



Jackson Hole Fire/EMS Operations Manual

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Title: **Medication Protocol:
Ketorolac**
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KETOROLAC (Toradol) (Medication Protocol)

PARAMEDIC PROVIDERS

STANDING ORDER

CLASS: Non-steroidal Anti-inflammatory Drug (NSAID)

**PHARMACOLOGY/
ACTIONS:** May inhibit prostaglandin synthesis. Relieves pain associated with inflammation. Antipyretic agent that does not affect CNS, considered to be a peripheral acting analgesic therefore it does not possess the same sedative properties as a narcotic.

ONSET/DURATION: Onset: IV / IO: approx. 30 min
Peak effect: IV/ IO: approx. 40–60 min
Duration: 4-6 hours

**USE IN FIELD/
INDICATIONS:**

- Moderate to severe pain
- Ideal for colicky pain – gallbladder, kidney stones
- Ideal for narcotic resistant pain, i.e. chronic back pain
- Isolated extremity pain, fracture, dislocation
- Burns without hemodynamic compromise

CONTRAINDICATIONS: **Known Hypersensitivity to NSAIDS**
Avoid NSAIDs in women who are pregnant
GI bleeding or ulcers
Avoid in patients taking anticoagulants, i.e. Coumadin.
Avoid in multisystem trauma, head injuries, or unstable vital signs
Use with caution in diabetic patients or patients with known kidney disease

**PRECAUTIONS/
SIDE EFFECTS:** Use with caution in pts >65 yo, consider ½ dose
Inhibits platelet aggregation and may prolong bleeding time.
Nausea & vomiting, drowsiness

DRUG INTERACTIONS: Avoid in patients taking anticoagulants, i.e. Coumadin.

ROUTE: IV / IO / IM

DOSAGE:	ADULT	PEDIATRIC (<45 kg, >5 yo)
	IV/IO: 15 mg slow push	IV/IO: 0.5 mg/kg (max. 15 mg) slow push
	IM: 30 mg	IM: 1 mg/kg (max. 30 mg)
	May repeat in 6 hours	May repeat in 6 hours

PREGNANCY SAFETY: Category C: safety for use not established.

COMMENTS: Increased doses will not be more effective.
Low doses of narcotics may be required to treat breakthrough pain.
Protect from light.