

# Hyperpolarized Xenon-129 MR Imaging of the Lung

NCT04662658

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<b>Status</b>	RECRUITING
<b>Phase</b>	Phase 1, Phase 2
<b>Sponsor</b>	University of Virginia
<b>Enrollment</b>	24 participants

## Key Eligibility Criteria

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### Inclusion (5)

- Male and female subjects 21-30 years of age
- At baseline health with no recent illnesses or medical conditions that would preclude enrollment as assessed by the Principal Investigator
- Ability to understand a written informed consent form and comply with the requirements of the study.
- E-cigarette use for more than 6 months preceding the date of enrollment and less than a 5 pack year smoking history (e-cigarette users) OR less than a 5 pack year smoking history (non-smoker group).
- No diagnosis of any lung disease (pre-bronchodilator FEV1/FVC normal on the day of screening defined by  $\geq$  95thCI of NHANES III, ATS/ERS guideline)

### Exclusion (7)

- History of any lung disease
- Control (non-smoking) group: History of illegal drug use by inhalation
- History of CNS disease including stroke and dementia, end-stage liver disease, coronary artery disease, renal failure
- Acute infection of any kind in the previous 6 weeks
- Pregnancy or a possibility of pregnancy
- ... and 2 more (see full listing online)

## Locations (1 total)

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Snyder Building 480 Ray C. Hunt Drive, Charlottesville, Virginia, United States