



PAIN MANAGEMENT	
ADULT	PEDIATRIC
<b>BLS</b>	
<p><b>Secure Airway.</b>  <b>Assess Vitals.</b>  <b>Oxygen. Titrate to SPO2 to 94% or higher.</b>  <b>Provide calming measures.</b>  <b>Treat underlying cause for pain:</b> reposition, bandage, splint, traction, cold pack, elevation</p>	
<b>ALS</b>	
<p><b>Follow BLS procedure if applicable.</b>  <b>IV/IO Access as needed.</b>  <b>Obtain ECG.</b>  <b>Utilize ETCO2 for patients receiving narcotics.</b></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>Slow IV push 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>Slow IV push over 2 minutes.</li> <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>Slow IV push may repeat every 5 minutes.</li> <li>IM/IN may repeat every 10 minutes.</li> <li>Total max dose 200 mcg.</li> </ul> <p style="text-align: center;"><u>OR</u></p> <p><b>Morphine 5 mg IV/IM</b></p> <ul style="list-style-type: none"> <li>Single max dose 5mg.</li> <li>Slow IV push, 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>Slow IV push.</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 style="text-align: center;"><u>OR</u></p> <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><b>Fentanyl/Morphine</b></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> </ul> <p><b>Ketamine</b></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><b>Ketorolac (Toradol)</b></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><b>Acetaminophen</b></p> <ul style="list-style-type: none"> <li>Liver disease or transplant.</li> </ul>
<b>Special Considerations</b>	
<ul style="list-style-type: none"> <li>Consider administering ondansetron per Nausea and Vomiting protocol.</li> <li>Non-narcotic medications may be used with narcotic medications for severe pain.</li> <li>May administer Ketamine in addition to a narcotic.</li> </ul>	
<b>Base Hospital Orders</b>	
Contact Base Hospital physician for pain management that exceeds written protocol.	