

Allegheny Clinic-Suit...
490 E North Ave Ste. 300
Pittsburgh, PA 15212

Name: HOGENMILLER, GERALD
ID: 12470000
Sex: Male
Birthdate: 9/13/1960 (65 yrs.)
Ethnicity: Other
Smoking: Smoker

Referred by: BALAAN, MARVIN
Date of test: 12/15/2025
Therapist: Tennant, Troy
Height: 69.80 in; 177.29 cm
Weight: 156.00 lb; 70.76 kg
BMI: 22.51 kg/m²

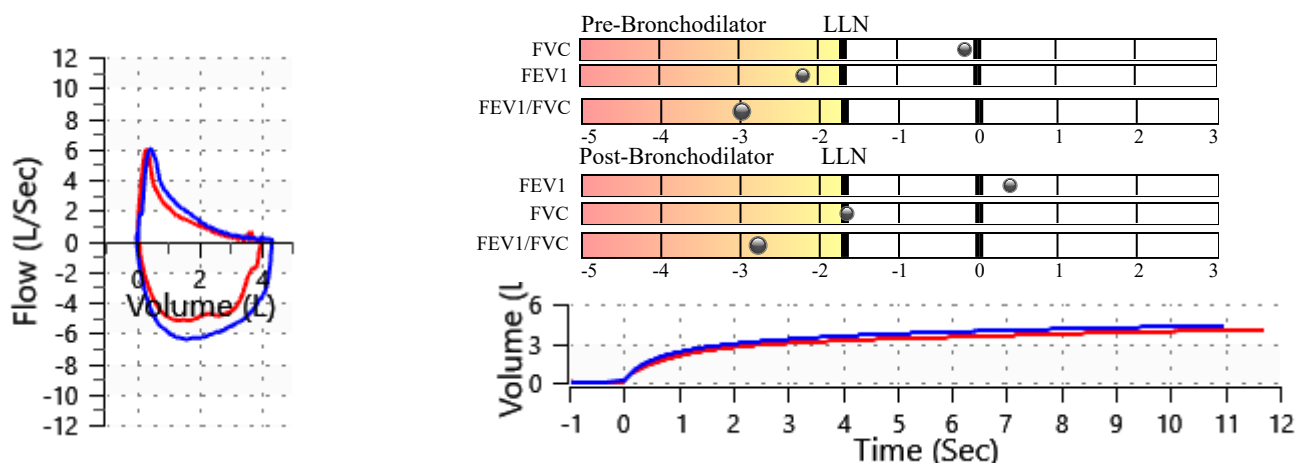
SPIROMETRY

Pre-Bronchodilator

Post-Bronchodilator

	Best	LLN	Z Score	%Pred		Best	Z Score	%Pred	Change	%Chg
FVC (L)	4.04	3.11	-0.18	97		4.39	0.36	105	0.35	8
FEV1 (L)	2.03	2.35	-2.23	63		2.32	-1.69	72	0.29	9
FEV1/FVC	0.50	0.65	-3.02	65		0.53	-2.82	68		4
FET (s)	11.71					11.32				-3
MEP (cmH2O)		50.09								
MIP (cmH2O)		-40.69								

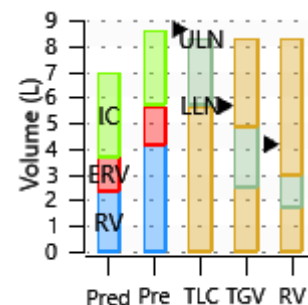
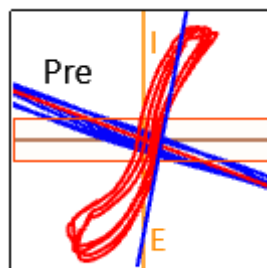
Reference values: GLI Global (Race-neutral) 2022 Test quality: Pre: FEV1 - A, FVC - A; Post: FEV1 - A, FVC - A



PLETHYSMOGRAPHY (Pre-Bronchodilator)

