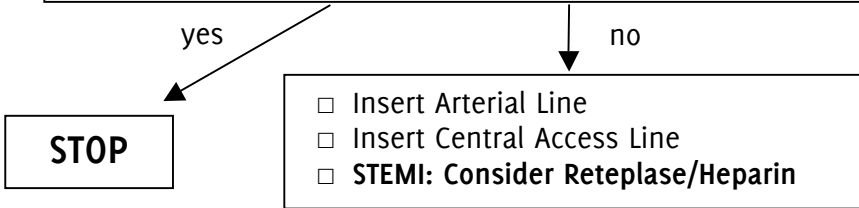


Appendix D. Hypothermia Protocol Flow Sheet

- INCLUSION CRITERIA**
- Post cardiopulmonary arrest (VF/pulseless VT/unknown)
 - <15 min. from collapse to attempt at CPR
 - Time of collapse to return of spontaneous circulation < 30 min
 - Initiation of hypothermia <6 hours from arrest
 - Initial temperature > 30°C
 - No command following
 - No level short of brain death precludes cooling

- EXCLUSION CRITERIA**
- DNR, Terminal illness, poor baseline function
 - Coma unrelated to arrest (Intox, CVA, Electrolytes, Status, etc.)
 - Active severe bleeding, INR >1.7, PTT>1.5x normal, Plts < 50,000
 - MAP<60 mmHg for >30 minutes requiring >1 pressor
 - O2 sat<85% for >15 minutes
 - Uncontrolled cardiac arrhythmia
 - History of Cryoglobulinemia
 - Pregnancy



- Order:**
- Acetaminophen 650 mg PO q4-6h standing
 - Buspirone 30 mg PO q8 standing
 - Bairhugger to bedside

- If Temp >34°C, infuse 500 cc of 4.4°C Normal Saline q10 minutes until temp reaches 35.5°C or 30cc/kg total IV bolus
- Initiate Cooling with Arctic Sun Device
- Cool to target of 32-34°C x 24h
- Rewarming: after 24 hours increase temp on cooling device by 0.05-0.1°C per hour
- Maintain patient at 37°C x 24-48 h

- Active Rewarming:** Discontinue and actively rewarm at 0.33°C per hour if patient develops hemodynamically unstable arrhythmia, sustained MAP<60 x 15 min. after resuscitation*, or severe bleeding

- Monitor:** Send surveillance blood, urine, sputum cultures every 48 hours if device water temperature < 20°C during this interval, as surrogate for fever

- *Resuscitation:**
1. Adjust/titrate down shivering meds (if still shivering consider neuromuscular blockade)
 2. 500 ml NS bolus (may repeat)
 3. Norepinephrine (up to 15 mcg/minute)