

Pharmacology Final exam

Hope Group (2016)

1) Which of the following is true about barbiturates?

(i) They suppress REM (rapid eye movement sleep)

(ii) They have a wide therapeutic index

(iii)

Answer: (i) they suppress REM

2) Which of the following is true?

Answer: benzodiazepines work by increasing the effectiveness of GABA receptors

3) Which of the following is not true about morphine?

(i) It produces analgesia

(ii) It produces constipation

(iii) Long term usage can result in tolerance

(iv) It results in pupil dilatation (mydriasis)

Answer: (iv) It results in pupil dilatation (mydriasis) (because it results in severe miosis)

4) Which of the following are adverse effects of tricyclic antidepressants?

(i) Dry mouth

(ii) Cardiac toxicity

(iii) Urine Retention

(iv)

(v) All of the above

Answer: (v) All of the above

5) Which of the following antibiotics is contraindicated in children?

Answer: Ciprofloxacin 6) Which of the following can be used to treat anaerobic infection in general?

(i)Chloramphenicol

(ii)Imipenem

(iii)Cefoxitin

(iv)Penicillin

(v)All of the above

Answer: Probably (v) but I am not sure

7)Which of the following antibiotics isn't suitable for a pregnant woman?

Answer:Tetracycline

8)Which of the following is true

Answer:penicillin and aminoglycoside combination is a synergistic combination

9)A basic drug has a pKa of 6.0.If the drug is placed in a solution of pH 8.0.What is the % of the unionized form of the drug?

Answer: 1%

10)Which of the following drugs can be used in amoebic infections?

Answer: Metronidazole

11)Which of the following is an example of an antifungal drug?

i) omeprazole

ii)ketoconazole

iii)....

Answer: Ketoconazole

12)Which of the following anticancer drugs is associated with hemorrhagic cystitis?

Answer: Cyclophosphamide

13)Which of the following is the drug of choice of the treatment of Pneumocystis Jiroveci?

Answer: Cotrimoxazole

14)Which of the following drugs is the best at reducing acid secretion? Answer:Famotidine(because no PPIs-omeprazole- were found in the choices)

15) Which of the following is a common adverse effect for NSAIDs?

Answer: they cause gastric ulceration

16) Which of the following drugs causes the least GI damage?

Answer: Celecoxib (all other choices were other NSAIDs)

17) Which of the following antidiarrheal drugs is used with atropine?

(i) Diphenoxylate

(ii) Loperamide

(iii) Kaolin

(iv) Pectin

Answer: Diphenoxylate

18) Which of the following drugs works by drawing water from the intestines and increases their size?

i) methylcellulose

ii) magnesium hydroxide

iii) docusate

Answer: Methylcellulose

19) Which of the following drugs must be administered to a person suffering from an acute asthmatic attack?

i) salbutamol

ii) salmeterol

iii)

Answer: Salbutamol

20) Which of the following drugs can reduce the release of histamine from mast cells?

Answer: cromolyn sodium

21) Which of the following drugs results in Reye's syndrome when administered to a child with a viral infection? Answer: Aspirin

22) What is the major cause of hypochromic microcytic anemia?

- Iron deficiency >>
- thalassemia
- gastric atrophy

23) Zero – order Kinetics:

- Cannot be described in terms of a constant half-life >>
- are applied to all drugs at therapeutic concentrations
- are concentration dependent
- all of the above.

24) the drug used to protect from influenza A virus and is used in Parkinson's disease is:

- Amantidine >>
- Acyclovir
- Nystatin

25) Which of the following is an antiplatelet drug:

- Aspirin >>
- warfarin
- heparin
- t-PA

26) which of the following is not used in aspirin toxicity:

- Acidifying the urine >>
- gastric lavage
- administering activated charcoal

27) Which of the following is used in patent ductus arteriosus:

- Indomethacin >>
- Phenylbutazone

- Aspirin - Ibuprofen

28) Which drug is used in treating myasthenia gravis:

-Neostigmine >>

29) Which of the following is contraindicated to be used in heart failure:

-Ca²⁺ Channel blockers >>

30) Which of the following drugs acts directly on the heart:

- Propranolol >>

- Enalapril

32) Which of the following blocks Angiotensin II receptors:

- Valsartan >>

-Captopril

33) Which drug causes discoloration of teeth:

- Tetracycline >>

- Chloramphenicol

34) The Loading dose is calculated by:

- multiplying the desired plasma concentration by the volume of distribution >>

- multiplying the desired plasma concentration by the clearance

- multiplying the desired plasma concentration by the half-life

35) domperidone is better than metaclopramide because it is:

- more potent

- has a higher efficacy

- free of extrapyramidal effects >>

- all of the above

37) Which of the following is false about propranolol:

- It can be used in the management of Prinzmetal's angina >>

38) Clonidine causes rebound increase in blood pressure if stopped suddenly because: - receptor upregulation.

