

Pharma - study

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DEPARTMENT OF PHARMACOLOGY

MARKS: 60

TIME ALLOWED: 60 MINUTES

- Aspirin inhibits thromboxane synthesis by blocking
 a. Cyclooxygenase b. Lipooxygenase c. Phospholipase A₂ d. Lipoprotein Lipase
- A patient of Hyperlipidemia is started on simvastatin, which of the following is a major mechanism of simvastatin.
 a. Increased excretion of bile acid salts b. Increased secretion of VLDL by the liver
 c. Inhibition of HMGCoA reductase d. Reduced uptake of dietary cholesterol
- Acetaminophen toxicity needs prompt administration of:
a. Atropine b. Acetylcysteine c. Sodabcarb d. Adrenaline
- Strong agonist of mineralocorticoid receptor is:
a. Prednisone b. Fludrocortisone c. Mifepristone d. Spironalactone
- Which of the following statement is true regarding Tamoxifen
a. Acts as Estrogen agonist in breast b. Acts as Estrogen agonist in CNS
d. Acts as Estrogen antagonist in bone d. Acts as Estrogen antagonist in breast
- Which of the following drugs exhibits disulfiram like reaction
 a. Cefoperazone b. Ampicillin c. Meropenem d. Ceftriaxone
- The amide type local anesthetic with longest duration of action is
a. Cocaine b. Lidocaine c. Procaine d. Ropivacaine ✓
- An endogenous peptide that causes pain and edema in the area of release and is inactivated by angiotensin converting enzyme is
a. Angiotensin - II b. Bradykinin c. Endothelin - I d. Substance P
- The most appropriate drug to differentiate between cholinergic crisis and myasthenic crisis is
a. Calcium b. Physostigmine c. Edrophonium d. Vecuronium
- The physiological antagonist of histamine is
a. Acetylcholine b. Adrenaline c. Atropine d. Diphenhydramine
- Phase II reactions of biotransformation help the drug
 a. To get excreted from body b. To increase bioavailability
c. To increase its plasma half life d. To distribute widely in body
- A 20 years male swimmer has ear infection which turns out to be pseudomonas. Which of the following antibiotics is effective against pseudomonas?
a. Nafcillin b. Methicillin c. Oxacillin d. Piperacillin
- If a drug is highly bound to plasma proteins it
a. Has a large volume of distribution b. Has a high renal clearance
 c. Is a likely candidate for drug interactions d. Is a quaternary ammonium salt
- With chronic administration, which one of the following drugs is least likely to induce formation of hepatic microsomal drug - metabolizing enzymes
a. Carbamazepine b. Ethanol c. Ketoconazole d. Phenobarbital

- 15) Ocular effects that include mydriasis and fix far vision are characteristics of
 a. Mecamylamine ✓ b. Neostigmine c. Phentolamine d. Timolol
16. Reflex tachycardia is most likely to occur after systemic administration of
 a. Albuterol b. Methoxamine c. Phenylephrine d. Propranolol ✓
17. Which of the following drug is proven to have clinical value in management of subarachnoid hemorrhage
 a. Captopril b. Dopamine c. Nifedipine d. Nimodipine ✓
18. Which one of the following characteristics of phenytoin is
 a. Inhibition of hepatic cytochromes P₄₅₀
 b. First - order elimination at high therapeutic doses
 c. Enhance the effect of estrogenic steroids
 d. Drug is not safe to use in pregnancy
19. Morphine is used with extreme caution in all of the following conditions but not in
 a. Biliary tract surgery b. Pulmonary edema c. Last stage of labor d. Hypothyroidism
20. A 35 years old patient complaining of severe pain along the Rt. Side of jaw and face; the best choice of this neuralgic pain is
 a. Methadone b. Ibuprofen c. Carbamazepine ✓ d. Lorazepam
- 21) Which of the following drug is used in treatment of rheumatoid arthritis
 a. Naproxen b. Allopurinol c. Colchicine ✓ d. Sulfinpyrazone
- 22) Which of the following local anesthetic is used exclusively for its good surface activity and low toxic potential
 a. Cocaine b. Benzocaine c. Procaine d. Lidocaine ✓
23. Epinephrine added to a solution of lidocaine for local anesthesia will
 a. Cause cyanosis locally b. Increase risk of convulsions
 c. Increase duration of local anesthesia d. Increase absorption of lidocaine
- 24) The most appropriate drug regimens for empiric treatment of Gram - ve bacilli in blood is
 a. Ampicillin plus sulbactam b. Aztrepenam c. Cefazolin d. Ticarcillin plus clavulanic acid
25. The toxic effect of amphotericin B which definitely require reduction of dose is
 a. Hepatitis b. Renal toxicity ✓ c. Hypotension d. Bone marrow suppression
26. Which of the following is usefull topically for genital herpes infection
 a. Acyclovir ✓ b. Amantadine c. Ritonavir d. Trifuridine
27. Which of the following characteristic of drugs favours drug transport across cell membrane
 a. Polar b. High molecular wt. c. Non ionized ✓ d. Charged
28. Atropine antagonized the action of
 a. Some effects of morphine b. Trimethaphan at ganglia
 c. Ach at sweat gland ✓ d. Ach at neuromuscular junction



(b)