	Result	LLN	ULN	Z Score	%Pred
TLC (Pleth) (L)	8.64	5.67	8.27	2.11	123
SVC (L)	4.47	3.11	5.23	0.49	107
IC (L)	2.98				107
ERV (L)	1.34				96
RV (Pleth) (L)	4.17	1.73	2.96	4.89	178
RV/TLC (Pleth) (...)	48	27	41	3.20	140
TGV (L)	5.66	2.48	4.85	2.78	154
Raw (cmH2O/L/s)	1.09	0.66	2.24	-0.74	75
sGaw (l/cmH2O*s)	0.13	0.08	0.32	-0.98	65

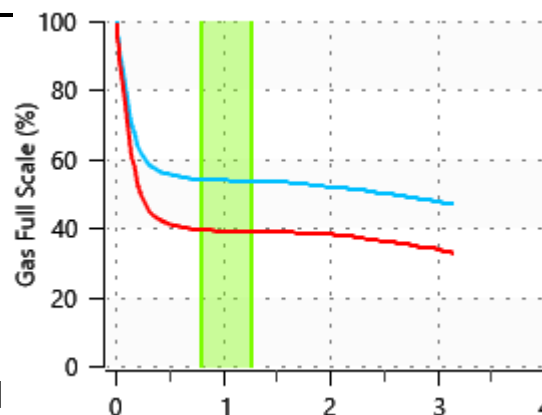
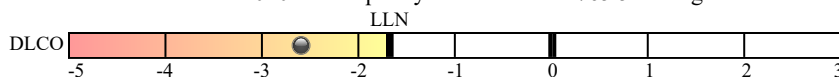
Reference values: ITS Test quality: QA met



DIFFUSING CAPACITY (Pre-Bronchodilator)

	Result	LLN	ULN	Z Score	%Pred
DLCOunc (ml/min/mmHg)	16.15				
DLCOcor (ml/min/mmHg)	16.20	19.70	34.63	-2.63	61
DLCO (at standard PB)	16.20	19.70	34.63	-2.63	61
DLCO (pred adj Hb)					
Hgb (gm/dL)					
VA (L)	7.27	5.20	7.78	1.03	112
TLC (SB) (L)	7.43				
VI/VC (%)	95				
Kco (ml/min/mmHg/L)	2.23	3.11	5.28	-3.18	53

Reference values: GLI DLco 2020 Test quality: A Bar. Pres.: 765.5 mmHg



Technician Comments: PFT completed today. 3 puffs of Albuterol given via MDI with spacer. No Hgb drawn in the last 30 days. Good patient effort & cooperation. The results of this test meet the ATS standards for acceptability and repeatability.

Tests performed: Spirometry with and without bronchodilator, lung volumes by body plethysmography, single breath diffusing capacity. Reference values: Race neutral Global lung initiative for spirometry and DLCO, Intermountain thoracic society for lung volumes. Test quality was high.

Interpretation: Spirometry shows a reduced FEV1/FVC ratio indicating obstruction. The post-bronchodilator FEV1 is 2.32 L (Z-score -1.69, 72% of predicted), there is no significant change after inhaled bronchodilator. The flow volume loop is compatible with expiratory airflow obstruction. Lung volume testing the total lung capacity is mildly elevated. The residual volume is elevated, the RV/TLC ratio is also increased. Diffusing capacity is moderately reduced, with a normal alveolar volume.

Conclusion: Mild obstruction is present, without acute response to inhaled bronchodilator. Lung volumes indicate hyperinflation and air trapping. Diffusing capacity is moderately reduced. This test is compatible with emphysema although clinical and imaging correlation is needed. Absence of an acute bronchodilator response does not preclude use of bronchodilators in clinical management when it is appropriate.

Marvin Balaan, MD, FCCP
Pulmonary, Allergy, Critical Care and Sleep Medicine
Allegheny Health Network
Director, Pulmonary Function Laboratory and Respiratory
Care Services