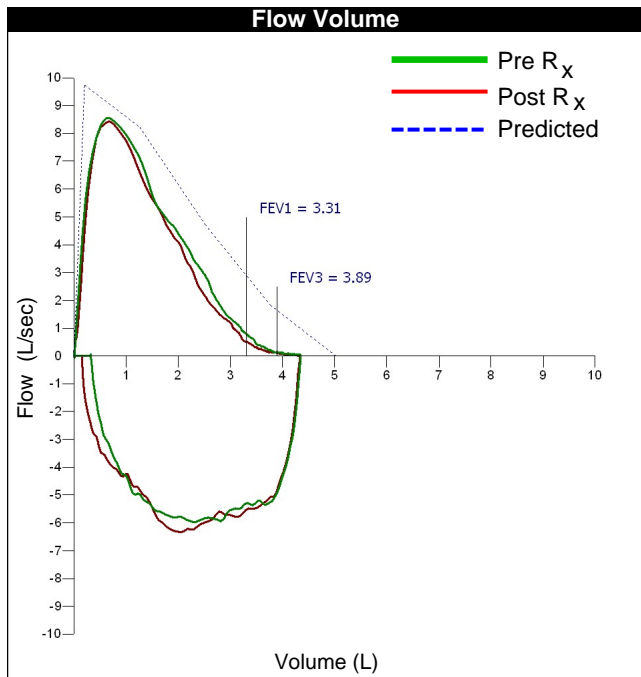
Resistance		Predicted Range		Pre Bronchodilator	
		Mean	95%	Actual	% Pred
sGaw	L/s/cmH2O	0.26	0.11	0.18	69
Raw	cmH2O/L/s	1.70	0.60	1.99	117

Diffusion		Predicted Range		Pre Bronchodilator		Hb	13.8	Drawn	12/26/2005
		Mean	95%	Actual	% Pred				
DLCO	mL/min/mmHg	30.83	22.40	35.89	116				
Hb	g/dl	14.6	12.0	13.8	----				
DLCO [Hb]	mL/min/mmHg	30.83	22.40	36.75	119				
VA [BTPS]	L	7.14	5.99	6.68	94				
DLCO/VA	mL/min/mmHg/L	4.31	3.53	5.50	128				

Respiratory Muscle Strength		Predicted Range		Actual	% Pred
		Mean	95%		
MIP	(cmH2O)	88		87	
MEP	(cmH2O)	133		129	

Exhaled Nitric Oxide Assay:

Median eNO value (from 3 exhalations at 50 ml/s): **11** (ppb)



Past Pulmonary Function Results for this Patient

Parameter	Units	Today	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	4.35	4.18	-4	4.13	-6	4.36	<1	4.44	2
FEV1	L	3.31	3.10	-7	3.16	-5	3.31	<1	3.53	6
FEV1 / FVC	%	76	74	-3	77	1	76	<1	80	5
DLCO [Hb]	mL/min/mmHg	36.75	---	---	32.31	-13	37.25	1	30.60	-17
VA [BTPS]	L	6.68	---	---	6.57	-2	6.93	3	6.11	-9
DLCO/VA	mL/min/mmHg/L	5.50	---	---	4.92	-11	5.38	-3	5.01	-9

Technician Notes:

Patient was very cooperative

Physician Interpretation

FEV1, FVC, and FEV1/FVC are within normal limits. There was not a significant response to inhaled bronchodilator. TLC and subdivisions are normal. RV/TLC ratio is increased. Resistance and specific conductance are normal. Single breath diffusion capacity is normal. Maximal respiratory muscle pressures are normal.

Colin Chapman
 Colin Chapman, M.D.