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Pharmacology

Name	Ranitidine (zantac 360)
Classification	Histamine antagonist
Indication	Stomach and intestine ulcers, GERD, esophagitis
Side Effects/ Adverse Reactions	Headache, abdominal pain, agitation, hair loss, confusion, constipation, diarrhea, dizziness, hypersensitivity, nausea, vomiting, anemia, pancreatitis, decreased RBC WBC, suppressed immune system, joint pain, muscle pain
Nursing Considerations	Decreases stomach acid, allergies, b12 malabsorption

Name	Omeprazole (prilosec)
Classification	Proton Pump inhibitors
Indication	GERD, excess stomach acid, gastric ulcers
Side Effects/ Adverse Reactions	Severe stomach pain, diarrhea, new unusual pain, seizures, little or no urination, blood in urine, swelling, rapid weight gain, dizziness, irregular heartbeats, jittery, muscle cramps, muscle spasms, cough, choking feeling, joint pain, skin rash
Nursing Considerations	Avoid alcohol and foods that cause GI irritation, proper administration (no chewing or crushing of tablets)

Name	Loperamide (Imodium)
Classification	antidiarrheals
Indication	Acute or chronic diuretics
Side Effects/ Adverse Reactions	Bloody or watery stools, stomach pain or bloating, ongoing or worse diarrhea, tachycardia, fluttering chest, SOB, constipation, stomach cramps, drowsiness
Nursing Considerations	Potential for drug abuse and dependence, teratogenic effects, overdose, contraindicated with diarrhea patients and colitis patients

Name	Metoclopramide (Reglan)
Classification	Antiemetic Agents, Prokinetic Agents
Indication	GERD, N/V
Side Effects/ Adverse Reactions	Tremors or shaking your arms, confusion, depression, thoughts of suicide, convulsions, agitation, jittery feeling, trouble staying still, insomnia, swelling, SOB, insomnia
Nursing Considerations	CNS effects, allergies, renal side effects, do not give gastrointestinal hemorrhage, mechanical obstruction or perforation

Name	Ondansetron (zofran)
Classification	Antiemetics
Indication	N/V after cancer or put patient to sleep before surgery by blocking serotonin
Side Effects/ Adverse Reactions	Headache, malaise/fatigue, constipation, poor O ₂ , drowsiness, diarrhea, fever, dizziness, fever, gynecologic disorder, anxiety, urinary retention, severe itching, injection site pain, HR irregularities, palpitations, fainting, ECG changes
Nursing Considerations	Monitor cardiac and neural side effects like prolonged QT time, check for hypersensitivity and allergy

Name	Methylprednisolone (medrol, depo medrol)
Classification	corticosteroids
Indication	Arthritis, blood disorders, eye conditions, respiratory, allergy, swelling
Side Effects/ Adverse Reactions	Adrenal suppression, anal itching, DM, hepatomegaly, increased HR, fluid retention, GI perforation, glucose intolerance, hallucinations, headache, hepatitis, hypokalemic alkalosis, increased WBC, seizure
Nursing Considerations	Careful with pregnant women, benefits should outweigh risk. Liver damage, long term treatment can lead to myopathy and osteoporosis

Name	Levothyroxine
Classification	thyroid hormone
Indication	Thyroid therapy, post thyroidectomy, hypothyroidism
Side Effects/ Adverse Reactions	Weight changes, chest pain, fever, tremors, feeling unusually cold, tiredness, weakness, insomnia, depression, irritable, headache, leg cramps
Nursing Considerations	Vital signs and weight throughout therapy

Name	Alendronate (binosto, fosamax)
Classification	Bisphosphate derivatives, Calcium metabolism modifiers
Indication	osteoporosis
Side Effects/ Adverse Reactions	Low Ca ²⁺ , low Blood phosphate, musculoskeletal, indigestion, gas, constipation, diarrhea, gas, headache, acid regurgitation, esophagitis, vomiting
Nursing Considerations	Patient should be cautioned using this with breast feedings. Stay upright for 30 minutes. Monitor calcium levels. Have with a glass of water

Name	insulin
Classification	antidiabetic
Indication	High glucose levels (hyperglycemia), DM type I
Side Effects/ Adverse Reactions	Hypoglycemic, lipodystrophy, weight loss, injection site reactions
Nursing Considerations	Switch injection sites and check for glucose before and after administration

Name	Metformin (fortamet, glumetza, glucophage, riomet)
Classification	Antidiabetics, biguanides
Indication	Increase cell insulin sensitivity, targeting beta pancreatic cells, diabetes type II, adjunct to diet wei
Side Effects/ Adverse Reactions	Physical weakness, diarrhea, flatulence, URI, abdominal pain, hypoglycemia, low b12, N/V, chest discomfort, constipation, heartburn, constipation
Nursing Considerations	Check for hypoglycemia and urine. Use IV if severe hypoglycemia occurs