Inclusion Criteria all must be checked:

- Witnessed cardiac arrest with return of spontaneous circulation (ROSC) within 60 minutes (may include non-cardiac causes such as pulmonary embolism).
- Mean arterial blood pressure maintained greater than 50 either with fluids and/or vasopressors.
- ET intubation with mechanical ventilation.
- Unresponsive after ROSC (GCS of 8 or less not following commands, no speech, no eye opening, and no purposeful movements to noxious stimuli, brainstem reflexes and pathological / posturing movements are permissible.)

Relative Exclusion Criteria:

- Pregnancy
- Age less than 18 years or older, or more than 85
- Existing DNR status
- End Stage terminal illness
- Sustained refractory ventricular arrhythmias despite appropriate therapy
- Active bleeding, GI bleeding, or Intracerebral hemorrhage (ICH) or known coagulopathy.
- Traumatic full arrest
- Another reason for coma or severe neurological dysfunction (i.e. dementia, head trauma, stroke, overt status epilepticus, intracranial hemorrhage) prior to arrest
- Platelet count less than 50,000
- Septic Shock

Baseline Rapid Neurologic Assessment (to be documented before giving sedatives/paralytics):

1. Glasgow Coma Scale: ______ (must be 8 or less to initiate hypothermia)
2. Purposeful movements: □ Yes □ No (must be NO to initiate hypothermia)
3. Oculocephalic intact (by head positioning unless collared): □ Yes □ No
4. Gag Reflex: □ Yes □ No
5. Muscle Tone Increased: □ Yes □ No
6. Myoclonus □ Yes □ No
7. Plantar Reflex: Absent Up Down
8. Cough: □ Yes □ No
9. Corneal Reflex: □ Yes □ No
10. Pupil Sizes: Left ______mm reactive or non-reactive / Right ______mm reactive or non-reactive
11. Symmetric: □ Yes □ No
12. Pupil Reactivity: □ Brisk □ Sluggish □ Fixed

** Does the patient meet criteria for Hypothermia Therapy? □ Yes □ No

If Positive Screen:

1. Admit to or Consult Cardiologist of Choice or Intensivist for Hypothermia therapy STAT.
2. If in house notify Attending or Admitting physician STAT
3. Call for ICU bed or Cath Lab team STAT
4. Patient will need intubation, central line placement and arterial line placement ASAP.
5. Goal of hypothermia initiation is within 3 hours of hospital arrival.

Physician decision

- Do not initiate therapy
- Initiate therapy

Person Performing Screen: ___________________________ Date: ___________ Time: ___________

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Memorial

Building a Healthier Community

Hypothermia (Adult Induced) Screening Post Cardiac Arrest

2057-CS 8/3/10