

Ibuprofen (Advil, Motrin)

Indication(s): Pain Management Protocol (Children)

Contraindications: Hypersensitivity to ASA, ibuprofen, or other NSAIDs. Active peptic ulcer or inflammatory bowel disease. Ibuprofen should not be used during pregnancy or by nursing mothers.

Precautions: Use with caution in patients with dehydration, impaired renal function, heart failure, liver dysfunction, those taking diuretics and anticoagulants, history of GI irritation and the elderly. GI perforation, ulceration and bleeding, in some cases fatal, have been reported with all systemic NSAIDs. Monitor for increased BP.

Drug Interactions: Other NSAIDs (↑ adverse effects); ASA, anticoagulants, SSRIs (↑ bleeding risk); Corticosteroids (↑ GI bleed risk); Antihypertensives (Potential ↓ antihypertensive effectiveness due NSAIDs tendency ↑ BP). (Avoid if possible – Monitor for all).

Adverse Effects: (1-14%) Nausea, dyspepsia, diarrhea, anorexia, flatulence; (1-10%) Headache, drowsiness, dizziness, tinnitus, rash, prolonged bleeding time, anemia; (2-9%) Edema; (0.7–3%) Hypertension.

Pharmacology: Mechanism of action is due to the inhibition of COX enzymes that mediate the inflammatory response. Time to peak effect: Oral dosing: 1-2 hr. Duration of action: 4-6 hr.

Dosage and Administration: Paediatric: Ibuprofen 10mg/kg PO q8h PRN (Max 40mg/kg/day, not to exceed 2400mg). Ideally administer with food to reduce gastric irritation.