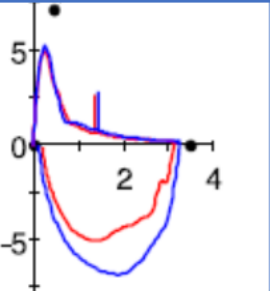


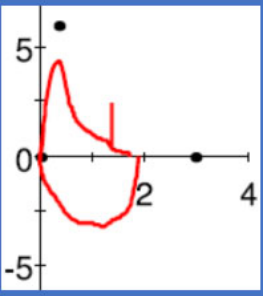
Case 1:
74 yo man w
dyspnea
Ht 67"
Wt 141 lbs, BMI 22
Tob: Never Smoker



Comments: Good patient effort, cooperation and comprehension. The reported results meet ATS criteria for acceptability and repeatability.

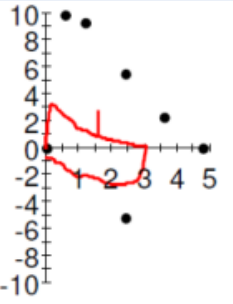
	Pre-Bronch				
	LLN	Z Score	Pred	Actual	%Pred
--- SPIROMETRY ---					
FVC (L)	2.57	-0.59	3.47	3.15	90
FEV1 (L)	1.90	-2.76	2.62	1.38	52
FEV1/FVC (%)	62.93	-3.21	76.83	43.78	56
--- LUNG VOLUMES ---					
TLC (Pleth) (L)	5.03	+1.63	6.41	7.79	121
TGV (L)	2.43	+1.99	3.49	5.12	146
RV (Pleth) (L)	1.38	+2.02	2.40	3.96	164
RV/TLC (Pleth) (%)	26	+1.67	38	51	134
--- DIFFUSION ---					
DLCOcor (ml/min/mmHg)	16.72	-2.12	22.93	15.14	66
VA (L)	4.59	-0.26	5.71	5.53	96
DL/VA (ml/min/mmHg/L)	2.93	-1.96	4.00	2.74	68

Case 2:
67 yo woman w
dyspnea
Ht 65"
Wt 174 lbs, BMI 29
Tob Hx: none



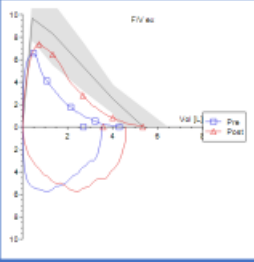
	Pre-Bronch				
	LLN	Z Score	Pred	Actual	%Pred
--- SPIROMETRY ---					
FVC (L)	2.10	-2.40	2.95	1.73	58
FEV1 (L)	1.62	-2.18	2.30	1.38	59
FEV1/FVC (%)	66.06	+0.17	78.72	79.88	101
--- LUNG VOLUMES ---					
TLC (Pleth) (L)	4.18	-2.73	5.25	3.55	67
TGV (L)	2.08	-2.08	2.92	1.89	64
RV (Pleth) (L)	1.20	-0.61	1.99	1.68	84
RV/TLC (Pleth) (%)	26	+1.24	38	47	125
--- DIFFUSION ---					
DLCOcor (ml/min/mmHg)	14.96	-2.89	19.80	11.94	60
VA (L)	3.85	-3.40	4.80	2.95	61
DL/VA (ml/min/mmHg/L)	3.16	-0.16	4.15	4.05	97

Case 3:
43 yo man w
dyspnea
Ht 73"
Wt 293 lbs, BMI 39
Tob Hx: 17 pk years



	Pre-Bronch			
	<u>Actual</u>	<u>Pred</u>	<u>%Pred</u>	<u>LLN</u>
--- SPIROMETRY ---				
FVC (L)	*3.05	4.78	*63	3.99
FEV1 (L)	*1.62	3.88	*41	3.24
FEV1/FVC (%)	*53	81	*65	68
--- LUNG VOLUMES ---				
SVC (L)	*3.21	5.59	*57	4.67
IC (L)	*2.71	4.10	*66	3.42
ERV (L)	*0.50	1.49	*33	1.24
TGV (L)	*2.15	3.64	*59	2.91
RV (Pleth) (L)	*1.65	2.15	*76	1.72
TLC (Pleth) (L)	*4.86	7.74	*62	6.19
--- DIFFUSION ---				
DLCOunc (ml/min/mmHg)	*18.36	31.24	*58	24.99
DLCOcor (ml/min/mmHg)		31.24		24.99
DLVA (ml/min/mmHg/L)	4.09	4.22	96	3.38
VA (L)	*4.49	7.40	*60	6.18

Case 4:
33 yo man w
dyspnea
Ht 72"
Wt 170 lbs, BMI 24
Tob Hx: 30 pk years



Spirometry							
	PRED	PRE	PRE%PRED	POST	POST%PRED	%CHG	Z-SCORE
FVC	5.38	4.29	79.9	5.35	99.5	19.6	-1.67
FEV 1	4.39	2.70	61.5	3.56	81.5	20.0	-3.02
FEV1/FVC	82	63	76.7	67	81.7	5.0	-2.71
Lung Volumes							
		PRED	PRE	PRE%PRED	Z-Score		
VC	L	5.27	4.97	94.2	-0.54		
TLC	L	7.13	7.35	103.1	0.32		
RV	L	1.83	2.38	130.4	1.35		
RV % TLC	%	27	32	120.7	1.02		
FRCpleth	L	3.37	3.52	104.7	0.26		
ERV	L	1.54	1.14	74.2			
Diffusing Capacity							
		PRED	PRE	PRE%PRED	Z-SCORE		
DLCO_SB	ml/(min*mmHg)	32.14	31.45	97.8	-0.15		
DLCO/VA	ml/(min*mmHg*L)	4.85	4.62	95.4	-0.35		

