

Care Set: Hypothermia Post Cardiac Arrest Protocol Critical Care Orders
[X or R] = will be ordered unless marked out.
T= Today; N = Now (date and time ordered)

Heigh	t:cm Weight:kg				
Allergies: [] No known allergies					
[]Medication allergy(s):					
[] Latex allergy []Other:					
	Inclusion criteria- must meet ALL of the	following:			
	1. Witnessed Primary cardiac arrest V	-tach/V-fib with return of spontaneous circulation (ROSC) within 60 minutes			
	of the arrest. Non-shockable pulseless r	nythms may be considered if the etiology is presumed cardiac or if			
	pulmonary embolism is suspected.				
	2. Intubated with mechanical ventilation				
	3. Treatment initiated within 6 hours of arrest				
	4. Systolic BP greater than 90mmHg with or without vasopressors				
	5. GCS less than or equal to 8				
	Absolute Exclusion Criteria- excluded with ANY ONE of the following:				
	1. Intracranial hemorrhage				
	2. DNR				
	3. Coma due to cause other than cardiac arrest				
	4. Known bleeding or on going active bleeding				
	5. Temperature less than 30 degrees Celsius after cardiac arrest				
	6. Pregnancy				
	Relative Exclusion Criteria- Based on Ph	ysician discretion:			
	1. Uncontrolled pulseless arrhythmias after initial ROSC				
	2. Major surgery within 14 days				
	3. Terminal illness				
	4. Poor baseline functional status				
	5. Systemic infection/sepsis				
		Vital Signs			
[R]	Vital Signs	Monitor and Record Resp Rate, Monitor and Record Blood Pressure, Monitor and			
		Record Pulse,q15 min			
[R]	Vital Signs	Monitor and Record Temp, q 30 min, Comment: Esophageal Temp			
[R]	CVP Monitoring	q1 hour			
		Patient Care			
[]	VTE Medical Prophylaxis Orders				
[R]	Sedation Goal Per Riker Scale	Goal: 2 (Very Sedated), Maintain sedation goal of 2 or less			
[R]	Induced Hypothermia Inclusion/Exclusion	T;N			
	Form				
	Note: Elevation of head of bed is contrai	ndicated with spinal surgery within 14 days or severe skin breakdown.			
[]	Elevate Head of Bed	30 degrees Head of Bed			
[]	Central Line Insertion at Bedside Setup	STAT			
1 1	Request Supply to Bedside	T:N, STAT, Arterial Line at Bedside Setup			
	Integrated Supply to Decisiae	1,14, OTAT, Attendi Ellic at Deuslide Octup			

