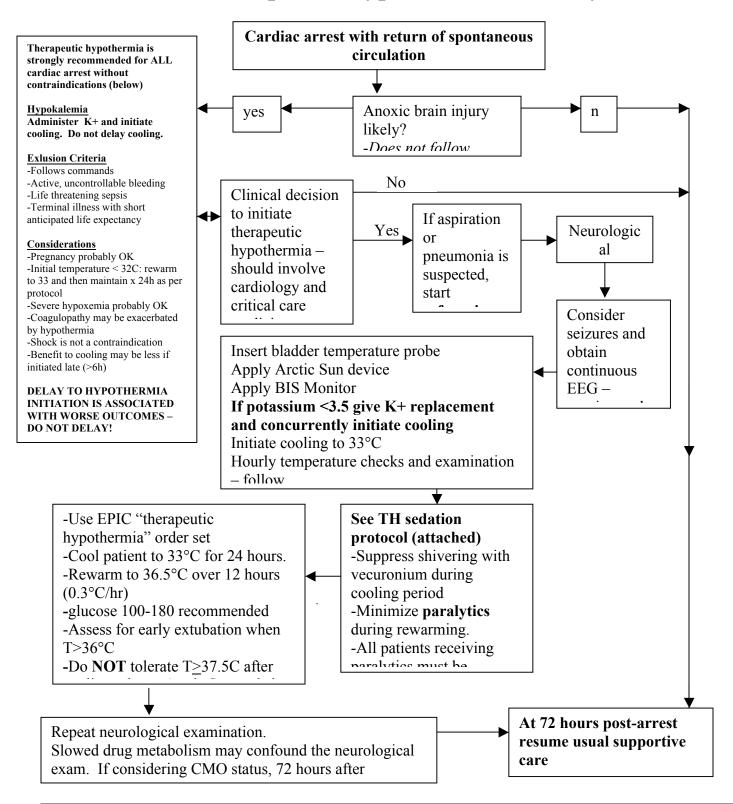
## MAINE MEDICAL CENTER May 2013

## Therapeutic Hypothermia Pathway



- \* see ACLS protocols in Circulation 2005; 112(24):IV84-IV88.
- \*\* Although many institutions routinely cool patients with lung injury, shock, and moderate coagulopathy, data is lacking. It is not known whether hypothermia has neuroprotective effects if therapy is delayed beyond 6 hours after ROSC.
- \*\*\* TH is probably safe in combination with PTCA/PCI, intra-aortic balloon pump placement, and thrombolytics. See Crit Care Med 2006;34(6):1865-73 and Acta Anaesthesiol Scand 2007;51:137-42.
- \*\*\*\* Sirvent JM et al. Protective Effect of Intravenously Administered Cefuroxime Against Nosocomial Pneumonia in Patients with Structural Coma. Am J Respir Crit Care Med 1997; 155; 1729-34.

## **POST-CARDIAC ARREST CHECKLIST**

July 2016

	RN Date	
INITIATE TH/COOLING		
	Baseline labs	
	Replace K+< 4.0 and simultaneously initiate Targeted Temperature	
Ш	Management	
	Maintain target ranges	
	• Mg++>2.0	
	Glucose 120-180 insulin infusion as needed	
	• Titrate FIO2 within 15 min to SPO2 > 94-99% <u>before</u> ABG	
	ABG targets  FIG. 2.1.22	
	o FIO2 94-99%	
	O PCO2 35-45	
	O PO2>80	
	Insert temperature sensing foley per protocol  Cooling initiated with cold fluids, cooling pads applied, and Arctic	
	Cooling initiated with cold fluids, cooling pads applied, and Arctic	
	Sun device started per protocol. Replace 2 bags NS to front refrigerator.	
	Note time and location TTM initiated with cooling pads in EPIC TH	
Ш	flowsheet	
	Target temp 33 C and maintained for 24 hours.	
	<ul> <li>Target temp. should be reached in 4 hrs, if not,</li> </ul>	
	notify/discuss w provider	
	Analgesia/sedation with propofol 20mcg/kg/min and fentanyl drip	
	25mcg/hr – titrate as needed	
	Apply BIS monitor and Bair Hugger- cover hands and feet with	
_	socks	
	CVC, arterial line and notify hemo tech for FloTrac	
	Maintain MAP> 80 at all times, using FloTrac data to titrate CO/CI	
	per protocol	
	Provide family with "Information on Therapeutic Hypothermia"	
teaching brochure		
	Add the "Therapeutic Hypothermia" flowsheet in EPIC and	
docui	ment hourly	

	Notify NEOB; add "Post Mortem" flowsheet for documentation of NEOB
	Tube feeds at 10cc/hr, advance to goal when core temperature >
36	°C
	Continuous EEG, initiated ASAP during working hours, or STAT if seizures suspected. Provider to notify Neuro @ pager #580-5248 □ cEEG tech support M-F 0800-1700 # 662-2389, after hours they can be reached through operator 662-0111. □ Stat Net is a nurse applied option for cEEG monitoring. Equipment is available thru SCU Coord (662-0595).
	Shivering management per protocol, assess/document shivering and BIS hourly and before/after NMB using BSAS. <b>NMB 0.1mg/kg</b> -
	this is weight based without a max dose
	Seizure management per protocol
	Confirm orders for neuron specific enolase and adjust times based
on	Return of Spontaneous Circulation (ROSC)
	Check BMP, K+, Mg++ every 6 hours and Phos every 24 hrs during
	TTM protocol
	Insulin Infusion for glucose >180
REWARMING	
	Initiate rewarming after 24 hr. cooling time completed/Arctic Sun will give -alert
	Rewarm at rate of 0.3C per hour to target temp 36.5C (It should take 12 hrs.)
	NMB should not be administered once temperature >35C
	Continue analgesia/sedation
MAINTENANCE	
	Once normothermic, discuss sedation lightening w Critical Care Team and wean sedation
	Keep Arctic Sun pads in place for additional 36 hrs
	Observe for temperature spikes and rigors and treat per order set
	with <b>Tylenol via OGT</b>
	Refer to resource page in TTM folder for additional details regarding

**PLEASE** PAGE DAVE SEDER WITH QUESTIONS 741-7460!