

Pain Management Decision Matrix				
Source of Pain	Mild ²	Moderate ²	Severe ²	Special Considerations
Isolated Orthopedic Trauma	Narcotic	Narcotic	Narcotic	Moderate pain relief desired
Multiple Trauma	Narcotic	Narcotic	Narcotic or Ketamine	Moderate pain relief desired
Burns	Toradol and/or Narcotic	Toradol and/or Narcotic	Toradol and/or Narcotic or Ketamine or Benzodiazepine ³ .	Consider suffering and pain
Renal Colic	Toradol	Toradol	Toradol and/or Narcotic	Moderate pain relief desired
Non-cardiac Chest Pain	Toradol	Toradol	Toradol and/or Narcotic	Moderate pain relief desired
Abdominal Pain	Narcotic	Narcotic	Narcotic	Moderate pain relief desired
Simple Headache	Narcotic	Narcotic	Narcotic	Moderate pain relief desired
Notes:	1. Narcotic (Choose either fentanyl or hydromorphone); 2. Evaluate the degree of severity on both the patient's subjective rating (0 – 10) and your objective assessment (mild – severe). 3. Benzodiazepines should be used as an adjunct to pain control for patients with severe burn pain (Choose either midazolam or lorazepam)			

Pain Medication Dosing Matrix					
Medication	Initial	Interval	Additional	Max ¹	Cautions
Fentanyl (short acting)	Adults: 50 – 200 mcg Peds (over 2): 1 – 2 mcg/kg IV/IO/IN or 3 mcg/kg IM	10 min.	Adults: 25 – 100 mcg Peds: 1 – 2 mcg/kg	Adults: 200 mcg ² Peds: May repeat once	Allergy Over sedation, Hypotension Respiratory depression
Hydromorphone (Dilaudid) (Long acting)	Mild: 0.5 mg Moderate: 1 mg Severe: 1.5 mg	10 min	0.25 – 0.5 mg	2 mg (4 mg) ²	Allergy Over sedation, Hypotension Respiratory depression
Ketamine	Severe: 1.0 – 1.5 mg/kg IV/IO Dissociative dose: 5 mg/kg IM	Contact Medical Control	Contact Medical Control	NA	Allergy Dissociative dose is reserved for severely injured patients in appropriate clinical settings ³ .
Ketorolac (Toradol)	Adult: 30 mg IV/ 60 mg IM Peds: 1 mg/kg IV/IM	NA	No repeat dosages	Adult: 30 mg IV or 60 IM Peds: 15 mg IV or 30 IM	NSAID allergy Contraindicated in pregnancy
Lorazepam (Ativan)	Mild/Moderate: N/A Severe: 1 – 2 mg	10 min	0.5 – 1 mg	4 mg (8 mg) ²	Allergy Respiratory depression
Midazolam (Versed)	Adults: 1 – 3 mg	10 min	1 – 3 mg	5 mg (10 mg) ²	Allergy Respiratory depression
Notes:	1. Maximum dose; More may be given as ordered by Medical Control 2. Maximum doses are doubled only for severe burn pain patients who meet criteria for RSI. See protocol, above. 3. Examples: Rapid extrication due to deteriorating condition or imminent environmental threat; straightening a badly angulated or mangled long-bone fracture; severe burn injuries to obliterate pain during RSI, etc.				