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IV Insert/Site Care



STAT, q4day, large bore



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		Potient Operanding
	Hadrodia a Harana Oathatan Isaada Fallana	Patient Care continued
[]	Indwelling Urinary Catheter Insert - Follow	T;N, Foley catheter with temp probe
	Removal Protocol	Reason:
		[] Continuous irrigation/Med instillation [] Spinal/pelvic issue requires
		immobility
		[] Urethral problems
		[] Acute retention or neurogenic bladder
		[] s/p GYN or genitourinary tract surgery
		[] s/p urologic or colorectal surgery
		[] s/p organ transplant
		[] Vent & paralyzed, condom cath not option
		[] Chronic indwelling or suprapubic cath
		[] Sacral wound (Stage III or IV) w/incont
		[] Post-op surgery less than 24 hours ago
		[] 24hr urine collection and incontinence
		[] Hospice or terminal care
[]	Nasogastric Tube	T;N, Suction Strength: Low Intermittent
[]	Oral Gastric Tube Insert	T;N, Special Instructions: Low Intermittent
[]	Cold Apply	T;N, Apply to: axillae, sides of neck and groin with washcloth between ice packs
		and skin. Apply until cooling blankets started.
		Nursing Communication
[R]	Nursing Communication	T;N, Hypothermia Post Cardiac Arrest Protocol Critical Care: Monitor and
		document skin q2 hours
[R]	Nursing Communication	T;N, Hypothermia Post Cardiac Arrest Protocol Critical Care: Measure cooling
		water temp q 30 min
[R]	Nursing Communication	T;N, Hypothermia Post Cardiac Arrest Protocol Critical Care: Sedation and
		Analgesia orders must be initiated prior to application of cooling wraps and/or
		administration of neuromuscular blockade agents
[R]	Nursing Communication	T;N, Hypothermia Post Cardiac Arrest Protocol Critical Care: Upon reaching goal
		temperature, place order for ISTAT Blood Gases to start in 6 hours and continue
		q 6h for 5 occurrences
[R]	Nursing Communication	T;N, Hypothermia Post Cardiac Arrest Protocol Critical Care: Upon reaching goal
		temperature, place order for Glucose Level and Troponin-I, Time Study to start in
		6 hours and continue q6h for 5 occurrences
[R]	Nursing Communication	Hypothermia Post Cardiac Arrest Protocol Critical Care: Upon reaching goal
		temperature, place order for Potassium Level, Time Study, to start in 6 hours and
		continue q6h for 3 occurrences
[R]	Nursing Communication	Hypothermia Post Cardiac Arrest Protocol Critical Care: Upon reaching goal
		temperature, place order for CBC, BMP, PT/INR, and PTT to start in 24 hours
		and continue q6h for 2 occurrences
[R]	Nursing Communication	T;N, Hypothermia Post Cardiac Arrest Protocol Critical Care: Decrease room
- -		temperature to 60 degrees Fahrenheit.

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	Nursing Communication continued				
[R]	Nursing Communication	T;N, Once patient re-warmed to 37.0 degrees Celsius set cooling equipment at			
		37.0 (range 36.4-37.3 per ACNN Critical Care guidelines) for 48 hours to			
		maintain normothermia.			
[R]	Nursing Communication	T;N, During normothermia phase replace esophageal temperature probe with			
		rectal probe if patient is to be extubated.			
[R]	Nursing Communication	T;N, Hypothermia Post Cardiac Arrest Protocol Critical Care: Stop administration			
		of electrolytes 8 hours PRIOR to rewarming.			
Respiratory Care					
[R]	Respiratory Gencode (RT Communication)	T;N, Do not use heated ventilator circuit until rewarming process initiated			
[]	ISTAT Blood Gases (ABG-RT Collect)	T;N, STAT, once			
	,	Bolus Medications			
[]	Sodium Chloride 0.9% Bolus	1000mL, IV Piggyback, q30min, STAT, T;N, (for 2 dose),1000mL/hr Comment:			
		Refrigerated Normal Saline infuse via peripheral or femoral line.			
[]	Sodium Chloride 0.9% Bolus	500mL, IV Piggyback, N/A, PRN Other Specify in Comment, Routine, T;N,			
٠.		1000mL/hr, Comment: for CVP less than 8 or PAOP less than 12. Notify MD if			
		goal not achieved after second bolus.			
		Continuous Infusion			
[]	Sodium Chloride 0.9%	1000mL,IV,Routine,T:N, 75 mL/hr			
	To maintain MAP greater than 65, choose	e order below:			
[]	norepinephrine (norepinephrine 16 mg/250	16 mg / 250 mL, IV, Routine, T; N, titrate, Comment: begin at 2 mcg/min, titrate in			
	mL- NaCl 0.9% injectable solution)	increments of 2 mcg/min as often as every 5 min.to maintain a mean arterial			
	, i	pressure (MAP) greater than 65 mmHg. Max dose = 90mcg/min			
		Medications			
[R]	Hypothermia Shivering Protocol Orders (see separate sheet)			
[R]	Hypothermia Insulin Protocol Orders (see	e separate sheet)			
[R]	ocular lubricant (Lacri-Lube S.O.P)	1 application, Ophthalmic Oint, Both Eyes, q2h, Routine,T;N,Comment: apply to			
		eyes while receiving paralytics			
	Stre	ess Ulcer Prophylaxis Medications			
[]	pantoprazole	40mg, injection, IV Push, qDay, Routine,T;N			
[]	famotidine	20mg, injection, IV Push, bid, Routine,T;N			
	If CrCl less than 50mL/min, place order b	elow:			
[]	famotidine	20mg, injection, IV Push, qDay, Routine,T;N			
		Sedation Medications			
	Must order one of the following sedation	medications below:			
[]	LORazepam	2 mg, Injection, IV Push, q 30 minutes, PRN Other Specify in Comment,			
		Routine,T;N, Comment: PRN to maintain SAS goal (Maximum of 12 mg in a 3 hr			
		period). May give 1-2 mg, start with 1 mg.			
[]	midazolam (midazolam 1mg/mL/NS 50mL	50mg/50mL, IV, Routine, titrate, Comment: Initial Rate: 1mg/hr; Titration			
	PreMix)	Parameters: 0.5 mg/hr as often as every 30 min to SAS goal per MD orders; Max			
		Rate: 7 mg/hr; Conc: 1 mg/mL			

