

Induced Hypothermia

*not intended for use past 4 hours



History

Non-Traumatic Cardiac Arrest
(drowning & hanging are permissible)

Signs & Symptoms

Return of pulse.
Greater than 18 years of age.
Persistent coma with no eye opening to pain, or GCS < 9

Differential

Continue to address specific differentials associated with the original dysrhythmia

Return of spontaneous circulation

Meets criteria for Induced Hypothermia
*see criteria at bottom of page

Advanced airway in place
(King-LTS-D, ETT)

Establish Vascular Access
(IV, IO, Central Line all permissible)

Perform Neuro Exam

Expose patient, apply ice packs around
the head, groin, and axilla

Initiate cold saline bolus 20ml/kg max 2 liters
If history of CHF then 1 liter

Reassess temperature

Shiver Protocol

Ativan or Versed Plus Fentanyl
Magnesium and Tylenol
Warm hands/feet to suppress mild shivering
Persistent Shivering >20min = Vecuronium

Continuous ECG monitoring
and frequent vitals

Continue to monitor
temperature and go to post
resuscitation protocol

Post resuscitation Protocol

Unsuccessful

Airway Management Protocol

Successful

Discontinue Cooling Measures

Post-resuscitation protocol

Criteria for Induced Hypothermia

- ROSC not related to blunt/penetrating trauma
- Age 18 years or older with adult body habitus
- Temperature after ROSC greater than 34°C
- Advanced airway in place with no purposeful response to pain
- Protect patients modesty and leave undergarments in place
- Do not delay transport to cool
- Frequently monitor patients airway and lung sounds
- Patients may develop metabolic acidosis. DO NOT HYPERVENTILATE