39) Hoarseness of the voice is caused by:

- Beclomethasone >>

- Prednisolone

- Salbutamol

- Nedocromil

40) Which of the following drugs has a uricosuric effect:

- probenecid >>

- Allopurinol

- Colchicine

41) which of these drugs is used to relieve pain in gout:

- Colchicine >>

- Allopurinol

- Probenecid

42) which of the following is best used in acute coronary attacks:

- Sublingual Nitroglycerin >>

- Isosorbide Dinitrate

- Transdermal Nitroglycerin

- Isosorbide mononitrate

43) The drug that's acting directly against the ankle pain in gout patients :

<C+> colchicines

44) which of the following drugs causes hypokalemia :

i) hydroxythiazide >>

ii) captopril

iii) digoxin 45) all of the following causes tachycardia, except:

i)nifedepine

ii)verapamil>>

iii)prazosin

46)digoxin:

i)has a long plasma half life

ii)used in the cases of atrial fibrillation

iii)has a narrow therapeutic index

iv)all of the above>>

46)which of the following is true :

i)folic acid is not effective orally

ii)parenteral administration of iron is common

iii)desferal is used in cases of severe iron intoxication>>>

47) which of the following is used in the treatment of hepatic amoebiasis

i)metronidazole>>>

ii)quinine

iii).....

Note : no systemic amoebicidal were written

48)which of the following is the best histamine blocker(or sth like that)

i)cimetidine

ii)ranitidine>>

iii)famotidine

49)paracetamol toxicity:

i)is treated by N-acetyl ...(sth not cysteine)

ii)is not influenced by the age iii)is affected by being alcoholism>>>

50) theophyllin:

i) bronchodilation

ii) tachycardia

iii)...

iv) all the above>>>> (am not sure of the answer)

Pharmacology Final Exam Questions (2017)

☒ What is the DOC for acute angina pectoris?

Nitroglycerin sublingually

☒ Which of these causes tachycardia & tremor as side effects ?

Salbutamol

☒ A 10-year old children with acute streptococcal tonsillitis. The best medication is?

a. Benzathine penicillin

b. Penicillin V

c. Erythromycin

d. Tetracycline

Answer: b

ACE inhibitors are contraindicated in :

Bilateral renal stenosis

All of the following are Adverse Effects of Nitrovasodilators except:

a. Tachycardia

b. Syncope

c. Hypertention

d. Severe throbbing headache

e. Dizziness

Answer: c

Chloroquine is used for :

- a. Malaria
- b. Toxoplasmosis
- c. Leishmaniasis
- d. Giardiasis

Answer: a

What is use to treat asthma by inhalation except? a. Cromolyn.

- b. Theophylline
- c. Bechalothacstone
- d. Ipratropium

Answer: b

Loading dose is equal to

Volume of Distribution * desired steady-state plasma concentration

All are side effects of morphine except

- a. Mydriasis
- b. Constipation
- c. Euphoria
- d. Vomiting
- e. Hypotension

Answer: a

What is the therapeutic index (TI)

mean TD50/ED50

Drug contraindicated in the treatment of heart failure

Verapamil

All the following drugs are used for peptic ulcer except

- a. Clarithromycin
- b. Cimetidine
- c. Prilosec
- d. Gentamicin

Answer: d

Ototoxicity and Nephrotoxicity are adverse reactions for

- a. Aminoglycosides
- b. Penicillins
- c. Macrolides
- d. Chloramphenicol

Answer: A Which of the following is true about Warfarin

- a. A rapid onset of 1-2 hours
- b. Taken Intravenously
- c. Half life is 40 minutes
- d. Inhibits vitamin K epoxide reductase
- e. Works both In vivo & in vitro

Answer: e

A weak base with a pKa of 8. The ratio of the base in the unionized form to the ionized form in solution pH 7.0 is

a.1

b.90

c.50

d.99

e.10

Answer: e

which of the following is considered as both antiviral & anti-neoplastic drug?

