

Analgesics Fact Sheet

Acetaminophen	Non-Steroidal Anti-Inflammatory Analgesics (NSAIDS)	Opioids	Antiepileptics	Antidepressants	Corticosteroids
<p>When to Use:</p> <ul style="list-style-type: none"> • Indicated for mild to moderate somatic and visceral pain as a single agent or combined with an opioid • Treats fever, headache, muscle and general pain • Oral, liquid, rectal and intravenous formulations • Does not affect platelets <p>When to Avoid:</p> <ul style="list-style-type: none"> • Should NOT be used in patients with liver impairment. MONITOR LIVER TESTS • Narrow therapeutic ratio: Patients should be cautioned and should NOT use more than 4 gram/day (=8 extra strength tablets per 24 hours) WITH close monitoring or 3 gram/day unmonitored. NOTE: 2 extra strength 500 mg acetaminophen (Tylenol) tabs every 6 hours=4 grams. MINOR increases above recommended doses pose serious risk of hepatic necrosis and death <p>NOTE: Has no anti-inflammatory properties</p>					

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<p>When to Use:</p> <ul style="list-style-type: none"> Indicated for mild to moderate visceral and somatic pain as a single agent or combined with an opioid Indicated when treating inflammatory states in the musculoskeletal system Oral, liquid, topical and intravenous formulations <p>When to Avoid:</p> <ul style="list-style-type: none"> Bleeding risk, particularly to the gastrointestinal tract In combination with other anticoagulants such as warfarin or enoxaparin (Lovenox) Low platelet count Renal dysfunction Diabetes -high risk of renal dysfunction and failure Elderly with creatinine clearance under 30ml/min (common in people over 75 years of age) Congestive heart failure (additive cardiotoxicity and risk of renal failure) If patient is already on corticosteroids (increased bleeding risk with no increase in efficacy) <p>Increased risk of toxicity can occur in the following situations:</p> <ul style="list-style-type: none"> Higher dose and longer therapy Elderly and medically frail patients Patients with renal insufficiency Patients with prior gastritis, other gastrointestinal bleeding Patients on anticoagulation <p>Long-term use must be weighed in terms of benefit vs. potential risk.</p> <p>NOTE:</p> <ul style="list-style-type: none"> No NSAID has greater analgesic efficacy or safety profile than any other NSAID Celecoxib is the only remaining Cox-2 inhibitor on the U.S. market and has not been demonstrated to have greater analgesic efficacy or safety than other NSAIDs 					

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<p>When to Use:</p> <ul style="list-style-type: none"> • Indicated for moderate to severe pain as a single agent or combined with acetaminophen or NSAIDs • Effective across all 3 pain types (somatic, visceral, and neuropathic) • Mainstay for treatment of moderate to severe cancer pain • Oral, liquid, transbuccal, transdermal, rectal, subcutaneous, intravenous formulations • Does not affect platelets, renal function, liver function, gastric mucosa <p>When to Avoid:</p> <ul style="list-style-type: none"> • Long-term use of opioids in persistent non-cancer pain without underlying serious illness (e.g. fibromyalgia, chronic low back pain) should only be considered under the supervision of a pain specialist <p>Key Provisos:</p> <ul style="list-style-type: none"> • Drug choice and dosing adjustments are necessary in patients with underlying organ dysfunction (kidney, liver) • Side effects are manageable for most patients (constipation, nausea, sedation) • Should be tapered when discontinued 					

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<p>When to Use:</p> <ul style="list-style-type: none"> Indicated for moderate to severe neuropathic pain as a single agent or combined with other synergistic drugs, including gabapentin and pregabalin Mainstay for treatment of neuropathic pain though evidence is mixed Oral formulations only Side effects are manageable for most patients <p>Key Provisos:</p> <ul style="list-style-type: none"> Dose adjustment in patients with renal failure or renal insufficiency (elderly) for gabapentin and pregabalin Can cause sedation, confusion, ataxia, edema Drug-drug interactions are generally well-tolerated 					

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<p>When to Use:</p> <ul style="list-style-type: none"> Indicated for moderate to severe pain as a single agent or combined with other synergistic drugs Mainstay for treatment of neuropathic pain and mood disorders Includes tricyclic antidepressants and serotonin-norepinephrine reuptake inhibitors (SNRIs) Oral formulation only <p>When to Avoid:</p> <ul style="list-style-type: none"> Tricyclic Antidepressants: caution in older patients and those with underlying cardiac disease; anticholinergic side effects include QT prolongation, sedation, delirium, constipation, urinary retention and orthostasis. <p>NOTE: Selective-serotonin reuptake inhibitors (SSRIs) have not been shown to relieve pain.</p>					

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<p>When to Use:</p> <ul style="list-style-type: none"> • Indicated for moderate to severe somatic and visceral pain as a single agent or combined with other synergistic drugs • Includes dexamethasone (long-acting) and prednisone • Widely used as a multipurpose analgesic including: bone pain, capsular pain (e.g. liver capsular stretch pain). Headache (raised intracranial pressure), bowel obstruction (due to tumor compression), although evidence base is limited • Evidence supports the use of corticosteroids for improved appetite, well-being and fatigue • Oral, liquid, intravenous, rectal subcutaneous, depot intramuscular injection formulations <p>Serious side effects include:</p> <ul style="list-style-type: none"> ○ Early: <ul style="list-style-type: none"> ▪ Agitation ▪ Delirium ▪ Hyperglycemia ▪ Fluid retention ▪ Hypertension ▪ Increased risk of infection ○ Late: <ul style="list-style-type: none"> ▪ Adrenal insufficiency ▪ Myopathy ▪ Hyperglycemia ▪ GI bleeding ▪ Avascular necrosis ▪ Osteoporosis and fracture ▪ Increased risk of infection <ul style="list-style-type: none"> • Should not be combined with NSAIDs-increased risk of GI bleeding with no increase in efficacy 					