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 NUR203: Principles of Pharmacology: NA
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Cetirizine (Allacan, Benadryl Allergy, Piriteze Allergy, Zirtek Allergy)cl	
Classification:	Indication:
Antihistamines	treating seasonal allergies in adults and children two years and older
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none"> • headaches. • dry mouth. • feeling sick (nausea) • feeling dizzy. • diarrhea. • sore throat. • sneezing or blocked and runny nose. 	<ul style="list-style-type: none"> • Assess respiratory status, such as wheeze or tightness of the chest.

Montelukast (Singulair)	
Classification:	Indication:
leukotriene receptor antagonists (LTRAs)	Asthma, Exercise-Induced Bronchospasm, Allergic or Perennial Rhinitis
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none"> • Upper respiratory infection • Fever • Headache 	<ul style="list-style-type: none"> • Assess respiratory status. • Assess liver function tests. • Medication does not treat acute

<ul style="list-style-type: none"> • Sore throat • Cough • Stomach pain • Diarrhea, • Ear infection • Flu, runny nose, and sinus infection 	asthma attacks
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Fluticasone propionate (Flovent, Flonase)	
Classification:	Indication:
Corticosteroids	Asthma, Inflammatory, Pruritic dermatoses
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none"> • headache. • dryness, stinging, burning or irritation in the nose. • nausea. • vomiting. • diarrhea. • bloody mucus in nose. • dizziness. 	<ul style="list-style-type: none"> • use cautiously with untreated infections and suppressed immune function. • may cause headache, insomnia, bronchospasm, nasal congestion, adrenal suppression. • monitor patient's respiratory status. • may lead to decreased bone density. • instruct patients using corticosteroids and bronchodilators that they need to use bronchodilators first. • instruct patient to stop smoking

Ipratropium (Atrovent HFA)

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Classification: Bronchodilator	Indication: wheezing, shortness of breath, coughing, and chest tightness in people with chronic obstructive pulmonary disease
Side effects/ adverse reactions: <ul style="list-style-type: none">• Bladder pain.• bloody or cloudy urine.• cough producing mucus.• difficult, burning, or painful urination.• difficulty with breathing.• frequent urge to urinate.• shortness of breath.• wheezing.	Nursing Considerations: <ul style="list-style-type: none">• Protect solution for inhalation from light.• Use nebulizer mouthpiece instead of face mask to avoid blurred vision or aggravation of narrow-angle glaucoma.• Can mix albuterol in nebulizer for up to 1 hr.• Ensure adequate hydration, control environmental temperature to prevent hyperpyrexia.

Diphenhydramine (Benadryl)

Diphenhydramine (Benadryl)	
Classification: Antihistamines	Indication: to relieve red, irritated, itchy, watery eyes; sneezing; and runny nose caused by hay fever, allergies, or the common cold.
Side effects/ adverse reactions: <ul style="list-style-type: none">• dry mouth, nose, and throat.• drowsiness.• dizziness.• nausea.• vomiting.• loss of appetite.• constipation.• increased chest congestion.	Nursing Considerations: <ul style="list-style-type: none">• Administer with food if GI upset occurs.• Administer syrup form if patient is unable to take tablets.• Monitor patient response and arrange for adjustment of dosage to lowest possible effective dose.

Guaifenesin (Mucinex, Bidex 400, and Organidin NR)

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Classification:	Indication:
Expectorants	dry, nonproductive cough when there is the presence of tenacious mucus and/or mucus plugs.
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none">• Diarrhea.• headache.• nausea or vomiting.• skin rash.• stomach pain.	<ul style="list-style-type: none">• Only recommended for use during pregnancy and breastfeeding when benefit outweighs the risk.

Epinephrine (Adrenalin)

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Classification:	Indication:
alpha- and beta-adrenergic agonists	emergency treatment of type I allergic reactions, including anaphylaxis
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none">• tachycardia• hypertension• headache• anxiety• apprehension• palpitations• diaphoresis• nausea, vomiting, weakness, and tremors	<ul style="list-style-type: none">• Use extreme caution when calculating and preparing doses; epinephrine is a very potent drug; small errors in dosage can cause serious adverse effects. ...• Use minimal doses for minimal periods of time; “epinephrine-fastness” (a form of drug tolerance) can occur with prolonged use.

Albuterol sulfate (Proventil HFA and Proair HFA)

Classification:		Indication:	
Adrenergic bronchodilators.		to prevent and treat difficulty breathing, wheezing, shortness of breath, coughing, and chest tightness caused by lung diseases such as asthma and chronic obstructive pulmonary disease	
Side effects/ adverse reactions:		Nursing Considerations:	
<ul style="list-style-type: none">• nervousness or shakiness• headache, throat or nasal irritation,• muscle aches.		<ul style="list-style-type: none">• Monitor respiratory rate, oxygen saturation, and lungs sounds before and after administration.	

Terbutaline sulfate (Brethaire, Brethine)

Terbutaline sulfate (Brethaire, Brethine)	
Classification: Beta agonists	Indication: to prevent and treat wheezing, shortness of breath, and chest tightness caused by asthma, chronic bronchitis, and emphysema.
Side effects/ adverse reactions: <ul style="list-style-type: none">• uncontrollable shaking of a part of the body.• nervousness.• dizziness.• drowsiness.• difficulty falling asleep or staying asleep.• weakness.• headache.• nausea.	Nursing Considerations: <ul style="list-style-type: none">• may cause nervousness, restlessness, tremors• beta blockers can reduce effect• assess respiratory status• monitor maternal/fetal vital signs if using for preterm labor• monitor for hypoglycemia<ul style="list-style-type: none">• may cause decreased potassium level

Rifampin (Rifadin and Rimactane)

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Classification:	Indication:
Antibiotic	treatment of asymptomatic carriers of <i>Neisseria meningitidis</i> to eliminate meningococci from the nasopharynx
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none">• temporary discoloration (yellow, reddish-orange, or brown color) of your skin, teeth, saliva, urine, stool, sweat, and tears)• itching.• flushing.• headache.• drowsiness.• dizziness.• lack of coordination.• difficulty concentrating.	<ul style="list-style-type: none">• Advise patient about possible discoloration of tears, saliva, urine, and other body fluids.• Instruct patient to notify physician if discoloration becomes troublesome.• Advise patient about the likelihood of GI reactions (nausea, vomiting, diarrhea, flatulence, abdominal pain, heartburn).