

**Treatment Protocols**  
**Pain Management - Adult**

<b>Stable</b> Blood pressure > 90 mmHg	<b>Unstable</b> Adult: Blood pressure <90 mmHg or signs of poor perfusion
<b>Adult BLS Standing Orders</b>	
<ul style="list-style-type: none"> <li>• <b>Universal Patient Protocol</b></li> <li>• Ensure patent airway, administer oxygen and/or ventilate PRN per <b>Airway Policy</b></li> <li>• Monitor O2 saturation PRN</li> <li>• Capnography</li> <li>• Keep patient warm</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Universal Patient Protocol</b></li> <li>• Ensure patent airway, administer oxygen and/or ventilate PRN per <b>Airway Policy</b></li> <li>• Monitor O2 saturation</li> <li>• Capnography</li> <li>• Keep patient warm</li> <li>• Immediate transport</li> </ul>
<b>Adult LALS Standing Order Protocol</b>	
<ul style="list-style-type: none"> <li>• Establish IV PRN</li> <li>• Capnography</li> </ul>	<ul style="list-style-type: none"> <li>• Establish IV</li> <li>• Capnography</li> </ul>
<b>Adult ALS Standing Order Protocol</b>	
<ul style="list-style-type: none"> <li>• Monitor EKG</li> <li>• Establish IV/IO PRN</li> <li>• Capnography</li> </ul> <p><b>For pain that is mild to severe:</b> Acetaminophen 15 mg/kg up to max dose of 1000 mg IV, infuse over 15 minutes <b>OR</b> Ketorolac – 15 mg IV/IO or 30 mg IM</p> <p><b>For pain mild to severe:</b></p> <ul style="list-style-type: none"> <li>• Morphine 2-10 mg – IV/IM/IO MR q10min x1</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>• Fentanyl 25-100 mcg IV/IM/IO/IN MR q10min x1</li> </ul> <p><b>For nausea and vomiting:</b></p> <ul style="list-style-type: none"> <li>• Ondansetron 4 mg IV/IO/IM/ODT PRN, MR x1, total 8 mg</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor EKG</li> <li>• Establish IV/IO</li> <li>• Capnography</li> </ul> <p><b>For pain that is mild to severe:</b> Acetaminophen 15 mg/kg up to max dose of 1000 mg IV, infuse over 15 minutes</p> <p><b>For nausea and vomiting:</b></p> <ul style="list-style-type: none"> <li>• Ondansetron 4 mg IV/IO/IM/ODT PRN, MR x1, total 8 mg</li> </ul> <p><b><u>BHPO for opiate or ketorolac administration with hypotension</u></b></p>
<b>Base Hospital Orders</b>	
<p><b><u>BH</u></b></p> <ul style="list-style-type: none"> <li>• Repeat doses of <b>morphine or fentanyl</b></li> </ul> <p><b><u>BHPO</u></b></p> <ul style="list-style-type: none"> <li>• Suspected or known drug or ETOH intoxication</li> </ul>	

**Treatment Protocols**  
**Pain Management - Adult**

**BHPO:**

**Acetaminophen 15 mg/kg up to max dose of 1000 mg IV x 1** – infuse over 15 minutes for patients with:

- Isolated head injury
- Acute onset severe headache
- Multiple trauma with GCS<15
- Suspected active labor

**BHPO for opiate or ketorolac administration with hypotension:**

**Morphine – 2-10 mg – IV/IM/IO [Repeat per BHO]**  
 OR

**Fentanyl – 25-100 mcg IV/IN/IM/IO [Repeat per BHO]**  
 OR

**Ketorolac 15 mg IV/IO or 30 mg IM** – 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.**

**Aspirin should be given per protocol.**

**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
- Other NSAID use in the past six hours

**Acetaminophen Exclusions:**

- Known hypersensitivity to acetaminophen
- Allergy to acetaminophen
- Severe hepatic impairment, active liver disease, or chronic alcohol abuse
- Age < 2 years old
- Other acetaminophen/paracetamol dosing in the past six hours

**APPROVED:**

**SIGNATURE ON FILE – 07/01/25**

Katherine Staats, M.D. FACEP

EMS Medical Director