Treatment Protocols

Pain Management - Pediatric	Policy #9150P							
Stable BP appropriate for age Signs of good perfusion	<u>Unstable</u> Pediatric: Delayed cap refill, poor skin perfusion signs, shortness of breath, altered mental status, or low blood pressure (adjusted per age)							
Pediatric BLS Standing Orders								
 Universal Patient Protocol Ensure patent airway, administer oxygen and/or ventilate PRN per Airway Policy Monitor O2 saturation Keep patient warm 	 Universal Patient Protocol Ensure patent airway, administer oxygen and/or ventilate PRN per Airway Policy Monitor O2 saturation Keep patient warm Immediate transport 							
Pediatric LALS Standing Order Protocol								
• Establish IV (2 large bore if massive blood loss or suspected internal injury)	 Establish IV (2 if massive blood loss or suspected internal injury) NS 0.9% 20 ml/kg bolus, or titrate to improved perfusion or BP 							
Pediatric ALS Stan	ding Order Protocol							
Provide continuous ECG, blood pressure, pulse oximetry, and capnography monitoring PRN	• Provide continuous ECG, blood pressure, pulse oximetry, and capnography monitoring							
• For pain that is mild to severe, consider age and administer: Ketorolac IV/IM per dosing chart below	• For pain that is mild to severe, consider age and administer: Acetaminophen IV per dosing chart below. Infuse over 15 minutes							
OR								
OR Acetaminophen IV per dosing chart below. Infuse over 15 minutes	 For nausea and vomiting: Ondansetron IV/IM/ODT 0.1 mg/kg (Max 4 mg) 							
Acetaminophen IV per dosing chart below. Infuse	• For nausea and vomiting:							
 Acetaminophen IV per dosing chart below. Infuse over 15 minutes For pain mild to severe: 	• For nausea and vomiting:							
 Acetaminophen IV per dosing chart below. Infuse over 15 minutes For pain mild to severe: Morphine IV/IM per dosing chart below 	• For nausea and vomiting:							
 Acetaminophen IV per dosing chart below. Infuse over 15 minutes For pain mild to severe: Morphine IV/IM per dosing chart below OR Fentanyl IV/IM per dosing chart below For nausea and vomiting: Ondansetron IV/IM/ODT 0.1 mg/kg (Max 4 mg) 	• For nausea and vomiting:							

Treatment Protocols *Pain Management - Pediatric*

BH Repeat doses of morphine or fentanyl • **BHPO** Suspected or known drug or ETOH intoxication **BHPO: BHPO:** Acetaminophen IV per dosing chart below. Infuse Morphine IV/IM per dosing chart below over 15 minutes for patients with: Isolated head injury • OR Acute onset severe headache • Multiple trauma with GCS<15 • **Fentanyl** IV/IM per dosing chart below Suspected active labor • OR Ketorolac IV/IM per dosing chart below, for the following: Pain outside the abdomen, back, or • extremities Notes Closely monitor patient LOC and respirations after administration of morphine or fentanyl. For cardiac and chest pain, morphine and fentanyl should be the only analgesia used. **Ketorolac Exclusions:** History of renal disease, or kidney transplant • Hypotension • History of GI bleeding or ulcers in the last five years Current anticoagulation therapy or active bleeding • Current steroid use • Age < 1 years old or > 65 years old • Known hypersensitivity to NSAIDS • History of asthma • Pregnant or high possibility of pregnancy • **Acetaminophen Exclusions:** Known hypersensitivity to acetaminophen • Allergy to acetaminophen • Severe hepatic impairment, active liver disease, or chronic alcohol abuse • Age < 2 years old

Date: 02/01/2021 Policy #9150P

				Medication			
Broselow Tape Color	Age	Weight (lbs)	Weight (kg)	Acetaminophen (Tylenol) IV 15 mg/kg	Ketorolac (Toradol) IV/IM 0.5 mg/kg	•	Morphine IV/IM 10 mg/1 ml 0.1 mg/kg
Grey	< 3 months	6-11 lbs	3-5 kg	NOT USED	NOT USED	5 mcg	NOT USED
Pink	3-5 months	13-15 lbs	6-7 kg	NOT USED	NOT USED	5 mcg	NOT USED
Red	6-11 months	17-20 lbs	8-9 kg	NOT USED	NOT USED	5 mcg	1 mg
Purple	12-24 months	22-24 lbs	10-11 kg	NOT USED	5 mg	10 mcg	1 mg
Yellow	2 years	26-30 lbs	12-14 kg	180 mg	6 mg	10 mcg	1 mg
White	3-4 years	33-40 lbs	15-18 kg	225 mg	7.5 mg	15 mcg	1.5 mg
Blue	5-6 years	42-50 lbs	19-23 kg	285 mg	9.5 mg	20 mcg	2.0 mg
Orange	7-9 years	53-64 lbs	24-29 kg	360 mg	12 mg	25 mcg	2.5 mg
Green	10-11 years	66-80 lbs	30-36 kg	450 mg	15 mg	30 mcg	3.0 mg

If a pediatric patient's weight, age or Broselow tape color significantly differ, administer the smallest of the doses, or call for a BHPO for further management.

Note: Ketorolac (Toradol) should NOT be given to patients < 1 year old.

Note: Acetaminophen (Tylenol) should NOT be given to patients < 2 years old.

APPROVED:

<u>Signature on File</u> Katherine Staats, M.D. EMS Medical Director