

Pulmonary Ventilation Heterogeneity Determined by EIT During PFT in Subjects With Normal One-second Rates

NCT06407986

Status RECRUITING
Sponsor Sir Run Run Shaw Hospital
Enrollment 150 participants

Key Eligibility Criteria

Inclusion (2)

- Age ≥18 years old. Patients who need to complete lung function tests assessed by outpatient physicians.
- Patients willing to participate in the study and sign an informed consent form.

Exclusion (5)

- Patients with FEV1/FVC less than 0.7 after a bronchiectasis test. Patients with a history of lung diseases other than COPD, previous lung surgery, or radiation therapy.
- Patients who cannot be evaluated for EIT or who interfere with EIT results, such as implanted pacemakers/cardioverters.
- Patients who cannot complete EIT or may interfere with EIT results, such as those with implanted pacemakers/defibrillators.
- Patients who cannot complete lung function tests, such as myocardial infarction or shock in the past 3 months; severe heart failure or angina in the past 4 weeks uncontrolled hypertension (systolic >200 mmHg, diastolic >100 mmHg) severe hyperthyroidism etc.
- Vulnerable populations, including patients with mental illnesses, cognitive impairments, critically ill patients, illiterate, pregnant women, etc.

Locations (1 total)

Sir Run Run Shaw Hospital, Hangzhou, Zhejiang, China