

# Final 019

1-Regarding chemotherapy which is true ?

- A- The less closely related the undesirable cells are to the normal human cell, the more difficult the task of finding a magic bullet .
- B- The more closely related the undesirable cells are to the normal human cell, the less difficult the task of finding a magic bullet .
- C- The more closely related the undesirable cells are to the normal human cell, the more difficult the task of finding a magic bullet .
- D- Effective chemotherapeutic drugs are not effective by the common genetic human share with all living organisms .
- E- None of the above

Answer : C

2-the drug used in treatment of cognitive dysfunction in Alzheimer's patient , is :

- A- Cevimeline .
- B- Pilocarpine
- C- Donepezil .
- D- Physostigmine .
- E- Neostigmine .

Answer : C

3\_ botulinum toxin interferes with cholinergic transmission by :

- A- A\_ inhibiting choline transporter .
- B- B – inhibiting choline acetyl transferase enzyme .
- C- inhibiting vesicle associated transporter
- D- interfering with exocytosis .
- E- interaction with post synaptic receptor .

Answer : E

4- among the following which is the least resistant to B-lactamases ?

- A- Nafcillin
- B- Oxacillin
- C- Cloxacillin
- D- Dicloxacillin
- E- Penicillin .

Answer : E

5- atropine effect on parasympathetic function declines rapidly in all organs except :

- A- The heart .
- B- The eye .
- C- The urinary bladder .
- D- The CNS .
- E- The salivary gland .

Answer : B

6- the alpha blocker that has the least effect on vascular smooth muscle is :

- A- Phentolamine .
- B- Prazosin .
- C- Labetalol .
- D- Yohimbine .
- E- Tamsulosin .

Answer : C

7- choreiform movement , and mental abnormalities are side effects that may be caused by ;

- A- Hexamethonium
- B- Decamethoniim .
- C- Mecamylamine .
- D- Trimethaphan .
- E- Tetraethylammonium (TEA).

Answer :C

8- which one the following drug is not useful in treating glaucoma :

- A- Methacholine.
- B- Carbacol .
- C- Physostigmine .
- D- Edrophonium.
- E- Echothiophate.

Answer; D

9-  $\alpha$ - latrotoxine ( black widow spider venom ) act on :

- A- Ca channel to reduce NE and Ach release .
- B- Vesicles causing explosive release of NE and Ach .
- C- Vesicles associated transporter to inhibiting transmitter .
- D- Baroreceptors to enhance vagal tone causing heart arrest .
- E- VAMT causing a depletion of the transmitter .

Answer : B

10- hot flash , fluid retention ,nausea are common side effect for which of the following agent :

- A- Cisplatin .
- B- Methotrexate .
- C- Tamoxifen .
- D- Doxorubicine.
- E- Cyclophosphamide .

Answer : C

11- Among the following which is the true sentence ?

- A- The cell walls of bacteria are not essential for their normal growth .

- B- Peptidoglycan provide rigid mechanical stability for bacteria cell wall .
- C- In gram-negative bacteria the cell wall is 50 to 100 molecules thick .
- D- The cell wall is only 1 or 2 molecules thick in gram-positive bacteria .
- E- All the above .

Answer : B

12- nonselective beta blocker /alpha-1 blocker , calcium channel blocker with antioxidant property :

- A- Labetalol .
- B- Nebivolol.
- C- Carvedilol.
- D- Bisoprolol.
- E- Sotalol.

Answer : C

13- vasodilation of renal vessel may be produce by :

- A- Norepinephrine .
- B- Dobutamine .
- C- Isoproterenol.
- D- Epinephrine .
- E- Dopamine .

Answer ; E

14- which one of the following cholinesterase inhibitor is naturally occurring carbamate ?

- A- Physostigmine
- B- Edrophonium .
- C- Demecarium .
- D- Pyridostigmine.
- E- Neostigmine.

Answer : A

15-regarding antibiotic which is true ?

- A- Patient should not be instructed to continue antibiotic for the full duration indicated , if they feel better to avoid resistance .
- B- If the patient recovery is delayed from what is reasonably expectable , the diagnosis should not be reconsidered .
- C- Influenza pneumonia and viral upper respiratory infection for example , are usually controlled by antibiotic .
- D- Many patient receive lengthy course of antibiotic that that probably should not have been started .
- E- All the above .

Answer ; D

16- regarding acyclovir which is false ?

