Prediction of COPD Severity Using Electrical Impedance Tomography

NCT06359145

Status	RECRUITING
Sponsor	Chinese PLA General Hospital
Enrollment	150 participants

Plain Language Summary

This study is looking at whether a non-invasive imaging technology called Electrical Impedance Tomography (EIT) — which measures how electrical signals travel through the lungs — can accurately predict the severity of COPD (chronic obstructive pulmonary disease) without requiring a traditional breathing test.

You may be eligible if...
- Your doctor suspects you may have COPD based on your symptoms and physical exam, but you have not yet had a confirmed diagnosis
- You are over 20 years old and able to communicate with medical staff
- You are willing to sign an informed consent form

You may NOT be eligible if...
- You refuse the EIT examination
- Your CT scan information is incomplete, or your CT scan and breathing test were done more than 180 days apart

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

Key Eligibility Criteria

Inclusion (3)

- Clinical physicians suspect a patient may have COPD based on symptoms and physical examination, but a definitive diagnosis has not been confirmed through PFTs.
- Age \> 20 years, and be able to communicate with doctors.
- Willing to sign informed consent for the course of the study.

Exclusion (2)

- Patient refusal of EIT examination.
- The CT scan information is incomplete, and the interval between the pulmonary function test and the CT scan is more than 180 days.

Locations (1 total)

PLA, Beijing, Beijing Municipality, China