



Archive
pharmacology
Rouh/final

1) A girl came with her parents to seek for medical care. They reported that when she eats natural honey she becomes calm, tired and stop laughing. Why she becomes like that after eating honey?

- A. Blocking norepinephrine synthesis
- B. Blocking norepinephrine release
- C. Blocking utilizing dopamine
- D. Blocking acetylcholine synthesis
- E. Blocking acetylcholine release

Answer: E

2) All of the following are adverse effects of griseofulvin except:

- A. Nausea and vomiting
- B. Headache
- C. Hepatotoxicity
- D. Enzyme inhibition

Answer: D

3) Which of the following is a protease inhibitor?

- A. Acyclovir
- B. Ritonavir
- C. Interferone
- D. Oseltamivir
- E. Famciclovir

Answer: B

4) One of the following signs is contraindicated with beta blockers:

- A. Arrhythmia
- B. Tachycardia
- C. Peripheral vascular disease
- D. Postural hypotension
- E. migraine

Answer: C

5) When there is an infection of both a tapeworm and schistosomiasis, it is recommended of using single drug effective against both as an alternative which is:

- A. Praziquantel
- B. Albendazole

- C. Mebendazole
- D. Metronidazole
- E. Primaquine

Answer: A

6) The treatment for MRSA is:

- A. Vancomycin
- B. Erythromycin
- C. Imipenem
- D. Cefaclor
- E. Ampicillin

Answer: A

7) A woman suffering from migraine taking propranolol as medical treatment. What are the expected side effects?

Insomnia and nightmares

8) 1st gen cephalosporins is:

- A. resistant beta lactamase
- B. highly active against gram – rods
- C. cause ototoxicity

Answer:

9) X decrease constitutive activity of the receptor, Y increase constitutive activity of the same receptor and Z prevents both action by the same receptor:

- A. X is competitive antagonist
- B. X is non-competitive antagonist
- C. X is inverse antagonist
- D. X is partial agonist

Answer: C

10) Hyperplastic prostate causing urine retention with a patient is gonna to make surgery to excise the prostate, which drug is completely contraindicated?

- A. Antimuscarinic
- B. alpha 1 blocker
- C. alpha 2 blocker
- D. beta 1 blocker

E. beta 2 blocker

Answer: A

11) Which of the following is correct regarding pharmacokinetics of pregnant women?

- A. water increase 20 liters
- B. phenytoin concentration is unaltered
- C. albumin level decreases

Answer: A

12) The wrong about ephedrine is:

- A. alpha 1 ,2 beta 1,2
- B. cures narcolepsy
- C. treatment of nasal congestion
- D. mixed acting
- E. treatment of pheochromocytoma

Answer: E

13) Military african male infected with MRSA. A drug is administered to him causing anemia and jaundice. What is the mechanism of drug action?

- A. binds with 50 S and inhibits transpeptidation
- B. binds to 30 S prevents tRNA binding
- C. binds to 30 S and freezing the initiation complex
- D. inhibits RNA polymerase
- E. destructs cell wall

Answer:A*

14) A patient with ulcerative colitis, is planned for colonectomy, what is the recommended drug before the surgery?

- A. Neomycin
- B. trimethoprim+sulfamethoxazole
- C. clindamycin
- D. metronidazole

Answer: A

15) A boy with cough and respiratory systems, before days his friends are infected with the same infection, finally is diagnosed with rhonchi, drug of choice?

- A. cephazolin
- B. oral erythromycin
- C. Parenteral erythromycin

Answer: B*

16) A female patient taking neostigmine for myasthenia gravis, she came to clinic for her medical appointment. The doctor detects that she ends its drug bottle, which is filled again by the day. What is the side effect that appear to the patient before filling the bottle?

- A. Hypotension
- B. Nausea
- C. Constipation
- D. Xerostomia

Answer: C

17) which of the following is wrong about kernicterus?

- A. it is type of brain damage
- B. sulfonamides displace bilirubin from plasma albumin
- C. it occurs to newborn infants especially premature
- D. free bilirubin deposits in brain cortex
- E. it finally leads to encephalopathy

Answer: D

18) Doripenem is used for:

- A. Meningitis
- B. K. pneumonia

Answer: B

19) One of the following is the cause for use of placebo:

- A. For Therapeutic studies
- B. To avoid bias
- C. For pharmacokinetics studies

Answer: B

20) Which of the following is correct about placental barrier?

- A. All lipid soluble drugs cross placenta

- B. Drugs affect the embryo by the same mechanism
- C. Some drugs that cross placenta are teratogenic
- D. Placental barrier is perfect impermeable against small lipid drugs

Answer: C

21) All the following are true regarding sulphonamides except?

- A. Its structure analogue to PAPA
- B. Sensitive micro organism are those must synthesize their own folic acid
- C. bacteria that use preformed folate are not affected
- D. mammalian cells are not affected
- E. bactericidal effect that induced is counteracted by PAPA

Answer: E

22) Sulfacetamine has all of the following features except:

- A. it is used for GiT infections
- B. it is slowly excreted
- C. it is combined with other drug to form co-trimoxazole
- D. it is used for topical infections
- E. it may induce crystaluria

Answer: D

23) One of the following is true regarding pyrimethamine and sulfadiazine:

- A. its single dose so has good compliance
- B. the combination is curative
- C. half life is 2-4 hours

Answer: A

24) A patient have infection and treated with antibiotic X of 500 mg dose for one month. He planned to take a better drug with the same mechanism but with 5 times more efficacy, therefore the new dose is:

