Induced Hypothermia

**History**
- Non-traumatic cardiac arrest (drowning and hanging are permissible in this protocol)

**Signs and Symptoms:**
- Return of pulse

**Differential:**
- Continue to address specific differentials associated with the original dysrhythmia

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**Postresuscitation protocol**

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**Criteria for Induced Hypothermia and initial temp >34C**

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**Advanced airway in place with ETCO₂ > 20 mmHg?**

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**Perform Neuro Exam Per IH Job Aide**

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**Expose Patient**
- Apply Ice Packs to Axilla and Groin

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**Cold Saline Bolus 30 mL/kg to max 2 liters**

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**Dopamine 10-20 mcg/kg/min taregt MAP 90-100**

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**Reassess Temperature**
- >33 C, No Shivering

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**>33 C and Pt Shivering**
- Etomidate 20 mg IV/IO
  - Still Shivering
    - Consider Vecuronium 0.15 mg/kg to max 10 mg

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**Discontinue Cooling Measures**

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**Postresuscitation protocol**

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**Legend**

- EMT
- EMT-I
- EMT-P
- APP
- MC Order

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 pearls:
- Criteria for Induced Hypothermia
- ROSC not related to blunt/penetrating trauma or hemorrhage
- Age 12 or older with adult body habitus
- Temperature after ROSC greater than 34 C degrees
- 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

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**Version 3.1**

Wake County EMS System Protocols