

Set 8
(71-80)

Generic
ranitidine

Brand
(Zantac)

Classification: Histamine-2 Antagonist

Indication: Treatment of duodenal ulcer, benign gastric ulcer, pathological hypersecretory syndrome, GERD: relief ~~of~~ symptoms of heartburn, acid indigestion, sour stomach in adults

S/E & adverse reactions: GI: diarrhea or constipation, CNS: dizziness, headache, somnolence, confusion, or even hallucinations, CV: arrhythmias, hypotension, & gynecomastia

Nursing Considerations:

- Contraindications: Hypersensitivity, cautious → pregnancy or lactation, hepatic or renal dysfunction
- Administer w/ meals & @ bedtime
- ↓ dose in renal or liver failure
- Provide concurrent antacid therapy to relieve pain
- Administer IM dose undiluted, deep into large muscle mass
- Arrange for regular follow-up: blood tests to evaluate effects
- Pt edu: report sore throat, fever, unusual bruising or bleeding, tarry stools, confusion, hallucinations, dizziness, severe headache, muscle or joint pain

Generic Omeprazole Brand (Prilosec)

Classification: Proton Pump Inhibitors

Indication: Short-term treatment of active duodenal ulcer or active benign gastric ulcer, Heartburn or s/s of GERD, pathological hypersecretory syndromes, eradication of Helicobacter pylori infection as part of combination therapy

S/E & adverse reactions: Headache, dizziness, vertigo, insomnia, rash, diarrhea, ab pain, nausea, vomiting, upper resp. infection symptoms, cough

Nursing Considerations:

- Contraindications: Hypersensitivity, Cautions → pregnancy & lactation, pt < 18 years of age except for lansoprazole which is the PPI for children
- Monitor improvements of GI symptoms
- Assess for dizziness that may affect gait & balance
- Monitor CNS S/E
- Monitor chest pain for CV dysfunction
- Pt edu: avoid alcohol & foods that may ↑ GI irritation, report bothersome S/E

Generic Brand
loperamide (Imodium)

Classification: Antidiarrheals

Indication: Nonspecific diarrhea & chronic diarrhea associated w/ irritable bowel syndrome, reduction of volume of discharge from ileostomies

SE & adverse reactions: Ab pain, distention, or discomfort, dry mouth, nausea, constipation, dizziness, tiredness, drowsiness

Nursing Considerations:

- Contraindications: Hypersensitivity, caution → preg. 3

lactation, GI obstruction, diarrhea due to poisonings, or hepatic impairment

- Discontinue if there is no improvement after 48 hours of therapy for acute diarrhea
- Monitor fluid & electrolyte balance
- Notify physician if pt w/ ulcerative colitis develops abdominal distention or other GI symptoms (possible signs of potentially fatal toxic ~~shock~~ megacolon)
- Pt edu: DO NOT take w/ alcohol & other CNS depressants, unless otherwise advised by physician b/c it may enhance drowsiness, do not breastfeed while on this drug, learn how to relieve dry mouth

Generic Brand
metoclopramide (Reglan)

Classification: Gastrointestinal stimulants

Indication: Acute & chronic diabetic gastroparesis, GERD, prevention of post-op or chemotherapy-induced nausea & vomiting, facilitation of small-bowel intubation, stimulation of gastric emptying, promotion of intestinal transit of barium

S/E & adverse reactions: Restlessness, drowsiness, fatigue, extrapyramidal effects, parkinson-like reactions, ~~nausea~~ nausea, diarrhea

Nursing considerations:

- Contraindications: hypersensitivity, GI obstruction, caution → pregnancy & lactation
- Drug-Drug interactions: Digoxin b/c ↓ absorption of digoxin from GI tract, Cyclosporine b/c it can ↓ immunosuppressive effects & ↑ toxicity of cyclosporine
- Monitor: BP (w/ IV admin), extrapyramidal reactions, diabetic pts
- Pt edu: take as prescribed, do not use alcohol, sleep remedies, sedatives b/c serious sedation occurs, report involuntary movements of the face, eyes, or limbs, severe depression, severe diarrhea

generic brand
ondansetron (Zofran)

Classification: 5-HT₃ Receptor Blockers

Indication: Severe nausea & vomiting associated with emetogenic cancer chemotherapy, radiation therapy, post-op nausea & vomiting

SE & adverse reactions: Headache, dizziness, drowsiness, myalgia, urinary retention, constipation, pain @ injection site

Nursing considerations:

- contraindications: hypersensitivity, caution → preg 3 ^{lactation}

- Assess : motor function & report extrapyramidal reactions (tardive dyskinesia, pseudoparkinsonism, Akathisia, dystonias & dyskinesias), dizziness, drowsiness that might affect gait
- Pt edu: report bothersome S/E, do not take in larger or smaller amounts or for longer than recommended, can be taken w/ or without food, take w/ full glass of water

