

Right Ventricular Response to Exercise Among Patients With Chronic Obstructive Pulmonary Disease

NCT05896579

Status	RECRUITING
Phase	Not Applicable
Sponsor	University of Colorado, Denver
Enrollment	60 participants

Plain Language Summary

This study is looking at how COPD (a lung disease) affects the right side of the heart. Researchers will use heart catheterization, imaging, and exercise tests to better understand right heart problems in COPD patients whose lung scans show an enlarged pulmonary artery.

****You may be eligible if...****

- You have been diagnosed with COPD confirmed by breathing tests
- Your chest CT scan shows an enlarged pulmonary artery (the vessel from the heart to the lungs)

****You may NOT be eligible if...****

- You had a COPD flare-up or took oral steroids in the past 3 months
- You changed your COPD medications in the past 3 weeks
- You need high-flow supplemental oxygen
- You have uncontrolled high blood pressure, heart failure, significant heart valve disease, or poorly controlled diabetes
- You have another lung disease such as pulmonary fibrosis
- You have significant fluid retention (swelling)

Talk to your doctor to see if this trial is right for you.

Key Eligibility Criteria

Inclusion (1)

- COPD (determined by ratio of forced expiratory volume in 1 second to forced vital capacity $[FEV1/FVC] < 0.7$) • Age ≥ 40 years

Exclusion (20)

- Exacerbation of COPD or use of systemic corticosteroids in the 3 months prior to enrollment
- Change in COPD therapy in the 3 weeks prior to enrollment
- Requirement of >6 LPM supplemental oxygen at rest
- Requirement of >10 LPM supplemental oxygen with exertion
- Active/uncontrolled cardiovascular disease (e.g. hypertension with blood pressure $>150/100$ despite antihypertensives; coronary artery disease with angina; left ventricular ejection fraction $\leq 40\%$; arrhythmia; pulmonary, mitral or aortic valvular abnormality greater than mild in severity; tricuspid regurgitation greater than moderate in severity; diabetes with HbA1c $>8.5\%$)

... and 15 more (see full listing online)

Locations (1 total)

University of Colorado Anschutz Medical Campus, Aurora, Colorado, United States

<https://clinicaltrials.gov/study/NCT05896579>

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