



Pulmonary Function Report

Morgan Scientific, Inc.

151 Essex Street

Haverhill, MA 01832

Phone: (978) 521-4440

Patient Information

Name: Test K. Subject

ID: 134732

Test date/time: 3/20/2019 9:34:18 AM

Height at test: 75 in

Weight at test: 216.41 lb

Birth Sex: M

Gender: Male

Birthdate: 12/20/1960

Age at test: 58

BMI at test: 27.2 kg/m²

Smoking history (pk-yr): N/A

Predicted Group: C

Ethnicity: Caucasian

Physician: Colin Chapman, M.D.

Estimated Lung Age: N/A

Technician: Patrick Morgan

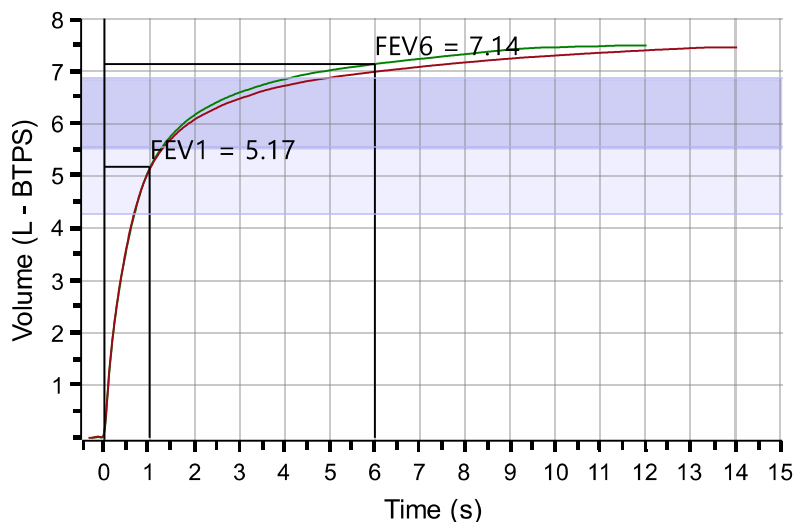
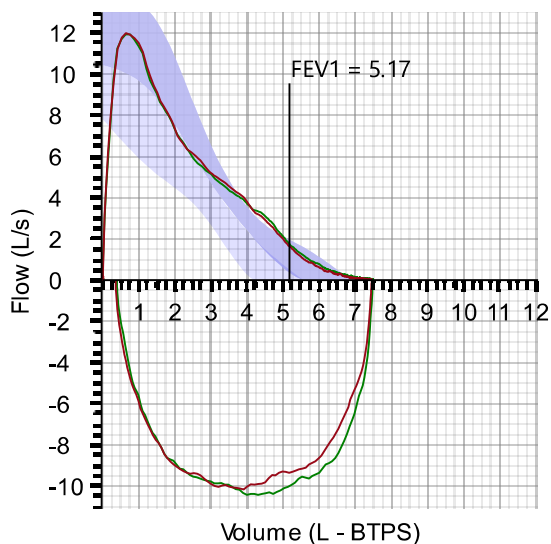
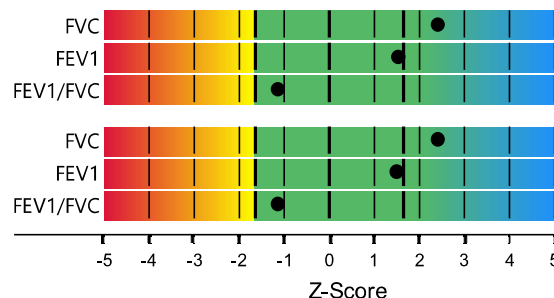
ICD-10: (J45.30) Mild persistent asthma, uncomplicated

Referring Dr:

Dynamic Spirometry

Parameter	Units	Pre-Bronchodilator				Post-Bronchodilator			
		Result	LLN	Z-score	% Pred	Result	Z-score	% Pred	% Chg
FVC	L	7.49	4.26	2.40	135	7.48	2.40	135	0
FEV ₁	L	5.17	3.23	1.55	121	5.14	1.50	121	-1
FEV ₁ / FVC	%	69	65	-1.16		69	-1.15		0
FET	s	12.03	6.00	---		14.63	---		22

