

# Pediatric Acute Respiratory Distress Syndrome (ARDS) Management Trial

NCT07123961

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Status	RECRUITING
Phase	Phase 2
Sponsor	Children's Hospital of Philadelphia
Enrollment	160 participants

## Key Eligibility Criteria

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### Inclusion (5)

- age  $\geq$  2 weeks ( $\geq$  38 weeks corrected gestational age) and  $<$  18 years (not yet had 18th birthday)
- acute ( $\leq$  7 days of risk factor) respiratory failure requiring invasive mechanical ventilation
- ventilated with endotracheal tube or tracheostomy for  $\geq$  7 days from risk factor onset
- hypoxemia defined as  $\text{PaO}_2/\text{FIO}_2$  (measurement of the amount of oxygen dissolved in the blood plasma/concentration of inhaled oxygen)  $\leq$  300 (or  $\text{SpO}_2/\text{FIO}_2$  (measurement of the percentage of hemoglobin in your blood that is carrying oxygen/concentration of inhaled oxygen)  $\leq$  315 on Positive End-Expiratory Pressure (PEEP)  $\leq$  5 cmH<sub>2</sub>O (rate of pressure delivery) on two consecutive measurements 4 hours apart and sustained at the time of consent and randomization
- bilateral opacities on chest radiograph as determined by radiologist, clinical attending, or PI

### Exclusion (8)

- hypoxemia caused primarily by hydrostatic pulmonary edema from heart failure or fluid overload
- non-palliated or unrepaired cyanotic congenital heart disease
- ventilated via tracheostomy at baseline prior to acute illness
- obstructive airway disease determined to be the primary cause of respiratory failure
- severe moribund state not expected to survive  $\geq$  72 hours

... and 3 more (see full listing online)

## Locations (1 total)

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The Children's Hospital of Philadelphia, Philadelphia, Pennsylvania, United States

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<https://clinicaltrials.gov/study/NCT07123961>

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