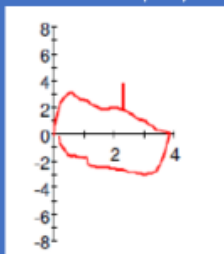
Case 5:

40yo man with
dyspnea

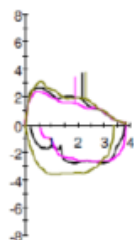
Ht 67"

Wt 145 lbs, BMI 23

Tob Hx: 17 pk years



----	Pred	LLN	Actual	%Pred
---- SPIROMETRY ----				
FVC (L)	4.82	3.95	3.85	79
FEV1 (L)	3.84	3.10	2.32	60
FEV1/FVC (%)	80	70	60	75



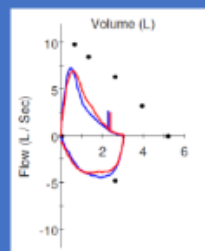
Case 6:

57 yo man w
dyspnea

Ht 72"

Wt 165lbs, BMI 22

Tob Hx: Never

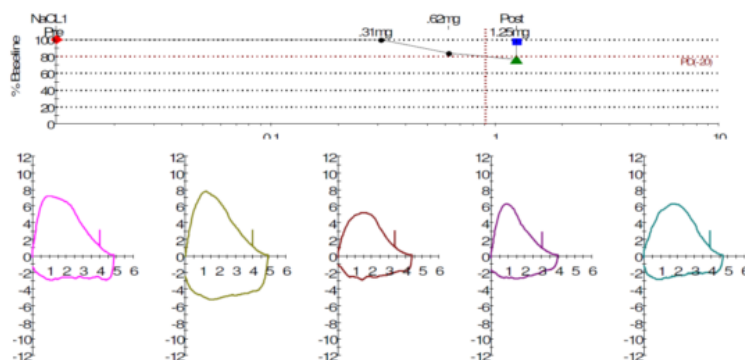


	LLN	Pre-Bronch			Post-Bronch		
		Pred	Actual	%Pred	Actual	%Pred	%Chng
---- LUNG VOLUMES ----							
TLC (Pleth) (L)		7.17	5.81	81	6.00	83	+3
TGV (L)		4.15	3.71	89	3.62	87	-2
RV (Pleth) (L)		2.47	2.69	108	2.81	113	+4
---- SPIROMETRY ----							
FVC (L)	4.21	5.20	3.08	59	3.06	58	+0
FEV1 (L)	3.12	3.96	2.30	57	2.43	61	+5
FEV1/FVC (%)	66	76	75	98	79	104	+6
DLCOunc (ml/min/mmHg)	27.56	37.22			30.47	81	
DLCOcor (ml/min/mmHg)	27.03	36.67					
VA (L)		7.26			4.70	64	
DL/VA (ml/min/mmHg/L)	3.45	5.13			6.48	126	

Stage	SIT PRE	SUPINE PRE
FVC (L)	3.08	1.45
% Change	+0	-53
% Pred	59	27

Methacholine Test

Stage	Pre	NaCl	0.31mg/mL	0.62mg/mL	1.25mg/mL	Post	PC	PD
Dose	0.00	0.00	7.4mcg	14.8mcg	29.7mcg	0.00		
C.D.U.s	0.00	0.00	7.4mcg	22.3mcg	52.0mcg	52.0mcg		
FEV ₁ (L)	4.11	4.02	4.03	3.38	3.08	3.94	0.91	22.8
% Change	+2	+0	+0	-15	-23	-2		
FVC (L)	5.07	4.88	4.93	4.40	3.98	4.71		
FEV ₁ /FVC (%)	81	83	82	77	77	84		



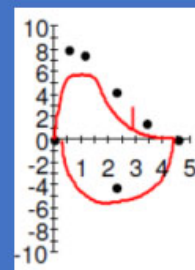
Case 8:

80 yo man w
dyspnea

Ht 73"

Wt 226lbs, BMI 29

Tob: 30 pk yrs



	Pre-Bronch			LLN
	Actual	Pred	%Pred	
---- SPIROMETRY ----				
FVC (L)	4.45	4.54	97	3.79
FEV1 (L)	2.93	3.25	90	2.71
FEV1/FVC (%)	66	72	91	60
---- LUNG VOLUMES ----				
SVC (L)	4.26	4.54	93	3.79
IC (L)	*3.05	3.77	*80	3.15
ERV (L)	*1.22	0.77	*158	0.64
TGV (L)	3.21	3.97	80	3.18
RV (Pleth) (L)	*1.99	2.96	*67	2.37
TLC (Pleth) (L)	6.25	7.74	80	6.19
---- DIFFUSION ----				
DLCOunc (ml/min/mmHg)	*15.83	22.81	*69	18.25
DLCOcor (ml/min/mmHg)		22.81		18.25
DL/VA (ml/min/mmHg/L)	2.60	3.08	84	2.46
VA (L)	*6.08	7.40	*82	6.18