Interferon

What is the antidote for heparin toxicity?

a. Protamine

b. Phytonadione

Answer: a

Which of the following can inhibit lipooxygenase ?

a. Zileuton

b. Zafirtukast

Answer: a

Which of the following is false about NSAIDS?

Are as effective as corticosteroids in their anti-inflammatory action in treating rheumatoid arthritis

Alteplase is a fibroneyltic drug

a. ADP inhibitor

- b. TXA2 inhibitor
- c. GP IIb/IIIa inhibitors
- d. Converts plasminogen into plasmin

Answer: c

Which of these is a result of sympathetic stimulation:

- a. Miosis
- b. Hypoglycemia
- c. Bradycardia
- d. None of the listed

Answer: d

Which of the following is the side effect that primarily causes treatment rejection in anti-cancer therapy?

- a. Delayed wound healing
- b. Nausea & Vomiting
- c. BM & lymphoreticular system depression
- d. sterility

Answer: b

Which drug is most likely to undergo 1st pass hepatic metabolism ?

- a. Isosorbide mononitrate
- b. Nitroglycerin

Answer: b

Which of the following drugs must be administered to a person suffering from an acute asthmatic attack?

- a. Beclomethasone
- b. Montelukast

c. Salbutamol

d. Cromolyn

Answer: c

Hoarseness of the voice is caused by

a. Beclomethasone

b. Prednisone

c. Zileuton

d. Ipratropium

Answer: a

For TB treatment ... all of the following except are used :

a. Isoniazid

b. Rifampicin

c. Ethambutol

d. Gentamicin

e. Streptomycin

Answer: d

Which of the following drugs is used both in atrial fibrillation & Heart Failure?

a. Digoxin

b. Nitroglycerin

c. Losartan

Answer: a

What is true about drug receptor interaction:

a. The antagonist binds to the receptor to induce a specific action

b. Partial antagonists & Full antagonists differ only in their potency

c. A chemical antagonist prevents the action of the antagonist by acting on

different receptors

d. The agonist binds to the receptor to induce a specific action

Answer: d

Which of the following is true about Gentamicin :

a. They are effective against gram -ve aerobes

b. They are not effective orally

c. They can be given with penicillin

d. ADRs include nephrotoxicity

e. All of the above

Answer: e Which is correct about Vinblastine?

It's from vinca alkaloids , periwinkle plants

Fe is not used in :

a. Menorrhagia

b. Late weaning

c. Sickle cell anemia

Answer: c

which of the following has an Inhibitory action :

a. Norepinephrine

b. GABA

c. Glutamate

d. Dopamine

e. Substance P

Answer: b

All of the following is true about Omeprazole except :

- a. Can be used with sucralfate
- b. Is a proton pump inhibitor
- c. Given in enteric-coated preparations
- d. Block the last step in the secretion of gastric acid

Answer: a

Benzodiazepines are?

- a. Anticonvulsants
- b. Used to treat muscle spasticity
- c. Used to treat insomnia
- d. All of the above

Answer: d

Which of the following is used to treat typhoid fever?

- a. Ciprofloxacin
 - b. Metronidazole
 - c. Chloramphenicol
 - d. Tetracycline
 - e. All of the listed
- Answer: e

Which of the following is considered an osmotic laxatives ?

- a. Methylcellulose
- b. Lactulose
- c. Docusate
- d. Bisacodyl

Answer: b

Which of the following is subject to first pass hepatic metabolism?

- a. Rectal

- b. IV
- c. Sublingual
- d. Vaginal
- e. Intranasal

Answer: a

What is true about the antimetabolite Methotrexate?

- a. Folic acid analogue
- b. Used to treat psoriasis
- c. Complicated in liver disease
- d. High doses are followed by a folinic acid rescue
- e. All of the above

Answer: e

All of the following is adverse effects cytotoxic drugs except :

- a. Anemia
- b. Hyperglycemia
- c. Hyperuricemia
- d. Cancer
- e. Hepatic damage

Answer: b

Which of the following is false about Ranitidine

- a. Blocks histamine action at H2 receptors
- b. Prevents stress ulcers
- c. More effective than Cimetidine
- d. More Adverse reactions compared to Cimetidine

Answer: d

when the drug undergoes biotransformation (metabolism) in the liver it becomes?

- a. less toxic
- b. Inactive pharmacologically
- c. More easily excreted

Answer: c

The main problem with using ACE inhibitors ?

- a. Angioedema
- b. Renal insufficiency
- c. Hyperkalemia
- d. Persistent dry cough
- e. All of the above

Answer: e