Temperature Management and Health-Related Quality of Life in Children 3 Years After Cardiac Arrest

239 children with either out-of-hospital or in-hospital cardiac arrest from Jan 2012 to Dec 2017 w/ ROSC

152 alive @ 3 years

128 underwent health-related QOL assessment

50 of 128 had undergone therapeutic hypothermia (32 degrees C)

KEY TAKEAWAY:
Cardiac arrest treated with therapeutic hypothermia was associated with better health-related quality of life scores as measured by the PedsQL 4.0.

Adjusted* Mean Health-Related QOL Score

- Hypothermia: 79
- No Hypothermia: 63.2
  \[ p = 0.01 \]

- Hypothermia: 79.5
- No Hypothermia: 65.9
  \[ p = 0.001 \]

- Hypothermia: 77.6
- No Hypothermia: 66.4
  \[ p = 0.009 \]

Helpful hint! Higher scores indicate better quality of life.

*Regression adjustment after controlling for: time to this assessment (months) from date of arrest, ECMO, arrest location, lactate after ROSC, preexisting comorbidity, preexisting neuro conditions and duration of mechanical ventilation.