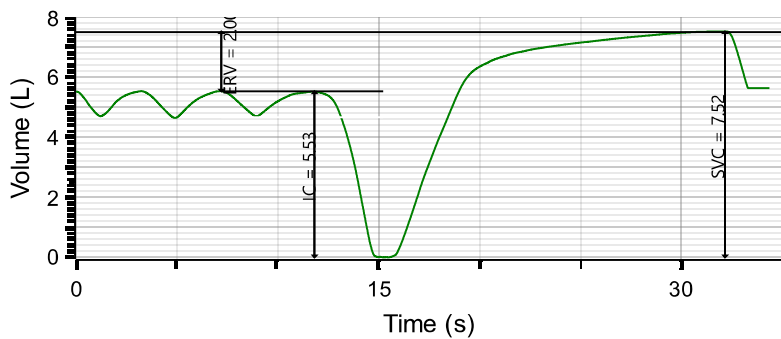
Reference: GLI 2017 Test Quality: Pre BD: FEV1 = A, FVC = A Post BD: FEV1 = B, FVC = A



Static Spirometry

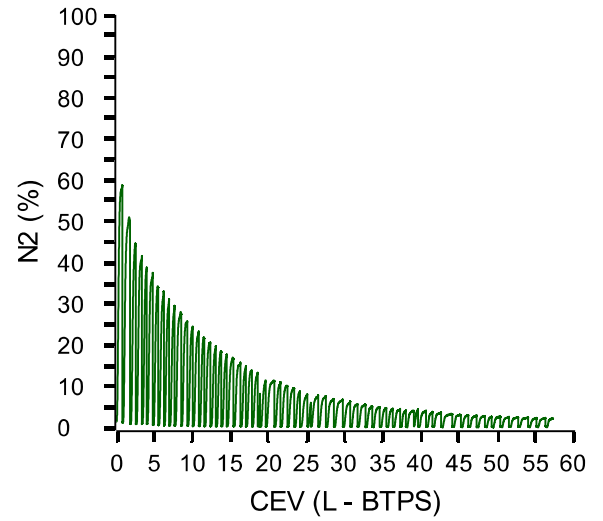
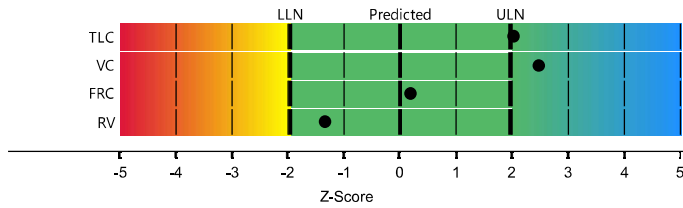
Parameter	Units	Pre-Bronchodilator			
		Result	LLN	Z-score	% Pred
SVC	L	7.52	4.26	2.46	135
IC	L	5.53	2.76	---	131
ERV	L	2.00	0.93	---	149
FEV1oSVC			65	---	

Reference values: GLI 2017; Test Quality: Effort Met



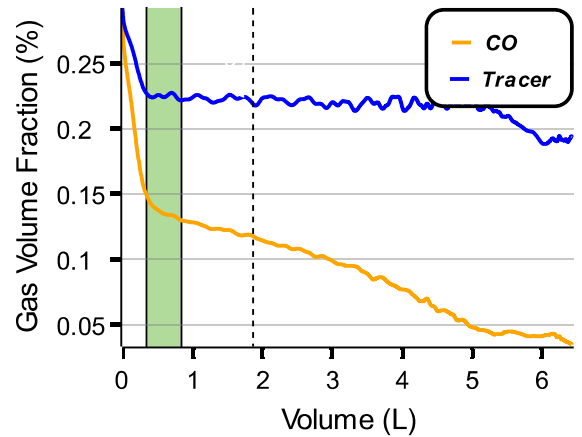
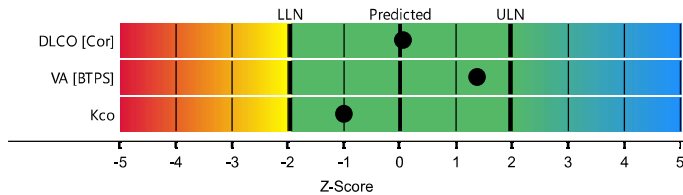
Multiple Breath N2

Parameter	Units	Pre-Bronchodilator				
		Result	LLN	ULN	Z-score	% Pred
TLC	L	9.51	6.95	9.26	2.02	117
VC	L	7.52	4.26	6.88	2.46	135
RV	L	1.99	1.86	3.22	-1.34	78
RV/TLC	%	21	31	42	-2.89	57
FRC	L	3.99	2.89	4.87	0.18	103
ERV	L	2.00	0.93	1.75	---	149
LCI		14.31			---	
M0		1.15			---	
M1		4.71			---	
Reference values: Gutierrez 2004; Test Quality: Failed						



