



6th DRAFT !!!

Induced Hypothermia: Post Resuscitation

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

- Indicate time of cardiac arrest:
To be implemented in the ICU ONLY
Target temperature is 33° C., then maintain T > 33° C. and < 35° C.
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

- MD to insert Arterial Line and CVP during induction
Accuchecks q 4 hours
Check ABG (include lactate) at start and when reach 33°C
Guaiac stool q day
Monitor neurological status per ICU routine. Notify MD for shivering or myoclonus.
(Passive Convective Cooling) check appropriate box(es)
- Expose patient, dampen skin, cooling fan
- Cooling blanket set to 33°C
- Cool Room
- Ice packs in axilla / skin
(Active Central Cooling) check appropriate box(es)
- NG lavage with ice cold fluid - repeated as needed
- Cold IVF (< 10° C.) over 2 hours total - if tolerated - 2 liters
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 NGT now, and then 650 mg PRN/NGT q 4 hours x 4 doses. If NGT not present, may give per rectum.
Pepcid 20 mg IV q day (suggested if no stress ulcer prophylaxis already ordered).
Sedation as needed to prevent shivering:
- Fentanyl (suggested 2-4 mcg/kg) mcg IV q 1 hour while receiving chemical paralysis.
- Propofol (titrated) Continuous Infusion: 15 mcg/kg/minute while receiving chemical paralysis. Start at 5 mcg/kg.minute and titrate for sedation scale < 3
- Other drug: Dose: Route: Frequency:
Vecuronium (0.1 mg/kg) IV q 1 hour prn shivering \*\* Requires continuous sedation when used.

(Aggressively treat seizure activity - distinguish from myoclonus)

(Print Name)

(Signature)

Date: Pager #

Additional Handwritten Orders Should be Placed at the End of this Order Set.

White Copy - Chart Yellow Copy - Pharmacy

\*0031-01-U\*



**6th DRAFT !!!**

**Induced Hypothermia: Post Resuscitation**

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**

**INDUCTION PHASE - Continued**

**Labs** *Anticipate diuresis and fall in serum K.*

Labs to be drawn now	Labs to be drawn q 6 hours x 24 hours	Labs to be drawn 8 hours after arrest
<input checked="" type="checkbox"/> CBC/ platelets / PT / PTT, ABG	<input checked="" type="checkbox"/> K+, ABG, Lactate	<input checked="" type="checkbox"/> CPK-MB, Troponin
<input checked="" type="checkbox"/> Lytes / BUN / Cr / Glucose / Ca / Mg / Phos		
<input checked="" type="checkbox"/> Daily BUN, Creatinine		
<input checked="" type="checkbox"/> CPK-MB, Troponin		
<input checked="" type="checkbox"/> Lactate		

**Diagnostic Tests**

EKG

**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

**Additional Orders Should be BLOCK PRINTED for Clarity**

Other Orders	Medication Orders

\_\_\_\_\_  
(Print Name)

\_\_\_\_\_  
(Signature)

Date: \_\_\_\_\_ Pager # \_\_\_\_\_

\*0031-01-U\*

**Additional Handwritten Orders Should be Placed at the End of this Order Set.**

White Copy - Chart

Yellow Copy - Pharmacy