

Alternatives To Opiates (ALTOSM) Program

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ALTOSM CLINICAL APPLICATIONS

Renal Colic

1. Toradol 30 mg IV
2. Cardiac Lidocaine 1.5 mg/kg IV in 100 mL NS over 10 minutes (MAX 200 mg)
3. Acetaminophen 1000 mg PO
4. 1 L 0.9% NS bolus

Musculoskeletal Pain (sprains, strains, or opiate naïve lower back pain)

1. Acetaminophen 1000 gm PO
2. Motrin 600 mg PO OR Toradol 30 mg IV/IM
3. Muscle Relaxant (choose one of the following)
 - a. Flexeril 5 mg PO (patients >65 years old OR <70 kg OR concerns for somnolence)
 - b. Flexeril 10 mg PO (patients >70 kg)
 - c. Valium 5 mg PO
4. Lidoderm patch to most painful area, MAX 3 patches instruct patient to remove after 12 hours
5. Gabapentin (neuropathic component of pain)
 - a. 300 mg PO
6. Trigger Point Injection with 1-2 mL of Marcaine 0.5% or Lidocaine 1%

Acute on Chronic Radicular LBP (opiate tolerant)

1. Acetaminophen 1000 mg PO
2. Motrin 600 mg PO OR Toradol 30 mg IV/IM
3. Muscle Relaxant (choose one of the following)
 - a. Flexeril 5 mg PO (patients >65 years old OR <70 kg OR concerns for somnolence)
 - b. Flexeril 10 mg PO (patients >70 kg)
 - c. Valium 5 mg PO
4. Gabapentin (neuropathic component of pain)

- a. 300 mg PO
- 5. Dexamethasone 8 mg IV
- 6. Lidoderm patch to most painful area, MAX 3 patches instruct patient to remove after 12 hours
- 7. Trigger Point Injection with Marcaine 0.5% or Lidocaine 1% 1-2 mL
- 8. Ketamine 0.1-0.3 mg/kg in 50 cc NS over 10 minutes
 - a. Ketamine 0.1 mg/kg/hour until pain is tolerable

Headache

- 1. Reglan 10 mg PO/IV
- 2. 1 L 0.9% NS bolus
- 3. Motrin 600 mg PO Or Toradol 30 mg IM/IV
- 4. Tylenol 1000 mg PO
- 5. Cervical or Trapezius Trigger Point Injection with Marcaine 0.5% or Lidocaine 1%
 - If <50% pain relief then**
 - 6. Magnesium 1 gm IV over 60 minutes
 - 7. Valproic Acid 500 mg/50 cc NS over 20 mins
 - 8. Dexamethasone 4-8 mg IV
 - If <50% pain relief then**
 - 9. Haldol 5 mg IV
 - If <50% pain relief then** place in OBS unit with Neuro consult

Extremity Fracture or Joint Dislocation

(Steps 1-3 done while setting up for block)

- 1. Ketamine Intranasal 0.5 mg/kg (concentration 50 mg/mL)
 - a. MAX dose 50 mg; MAX volume per nare 1 mL
- 2. Nitrous Oxide titrate up to 70%
- 3. Tylenol 1000 mg PO
- 4. Ultrasound Guided Regional Anesthesia
 - a. Joint Dislocation
 - i. Lidocaine 0.5 % peri-neural infiltration (MAX 5 mg/kg)
 - b. Extremity Fracture
 - i. Ropivacaine 0.5% peri-neural infiltration (MAX 3 mg/kg)

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