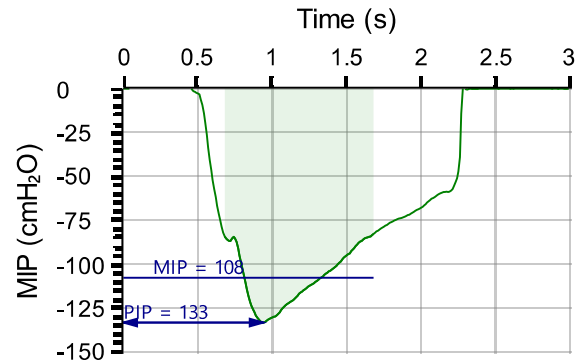
Diffusing Capacity

Parameter	Units	Pre-Bronchodilator				
		Result	LLN	ULN	Z-score	% Pred
DLCO [Unc]	mL/min/mmHg	32.54	24.41	41.89	0.02	100
DLCO [Cor]	mL/min/mmHg	32.54	24.41	41.89	0.02	101
Kco	mL/min/mmHg/L	3.58	3.20	5.31	-1.00	85
VA [BTPS]	L	9.09	6.26	9.35	1.38	117
VI [BTPS]	L	7.18	4.26	6.88	---	129
Diffusion Time	s	9.55			---	
Reference values: GLI 2017; Test Quality: A PB: 764mmHg						



Respiratory Pressures

Parameter	Units	Pre-Bronchodilator				
		Result	LLN	ULN	Z-score	% Pred
MIP	cmH ₂ O	108	50	114	---	132
PIP	cmH ₂ O	133			---	
MEP	cmH ₂ O	117	53	201	---	92
PEP	cmH ₂ O	128			---	
Reference values: Wilson 1984; Test Quality: Acceptability Met						



Trend Results

Test series date		FVC	%Prd	FEV1	%Prd	Ratio	FEF25-75	%Prd	TLC	%Prd	FRC	%Prd	RV/TLC	DLCO	%Prd
3/20/2019	Pre	7.49	135	5.17	121	69	3.23	93	9.51	117	3.99	103	21	32.54	100
	Post	7.48	135	5.14	121	69	3.04	87	---	---	---	---	---	---	---
2/8/2019	Pre	7.54	135	5.35	126	71	3.36	97	---	---	---	---	---	---	---
	Post	7.76	139	5.11	120	70	3.37	97	---	---	---	---	---	---	---
2/4/2019	Pre	6.76	121	4.52	106	67	2.73	78	---	---	---	---	---	---	---
	Post	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2/1/2019	Pre	6.96	125	4.64	109	67	2.68	77	---	---	---	---	---	---	---
	Post	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1/30/2019	Pre	7.75	139	5.23	123	68	3.11	89	9.30	115	4.69	121	30	37.62	116
	Post	7.68	138	5.26	123	68	3.32	95	---	---	---	---	---	---	---
1/16/2019	Pre	7.25	130	5.04	118	69	3.25	93	10.15	125	5.42	140	29	38.62	119
	Post	7.42	133	5.12	120	69	3.24	93	---	---	---	---	---	---	---
1/10/2019	Pre	7.50	135	4.92	115	66	2.88	83	---	---	---	---	---	---	---
	Post	7.69	138	5.10	119	66	3.08	88	---	---	---	---	---	---	---
1/8/2019	Pre	7.56	136	5.27	123	68	3.23	93	10.14	125	4.42	114	30	35.31	109
	Post	7.59	136	5.27	123	69	3.54	101	---	---	---	---	---	---	---
12/19/2018	Pre	7.21	129	4.97	116	69	3.09	89	---	---	---	---	---	---	---
	Post	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Technologist Comments:

Interpretation:

Normal spirometric values indicate the absence of any significant degree of obstructive pulmonary impairment and/or restrictive ventilatory defect. Bronchodilator therapy was administered followed by repeat spirometric testing. Post-bronchodilator testing failed to demonstrate a significant change in FVC, FEV1, or FEF 25-75. This indicates that this patient may not benefit from continued bronchodilator therapy.

Colin Chapman -

Colin Chapman, M.D.

Date Interp:

Time Interp: