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 Principles of Pharmacology
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Generic Name (Brand Name): Estradiol (Estrace)	
Classification:	Indications:
Estrogen hormone	<ul style="list-style-type: none"> - Hormone replacement therapy - Prevention of osteoporosis
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Headache - Breast tenderness - fluid retention - mood changes - vaginal bleeding - increased risk of blood clots - Stroke - certain types of cancers. 	<ul style="list-style-type: none"> - Assess patient's medical history, especially for a history of blood clots, heart disease, or breast cancer - Monitor vital signs, weight, and fluid balance - Instruct patients to report any abnormal vaginal bleeding or breast changes

Generic Name (Brand Name): Oxytocin (Pitocin, Syntocinon)	
Classification:	Indications:
Pituitary hormone	<ul style="list-style-type: none"> - Increase contraction of labor - Prevention and treatment of postpartum hemorrhage - Stimulation of milk letdown during breastfeeding
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Uterine hyperstimulation - Uterine rupture - fetal distress - water intoxication - allergic reactions 	<ul style="list-style-type: none"> - Monitor maternal and fetal vital signs and uterine contractions - Assess fetal heart rate continuously during administration - Monitor fluid balance and electrolytes - Instruct patients to report any signs of uterine hyperstimulation or fetal

	distress
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Generic Name (Brand Name): Vardenafil (Levitra)	
Classification:	Indications:
Phosphodiesterase type 5 inhibitor (PDE5 inhibitor)	- Erectile dysfunction
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Headache - Flushing - Dyspepsia - nasal congestion - back pain - visual disturbances - priapism 	<ul style="list-style-type: none"> - Assess patient's medical history, especially for a history of cardiovascular disease or hypotension - Instruct patients to report any visual disturbances or prolonged erections

Generic Name (Brand Name): Sildenafil (Viagra)	
Classification:	Indications:
Phosphodiesterase type 5 inhibitor (PDE5 inhibitor)	<ul style="list-style-type: none"> - Erectile dysfunction - Treatment of pulm. arterial hypertension
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Headache - Flushing - Dyspepsia - nasal congestion - back pain - visual disturbances - priapism 	<ul style="list-style-type: none"> - Assess patient's medical history, especially for a history of cardiovascular disease or hypotension - Instruct patients to report any visual disturbances or prolonged erections

Generic Name (Brand Name): Lidocaine (Xylocaine)	
Classification:	Indications:

Antiarrhythmic	<ul style="list-style-type: none"> - Topical anesthetic - Management for pain - Arrhythmias
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Local reactions, such as pain or irritation at the site of administration - Systemic reactions <ul style="list-style-type: none"> - Confusion - Seizures - Respiratory depression 	<ul style="list-style-type: none"> - Assess patient's medical history, especially for a history of liver disease or heart block - Monitor vital signs and respiratory status - Instruct patients to report any signs of allergic reaction or overdose

Generic Name (Brand Name): Propranolol (Indera)	
Classification:	Indications:
Beta blocker	<ul style="list-style-type: none"> - HTN - Prevention of angina - Management of arrhythmia
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Bradycardia - Hypotension - Bronchospasm - Fatigue - Dizziness - Depression - GI disturbances 	<ul style="list-style-type: none"> - Assess patient's medical history, especially for a history of asthma, diabetes, or heart disease - Monitor vital signs and respiratory status - Instruct patients to report any symptoms of bradycardia, hypotension, or worsening of asthma

Generic Name (Brand Name): Amiodarone (Cordarone)	
Classification:	Indications:
Antiarrhythmic	<ul style="list-style-type: none"> - Arrhythmias - Ventricular fibrillation - Ventricular tachycardia
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Pulmonary toxicity - liver dysfunction 	<ul style="list-style-type: none"> - Assess patient's medical history, especially for a history of lung or liver

<ul style="list-style-type: none"> - thyroid dysfunction - Photosensitivity - corneal deposits - skin discoloration 	<p>disease, hypothyroidism, or arrhythmias</p> <ul style="list-style-type: none"> - Monitor pulmonary, thyroid, and liver function - Instruct patients to report any symptoms of pulmonary toxicity or worsening of arrhythmias
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Generic Name (Brand Name): Diltiazem (Cardizem)	
Classification:	Indications:
CCB	<ul style="list-style-type: none"> - HTN - Angina - Arrhythmias
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Hypotension - Bradycardia - Constipation - peripheral edema - flushing 	<ul style="list-style-type: none"> - Assess patient's medical history, especially for a history of heart disease or hypotension - Monitor vital signs and electrocardiogram (ECG) - Instruct patients to report any symptoms of hypotension or bradycardia

Generic Name (Brand Name): Adenosine (Adenocard)	
Classification:	Indications:
Antiarrhythmic	<ul style="list-style-type: none"> - Arrhythmias - SVT
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Flushing - Chest discomfort - Dyspnea - Arrhythmias 	<ul style="list-style-type: none"> - Assess patient's medical history, especially for a history of asthma, heart disease, or caffeine intake - Monitor vital signs and ECG continuously during administration - Instruct patients to report any symptoms of chest discomfort or dyspnea

Generic Name (Brand Name): Digoxin (Lanoxin)	
Classification:	Indications:
Cardiac Glycoside	<ul style="list-style-type: none"> - HF - Arrhythmias
Side Effects/Adverse Reactions:	Nursing Considerations:
<ul style="list-style-type: none"> - Nausea, vomiting, or diarrhea - Headache, weakness, or dizziness - Changes in vision or color perception - Irregular heart rate or rhythm - Low or high levels of potassium or magnesium in the blood - Breast enlargement in men (gynecomastia) 	<ul style="list-style-type: none"> - Assess patient's medical history, especially for a history of heart disease, electrolyte imbalances, or thyroid dysfunction - Monitor vital signs, heart rate, and rhythm, as well as electrolyte levels, especially potassium and magnesium - Monitor serum digoxin levels regularly, and adjust the dose accordingly - Instruct patients to report any signs of toxicity, such as nausea, vomiting, visual disturbances, or changes in heart rate or rhythm - Teach patients how to take their pulse and how to recognize signs of irregular heart rate or rhythm, and instruct them to seek medical attention if they occur