

# Hydrogen's Feasibility and Safety as a Therapy in ECPR

NCT05574296

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<b>Status</b>	RECRUITING
<b>Phase</b>	Phase 1
<b>Sponsor</b>	Boston Children's Hospital
<b>Enrollment</b>	53 participants

## Key Eligibility Criteria

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### Inclusion (5)

- In order to be eligible to participate in this study, an individual must meet all of the following criteria:
- Patients admitted to a cardiac intensive care unit at a participating site with cardiac comorbidity, including congenital heart disease, myocarditis, cardiac arrhythmia, or rejection of a transplanted heart.
- Patients are anticipated to be between birth to 18 years of age, although occasionally a patient over the age of 18 may be enrolled.
- Patient experiencing a refractory cardiac arrest  $\geq 5$  minutes and receiving ongoing CPR in the ICU, cardiac catheterization lab, or cardiac operating room.
- The decision made by the clinical team to resuscitate from ongoing, refractory cardiac arrest using ECPR due to a lack of other available options.

### Exclusion (7)

- Meeting any of the following criterion renders the patient ineligible for the trial:
- Enrollment in the opt-out program.
- Patients known to be pregnant.
- Patients who are prisoners.
- Prior ECPR episode during admission (whether or not they were enrolled in the trial).
- ... and 2 more (see full listing online)

## Locations (4 total)

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Children's National Hospital, Washington D.C., District of Columbia, United States  
Boston Children's Hospital, Boston, Massachusetts, United States  
Children's Mercy Kansas City, Kansas City, Missouri, United States  
... and 1 more locations