## BLS
- Assess level of pain
- Ice, immobilize, and splint when indicated
- Elevation of extremity trauma when indicated

## ALS
- Continue to monitor and reassess pain using standardized pain scores
- Document vital signs before and after each medication administration

### Special Considerations for All Pain Medications:
1. Changing route of administration requires **BHPO**
   (e.g., IV to IM or IM to IN)
2. Changing analgesic requires **BHPO**
   (e.g., changing from fentanyl to ketamine)
3. Treatment if BP <100 requires **BHPO**
4. **BHPO** required for:
   - Isolated head injury
   - Acute onset severe headache
   - Drug/ETOH intoxication
   - Major trauma with GCS <15
   - Suspected active labor

### For MILD pain (score 1 - 3) or MODERATE pain (score 4 - 6):
- without severe hepatic impairment or active liver disease
  - Acetaminophen: 1000 mg IV over 15 minutes **SO**

### For MODERATE pain (score 4 - 6) or SEVERE pain (score 7 - 10):
- or refusal / contraindication to acetaminophen or ketamine

#### FENTANYL:
If <65 years of age:
- Fentanyl up to 50 mcg IV **SO**
- MR 25 mcg IV q5 minutes x2 **SO**
- Maximum total **SO** dose 100 mcg IV

**INTRanasal dosING:**
- Fentanyl 50 mcg IN q15 minutes x2 **SO**
- 3rd dose fentanyl 50 mcg IN **BHPO**

If >65 years of age:
- Fentanyl 25 mcg IV **SO**
- MR 25 mcg IV q5 minutes x2 **SO**
- Maximum total **SO** dose is 75 mcg IV

**INTRanasal dosING:**
- Fentanyl 25 mcg IN q15 minutes x2 **SO**
- 3rd dose fentanyl 25 mcg IN **BHPO**

#### Special considerations for Cardiac Chest Pain & Cardiac Pacing:
- Fentanyl 25 mcg IV x1 **SO**

#### MORPHINE, If fentanyl unavailable:
- Morphine 0.1 mg/kg IV **SO**
- MR in 5 minutes at half of the initial IV dose **SO**
- MR in additional 5 minutes at half of the initial IV dose **BHPO**
### SUBJECT: TREATMENT PROTOCOL – PAIN MANAGEMENT

**Date:** 7/1/2019

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<th>BLS</th>
<th>ALS</th>
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<td><strong>INTRAMUSCULAR DOSING:</strong>&lt;br&gt;• Morphine 0.1 mg/kg IM SO&lt;br&gt;• MR in 15 minutes at half of the initial IM dose SO&lt;br&gt;• MR in additional 15 minutes at half of the initial IM dose BHO</td>
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**Special considerations for Cardiac Chest Pain & Cardiac Pacing:**<br>• Administer morphine 0.05 mg/kg IV x 1 SO

**Additional option for trauma, burns, or envenomation injuries:**

**For MODERATE-SEVERE pain (score ≥ 5):**

**KETAMINE requirements:**<br>≥15 years old<br>AND with GCS of 15<br>AND not pregnant<br>AND no known or suspected alcohol or drug intoxication<br>AND have not received opioid analgesic in past 6 hours (prior to medic arrival)

• Ketamine 0.2 mg/kg in 100 ml of NS SLOW IV drip over 15 minutes SO<br>  Maximum for any IV dose is 20 mg<br>• MR x 1 in 15 minutes if pain remains MODERATE or SEVERE SO

**INTRANASAL DOSING:**<br>• Ketamine 0.5mg/kg IN (50 mg/ml concentration) SO<br>  Maximum for any IN dose is 50 mg<br>• MR x 1 in 15 minutes if pain remains MODERATE or SEVERE SO