

Electrical Activity of the Diaphragm and Respiratory Mechanics During NAVA

NCT05689476

Status	RECRUITING
Phase	Not Applicable
Sponsor	University of Padova
Enrollment	40 participants

Key Eligibility Criteria

Inclusion (5)

- Age \geq 18 y.o.
- Admission to ICU for post-operative monitoring after LTx or acute respiratory failure needing invasive mechanical ventilation
- Presence of spontaneous breathing activity
- Sedation titrated to a target RASS between 0 and -2
- Written informed consent obtained

Exclusion (7)

- Contraindication to nasogastric tube insertion (gastroesophageal surgery in the previous 3 months, gastroesophageal bleeding in the previous 30 days, history of esophageal varices, facial trauma)
- Increased risk of bleeding with nasogastric tube insertion, due to severe coagulation disorders and severe thrombocytopenia (i.e., INR \geq 2 and platelets count $<$ 70.000/mm³)
- Severe hemodynamic instability (noradrenaline \geq 0.3 μ g/kg/min and/or use of vasopressin)
- Postoperative extracorporeal respiratory support (ECMO)
- Pre-operative reconditioning of the transplanted lungs by means of ex-vivo lung perfusion (EVLP)
- ... and 2 more (see full listing online)

Locations (1 total)

Institute of Anaesthesia and Intensive Care, Padua University hospital, Padova, Italy, Italy