

## **TREATMENT:**

- A. Treat per Universal Patient Care.
- B. For acute pain and uncontrolled chronic pain:
  1. Determine location of pain and severity using numeric scale (1-10) or Faces scale.
  2. Consider and treat underlying cause of pain.
  3. Use non-pharmacological pain management (i.e., position of comfort, hot/cold pack, elevation, splinting, padding, wound care, therapeutic calming and communication).
  4. Administer pain medication:
    - i. Consider **Acetaminophen 325 – 1000 mg PO/IV** up to 1000 mg for mild to moderate pain.
    - ii. **Fentanyl 50-100 micrograms IV/IO/IM/IN.** Repeat with 25-50 micrograms every 3-5 minutes as needed to **max of 200 mcg.**
    - iii. **Morphine 2-5 mg IV/IO/IM** every 3-5 minutes to a maximum of 20 mg.
    - iv. Consider **Ketamine 0.1- 0.3 mg/kg IV/IM/IO to max of 30 mg** for pain refractory to Fentanyl or Morphine administration or first line if hypotension present. Administer as a slow push or infusion via IV/IO.
    - v. **Ketorolac 15 mg IM/IV/IO.** Contraindicated in pregnancy and in those at risk of bleeding and renal impairment. See formulary for additional details.
    - vi. Contact Medical Control if pain is not controlled within maximum dosing.

### **Do not administer pain medications if any of the following are present:**

- **Respiratory distress or O2 saturation of < 90%**
- **Known allergy to that pain medication**
- **Altered mental status**
- **Systolic blood pressure of < 100 mm/Hg (except Ketamine)**

C. Obtain a full set of vital signs and pain scale rating prior to and after each administration of pain medication.

## **PEDIATRIC PATIENTS:**

- A. Consider **Acetaminophen 15 mg/kg PO to max of 1000 mg** for mild to moderate pain.
- B. **Fentanyl 1 microgram/kg IV/IO/IM/IN.** May repeat with 0.5 -1 mcg/kg every 3-5 minutes as needed to a maximum of 4 mcg/kg. Do not exceed adult dosing.
- C. For children < 20 kg, **Morphine 0.1 mg/kg IV/IO/IM.** May repeat every 3-5 min. Do not exceed adult dosing.
- D. Contact Medical Control if maximum dose of either medication is reached without adequate pain management.

## **Pain Scale (English)** **Escala de Dolor (Spanish)**

