



Yolo County Emergency Medical Services Agency

Protocols

Revised Date: May 1, 2024

PAIN MANAGEMENT	
Adult	Pediatric
BLS	
Mild Pain	
Assess Vital Signs O ₂ titrate SpO ₂ to ≥ 94% Provide calming measures Treat underlying cause for pain: reposition, bandage, splint, elevation, traction, compression, and/or cold pack	
ALS	
Moderate to Severe Pain	
Cardiac Monitor, Consider Vascular Access	
<p>Acetaminophen 15 mg/kg IV Infusion</p> <ul style="list-style-type: none"> Administer over 15 minutes Total max dose 1,000 mg No repeat <p>Fentanyl 50 mcg SIVP/IM</p> <ul style="list-style-type: none"> IV - May repeat every 5 minutes IM - May repeat every 10 minutes Single max dose 50 mcg Total max dose 200 mcg <p>Ketamine (Ketalar) 0.3mg/kg in 100 mL NS IV Infusion</p> <ul style="list-style-type: none"> Administer over 10 minutes Single max dose 30 mg May repeat x 1 after 20 minutes <p>* Ketamine may be administered in addition to Acetaminophen and Fentanyl for severe pain</p>	<p>Acetaminophen 15 mg/kg IV Infusion</p> <ul style="list-style-type: none"> Use a length based pediatric resuscitation tape to determine weight for dosing Administer over 15 minutes Total max dose 1,000 mg No repeat <p style="color: red; text-align: center;">Patients < 4 years – Base Physician contact required for Fentanyl</p> <p>Fentanyl 1 mcg/kg SIVP/IM</p> <ul style="list-style-type: none"> IV - May repeat every 5 minutes IM - May repeat every 10 minutes Single max dose 50 mcg Total max dose 200 mcg <p style="text-align: center;"><u>Or</u></p> <p>Fentanyl 1 mcg/kg IN</p> <ul style="list-style-type: none"> ½ dose per nare May repeat every 10 minutes Single max dose 50 mcg Total max dose 200 mcg



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Contraindications

Acetaminophen

- Liver Disease or complications (e.g., Transplant)

Ketamine (Ketalar)

- $RR \leq 12$
- $SBP \leq 100$
- $GCS < 15$ or agitation

Fentanyl

- $SBP < \text{normal range for age}$
- $GCS < 15$

DIRECTION

- Contact Base Hospital for additional pain management