



# **Target Temperature Management**

## **After Pediatric Cardiac Arrest**

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# Target Temperature Management (TTM)

- Therapeutic Hypothermia (TH)
- The intentional lowering of core temperature as a management strategy.
- Neuroprotection (brain, spinal cord)
- Heart, liver

# **ILCOR Consensus Statement**

## **Post-Cardiac Arrest Syndrome**

**Epidemiology, Pathophysiology, Treatment, and Prognostication**

**A Consensus Statement From the International Liaison Committee on Resuscitation (American Heart Association, Australian and New Zealand Council on Resuscitation, European Resuscitation Council, Heart and Stroke Foundation of Canada, InterAmerican Heart Foundation, Resuscitation Council of Asia, and the Resuscitation Council of Southern Africa); the American Heart Association Emergency Cardiovascular Care Committee; the Council on Cardiovascular Surgery and Anesthesia; the Council on Cardiopulmonary, Perioperative, and Critical Care; the Council on Clinical Cardiology; and the Stroke Council**

*Endorsed by the American College of Emergency Physicians, Society for Academic Emergency Medicine, Society of Critical Care Medicine, and Neurocritical Care Society*

*Circulation* 2008;118:2452-83.

# Post-cardiac Arrest Syndrome

1. Post-cardiac arrest brain injury
2. Post-cardiac arrest myocardial dysfunction
3. Systemic ischemia/reperfusion response
4. Persistent precipitating pathology

# Post-cardiac Arrest Brain Injury

Chest 2014;145:386-93.