

**Treatment Protocols**

**Date: 02/01/2021**

***Pain Management - Adult***

**Policy 9150A**

<p><b><u>Stable</u></b> Blood pressure &gt; 90 mmHg</p>	<p><b><u>Unstable</u></b> Adult: Blood pressure &lt;90 mmHg or signs of poor perfusion</p>
<p><b>Adult BLS Standing Orders</b></p>	
<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>• 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>• Keep patient warm</li> <li>• Immediate transport</li> </ul>
<p><b>Adult LALS Standing Order Protocol</b></p>	
<ul style="list-style-type: none"> <li>• Establish IV (2 large bore if massive blood loss or suspected internal injury)</li> </ul>	<ul style="list-style-type: none"> <li>• Establish IV (2 large bore if massive blood loss or suspected internal injury)</li> </ul>
<p><b>Adult ALS Standing Order Protocol</b></p>	
<ul style="list-style-type: none"> <li>• Provide continuous ECG, blood pressure, pulse oximetry, and capnography monitoring PRN</li> <li>• <b>For pain that is mild to severe:</b> Acetaminophen 15 mg/kg up to max dose of 1000 mg IV x 1 max – infuse over 15 minutes</li> <li><b>OR</b></li> <li>Ketorolac – 0.5 mg/kg, up to max of 15 mg IV/IM</li> <li>• <b>For pain moderate to severe:</b> Morphine – 0.1 mg/kg, max dose 10 mg – IV/IM</li> <li><b>OR</b></li> <li>Fentanyl – 25-50 mcg IV/IN/IM</li> <li>• <b>For nausea and vomiting:</b> Ondansetron – 4 mg ODT/IV/IM</li> </ul>	<ul style="list-style-type: none"> <li>• Provide continuous ECG, blood pressure, pulse oximetry, and capnography monitoring</li> <li>• <b>For pain that is mild to severe:</b> Acetaminophen 15 mg/kg up to max dose of 1000 mg IV x 1 max – infuse over 15 minutes</li> <li>• <b>For nausea and vomiting:</b> Ondansetron – 4 mg ODT/IV/IM</li> </ul>
<p><b>Base Hospital Orders</b></p>	
<p><b><u>BH</u></b></p> <ul style="list-style-type: none"> <li>• Repeat doses of <b>morphine</b> or <b>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****Date: 02/01/2021*****Pain Management - Adult*****Policy 9150A****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:**

**Morphine – 0.1 mg/kg, max dose 10 mg – IV/IM**  
**[Repeat per BHO]**

OR

**Fentanyl – 25-50 mcg IV/IN/IM [Repeat per BHO]**

OR

**Ketorolac 0.5 mg/kg, up to max of 15 mg IV/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

**Acetaminophen Exclusions:**

- Known hypersensitivity to acetaminophen
- Allergy to acetaminophen
- Severe hepatic impairment, active liver disease, or chronic alcohol abuse
- Age < 2 years old

APPROVED:

Signature on File

Katherine Staats, M.D.

EMS Medical Director