- A- Efficient agonist herpes virus .
- B- Side effect ; include nausea ,vomiting and skin rashes.
- C- Must be given in cases of varicella = chicken pox .
- D- Is considered as wide spectrum antiviral agent .
- E- None of the above .

Answer ; C

17- the most widely used cholinergic drug in treating postoperative ileus is :

- A- Acetylcholine .
- B- Carbachol .
- C- Methanochol.
- D- Physostigmine .
- E- Bethanechol.

Answer ; E

18- regarding static effect of chemotherapeutic drug which is false?

- A- Occur when the toxic effect of chemotherapeutic drug are reversible .
- B- Depends on the pharmacological properties of the drug .

- C- Occur when the toxic effector of the chemotherapeutic drug are irreversible .
- D- Depend on the immune system function .
- E- All the above .

Answer ; C

19- direct acting alpha 1 agonist with significant affinity for alpha 2A receptor . when taken in large doses it may cause hypotension , because of central cholined-like effect it is ;

- A- Guanfacine .
- B- Midodrine.
- C- Phenylephrine .
- D- Methoxamine.
- E- Oxymetazoline.

Answer ; E

20-The effectiveness of nonselective antimuscarinic drugs in treating bronchial asthma is limited because:

- a. Local hormones and other transmitters also modulate lung functions .
- b. Cholinergically – mediated bronchoconstriction is not significantly high.
- C .Secretion of mucus by way of M1 receptors is more important in asthma
- d. only high doses can effectively block bronchial
- e .Block of autinhibitory M2 oppose the bronchodilation caused by block of m3 receptors on airway.

ANSWER :E

21\_ the synergism that occurs between aminoglycoside and B-lactam antibiotic drug is partially due to which of the following

- a. B-lactam antibiotics will reverse the negative effects of both low pH and low oxygen tension on the ability of aminoglycosides to penetrate bacteria .
- b. B-lactam antibiotics will decrease pH and induce aminoglycosides to penetrate bacteria .
- c. B- lactam antibiotics will decrease oxygen and induce aminoglycosides to penetrate bacteria
- d. B-lactam antibiotics will decrease pH and inhibit aminoglycosides to penetrate bacteria .
- e. All the above

ANSWER :A

22\_ in the treatment of breast cancer , which of the following agents is added of those with HER-2 positive breast cancer

- a. Methotrexate
- b. Tamoxifen
- c. Trastuzumab
- d. Cisplatin
- e. 5-fluorouracil

ANSWER : C

23 – which one of the following statements regarding clonidine is not correct

- a. Stimulates  $\alpha_2A$  adrenoceptors in the vasomotor center in brainstem causing a decrease in BP and cardiac output .
- b. Overdose blocks peripheral  $\alpha_1$  adrenoceptors and cause hypotension
- c. The site for its sedative action is in the locus ceruleus of the brain stem
- d. The site for its analgesic action is in the spinal cord
- e. Has antishivering and diuretic actions

ANSWER :B

24- regarding sulfonamides which is true

- a. They are considered as structural agonists of para aminobenzoic (PABA )
- b. They are considered as structural analogs and competitive antagonists of Folic acid
- c. They are considered as structural analogs and competitive antagonists of para -aminobenzoic acid (PABA)
- d. They are considered as structural antagonists of penicillin
- e. None of the above

ANSWER : C

25- which of the following statements is incorrect

- a. Taxol adverse effects includes Peripheral neuropathy
- b. Tamoxifen is an example on prophylactic breast cancer therapy
- c. Neo-adjuvant therapy is an attempt to reduce the cancer size before surgery
- d. Tamoxifen has both estrogenic and antiestrogenic effects on various tissues
- e. Palliative therapy is aimed totally eliminate cancer disease

ANSWER : E

26-Defining therapeutic success of pneumonia involves all the following except

- a. Reversal of tachypnea and hypoxia
- b. Resolution of fever
- c. Frequency of dosing
- d. Purulent sputum production
- e. Normalization of the white blood cell count

ANSWER ;

27-All the following statements are true regarding pindolol, EXCEPT;

- a. It is effective in hypertension and angina
- b. It is less likely to cause bradycardia than other beta blockers
- c. It is a B<sub>1</sub>-selective antagonist with a partial B<sub>2</sub>-agonist activity
- d. It is also a 5-HT<sub>1A</sub> antagonist
- e. It may accelerate the antidepressant effect of selective serotonin reuptake inhibitors



ANSWER : C

28-an increase in LDL and decrease in HDL are side effects most likely to occur

Administration of;

