

Effect of EIT-guided PEEP in ARDS Patients With Higher Recruitability

NCT06990477

Status	RECRUITING
Phase	Not Applicable
Sponsor	Southeast University, China
Enrollment	264 participants

Key Eligibility Criteria

Inclusion (4)

- Age ≥ 18 years
- Moderate-to-severe ARDS, defined by the ARDS Definition Task Force in the Berlin definition (partial pressure of arterial oxygen \backslash [PaO₂]:FiO₂ ratio ≤ 200 mmHg with a PEEP ≥ 5 cmH₂O)
- RI ratio ≥ 0.5 measured for clinical reasons in the previous 24 hours
- Diagnosis of ARDS less than 72 hours

Exclusion (13)

- Expected to be mechanically ventilated for less than 48 hours
- Severe chronic respiratory diseases requiring long-term home oxygen therapy or noninvasive MV
- Undrained pneumothorax or subcutaneous emphysema
- Undergoing extracorporeal membrane oxygenation (ECMO) before enrollment
- Contraindication to the use of EIT (pacemaker, automatic implantable cardioverter defibrillator, and implantable pumps)
- ... and 8 more (see full listing online)

Locations (3 total)

Department of Critical Care Medicine, Zhongshan Hospital of Fudan University, Shanghai, China Mainland, China
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Zhongda Hospital, School of Medicine, Southeast University, Nanjing, Jiangsu, China