

Clinical Decision Support Tool in PARDS Pilot Study

NCT04068012

Status	RECRUITING
Phase	Not Applicable
Sponsor	Children's Hospital Los Angeles
Enrollment	180 participants

Key Eligibility Criteria

Inclusion (4)

- Children \geq 1 month of age and \geq 44 weeks gestation and \leq 18 years of age AND
- Supported on mechanical ventilation with pulmonary parenchymal disease (i.e. Pediatric Acute Respiratory Distress Syndrome (PARDS)) with Oxygen Saturation Index (OSI) \leq 5 or Oxygenation Index (OI) \leq 4 AND
- Who are within 72 hours of initiation of invasive mechanical ventilation AND
- Who are anticipated to require \geq 72 hours mechanical ventilation.

Exclusion (3)

- Conditions on enrollment that preclude conventional methods of weaning (i.e., status asthmaticus, severe lower airway obstruction, bronchiolitis, critical airway, Extra Corporeal Life Support (ECLS), intubation for Upper Airway Obstruction, Do Not Resuscitate orders, severe chronic respiratory failure, spinal cord injury above lumbar region, cyanotic heart disease (unrepaired or palliated)) OR
- Conditions precluding the use of permissive hypercapnia or hypoxemia (i.e. intracranial hypertension, severe pulmonary hypertension)
- Primary Attending physician refuses to enroll the patient

Locations (8 total)

Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, Illinois, United States
Riley Hospital for Children, Indianapolis, Indiana, United States
Penn State University, Hershey, Pennsylvania, United States
... and 5 more locations