

Comparing Electromyography of the Diaphragm With Ultrasound in Neonates and Children With Respiratory Support

NCT05965830

Status RECRUITING
Sponsor Leiden University Medical Center
Enrollment 50 participants

Key Eligibility Criteria

Inclusion (6)

- Age between 0 - 12 months of age at the moment of inclusion and born e 37 weeks gestational age.
- Specific patients cohort PICU:
- pediatric patients with invasive respiratory support comply with the extubation readiness test (ERT) criteria
- No spontaneous breathing for the duration of the assessment
- Written parenteral informed consent (IC)
- ... and 1 more (see full listing online)

Exclusion (6)

- Unilateral diaphragm paresis diagnosed by ultrasound
- Congenital malformations not compatible with dEMG
- Need of cardiac pacing
- Congenital muscle atrophy disorder
- Clinical instability requiring frequent interventions by the nursing staff that may interfere with the measurements
- ... and 1 more (see full listing online)

Locations (1 total)

Pediatric Intensive Care Unit, Leiden, Netherlands