

DROWNING - EMERGENCY MANAGEMENT- PEDIATRIC IH Emergency Departments

Weight (kg)

Bulleted orders are initiated by default, unless crossed out and initialed by the physician/prescriber. Boxed orders (
) require physician/prescriber check mark (
) to be initiated.

1. ALLERGIES: see #826234 – Allergy and Adverse Reaction Record

2. CONSULTS: Pediatrics Intensivist Respiratory Therapist Anesthesia CHARLiE

3. MONITORING

- Rectal or esophageal core temperature (notify MRP if core temperature less than 36.0 degrees Celsius)
- Spinal Motion Restriction if clinically indicated
- Point-of-care capillary blood glucose STAT
- Continuous SpO₂ monitoring
- □ Continuous cardiac monitoring
- □ Continuous end-tidal CO₂ monitoring

4. LABORATORY STAT

- Acetaminophen, Salicylate, Osmol, Ethanol
- CBC, Lytes4, Creatinine (incl. GFR), Urea, Glucose Random
- Blood Gases Arterial
- Blood Gases Venous
- □ INR
- □ Troponin
- Other

5. DIAGNOSTICS

- □ ECG 12 LEAD (under 2 years) **OR**
- ECG 12 LEAD (2 to 16 years)
- □ CHEST PEDS less than 17 years PORT [RAD]
- □ CHEST PEDS less than 17 years [RAD]
- □ C-Spine [RAD]
- □ C-Spine [CT]
- 6. TREATMENT (Based on Grade Classification see page 2)
 - Oxygen therapy delivered by most effective mode to maintain oxygen saturation goal greater than 92%
 Do not delay oxygenation to clear foam (it is not toxic to the lungs), unless clearing to visualize for intubation
 - □ High flow nasal oxygen Settings
 - □ CPAP or BPAP Settings

Date (dd/mm/yyyy)	Time	Prescriber's Signature	Printed Name or College ID#

Grade	Associated Mortality	Signs and symptoms	Indicated interventions		
1	0%	 Cough BP maintained No coarse crackles on pulmonary auscultation No foam in the airway 	 Rest, warm and calm the victim External oxygen not indicated 		
2	0.6–1.2%	 Cough BP maintained Rales in some lung fields Small amount of foam in the airway 	 Apply O₂ at 5 L/min (via nasal prongs or face mask) Obtain CXR and ABG 		
3	3.6–5.2%	 Acute pulmonary edema without hypotension Cough BP maintained Rales in all lung fields Large amount of foam in the airway 	 Apply O₂ at 15 L/min (via face mask) ABG Consider Hi Flow Nasal, BiPap or mechanical ventilation with PEEP and FiO₂ 1.0 ICU admission recommended 		
4	19.4–22%	 Acute pulmonary edema with hypotension Cough Hypotension Rales in all lung fields Large amount of foam in the airway 	 Grade 3 treatment IV crystalloids for maintenance of BP Consider vasopressors if clinically indicated ICU admission recommended 		
5	31–44%	Isolated respiratory arrest	Initiate BLS		
6	88–93%	Cardiopulmonary arrest	Initiate PALS with focus on effective ventilation and oxygenation		



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7. INTRAVENOUS THERAPY AND HYDRATION

Bolus IV Fluid Resuscitation

- Lactated Ringer's Solution _____ mL IV/IO over ____ minutes (10 to 20 mL/kg over 5 to 10 minutes) **OR**
- □ Sodium chloride 0.9% _____ mL IV/IO over _____ minutes (10 to 20 mL/kg over 5 to 10 minutes)

Maintenance IV Fluids

D5NS IV/IO _____ mL/H

8. MEDICATIONS

VASOACTIVE THERAPY

EPINEPHrine IV/IO continuous infusion starting at 0.01 mcg/kg/min – titrate to a max of 1 mcg/kg/min targeting MAP goal of ______ mmHg

ANALGESICS/ANTIPYRETICS

For patients 29 days of age to less than or equal to 3 months of age

- acetaminophen _____ mg (10 mg/kg/dose) PO/PR Q4H PRN for pain or temperature greater than 38°C (max 60 mg/kg/24H)
- For patients greater than 3 months of age
- acetaminophen _____ mg (15 mg/kg/dose) PO/PR Q4H PRN for pain or temperature greater than 38°C (max 75 mg/kg/24H)

OPIOID REVERSAL AGENTS

• naloxone _____ mg IV/IO/IM Q3MIN PRN (0.1 mg/kg/dose if less than 5 years old or less than 20 kg **OR** 0.2 mg/kg/dose if greater than 5 years old or greater than or equal to 20 kg to max 2 mg/dose) for opioid reversal

ANTINAUSEANTS

- dimenhyDRINATE _____ mg PO/IV/IM PRN x 1 dose (0.5 to 1.25 mg/kg/dose to max 50 mg/dose) for nausea
- ondansetron _____ mg PO/IV Q8H PRN (0.15 mg/kg/dose to max 8 mg/dose) for nausea

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