

Subject: ALS Medication – Paramedic  
Ketorolac (Toradol) Administration Policy

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I. Class

Non-steroidal anti-inflammatory drug (NSAID)

II. Indications

- A. Mild to Moderate pain for patients over 2 years of age with back or extremity pain.
- B. Patients with moderate to severe pain from renal colic (kidney stones).

III. Therapeutic Effects

- A. Ketorolac's mechanism of action is not completely understood, but it is related to prostaglandin synthetase inhibition.
- B. Ketorolac is an effective analgesic and anti-inflammatory medication.
- C. Ketorolac's therapeutic effects make it an ideal medication for mild to moderate acute pain resulting from an injury or renal colic.

IV. Contraindications

A. Absolute:

- 1. Renal impairment from any cause including kidney transplants.
- 2. Known allergy or hypersensitivity to NSAIDS.
- 3. Patients are already receiving NSAIDS.
- 4. Ketorolac is NOT indicated for chest pain.
- 5. Bleeding or high risk of bleeding.
- 6. Pregnancy, active labor or women who are breastfeeding.
- 7. Trauma other than isolated extremity trauma.
- 8. Less than 2 years of age.

B. Relative:

- 1. Dosing for patients over 65 years should be reduced by 50% due to concerns for age related reduction of renal function.

V. Administration and Dosage

A. Adult

- 1. IV/IO 15mg slow over 15 seconds.
- 2. IM 30mg
- 3. IN 30mg Intranasal (IN)
- 4. DO NOT REPEAT

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- B. Pediatric greater than 2 years of age
    - a. 0.5mg/kg IM/IV/IO or IN, maximum dose 15mg by any route.
    - b. DO NOT REPEAT

**VI. Special Information**

Adverse effects can include abdominal pain, headache, nausea.

**VII. Base Orders**

Standing Order if no contraindications exist.