



PHYSICIAN ORDER SET

AUTHORIZATION IS GIVEN TO THE PHARMACY TO DISPENSE AND TO THE NURSE TO ADMINISTER THE GENERIC OR CHEMICAL EQUIVALENT WHEN THE DRUG IS FILLED BY THE PHARMACY OF UPMC - UNLESS THE PRODUCT NAME IS CIRCLED.

IMPRINT PATIENT IDENTIFICATION HERE

Induced Hypothermia: Post Resuscitation -- Physician Order Set

Admit to (Unit): ICU CCM Attending Responsible for Hypothermia:

Check All Orders that Apply with a [X] & All Handwritten Orders Should be BLOCK PRINTED for Clarity

Communication Orders

- [X] To be implemented in the ICU ONLY Indicate time of cardiac arrest:
[X] Target temperature is 33 C., then maintain T > 33 C. and < 35 C.
[X] Notify physician of any of the following:
- Systolic BP < 90 mmHg
- Urine output > 300 ml/hour or < 0.5 ml/kg
- Temperature > 35 C. during maintenance phase despite implementation of all ordered interventions

INDUCTION PHASE

Patient Care

- [X] MD to insert Arterial Line and CVP during induction
[X] Check ABG (include lactate) at start and when reach 33C
[X] Monitor neurological status per ICU routine. Notify MD for shivering or myoclonus.
[] (Passive Convective Cooling) check appropriate box(es)
[] (Active Central Cooling) check appropriate box(es)
- Expose patient, dampen skin, cooling fan
- NG lavage with ice cold fluid - repeated as needed
- Cooling blanket set to 33C
- Cold IV Fluids (< 10 C.) rapid infusion - if tolerated - 2 liters
- Lower room temp (if possible) to 68 degrees
- Cool Guard Catheter inserted by CCM. Utilize to maintain temp between 33 and 35 degrees.
- Ice packs in axilla / skin
[] Monitor CVP
[] Continuous temperature from central site (select appropriate box)
- Bladder [] CVP [] PA Catheter [] Esophageal [] Rectal

Medications

Do not exceed 4000 mg Acetaminophen in a 24 hour period.

- [] Acetaminophen 1 gm per NGT now, and then 650 mg PRN per NGT every 4 hours x 4 doses. If NGT not present, may give per rectum.
[] Famotidine (Pepcid) 20 mg IV every day (suggested if no stress ulcer prophylaxis already ordered).
[] Sedation as needed to prevent shivering:
- Fentanyl _____mcg IV every 1 hour as needed while receiving chemical paralysis. (suggested 2-4 mcg/kg)
- Propofol (titrated) Continuous Infusion: 15 mcg/kg/minute while receiving chemical paralysis. Start at 5 mcg/kg/ minute and titrate for Ramsey sedation scale < 3
- Other drug: _____ Dose: _____ Route: _____ Frequency: _____
[] Vecuronium bolus 0.1 mg/kg IV every 1 hour prn shivering ** Requires continuous sedation when used. (Aggressively treat seizure activity - distinguish from myoclonus)

(Print Name)

(Signature)

Date: _____ Pager # _____



[] Order Set Faxed to Pharmacy by: (name / time)



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Labs *Anticipate diuresis and fall in serum K.*

Labs to be drawn now

- CBC/ platelets / PT / PTT, ABG
- Lytes / BUN / Cr / Glucose / Ca / Mg / Phos
- Daily BUN, Creatinine
- CPK-MB, Troponin
- Lactate

Labs to be drawn q 6 hours x 24 hours

- K+, ABG, Lactate

Labs to be drawn 8 hours after arrest

- CPK-MB, Troponin

Diagnostic Tests

- EKG

Consults

- Consult Emergency Department Cardiac Arrest Team Re: Post cardiac arrest hypothermia management
Contact via MedTrak (or pager 4447 for both PUH/SHY)

Rewarming Phase – Target over 6 hours or < 1° C. per hour

- 24 hours post induction, initiate rewarming

Patient Care

- Remove cooling blanket
- Resume cooling blanket if temperature increases > 1°C per hour.
Discontinue when temperature stabilizes.

Anticipate relative volume depletion – add fluids as indicated

Anticipate rise in serum K.

Medications

- Discontinue Vecuronium when Temperature = 37° C.
- Discontinue sedation infusion when T ≥ 37° C. and when train of four is 4/4 (or other evidence of reversal of vecuronium)

Labs

- When Temperature is > 36° C., obtain: K+, ABG , lactate

(Print Name)

(Signature)

Date/Time: _____ Pager # _____



Order Set Faxed to Pharmacy by:
(name / time)

2PO

PUH/SHY-1421

Last Revision Date: 11/28/2007