

**PRE-HOSPITAL INDUCED HYPOTHERMIA**

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### **INDUCED HYPOTHERMIA**

Following Return to Spontaneous Circulation after cardiac arrest it has been shown that lowering the patient's body temperature May improve outcome.

In a post NON-TRAUMATIC Cardiac Arrest with Return of a Pulse

1. Maintain airway, breathing and circulation
2. Pulse Oximetry, Intubate Patient if not previously done.
3. 12-Lead EKG/Cardiac Monitor
4. Initiate IV access
5. Expose Patient and apply ice packs to the axilla and groin
6. Place an ice pack over IV tubing if possible
7. Give cold saline bolus 30ml/kg to a 2 liter max
8. Dopamine 10 to 20 mcg/kg/min (titrate to effect)
9. Assess temp (<33C Discontinue Cooling) (>33C Continue to cool and monitor patient)

#### **Pearls:**

- Criteria for Induced Hypothermia**
- Age 12 or older with adult body habitus**
- Advanced airway in place with no purposeful response to pain**
- If no advanced airway can be obtained, cooling may only be initiated on order from online medical control**
- Take care to protect patient modesty. Undergarments may remain in place during cooling**
- Do not delay transport to cool**
- Frequently monitor airway, especially after each patient move**
- Patients may develop metabolic alkalosis with cooling. Do not hyperventilate**