Optimal Ventilation for Cardiac Arrest

Status: RECRUITING

Eligibility Criteria

Sex: ALL
Age: 37 weeks to 18 years old
Healthy Volunteers: This study is NOT accepting healthy volunteers
Inclusion Criteria:

- Invasive airway in place at the start of CPR or airway placed within the first 5 minutes
- Received at least 1 minute of CPR.

Exclusion Criteria:

- Lack of commitment to aggressive ICU therapies (e.g., CPR performed as part of end-of-life care.
- Brain death determination prior to the CPR event.
- Out-of-hospital cardiac arrest was the reason for initial admission to the hospital (known poor outcomes).
- Supported by Veno-Arterial Extra Corporeal Membrane Oxygenation at the start of CPR

Conditions & Interventions

Interventions:
OTHER: OPTI-VENT Bundle, OTHER: Transition, OTHER: None - control
Conditions:
Cardiac Arrest (CA)
Keywords:
Pediatric

More Information

Description:
Pediatric cardiac arrest is a life-threatening problem affecting \>15,000 hospitalized children each year. Less than half of these children survive to hospital discharge, and neurologic morbidity is common among survivors. The objective of this study is to evaluate the effectiveness of the OPTI-VENT bundle to improve survival to discharge with favorable neurological outcome (Pediatric Cerebral Performance Category Score 1-2 or no change from baseline) among children receiving at least 1 minute of CPR.

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