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NUR203: Principles of Pharmacology: NA
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Dobutamine (Dobutrex)	
Classification: Inotropic Agents	Indication: used as temporary intravenous inotropic support until resolution of the acute inducing factors or the patient receives more definitive treatment, such as coronary revascularization, mechanical circulatory support, or heart transplant.
Side effects/ adverse reactions: <ul style="list-style-type: none">• Nausea• Headaches• Chest pain• Palpitations• Shortness of breath	Nursing Considerations: <ul style="list-style-type: none">• Explain to patient the dobutamine and the need for frequent monitoring.• Advise patient to inform nurse immediately if chest pain; dyspnea; or numbness, tingling, or burning of extremities occurs.• Instruct patient to notify nurse immediately of pain or discomfort at the site of administration.

Iodine (Betadine, Wokadine, Pyodine)

Classification:	Indication:
Halogen	Commonly used as an antiseptic for minor cuts and abrasions, preventing infections that may result from contaminated wounds.
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none"> • Burning of mouth or throat. • headache (severe) • increased watering of mouth. • irregular heartbeat. • metallic taste. • numbness, tingling, pain, or weakness in hands or feet. • soreness of teeth and gums. • stomach upset. 	<ul style="list-style-type: none"> • It should not be used under occlusive dressing. • Caution should be exercised in patients with history of serious burns or deep puncture wounds, any allergy, during pregnancy and breastfeeding. • Avoid contact with eyes. • Stop treatment if redness, irritation or swelling develops

Vasopressin (Vasopressin, ADH)

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Classification:	Indication:
Nonapeptide Antidiuretic Hormone	increase blood pressure in adults in vasodilatory shock refractory to the application of fluids and catecholamines.
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none">• Abdominal or stomach pain, usually after eating a meal.• agitation.• back pain.• chest tightness or heaviness.• coma.• convulsions.• decreased urine output.• difficulty with swallowing.	<ul style="list-style-type: none">• Should be prescribed cautiously to pregnant clients and lactating mothers.• The drugs can harm the fetus or newborn.• Monitor blood pressure hourly during intravenous infusion and monitor urine output, too.• Also use caution with HF and CV disease.

Nystatin (Mycostatin, Nilstat, Nyamyc, Nystat Rx, Nystatin Systemic, Nystex, and Nystop)

Classification:	Indication:
Polenes (Antifungal)	treatment and/or prevention of oral candidiasis (a.k.a. thrush), intestinal candidiasis, and anal candidiasis.
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none"> • Mouth irritation • Diarrhea • Nausea • Vomiting • Upset stomach 	<ul style="list-style-type: none"> • Advise patient to report any increased local sensitivity to this drug (pain, burning, itching, swelling). • Instruct patient about proper hygiene; ex: thoroughly wash and dry the affected area, wear clean socks and ventilated shoes for tinea pedis, and so forth.

Lactulose (Duphalac, Lactugal)

Classification:	Indication:
Osmotic Laxative	use as a laxative in the treatment of chronic constipation in

	adults and geriatric patients.
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none"> • Diarrhea. • Bloating. • Flatulence or belching • Nausea • Vomiting • Stomach pain. 	<ul style="list-style-type: none"> • Caution patients that this medication may cause belching, flatulence, or abdominal cramping. • Health care professional should be notified if this becomes bothersome or if diarrhea occurs. • Advise patient to notify health care professional if pregnancy is planned or suspected or if breast feeding.

Alteplase (Actilyse, Activase, Cathflo, Cathflo Activase)	
Classification:	Indication:
Fibrinolytic Agent Tissue Plasminogen Activator	Include pulmonary embolism, myocardial infarction with ST-segment elevation (STEMI), ischemic stroke when given

	within 3 hours of the start of symptoms, and re-establishment of patency in occluded intravenous (IV) catheters.
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none"> • Bleeding from puncture sites and wounds. • coughing up blood. • difficulty with breathing or swallowing. • headache. • increased menstrual flow or vaginal bleeding. • nosebleeds. • paralysis. • prolonged bleeding from cuts. 	<ul style="list-style-type: none"> • The patient receiving alteplase should be closely monitored for signs of bleeding or hemorrhage. • The activation of plasmin may disrupt coagulation and prevent future clot formation required for vasculature injury.

Streptokinase (Kabikinase, Streptase)	
Classification:	Indication:
Thrombolytic	treatment of acute ST-segment myocardial infarction, deep vein thrombosis, pulmonary embolism, arterial thrombosis or embolism, and arteriovenous cannula occlusion. It is in the

	thrombolytic class of medications.
Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none"> • Abdominal pain or swelling. • back pain or backaches. • black, tarry stools. • burning, itching, redness, or soreness of skin. • cloudy urine. • cold clammy skin. • coughing up blood. • difficulty with breathing. 	<ul style="list-style-type: none"> • Avoid any invasive procedures on patient during therapy and for 2 hours following therapy. • Monitor the patient for signs of bleeding every 15 minutes during therapy and hourly for next 8 hours following therapy. • Notify physician STAT if signs of anaphylaxis or allergic reaction begin to occur.

Folic Acid (Folvite)	
Classification:	Indication:
Vitamin, Water Soluble	treatment of megaloblastic anemias of pregnancy.
Side effects/ adverse reactions:	Nursing Considerations:

<ul style="list-style-type: none"> • Nausea • Loss of appetite. • Bloating or Flatulence 	<ul style="list-style-type: none"> • Use caution when giving the parenteral preparations to premature infants. • Monitor patient for hypersensitivity reactions, especially if drug previously taken.
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Glucagon (Glucagen, Gvoke)	
Classification:	Indication:
Glycogenolytic Agents	to treat insulin coma or insulin reaction resulting from severe hypoglycemia.

Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none"> • nausea. • vomiting. • hives. • injection site swelling or redness. • headache. • fast heartbeat. 	<ul style="list-style-type: none"> • Assess IV site closely for signs of extravasation. • Observe for signs of adverse effects. • Observe clinical condition closely for signs of hypoglycemia. • Monitor blood glucose levels. • Monitor blood pressure regularly.

Dexamethasone (DexPak, Decadron)	
Classification:	Indication:
Corticosteroid	used to treat certain forms of arthritis; skin, blood, kidney, eye, thyroid, and intestinal disorders, severe allergies; and asthma.

Side effects/ adverse reactions:	Nursing Considerations:
<ul style="list-style-type: none">• upset stomach.• stomach irritation.• vomiting.• headache.• dizziness.• insomnia.• restlessness.• depression.	<ul style="list-style-type: none">• Observe for signs of adverse reactions.• Monitor blood pressure 2 - 3 times daily.• Test for glycosuria daily. If urine is positive for sugar, check each urine.• Observe gastric aspirates and stools for bleeding.• Observe closely for signs of infection.