29. A 60 year old male known hypertensive taking captopril for last 2 years. He now presents to you with the complaint of dry cough due to captopril. Which one of the following you will suggest instead of captopril
a. Enalapril b. Verapamil c. Propranolol **d. Losartan**
30. A patient goes to ophthalmologist for eye examination. Ophthalmologist wants to examine the eye in mydriasis. Which one of the following causes mydriasis without affecting accommodation
a. Atropine b. Pilocarpine c. Timolol d. Epinephrine
31. A farmer 30 years of age known smoker presents in emergency with complaints of watering from eyes, sweating, frequency of urine and confusion. On examination his pupil was constricted, his BP was 110/70 mmHg and heart rate 60b/min. what will you do to treat his complaints
a. O₂ Inhalation b. IV infusion of normal saline
c. Atropine infusion d. Advise the patient to sit in dark room
32. The life saving drug given in status asthmaticus parenterally that will act by inhibiting phospholipase A₂. The drug is
a. Epinephrine b. Salbutamol c. Aminophylline **d. Hydrocortisone**
33. Diphenoxylate is an opioid agonist antidiarrheal. It is usually given in conjunction with atropine to
a. Enhance its activity b. Reduce its CNS side effects
c. Reduce the likelihood of abuse d. Reduce GIT secretions
34. An 18 years old college boy was taking morphine for last 1 year. He now presents in emergency department with complaints of drowsiness, disorientation, cyanosis, pupils are constricted, yellow clammy skin and shallow breathing. His BP is 90/60mmHg. Which one of the following drugs is given to overcome the effects of morphine
a. Flumazenil b. Buspirone **c. Naloxone** d. Ketamine
35. After a few weeks on a drug a patient reports profound thirst and production of copious volumes of clear (dilute) urine each day. Which one of the following drugs is most likely responsible for above signs and symptoms
a. Diazepam b. Phenytoin **c. Lithium** d. Fluoxetine
36. A patient develops antibiotics associated pseudomembranous colitis in response to drug therapy. Which one of the following is responsible for it
a. Azithromycin b. Clotrimazole **c. Clindamycin** d. Amoxicillin
37. Infant of a patient with folic acid deficiency anemia would have risk of which of the following
a. Coagulopathies b. Liver Damage **c. Neural Tube Defect** d. Kidney Damage
38. Mucositis develops in a patient undergoing cancer chemotherapy with methotrexate. Administration of which one of the following agents would help
a. Leucovorin b. Filgrastim c. Prednisone d. Vitamin B₁₂

- Administration of which one of the following agents would help
39. Which of the following drug is recommended for the treatment of severe, multidrug-resistant *Plasmodium falciparum* malaria
40. The plant derived anti-cancer agents that act in M phase of cell cycle and arrest polymerization of tubulin are
41. Administration of acid reducing drugs like omeprazole may result in reduce absorption of
42. Which side effect is associated with minoxidil
43. Extremely effective management of digitalis toxicity is
44. Hyperkalemia is associated with
45. Which one of the following is not 1st line anti-tuberculous drug
46. The adrenergic receptors present in the heart are
47. The ability of a drug to cause fetal abnormalities is known as
48. Which of the following drugs does not cause skeletal muscle contraction
49. The antihypertensive drug LOSARTAN is
50. Which of the following drugs inhibit the synthesis of Vit - k dependant clotting factors
51. Which is correct regarding the drug LEVODOPA
52. The antiepileptic drug used for absence seizure is
53. Which one of the following antihypertensive is contraindicated in diabetic patients
54. The vitamin K antagonist anticoagulant is
57. The ability to reduce insulin resistance is the main mechanism of which one of the following classes of hypoglycemic agents
58. Which one of the following drugs has antitussive but no analgesic effect
59. An example of COX-2 selective NSAID is
60. Respiratory depression occurs due to overdose of
- (a) Leucovorin b. Filgrastim c. Prednisone d. Vitamin B₁₂
- (a) Artemisinin b. Chloroquine c. Quinine d. Sodium Stibogluconate e. Primaquine
- a. Anthracyclines (b) Vinca alkaloids c. Camptothecins d. Epipodophylotoxins
- (a) Iron b. Vit B₁₂ c. Vit B₆ d. Mg
- a. Alkalosis (b) Hirsutism c. Hypertrichiosis d. Baldness
- (a) Digoxin antibodies b. Diuretics c. Timolol d. Nifedipine
- a. Hydrochlorothiazide (b) Spironolactone c. Mannitol d. Frusemide
- a. Isoniazid b. Rifampin c. Ethambutol (d) Ciprofloxacin
- a. Alpha-1 receptors (b) Beta-1 receptors c. Beta-2 receptors d. Alpha-2 receptors
- (a) Teratogenicity b. Carcinogenicity c. Cross tolerance d. Allergic reaction
- a. Acetylcholine b. Nicotine c. Strychnine (d) Vecuronium
- a. ACE inhibitors (b) Angiotensin receptor blocker c. Beta blocker d. alpha receptor blocker
- (a) Warfrin b. Clopidogrel c. Heparin d. Streptokinase
- (a) It is precursor of dopamine b. It cannot cross blood brain barrier
- c. It has no peripheral metabolism d. None of the above
- (a) Ethosuxamide b. Phenytoin c. Carbamazepine d. Phenobarbital
- a. Vasodilators b. ACE inhibitors (c) Beta blockers d. Diuretics
- a. Heparin (b) Warfrin c. Aspirin d. Tranexamic acid
- a. Meglitinides b. Sulfonylureas
- c. Glucosidase inhibitors d. Thiazolidinediones
- a. Codeine b. Hydromorphone c. Dextromethorphan d. Hydrocodeine
- a. Aspirin b. Celecoxib c. Diclofenac d. Indomethacin
- a. Dantroline b. Morphine c. Acetaminophen d. None

(b-1)

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