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		Sedation Medications continued
[]	propofol	1.000mg/100mL, IV, Routine, Comment: 10mcg/kg/min, maintain a rate of 10mcg/kg/min throughout induced hypothermia. DO NOT BOLUS. Discontinue and follow new orders if propofol initiated per Hypothermia Shivering Protocol.
		Analgesia Medications
	Choose one order below:	
[]	morPHINE	2 mg, Injection, IV Push, q1hr, PRN Other Specify in Comment, Routine,T;N,
		Comment: to maintain SAS goal
[]	HYDROmorphone	0.5 mg, Injection, IV Push, q1hr, PRN Other Specify in Comment, Routine,T;N, Comment: to maintain SAS goal
		Laboratory
f not	previously done in ED place orders	s below:
[]	CBC	STAT, T;N, once, blood, Nurse Collect
[]	CMP	STAT, T;N, once, blood, Nurse Collect
[]	Magnesium Level	STAT, T;N, once, blood, Nurse Collect
[]	Troponin-I	STAT, T;N, once, blood, Nurse Collect
[]	PT/INR	STAT, T;N, once, blood, Nurse Collect
[]	PTT	STAT, T;N, once, blood, Nurse Collect
[]	Phosphorus Level	STAT, T;N, once, blood, Nurse Collect
[]	CK Isoenzymes	STAT, T;N, once, blood, Nurse Collect
[]	Lactate Level	STAT, T;N, once, blood, Nurse Collect
		Diagnostics
f not	previously done in ED place orders	s below:
[]	CT Brain/Head WO Cont	T;N, STAT, Reason for Exam: Other- cardiac arrest of unknown origin, stretcher
<u>[</u>]	Chest 1VW Frontal	T;N, STAT, Reason for Exam: Other- s/p Intubation, Portable
[]	Electrocardiogram(EKG)	Start at T;N, STAT, Reason for Exam: Other- Post cardiac arrest
		Consults/Notifications
[]	Notify Physician -Once	T;N, Who:, For: If CVP and PAOP goal not achieved
		after second normal saline bolus.
[]	Notify Physician -Continuing	T;N, Who:, For: K+ less than 2.8mmoL/L (Do not
		replace K+ until less than 2.8mmoL/L)
[]	Physician Group Consult	T;N, Group: UT Neuro ICU, Reason for Consult: Hypothermia Protocol
[]	Notify Physician -Once	T;N, Who: Physician, If not done in ED, notify patient cardiologist. If no
		cardiologist known then notify on-call cardiology
[]	Physician Group Consult	T;N, Reason for Consult: Hypothermia Protocol admission to ICU, Who: UT
	<u>'</u>	Pulmonary,

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Date

Time

Physician's Signature