Generic
methylprednisolone (Medrol)^{Brand}

Classification: **GLUCOCORTICOIDS**

Indication: **Allergic & inflammatory disorders**

SE & adverse reactions: **Toxicity in African Americans, retardation in children, injection site, location may burn, heartburn, headache, nausea, vomiting, dizziness, trouble sleeping, appetite changes, ↑ sweating, or even acne**

Nursing considerations:

• **Contraindications: hypersensitivity, acute infection,**

lactation, caution → diabetes (bc ↑ glucose levels),
acute peptic ulcer (bc steroids cause ulcers sometimes),
endocrine disorders, & pregnancy

Generic Brand
levothyroxine (Synthroid)

Classification: Thyroid agent

Indication: Replacement therapy in hypothyroidism, pituitary TSH suppression in treatment of euthyroid goiters & management of ^{thyroid} cancer, thyrotoxicosis, myxedema coma

SE & adverse reactions: Tremors, headache, nervousness, palpitations, tachycardia, allergic skin reactions, loss of hair in the first few months of therapy in children, diarrhea, nausea, & vomiting

Nursing considerations:

- Contraindications: hypersensitivity, ~~acute~~ thyrotoxicosis, acute myocardial infarction, Caution → lactation, hypoadrenal conditions such as Addison's disease.
- Obtain baseline v/s, weight & height
- Monitor & report cardiac excitability (angina, chest pain, palpitations, arrhythmias)
- Monitor pts T₄ & TSH levels
- Pt edu: take ^{daily} daily on an empty stomach (b/f breakfast), don't discontinue w/ out checking w/ provider

Generic Brand
alendronate (Fosamax)

Classification: Bisphosphonates

Indication: Treatment & Prevention of osteoporosis in postmenopausal women & in men, glucocorticoid-induced osteoporosis, Paget disease

S/E & adverse reactions: Headache, nausea, diarrhea, ↑ or recurrent bone pain, & esophageal erosion

Nursing considerations:

- Contraindications: nursing mothers, hypocalcemia, Hypersensitivity to bisphosphonates, pregnancy, renal

dysfunction, upper GI disease

- Give in the morning w/ a full glass of water
30 min b/f any other food or beverage & pt
must stay upright for at least 30 min, If NO T!
can result in esophageal ~~erosion~~ erosion
- Oral absorption of bisphosphonates ↓ if taken w/
antacids, calcium products, iron, or multiple vitamins
So take 30 min separated from bisphosphonates
- Drug-Drug: Aspirin b/c GI distress can occur so avoid
- Monitor calcium levels b/f admin & after
- Ensure adequate vitamin D & calcium intake
- Pt edu: Take in the morning 30 min b/f food or beverage
report twitching, muscle spasms, dark-colored urine, & severe ^{discomfort}

Insulin (various types)

Classifications: Antidiabetic agent, Insulin

Indications: Type 1 DM, Type 2 DM in pts whose diabetes cannot be controlled w/ diet or other meds, DKA, diabetic coma, Hyperkalemia, stress (surgeries, disease), poor controlled glucose levels, gestational diabetes

SE & adverse reactions: Hypersensitivity reaction, local reactions @ injection site, hypoglycemia, ketoacidosis

Nursing considerations:

- Contraindications: Not so much b/c its a replacement hormone other than hypoglycemia
- Do not give IV (only regular insulin is given IV) give sub Q
- Rotate sites
- Monitor pts for hypoglycemia
- Check & monitor blood glucose levels
- Pt edu: Do not mix insulins, rotate sites, store @ specific area, monitor blood or urine glucose levels & ketones, report fever, sore throat, vomiting, hypoglycemic reactions, rash, & avoid alcohol

Do not freeze

Generic

Brand

metformin (Glucophage)

Classification: Biguanides, other antidiabetic agents

Indication: Type 2 DM older than 10 years of age, extended release for $\geq$ older than 17, polycystic ovary syndrome

S/E & adverse reactions: Hypoglycemia, lactic acidosis, GI upset, nausea, anorexia, diarrhea, heartburn, allergic skin reaction

Nursing considerations:

- Contraindications: Acute or chronic metabolic acidosis

w/ or without coma, renal failure, severe renal or hepatic impairment, dehydration, severe infection, shock, CttF, severe impairment of thyroid function

- Monitor blood or urine glucose levels frequently
- Pt edu: Don't stop taking drug w/ out consulting your PCP, monitor blood or urine for glucose & ketones as prescribed, swallow whole drugs don't chew or crush, do not take during pregnancy, avoid alcohol, report fever or sig of sickness