

Hypothermia after Cardiac Arrest
Maintenance Phase
December 2013

Maintenance Phase:

Onset: Patient reaches goal temperature (32-34°C):

Duration: 24 hours

No change to Thermogard Setting ("*Max Power*")

Monitor vital signs as above (see "Induction Phase"):

- Strictly maintain temp 32-34°C

- Contact the Neurocritical Care fellow for any temperature less than 32°C or greater than 34°C for longer than 30 minutes (or more than once per hour) for possible troubleshooting.

- Continue to maintain MAP 70-110 via measures noted above

- Continue to target PaCO₂ and PaO₂ parameters as above

Continue Respiratory Measures as above (see "Induction Phase"):

- Hypothermia decreases oxygen requirement and CO₂ production, adjust ventilator settings accordingly.

Continue Sedation as above (see "Induction Phase")

Continue Anti-Shivering Measures as Above (see "Induction Phase")

- Shivering checks can be done q 1 hr during maintenance phase unless there is difficulty maintaining goal temperature.

- If neuromuscular paralysis has been applied, continue train of four monitoring q 1 hr until paralysis is discontinued

Continue Glycemic Control as above (see "Induction Phase")

Check Following Labs q 6 hrs during maintenance phase:

- Blood Gas:

- Analyze at pt's ACTUAL body temperature (see below)

- Maintain PaCO₂ 35-45

- Maintain PaO₂ 100-300

- Lactate

- Continue to maintain stable or downtrending lactate

- Renal Panel:

- Maintain K > 3.5

- fCal:

- Maintain in "high-normal" range

- Magnesium:

- Maintain Magnesium > 2.0

- Phosphorous

Check Following Labs Daily:

- CBC

- PT/INR

- aPT