- A. 10mg
- B. 100 mg
- C. 500 mg
- D. 2500 mg
- E. 5000 mg

Answer: B

25) A patient suffering from malarial infection is taking chlouroquine without any improvement to his health suggesting a resistant species of *P. flaccioarum*, the next drug choice will be:

- A. Quinine

- B. Doxycycline
- C. Praziquantel
- D. primaquine

Answer:

26) One of the following drugs is used for chloroquine *P. falciparum* resistant micro-organisms:

- A. Mefloquine
- B. Quinine
- C. Primaquine

Answer: A

27) The least drug that does not penetrate BBB is:

- A. Timolol
- B. Atenolol
- C. Propranolol
- D. Metoprolol
- E. acebutolol

Answer: B

28) The indication for fluconazole is:

Cryptococcal meningitis and candidiasis

29) A female patient taking beta 2 agonists as it has multi-failure organs within her body. After a period of time while taking this drug, it was noticed that her glucose level in blood is absolutely high reaching 450 unit/dL. The doctor defines this problem as a result of:

- A. Hepatic gluconeogenesis
- B. Insulin resistance
- C. Insulin insufficiency
- D. Hepatic glycogenolysis
- E. Multi-failure organs

Answer: D

30) A patient taking 2 drugs at the same time. One of which inhibits the CYP450 system of metabolism of the second drug. In conclusion the relation of interaction between these two drugs is:

- A. Agonism
- B. Summation
- C. Potentiation
- D. Synergism
- E. Absorption competition

Answer:D*

31) Which drug affects the growth of cartilage?

- A. Penicillins
- B. Cephalosporins
- C. Sulfonamides
- D. Flouroquinolones
- E. azoles

Answer: D

32) The drug that is not from non-nucleoside reverse transcriptase inhibitors:

- A. Zidovudine
- B. Stavudine
- C. Nevirapine
- D. Lamivudine

Answer: C

33) The correct match from the following is:

- A. most penicillins are taken orally
- B. paramomycin reduces intestinal flora as side effect
- C. sulfasalazine is used topically on skin
- D. posaconazole is antibacterial

Answer: B

34) Which drug is the most effective and fast with mydriatics?

- A. Atropine
- B. Trupicamide
- C. cyclopentolate

Answer:

35) The best sentence describing the action of dopamine:

- A. increasing cardiac output
- B. reducing blood pressure
- C. alpha receptors are more sensitive than beta receptors
- D. work on dopaminergic receptors only with high concentrations

Answer: A

36) A bee bites a person leading to anaphylactic shock. The best intervention is to administer _____ to the patient immediately.

- A. Atropine
- B. Acetylcholine
- C. Epinephrine
- D. Dopamine
- E. Histamine

Answer: C

37) A 15 years old boy has tried to kill himself by ingesting 20 tablets of physostigmine at once. The immediate proper antidote is:

- A. Pyridostigmine
- B. Carbachol
- C. Acetylcholine
- D. Nor-epinephrine
- E. atropine

Answer: E

38) Metronidazole should not be taken along with:

- A. other antimalarial drugs
- B. Aspirin
- C. Antacids
- D. Chelating agents

Answer: C

39) The correct about scopolamine is:

- A. Irreversible antagonist
- B. Reversible competitive antagonist
- C. Physiology competitive antagonist

D. Reversible agonist

Answer: B

40) Sulfamethoxazole is all except:

- A. Close congener of sulfasoxazole
- B. Precautions to avoid crystalluria
- C. Fixed dose combination with trimethoprim
- D. Used for GIT infections

Answer: D

41) what is the correct statement about isoproterenol?

- A. Beta 1 & alpha 1
- B. Catecholamine

Answer: B

42) Patient had a gram negative bacteria and you gave him ceftriaxone. A combination of _____ with ceftriaxone can be done for better results.

- A. Ceftriaxone is enough
- B. Monobactam
- C. Carbapenem

Answer:

43) The drug of choice for ascariasis, enterobiasis and ancylostomiasis:

- A. Albendazole
- B. Mebendazole
- C. Praziquantel
- D. Metronidazole
- E. mefloquine

Answer: B

44) A drug that has activity against mucormucosis is:

- A. fluconazole
- B. albendazole
- C. ketoconazole
- D. posaconazole

Answer: D

45) Regarding clarithromycin interactions, it inhibits the action of:

- A. CYP450
- B. Beta blockers
- C. Other protein synthesis inhibitors
- D. Parasympathomimetics
- E. Hepatic conjugation system

Answer: A

46) Determine the mechanism of action of amphotericin B:

- A. Prevents the synthesis of ergosterol
- B. Prevents binding of ergosterol with cell membrane
- C. Binds with ergosterol forming pores
- D. Destroys ergosterol

Answer: C

47) A person has been poisoned in garage by insecticides. He is transported to hospital immediately, where he receives _____

- A. Atropine
- B. Tropicamide
- C. acetylcholine

Answer: A

48) Which of the following refers to adverse effects of atropine?

- A. urinary bladder spasm
- B. motion sickness
- C. contraction of pupillary muscle
- D. diarrhea
- E. postural hypotension

Answer: C

49) One of the following is not related to use of anti-muscarinic drugs:

- A. motion sickness
- B. chronic bronchitis
- C. asthma
- D. myasthenia gravis

Answer: D

50) Feotal goiter is because of:

- A. Phenytoin
- B. Lithium
- C. thalidomide
- D. aspirin
- E. androgens

Answer: B

51) All of the following are true about drug poisoning except:

Atropine given IM

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