

Pleural Strain by Speckle-Tracking Ultrasound: Feasibility and Driving Pressure Associations

NCT06911450

Status	RECRUITING
Sponsor	First Affiliated Hospital of Wannan Medical College
Enrollment	75 participants

Key Eligibility Criteria

Inclusion (8)

- Phase 1: Feasibility Assessment in Non-Mechanically Ventilated Patients
- Adult patients (≥18 years) admitted to the ICU with an APACHE II score >8.
- Non-mechanically ventilated patients (either spontaneously breathing or receiving only non-invasive oxygen therapy).
- Adult patients (≥18 years) admitted to the ICU with an APACHE II score >8.
- Receiving invasive mechanical ventilation for >24 hours.
- ... and 3 more (see full listing online)

Exclusion (19)

- History of thoracic surgery or trauma.
- Presence of pneumothorax or chest trauma (e.g., rib fractures, flail chest).
- Pregnancy or age <18 years.
- Refusal to participate by the patient or legal representative.
- Poor ultrasound image quality (e.g., unclear pleural visualization).
- ... and 14 more (see full listing online)

Locations (1 total)

The First Affiliated Hospital of Wannan Medical College (Yijishan Hospital of Wannan Medical College), Wuhu, Anhui, China