

ACETAMINOPHEN [TYLENOL]

DRUG CLASSIFICATION	Para-aminophenol Derivative Nonopioid Analgesic Agent Antipyretic Agent
MECHANISM OF ACTION	The antipyretic property is due to the inhibition effect of hypothalamic heat-regulating center. The analgesic property is primarily due to activation of CNS descending serotonergic inhibitory pathways and interactions with other nociceptive systems. Acetaminophen lacks anti-inflammatory properties as it does not inhibit PG synthesis in peripheral tissues. Primarily metabolized in the liver and absorbed in the small intestine, the onset of action for oral Acetaminophen agents is < 1 hour with a duration of approximately 4 to 6 hours.
CLINICAL INDICATIONS	Fever ≥ 100.4°F (38°C) Mild Pain
STANDARD CONTRAINDICATIONS	Hypersensitivity to Acetaminophen or Other Relative Components Known History of Liver Failure or Liver Disease Known History of Hepatic Insufficiency
POTENTIAL ADVERSE EFFECTS	Acute Hepatotoxicity / Headache / Nausea / Vomiting / Mild-to-Severe Skin Reactions / Purpura / Dyspnea / Muscle Cramps / Trismus / Rhabdomyolysis / Heart Failure / Myocarditis / Hearing Loss / Oliguria / Hemolytic Anemia
GENERAL RISKS & PRECAUTION	1) Use with extreme caution in patients that have a G6PD Deficiency. 2) Use extreme caution in patients if their medical history is associated with renal impairment. 3) If severe Acetaminophen toxicity is prevalent, the patient faces high risk for irreversible liver failure. 4) Prior to administration, determine any previous recent intake of Acetaminophen and the overall risk for toxicity. 5) Adult consumption should not exceed 4.0 grams in 24 hours. 6) Pediatric consumption should not exceed 2.6 grams in 24 hours.
PROTOCOL INDEX	Fever / Infection Control (UP-10) Pain Control (UP-11)

MEDICATION ADMINISTRATION

ADULT

PEDIATRIC

Fever ≥ 100.4°F (38°C)
325 – 1000 mg [PO]
(Maximum Total Dose: 1000 mg)

Mild Pain
325 – 1000 mg [PO]
(Maximum Total Dose: 1000 mg)

Fever ≥ 100.4°F (38°C)
15 mg / kg [PO]
(Maximum Total Dose: 1000 mg)

Mild Pain
15 mg / kg [PO]
(Maximum Total Dose: 1000 mg)