

Contraindications — Hypersensitivity, myocardial damage, diabetic coma, heart block, hypermagnesemia, hypercalcemia

Methylprednisolone

Name — Medrol®, Medrol Dosepak®, DepoMedrol®, SoluMedrol®

Class — Corticosteroid, anti-inflammatory agent

Pharmacologic Action — Potent glucocorticoid with minimal to no mineralocorticoid activity. Modulates carbohydrate, protein, and lipid metabolism and maintenance of fluid and electrolyte homeostasis. Controls or prevents inflammation by controlling rate of protein synthesis, suppressing migration of polymorphonuclear leukocytes (PMNs) and fibroblasts, reversing capillary permeability, and stabilizing lysosomes at cellular level

Indications — For the management of acute bronchospastic disease as well as for adrenal insufficiency

Contraindications — Untreated serious infections, documented hypersensitivity, IM route is contraindicated in idiopathic thrombocytopenic purpura, traumatic brain injury (high doses)

Metoclopramide

Name — Reglan®, Metozolv ODT®

Class — Antiemetic agent, prokinetic agent

Pharmacologic Action — Blocks dopamine receptors (at high dose) and serotonin receptors in chemoreceptor trigger zone of CNS; and sensitizes tissues to acetylcholine; increases upper GI motility but not secretions; increases lower esophageal sphincter tone

Indications — For the management of nausea and vomiting

Contraindications — Hypersensitivity to metoclopramide or procainamide, GI hemorrhage, mechanical obstruction, perforation, history of seizures, pheochromocytoma. Other drugs causing extrapyramidal symptoms (e.g., phenothiazines, butyrophenones)

Metoprolol

Name — Lopressor®, Toprol XL®

Class — Beta blocker, beta-1 selective

Pharmacologic Action — Blocks response to beta-adrenergic stimulation; cardio selective for beta-1 receptors at low doses, with little or no effect on beta-2 receptors

Indications — For management of narrow complex tachycardias

Contraindications — Hypersensitivity. *When administered for hypertension or angina:* Sinus bradycardia, 2nd or 3rd degree AV block, cardiogenic shock, sick sinus syndrome (unless permanent pacemaker in place), severe peripheral vascular disease, pheochromocytoma. *When administered for myocardial infarction:* Severe sinus bradycardia with heart rate less than 45 beats/minute, systolic BP less than 100 mmHg, significant first-degree heart block (PR interval at least 0.24 seconds), moderate-to-severe cardiac failure

WARNING: May cause 1st, 2nd, or 3rd degree AV block

Midazolam

Name — Versed®

Class — Anticonvulsants, other; antianxiety agent; anxiolytics; benzodiazepines

Pharmacologic Action — Binds receptors at several sites within the CNS, including the limbic system and reticular formation; effects may be mediated through gabba-aminobutyric acid (GABA) receptor system; increase in neuronal membrane permeability to chloride ions enhances the inhibitory effects of GABA; the shift in chloride ions causes hyperpolarization (less excitability) and stabilization of the neuronal membrane