

A Pilot Trial of Pressure Muscle Index-Targeted PSV Trial

NCT06769360

Status	RECRUITING
Phase	Not Applicable
Sponsor	Capital Medical University
Enrollment	60 participants

Key Eligibility Criteria

Inclusion (4)

- PSV initiated during the last 24 hours, whether transition from controlled modes or primary initiation;
- Mechanical ventilation expected to be required for at least 24-48 hours by responsible physicians;
- The partial pressure of oxygen in arterial blood (PaO₂)/inspired oxygen fraction (FiO₂) \geq 300 mmHg (measuring at clinical FiO₂ and positive end-expiratory pressure \[PEEP\]);
- No sedation or stable sedation with Richmond Agitation Sedation Scale (RASS) of -2 to +1 or Riker's Sedation-Agitation Scale (SAS) of 3 to 4.

Exclusion (9)

- Age younger than 18 years old;
- Initiation of PSV before ICU admission;
- Duration of mechanical ventilation longer than 7 days before enrollment;
- History of neuromuscular diseases;
- Clinical suspicion of increased intracranial pressure;
- ... and 4 more (see full listing online)

Locations (1 total)

Beijing Tiantan Hospital, Beijing, Beijing Municipality, China