

IBUPROFEN [ADVIL / MOTRIN]

DRUG CLASSIFICATION	Monocarboxylic; Propionic Acid Derivative Nonsteroidal Anti-Inflammatory Agent Nonopioid Analgesic Agent Antipyretic Agent
MECHANISM OF ACTION	Reversibly inhibits COX-1 and COX-2 enzymes, resulting in decreased formation of pain-forming prostaglandin precursors. Likely inhibits chemotaxis, altering lymphocyte activity, inhibiting neutrophil actions, and decreasing proinflammatory cytokine levels which, could possibly contribute to anti-inflammatory and antipyretic effects.
CLINICAL INDICATIONS	Fever $\geq 100.4^{\circ}\text{F}$ Mild Pain
STANDARD CONTRAINDICATIONS	Administration to Pediatrics with Age < 6 months Hypersensitivity to Ibuprofen, NSAID's, or Other Relative Components Known or Suspected Renal Insufficiency, Renal Disease, or Renal Transplant Known or Suspected Gastrointestinal Bleeding Disorders / Gastrointestinal Peptic Ulcers
POTENTIAL ADVERSE EFFECTS	Hepatotoxicity / Nephrotoxicity / Rash / Anemia / Bleeding / Dizziness / GI-Discomfort / Fluid Retention
GENERAL RISKS & PRECAUTION	1) Use may increase risk of hyperkalemia in patients with diabetes, renal disease, or those who are ≥ 65 years of age. 2) Use caution for patients with known or suspected risks of cardiovascular thrombotic events such as MI or stroke. 3) Use caution for patients that have platelet disorders, bleeding disorders, and/or similar prescribed medication. 4) Ibuprofen should not be used in patients with known renal disease or renal transplant, in patient who have known allergies to NSAIDS, with active bleeding, headaches, abdominal pain, stomach ulcers, or in patients who may need surgical intervention such as open fractures or obvious deformities.
PROTOCOL INDEX	Fever / Infection Control (UP-10) Pain Control (UP-11)

MEDICATION ADMINISTRATION

ADULT

PEDIATRIC

Fever $\geq 100.4^{\circ}\text{F}$
400 – 800 mg [PO]
(Maximum: 800 mg)

Mild Pain Control
400 – 800 mg [PO]
(Maximum: 800 mg)

Fever $\geq 100.4^{\circ}\text{F}$
IF AGE > 6 MONTHS
10 mg / kg [PO]; (Maximum: 400 mg)

Mild Pain Control
IF AGE > 6 MONTHS
10 mg / kg [PO]; (Maximum: 400 mg)