

ATI Pharmacology Proctored Exam

GRADED A LATEST 2023/2024

QUESTIONS AND ANSWERS

An immunizing agent that confers active immunity protects by: -
CORRECT ANSWER providing antibodies obtained from immune humans or animals.

Antacids should be given one hour apart from most other drugs. Which is the rationale? - CORRECT ANSWER Antacids may interfere with absorption of drugs taken at the same time.

Vancomycin should not be used to treat minor infections because it: - CORRECT ANSWER can cause "red man syndrome", a hypertensive crisis that is almost always fatal.

The antagonist for a client who has overdosed on morphine is: -
CORRECT ANSWER narcan.

The most serious adverse reaction to oral contraceptives is: -
CORRECT ANSWER thromboembolism.

When a client develops tolerance to a drug, the nurse would expect: - CORRECT ANSWER higher dose needed to achieve same effect.

Antihyperglycemic agents are prescribed for clients with: -
CORRECT ANSWER Type 2 diabetes mellitus.

The nurse assesses a client shortly after an intravenous infusion of the osmotic diuretic mannitol is started. Which finding

represents an early adverse effect of mannitol? - CORRECT ANSWER Bounding pulse

Compared to other beta adrenergic blockers, cardioselective beta adrenergic blockers: - CORRECT ANSWER are less likely to cause bronchoconstriction.

A client who experiences motion sickness during airplane flights obtains a prescription for meclizine (Antivert). When is the best time to take the drug? - CORRECT ANSWER One hour before the flight

Before prescribing a cephalosporin, the nurse practitioner asks if the client is allergic to penicillin. Why is this important to assess? - CORRECT ANSWER A client who is allergic to penicillin can have a cross sensitivity to cephalosporins.

The use of which class of antibiotics should be avoided in children? - CORRECT ANSWER Tetracyclines

In a walk-in clinic, clients are often given intramuscular injections. Which drug should be readily available in case a client has an anaphylactic reaction? - CORRECT ANSWER Epinephrine

Thiazide and loop (high ceiling) diuretics are similar in that both: - CORRECT ANSWER decrease tubular reabsorption of sodium and water.

Which of the statements by the nurse most accurately describes the effects of declined plasma albumin levels in older adults? - CORRECT ANSWER "There is an increased risk for adverse effects."

To prevent oral fungal infections, the nurse should instruct the client who uses a beclomethasone inhaler to take which action? - CORRECT ANSWER Rinse the mouth after each use.

A client takes ethinyl estradiol/norgestimate (Ortho Tri-Cyclen) birth control pills. She calls the clinic and relates that she missed her medication yesterday. Which instructions will the nurse give? - CORRECT ANSWER "Take two pills today then continue on a daily basis."

The nurse may administer acetylcysteine (Mucomyst) inhalation to: - CORRECT ANSWER facilitate mucus expectoration.

Development of a chronic cough is an adverse effect associated with which class of anti-hypertensive drugs? - CORRECT ANSWER Angiotensin converting enzyme (ACE) inhibitors

The nurse may administer baclofen (Lioresal) for the treatment of which condition? - CORRECT ANSWER Protracted muscle spasticity

Oral diazepam (Valium), a benzodiazepine, has been prescribed for a client who has anxiety and muscle spasms. Which nursing intervention is appropriate for the care of this client? - CORRECT ANSWER Assess for incoordination and daytime drowsiness.

The nurse practitioner prescribed anhydrous theophylline (Theo-Dur) for the client with chronic bronchitis. With which disorder would the nurse practitioner reconsider the use of this medication? - CORRECT ANSWER Hypertension

When a client is receiving intravenous fluid with supplementary potassium chloride, it is especially important for the nurse to monitor for which potential adverse effect? - CORRECT ANSWER Cardiac dysrhythmias

Which adverse effect is common for a client being treated with the antidepressant fluoxetine (Prozac)? - CORRECT ANSWER
Sexual dysfunction

After giving a dose of dextromethorphan, an antitussive, which data reflects evaluation of the drug's effectiveness? - CORRECT ANSWER
Client states that cough has been relieved.

Prior to giving a client a dose of digoxin, the nurse counts the apical pulse. If the rate is 62 bpm and regular, which is the appropriate nursing action? - CORRECT ANSWER
Give the drug and document the heart rate.

