ATTENTION PHYSICIANS: Please indicate dose, route and frequency of each medication ordered. Medications are discontinued per hospital policy unless otherwise specified.

Inclusion Criteria:
- Witnessed cardiac arrest with return of spontaneous circulation (initial rhythm: ventricular fibrillation, pulseless ventricular tachycardia, pulseless electrical activity, or asystole).
- Men and Women age 18 years or older.
- Women of childbearing age must have a documented negative pregnancy test
- Unresponsive (GCS less than or equal to 8) after return of spontaneous circulation (ROSC)
- Endotracheal Intubation with mechanical ventilation
- Blood pressure can be maintained at least 90 mmHg systolic either spontaneously or with fluid and pressors.
- No limit on duration of resuscitation effort; however “down time” of less than 30 minutes most desirable.

Exclusion Criteria (one variable excludes patient):
- Comatose due to other causes (e.g.: drug overdose, head trauma, status epilepticus)
- Pregnancy
- Temperature of less than 30°C after cardiac arrest
- Known, pre-existing coagulopathy or bleeding
- Glasgow Coma Scale equal or greater than 8
- DNR code status

Diagnosis: ________________________________________________________
Condition: Critical

Allergies:
1. Admit to:
2. Activity: Bedrest with head of bed @ 30°
3. Diet: NPO for 48 hours
4. Vital signs: every 15 minutes for 1 hour, then every hour, including shivering assessments
5. Place Foley catheter with thermistor (YSI 400 series)
6. Check physician orders for vital sign parameters
7. Labs: on admission, at 12 hours, 24 hours and 48 hours BMP, CBC, Magnesium, Phosphate, PT/APTT, Ionized Ca, ABG’s, Lactate, Troponin, Amylase, Lipase
8. Arterial line for BP monitoring.
9. IV fluids: 0.9 Saline @ ________________ml/hr. If possible, use 250 ml bags cooled in refrigerator until goal temperature attained.

10. **Physician must complete ventilator order form #P-601.20**
11. Do not wean ventilator or interrupt sedation during cooling phase
12. Respiratory Therapy to decrease circuit temperature on ventilator tubing
13. Consult Neurology service
14. Medications
   A. Use fentanyl prescribed on Adult Critical Care Ventilator Initiation Orders and titrate as needed to maintain quiet, motionless state and/or to prevent shivering.
   B. Use midazolam or propofol per vent orders
   C. Avoid lorazepam due to long acting effects.
   D. Do not use PAS for DVT prophylaxis during cooling phase due to increased heat retention. Use heparin or delteparin per vent orders
   E. ______________________________________________________
   F. ______________________________________________________

Authorization is granted to supply by non-proprietary name as per formulary policy unless checked here. 

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ATTENTION PHYSICIANS: Please indicate dose, route and frequency of each medication ordered. Medications are discontinued per hospital policy unless otherwise specified.

12. Initiate cooling orders:

Initiate cooling blanket (Arctic Sun Protocol) set to Auto Mode to maintain patient temperature at 33°C for 24 hours after patient reaches target temperature. (see reverse)

OR

For manual cooling place ice packs to the armpits, neck, torso, groin and limbs. Cool until the patient reaches 34°C. Remove ice packs and cooling blanket if necessary to maintain temperature 32-34°C. Record time clearly on flow sheet the first time patients temperature drops below 34°C.

16. Record time clearly on flow sheet the first time patient temperature drops below 34.0°C

17. Assess for shivering and document hourly:

Shivering scale:

0 = no shivering
1 = one or more of the following: piloerection, peripheral vasoconstriction, peripheral cyanosis without other cause, but without visible muscular activity
2 = visible muscular activity confined to one muscle group
3 = visible muscular activity in more than one muscle group
4 = gross muscular activity involving the entire body

Call physician for a score of 2 or more for greater than 5 minutes

18. Rewarming orders:

Twelve (12) hours after attaining temperature less than 34°C Celcius begin re-warming. Set the target temperature in Auto Mode to 37, then set the time to target screen for “Warm” to 0.35°C/hour. Keep the Arctic Sun ON to maintain body temperature at 37 for 12 hours after the target temp of 37°C is attained (see reverse)

OR

rewarm passively by removing all cooling methods. Cover in dry sheets or warm blankets.

19. Call physician for:

Potassium less than 3.4 or Magnesium less than 2

Uncontrolled shivering

HR less than 50 or greater than 110 bpm, SPB less than 80 mmHg or greater than 180 mmHg

If Arctic Sun water temperature drops below 10°C after target temperature has been attained

18. For assistance page Dr. ____________________________ by pager ____________________________

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Doctor
X

Reg. No.

Date

Time

Noted By
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R.N.

Date

Time