

Quantitation and Spatial Registration of Airways Dysfunction With Dynamic 19F MRI in Cystic Fibrosis

NCT06057714

Status	RECRUITING
Sponsor	University of North Carolina, Chapel Hill
Enrollment	30 participants

Key Eligibility Criteria

Inclusion (7)

- Subjects must be ≥18 years of age
- Non-smokers (<10 pack/year history and no active smoking in the past year)
- Diagnosis of cystic fibrosis via standard sweat chloride/phenotypic features/genotyping
- No use of supplemental oxygen
- Stable lung function (within 10% of personal best in the last 6 months) with no pulmonary exacerbations in the past 4 weeks and baseline FEV1 ≥60% of predicted
- ... and 2 more (see full listing online)

Exclusion (34)

- Subjects presenting with any of the following will not be included in the trial:
- Active or past smokers or vapers with less than 1 year since quitting or >10 pack-year smoking history
- Unable to undergo a 3.0-Tesla MRI exam of the lungs and chest because of contraindications including
- Occupation (past or present) of machinist, welder, or grinder;
- Injury to the eye involving a metallic object
- ... and 29 more (see full listing online)

Locations (1 total)

University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States