

STAT / NOW

Date: _____ Time: _____	
Admit to the ICU s/p _____ Attending: _____	
Allergies: _____	
<ul style="list-style-type: none"> ■ Call ICU Fellow at X 6141 when protocol is initiated ■ Insert ICY Femoral Catheter (Dwell Time x 4 days (96 hours)) <input type="checkbox"/> If patient is not a candidate for femoral placement, insert Cool Line catheter in subclavian <input type="checkbox"/> Obtain STAT PCXR for subclavian placement ■ Give Iced Normal Saline 2 Liters IV times one, if not given in ED. Saline stored in refrigerator in all ICU nursing stations. ■ Insert Esophageal Temperature probe. Connect temperature probe into T1 of Thermogard® machine ■ Set Thermogard® to automatic mode- MAX POWER to achieve patient target temperature of 33 C degrees ■ Record time Initiated ■ Record time when patient achieves 33 C Degrees ■ After reaching Target Temperature (33C Degrees), maintain target temperature (33C Degrees) x 24 hours ■ Record Esophageal Temperature hourly then every 4 hours obtain temperature from alternate site ■ Ice packs to neck, axillae, groin and head until core temperature is 33C degrees, then remove ice packs when 33 C degrees ■ Insert Foley Catheter, if not already placed in ED ■ Assess for shivering Q15 minutes x 4 then Q1 hour. Use the Bedside Shivering Scale (BSAS). ■ If patient BSAS greater than 1, begin forced warm air (Baer Hugger). Set Baer Hugger at Maximum temperature setting of 43C Degrees 	
Bedside Shivering Scale (BSAS)	
0	None: No shivering noted on palpation of masseter, neck or chest wall
1	Mild: Shivering localized to the neck and/or thorax only
2	Moderate: Shivering involves gross movement of the upper extremities (in addition to neck and upper extremities)
3	Severe: Shivering involves gross movements of the trunk and upper extremities
<p>Lab Tests:</p> <p align="center"><i>Note: Must Temperature Correct ALL ABG's; Use patient ACCURATE Temperature.</i></p> <ul style="list-style-type: none"> ■ <u>On Arrival:</u> BMP, Ionized Calcium, Magnesium, CBC with diff, PT/PTT/ INR, Fibrinogen, liver profile, ABG with lactate ■ <u>Every 2 hours:</u> Blood Glucose checks ■ <u>Every 6 hours:</u> BMP, Ionized Calcium, and Magnesium ■ <u>Every 6 hours times two:</u> Cardiac Enzymes (Total of 3 sets) ■ <u>Every 12 hours:</u> Lactate and ABG ■ <u>Every Day:</u> Liver profile, lipase, CBC with diff, PT/PTT/INR 	
<hr/> <p align="center">NURSE SIGNATURE</p> <p>Date: _____ Time: _____</p>	<p align="center">Pharmacy Scan Time</p> <p align="center">_____</p> <hr/> <p align="center">PHYSICIAN SIGNATURE BEEPER#</p> <p align="center">Date/Time Required for countersignature on telephone/ verbal orders</p> <p>Date: _____ Time: _____</p>

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Medications:

Shivering:

- Buspirone 10 mg PO/OGT Q 8 hours; first dose now to prevent shivering. D/C when patient in 37C Degrees or higher
- Fentanyl 50 mcg IV Q 10 minutes times 5
- Ativan 1 mg IV Q10 minute times 5

Note: To prevent shivering give Ativan and Fentanyl together

- If patient continues to shiver, Vecuronium 10 mg IV times one, then Cisatracurium (Nimbex) infusion per ICU sedation protocol
- Discontinue Cisatracurium (Nimbex) when patient's temperature greater than 36 C Degrees

Sedation:

- Fentanyl Infusion: Fentanyl 50 mcg/hr IV, adjust 25 mcg/hr Q 20 minutes prn to MAXIMUM of 300 mcg/hr
- Ativan 2mg IVU Q2 hour prn sedation/agitation
- Call ICU Fellow for addition sedation orders.
- No sedation interruption for 24 hours of cooling

Blood Pressure Management:

- Norepinephrine infusion—titrate to maintain MAP greater than 65 mmHg
- Nicardipine infusion—titrate to maintain MAP less than 90 mmHg
- Other _____

Protocols:

- Initiate Electrolyte Protocol. Watch for HYPOkalemia during cooling and HYPERkalemia during rewarming
- Initiate IV Insulin Protocol if Blood Glucose greater than 150 for 2 consecutive measurements.

Diet:

- NPO during induced hypothermia

Rewarming:

- Continue cooling for 24 hours after reaching target temperature of 33C Degrees
- After 24 hours of cooling, start rewarming. Record time rewarming initiated.
- Set Thermogard® to **CONTROLLED RATE** of **0.3 Degrees every hour** for Target Temperature 37C Degrees
- After patient rewarmed at 37C Degrees, set Thermogard® to **MAX POWER** and set target temperature of 37C Degrees for next 24 hours. Record time rewarming achieved.

Call ICU Team if:

- HR less than 50 beats per minute or greater than 110 beats per minute
- MAP less than 60 mmHg or greater than 120 mmHg

Other Orders:

- _____
- _____

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