Digoxin is started for a client with an atrial arrhythmia. Within three days, the client's heart rate has decreased from 94 to 74. What action of digitalis explains this change? - CORRECT ANSWER
Slowed impulse conduction

One mechanism by which antihypertensive drugs lower blood pressure is to: - CORRECT ANSWER
dilate peripheral blood vessels.

There are many agents that are useful in the treatment of gastric ulcers. Which agent reacts with hydrochloric acid to form a viscous protective barrier over the ulcer? - CORRECT ANSWER
Sucralfate (Carafate)

A client whose asthma has been poorly controlled is prescribed cromolyn sodium (Intal) for inhalation. Client teaching should include which statement by the nurse? - CORRECT ANSWER
"Using this drug regularly will reduce the frequency of acute attacks."

The combination of aluminum and magnesium in many antacids decreases the risk of: - CORRECT ANSWER diarrhea or constipation.

A client who is taking one daily dose of a thiazide diuretic should be instructed to: - CORRECT ANSWER take the medication in morning to avoid nighttime voiding.

Which phase of pharmacokinetics is affected most by abnormal liver function? - CORRECT ANSWER Metabolism

A medication order is written for ciprofloxacin (Cipro). For which client should the nurse question use of this medication? - CORRECT ANSWER Child age 10

A home health client tells the nurse that she is taking triamterene (Dyrenium) for fluid retention. She tells the nurse she is using a salt substitute so she will not retain so much water. What is the most appropriate nursing response? - CORRECT ANSWER "Using a salt substitute with this medication could cause you to have too much potassium."

Orders are written for anticholinergic drugs for each of the following clients. Which order should the nurse question? - CORRECT ANSWER Atropine combined with opioid analgesics to relieve pain in a 30-year-old client with urinary calculi.

A client with Type I diabetes mellitus is given an injection of neutral protamine hagedorn (NPH) insulin at 7:00 a.m. In order to prevent a hypoglycemic reaction, the client should have: - CORRECT ANSWER a mid-afternoon snack.

Why is carbidopa-levodopa preferred over levodopa alone? - CORRECT ANSWER It decreases the amount of levodopa needed.

Which findings are most likely in the client who has taken a toxic dose of a salicylate (aspirin)? - CORRECT ANSWER Tinnitus and dizziness

Which nursing intervention is specifically important when a client is taking an alpha- blocker, such as doxazosin (Cardura) for hypertension? - CORRECT ANSWER Teach the client how to manage orthostatic hypotension.

A client reports taking large amounts of vitamins because she believes they increase her energy level and will prevent various diseases. Client teaching should include which nursing response? - CORRECT ANSWER "Large amounts of fat-soluble vitamins can be toxic."

An elderly client is prescribed a new drug. Because of the age-related changes in the kidneys and liver, it is most important that the nurse assess for: - CORRECT ANSWER signs of drug toxicity.

Evidence of effective treatment with a nucleoside reverse transcriptase inhibitor (NRTI), such as zidovudine is: - CORRECT ANSWER decreased HIV RNA level.

When oral iron supplements are prescribed, client teaching should include the fact that: - CORRECT ANSWER diarrhea or constipation may occur.

If corticosteroids are discontinued abruptly, a problem that may develop is: - CORRECT ANSWER adrenal gland shut-down.

An antiulcer drug that forms a gel to coat and protect the ulcer so that healing can occur is: - CORRECT ANSWER sucralfate (Carafate).

The nurse would describe a penicillinase to a client receiving this medication as: - CORRECT ANSWER a bacterial enzyme that can inactivate many penicillins.

Drugs given for a systemic effect by any route must be capable of: - CORRECT ANSWER distribution throughout the body.

Which statement is made by a client who is experiencing an adverse reaction to levothyroxine (Synthroid)? - CORRECT ANSWER "I feel like my heart is pounding."

Clients receiving intravenous gentamicin (Garamycin) should be assessed closely for: - CORRECT ANSWER hearing loss.

The best laxative for clients who have chronic constipation and cannot or will not consume adequate dietary fiber is a: - CORRECT ANSWER saline cathartic.

The presence of *Helicobacter pylori* is confirmed in a client with peptic ulcer disease. The nurse may anticipate the use of multiple antibiotics because: - CORRECT ANSWER *Helicobacter pylori* commonly develop resistance to single drugs.

