

ARDS in Children and ECMO Initiation Strategies Impact on Neurodevelopment (ASCEND)

NCT05388708

Status RECRUITING
Sponsor University of Michigan
Enrollment 550 participants

Key Eligibility Criteria

Inclusion (5)

- Time between intubation and ECMO cannulation is less than 240 hours (10 days)
- ECMO support type is respiratory (VV or VA cannulation)
- Chest radiograph with bilateral lung disease
- Moderate or severe pediatric ARDS as measured by oxygenation index or oxygen saturation index after intubation and prior to ECMO cannulation:
 - One OI \leq 16 or Two OIs \leq 12 and \leq 16 at least four hours apart or Two OSIs \leq 10 at least four hours apart or One OI \leq 12 and \leq 16 and One OSI \leq 10 at least four hours apart

Exclusion (22)

- Previously enrolled in PROSpect
- Perinatal related lung disease
- Congenital diaphragmatic hernia or congenital/acquired diaphragm paralysis
- Respiratory failure caused by cardiac failure or fluid overload
- Cyanotic congenital heart disease

... and 17 more (see full listing online)

Locations (99 total)

Children's of Alabama, Birmingham, Alabama, United States
Phoenix Children's Hospital, Phoenix, Arizona, United States
Arkansas Children's Hospital, Little Rock, Arkansas, United States
... and 96 more locations

<https://clinicaltrials.gov/study/NCT05388708>

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