



PAIN MANAGEMENT	
ADULT	PEDIATRIC
<b>BLS</b>	
<p>Secure Airway. Assess Vitals. Obtain spO<sub>2</sub>. Oxygen. Titrate to SPO<sub>2</sub> to 94% or higher. Provide calming measures. Treat underlying cause for pain: reposition, bandage, splint, traction, cold pack, elevation</p>	
<b>ALS</b>	
<p>Follow BLS procedure if applicable. IV/IO Access as needed. Obtain ECG ETCO<sub>2</sub> for patients receiving narcotics</p>	
<b>Non-Narcotic Medications</b>	
<p><b>Acetaminophen 15 mg/kg IV Infusion/PO</b></p> <ul style="list-style-type: none"> <li>Administer over 15 minutes.</li> <li>Total max dose 1,000 mg.</li> <li>Single Dose Only.</li> </ul> <p><b>Ketorolac (Toradol) 15 mg IV OR 30 mg IM</b></p> <ul style="list-style-type: none"> <li>IV infused over 2 minutes.</li> <li>Single dose only.</li> </ul>	<p><b>Acetaminophen 15 mg/kg IV Infusion/PO</b></p> <ul style="list-style-type: none"> <li>Administer over 15 minutes.</li> <li>Single max dose 1,000 mg.</li> <li>Single Dose Only.</li> </ul> <p><b>Ketorolac (Toradol) 0.5 mg/kg IV/IM</b></p> <ul style="list-style-type: none"> <li>Single max dose 15 mg.</li> <li>Single dose only.</li> </ul>
<b>Narcotic Medications</b>	
<p><b>Fentanyl 50 mcg IV/IM/IN</b></p> <ul style="list-style-type: none"> <li>Single max dose is 50 mcg.</li> <li>IV may repeat every 5 minutes.</li> <li>IM/IN may repeat every 10 minutes.</li> <li>Total max dose 200 mcg.</li> </ul> <p><b>Morphine 5 mg IV/IM</b></p> <ul style="list-style-type: none"> <li>Single max dose 5mg</li> <li>IV may repeat every 5 minutes</li> <li>IM may repeat every 10 minutes</li> <li>Total max dose 10 mg</li> </ul> <p><b>Ketamine 0.3 mg/kg IV</b></p> <ul style="list-style-type: none"> <li>30 mg max dose</li> <li>Mix in 50 or 100 mL bag of NS or D5W.</li> <li>Infuse over 5 minutes.</li> <li>May repeat once after 10 minutes.</li> </ul>	<p><b>Fentanyl 1 mcg/kg IV/IM/IN</b></p> <ul style="list-style-type: none"> <li>Single max dose 50 mcg.</li> <li>IV dose - may repeat weight-based dose every 5 minutes x4, not to exceed a total of 4 mcg/kg or 200 mcg.</li> <li>IM/IN may repeat once in 10 minutes.</li> </ul> <p><b>Morphine 0.1 mg/kg IV/IM</b></p> <ul style="list-style-type: none"> <li>Single max dose 5 mg</li> <li>IV may repeat once in 5 minutes</li> <li>IM may repeat once in 10 minutes</li> <li>Total max dose 10 mg</li> </ul>
<b>Contraindications</b>	
<p>Fentanyl/Morphine</p> <ul style="list-style-type: none"> <li>SBP less than normal for pediatric age</li> <li>SBP less than 100 mmHg for adult.</li> <li>Pain Scale less than 5.</li> <li>ALOC secondary to possible acute TBI</li> <li>Respiration less than 12.</li> <li>Use Fentanyl OR Morphine. Do not use both unless a base order is obtained.</li> </ul> <p>Ketamine</p> <ul style="list-style-type: none"> <li>GCS less than 15.</li> <li>Pregnancy.</li> <li>Age less than 15 years old.</li> <li>Pain Scale less than 5</li> </ul>	<p>Ketorolac (Toradol)</p> <ul style="list-style-type: none"> <li>Age greater than 65 or less than 2.</li> <li>Active bleeding / G.I. bleeding.</li> <li>Acute Trauma.</li> <li>Pregnancy.</li> <li>Allergic to NSAIDs.</li> <li>Asthma.</li> <li>Coagulation disorder.</li> <li>Anticoagulation medications</li> <li>Acute Coronary Chest Pain</li> </ul> <p>Acetaminophen</p> <ul style="list-style-type: none"> <li>Liver disease or transplant.</li> </ul>

**Special Considerations**

- Non-narcotic medications may be used with narcotic medications for severe pain.
- May administer Fentanyl OR Morphine, do not use both unless base physician order is obtained.
- Ketamine may be used in addition to narcotics, 5 minutes after narcotic administration.

**Base Hospital Orders**

Contact Base Hospital physician for pain management that exceeds written protocol