

EQUIPMENT CHECKLIST

1. Arterial line kits (both radial and femoral)
2. Presep central venous catheter
3. Two one liter bags of 4°C 0.9% saline (stored in ED and ICU refrigerators)
4. Gaymar III external cooling device
 - a. Gaymar III with 1 torso and 2 thigh pads
5. Temperature probe foley catheter or esophageal temp probe
1/8 inch to 1/4 inch adapter needed for Gaymar device
6. Neuromuscular blockade monitoring equipment (not required for ED)
 - a. Twitch monitor
 - b. BIS monitor and sensor
7. Rapid access to warmed IV fluid

Celsius	Fahrenheit
38.0	100.4
37.5	99.5
37.0	98.6
36.5	97.7
36.0	96.8
35.5	95.9
35.0	95.0
34.5	94.1
34.0	93.2
33.5	92.3
33.0	91.4
32.5	90.5
32.0	89.6
31.5	88.7
31.0	87.8
30.5	86.9
30.0	86.0

Gaymar III Cooling Unit
Keep device plugged in at all times
Initial Cooling
Infuse 2 liters of 4°C saline IV (peripheral IV preferred) over 30 minutes.
Apply circumferential torso pad to chest and connect to first cooling hose Apply circumferential thigh cooling pads to both thighs. Connect the two thigh pads in series and then connect free ends to second cooling hose.
Connect temperature monitoring foley to temperature monitoring port on cooling device. If urine output less than 4 cc/hr switch to esophageal probe
Initially set device on rapid cooling automatic mode with target temp of 34°C. Once patient reaches 34°C, set on gradual cooling automatic mode at 33°C.
Maintenance of Hypothermia
Keep device set on gradual cooling automatic mode with target temperature set at 33°C.
Rewarming (0.25 °C/hour)
In the gradual automatic mode, increase the patient target temperature setting by 0.5°C every 2 hours until patient temperature reaches 36°C, then discontinue cooling system