- a. Propranolol
- b. Prazosin
- c. Phenoxybenamine
- d. Celiprolol
- e. Nebivolol

ANSWER : A

29-regarding Beta lactam Antibiotice which is false

- a. All contain a beta lactam ring
- b. Work to inhibit ceel waal synthesis
- c. The beta lactam ring is the active functional group where antibiotic activity resides
- d. Work to inhibit protein biosynthesis
- e. All the above

ANSWER :D

30-mercaptoethanesulfonate (mesna)is used to reduce the side effect incidence of which of the following agents

- a. Doxorubicin
- b. Taxol
- c. Tamoxifen
- d. Cyclophosphamide
- e. Doxorubicine

ANSWER :

31- Not yet answered Regarding Chloramphenicol which is false ? Marked out of 1.00 O

a . Chloramphenicol is rapidly and completely absorbed from the gastrointestinal tract  
P Flag question

- b . 60 % of the drug is bound to serum albumin O
- C . The potentially fatal nature of chloramphenicol induced bone marrow suppression restricts its use
- d . Chloramphenicol is recognized as first choice treatment of choice for any bacterial infection O
- e . All the above Clear my choice Next page

Answer : D

32- Regarding the clinical uses of nitrofurantoin which is false?

- a. The singular indication for nitrofurantoin is the treatment and long-term prophylaxis of lower UTIS caused by susceptible bacteria
- b. it is used as a bacterial suppressant.
- c. It is often used prophylactically post intercourse in women with chronic UTIS
- d. The bacteriostatic or bactericidal activity of nitrofurantoin is concentration dependent
- e. None of the above

Answer :B

33- Stimulation of M2 receptors in the heart may cause all the following EXCEPT:

- a. Opening of K<sup>+</sup> channel Causing hyperpolarization.
- b. Voltage-dependent opening of pacemaker Na<sup>+</sup> channels is shifted to more negative Potentials
- C. The phosphorylation of L-type Ca<sup>2+</sup> channels is reduced.
- d. M2R stimulates Gi protein producing an excitatory postsynaptic potential (EPSP).
- e. Decrease CAMP formation causing a decrease in heart rate

Answer ; D

34- Doxorubicin and Trastuzumab should not be co-administered in the treatment of HER2+ breast cancer because:

- a. Both drugs have the same mechanism of action
- b. Both drugs compete on the same receptor
- c. Trastuzumab antagonised doxorubicin
- d. Both drugs cause cardiotoxicity
- e. Both drugs cause bone marrow depression Clear my choice

answer : D

35- Sulphonamides are almost obsolete nowadays because of all the following except:

- a. Their Bacteriostatic properties
- b. They are associated with Blood dyscrasia
- c. Bacterial resistance
- d. Their Toxicity
- e. Their bactericidal effects Clear my choice

Answer : E

36- All the following B-lactamase inhibitor combinations are parenteral formulations except:

- a. ampicillin-sulbactam
- b. ticarcillin-clavulanic acid
- c. piperacillin-tazobactam
- d. piperacillin-tazobactam
- e. All the above Clear my choice

answer :b

37- Regarding Erythromycins which is true?

- a. It has Same spectrum of penicillin, so substitutes in penicillin allergic patients.
- b. It has very limited distribution in the body
- c. It Cannot be given orally
- d. Very toxic cannot be given to children
- e. All the above Clear my choice

Answer : A

38- Regarding the quinolone antibiotics which of the following is true?

- a. The quinolone antibiotics target bacterial RNA gyrase and Topoisomeras
- b. The quinolone antibiotics target bacterial DNA gyrase and Topoisomeras which is responsible for the continuous introduction of positive supercoils into RNA
- c. The quinolone antibiotics target bacterial viral gyrase
- d. The quinolone antibiotics target bacterial DNA gyrase and Topoisomeras which is responsible for the continuous introduction of negative supercoils into DNA
- e. None of the above Clear my choice

Answer : D

39- More than 5 years usage of which of the following anti cancer was linked to increase the risk of endometrial cancer?

- a. Trastuzumab
- b. Doxorubicin
- c. Tamoxifen
- d. Methotrexate
- e. Cyclophosphamide

answer : C

40 -Which one of the following organs has only parasympathetic innervations?

- a. The Iris.
- b. The Ciliary muscle.
- c. The SA node.
- d. Urinary bladder wall.
- e. Sphincters of the gastrointestinal tract.

Answer : B