

Transcutaneous pO₂ Monitoring in PICU

NCT07478380

Status	RECRUITING
Sponsor	Istanbul Medeniyet University
Enrollment	50 participants

Key Eligibility Criteria

Inclusion (6)

- Eligibility Criteria
- Age between 1 month and 18 years
- Admission to the Pediatric Intensive Care Unit (PICU)
- Presence of an arterial catheter allowing arterial blood gas (ABG) sampling
- Simultaneous or paired transcutaneous pCO₂ and pO₂ monitoring available
- ... and 1 more (see full listing online)

Exclusion (5)

- Severe skin disease, burns, or local skin infection at the transcutaneous sensor site
- Severe peripheral perfusion impairment (e.g., refractory shock or high-dose vasopressor support)
- Congenital or acquired conditions interfering with accurate transcutaneous measurements
- Technical failure or inability to obtain reliable transcutaneous readings
- Missing or incomplete paired ABG-transcutaneous measurement data

Locations (1 total)

Göztepe Prof. Dr. Süleyman Yalçın City Hospital, Istanbul, Kadıköy, Turkey (Türkiye)