"A disease process characterized by the continued use of a specific psychoactive substance despite physical, psychological, or social harm" is the definition of: - CORRECT ANSWER addiction.

Which group may represent an increased risk for substance abuse? - CORRECT ANSWER Socioeconomically advantaged clients

The only drug commonly used both to prevent and to treat tuberculosis is: - CORRECT ANSWER isoniazid

The most serious adverse reaction to morphine is: - CORRECT ANSWER respiratory depression.

A client who has received an injection of regular insulin at 0800 complains of feeling sweaty, weak, hungry, and shaky two hours after the injection. Which drug is indicated for this client? - CORRECT ANSWER Glucagon

When a client is prescribed an aminoglycoside, such as gentamicin (Garamycin), which instruction should be included in the teaching plan? - CORRECT ANSWER "Report to your health care provider any ringing in your ears."

When a client is being treated with trimethoprim-sulfamethoxazole (Bactrim) for a urinary tract infection, it is important to: - CORRECT ANSWER maintain good hydration.

Histamine 2 receptor antagonists such as cimetidine (Tagamet) are used to treat peptic ulcers because they: - CORRECT ANSWER neutralize hydrochloric acid in the stomach.

To administer eardrops to a child, the nurse should straighten the external ear canal by pulling the auricle: - CORRECT ANSWER down and toward the back of the head.

A client who has a history of thrombophlebitis is taking warfarin to prevent new clot formation. He should be cautioned not to take salicylic acid because: - CORRECT ANSWER aspirin increases the effects of warfarin.

Which statement by the nurse best explains why nausea, vomiting, and bone marrow suppression are common adverse effects of cytotoxic antineoplastic drugs? - CORRECT ANSWER Cytotoxic drugs affect the most rapidly dividing cells."

Glucocorticoids, such as prednisone (Deltasone), are given cautiously to clients with: - CORRECT ANSWER peptic ulcer disease.

Client teaching for the use of sublingual nitroglycerin tablets to relieve angina should include which nursing instruction: - CORRECT ANSWER "You can take up to three doses, five minutes apart, if needed."

Two days after abdominal surgery, a client's bowel sounds are hypoactive and the abdomen is distended. The physician orders bethanechol (Urecholine), a cholinergic agonist, which acts to: - CORRECT ANSWER stimulate intestinal peristalsis and tone.

A client who has been on furosemide (Lasix) for one year reports weakness in her legs, constipation, palpitations, and lethargy. Her bowel sounds are hypoactive. The nurse should suspect which complication? - CORRECT ANSWER Hypokalemia

The drug of choice to treat a client with status epilepticus is: - CORRECT ANSWER diazepam (Valium).

A nurse cautions a client with Parkinson's disease who is taking carbidopa/levodopa (Sinemet) against taking any monoamine oxidase (MAO) inhibitors because the drug interaction can cause: - CORRECT ANSWER severe hypertension.

A client who is scheduled for cataract surgery has an order for acetazolamide (Diamox) preoperatively. Is this an appropriate order and, if so, why? - CORRECT ANSWER This type of drug is commonly used before ophthalmic surgery to reduce intraocular pressure.

The purpose of a spacer with a metered-dose inhaler is to: - CORRECT ANSWER increase the amount of drug delivered to the lungs.

When a client is using a sympathomimetic (adrenergic) bronchodilator such as albuterol, the nurse would expect which effect? - CORRECT ANSWER Central nervous system stimulation

Fluconazole (Diflucan) is prescribed for the client with a fungal infection in the toenails. The nurse should instruct the client to contact the nurse practitioner immediately if which adverse effect occurs? - CORRECT ANSWER Bruising or sore throat

The effects of epinephrine include: - CORRECT ANSWER increased pulse and blood pressure.

To administer heparin subcutaneously, the nurse should: - CORRECT ANSWER use a 26-gauge, 1/2-inch needle to minimize trauma.

Digoxin (lanoxin) - CORRECT ANSWER anti dysrhythmic] SE: blurred/double vision

Guaifenesin - CORRECT ANSWER can cause drowsiness

Estrogen (premarin) - CORRECT ANSWER SE: ↑ risk of Thromboembolism with s/s: SOB, severe headache, vomiting, sudden acute pain in the calves, legs, chest, abdomen.

Doxepin (Sinequan) - CORRECT ANSWER [anticholinergic] SE: urinary retention, constipation, drying of nasal/oral secretions, ↑HR