

# pharmacology

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## Archive

### Lecture 28

Drug modifying  
noradrenergic transmission  
part 2

Designed By :

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1. Aminoglycosides (AG). One of the following is WRONG?

- A. Loop diuretics decrease nephrotoxicity of AG
- B. Should be avoided during pregnancy
- C. Penicillins antibiotics potentiate their antibacterial activity
- D. Potentiate the effect of neuromuscular blockers
- E. Adverse effects are not dose-related

2. All the following about aminoglycosides are TRUE EXCEPT?

- A. Effective against aerobic bacteria only
- B. Useful in serious Gram-negative bacilli infections
- C. Used in serious Gram-positive infections like bacterial endocarditis
- D. Eliminated with significant metabolism by liver
- E. Accumulation occurs in renal cortex, endolymph, and perilymph of the inner ear

3. All the following about pre-clinical studies are TRUE EXCEPT?

- A. Subacute toxicity tests are done on two animal species for 6 months
- B. Include pharmacokinetics studies
- C. Include pharmacodynamics studies
- D. Acute toxicity studies in animals
- E. Mutagenicity studies

4. One of the following  $\beta$ -blockers drugs is associated with intrinsic sympathomimetic activity?

- A. Nadolol
- B. Oxprenolol
- C. Atenolol
- D. Sotalol
- E. Bisoprolol

5. Regarding prescription, all the following are causes of poor compliance EXCEPT?

- A. Lack of teaching the patient by his doctor
- B. Good comprehension by the patient for instructions
- C. Patient forgets the drug
- D. The drug had been lost
- E. Patient did not continue the drug

6. Regarding second generation of cephalosporins, all the following are correct EXCEPT?

- A. Very active against Pseudomonas
- B. Active against Gram-positive and Gram-negative
- C. Includes cefaclor and cefoxitin
- D. It can be given orally
- E. It can be given parenterally

7. The following match EXCEPT?

- A. Botulinum toxin: Inhibition of acetylcholine release from somatic nerve endings at NMJ
- B. Reserpine: Depletion of noradrenaline in storage granules at noradrenergic nerve endings
- C. Metyrosine: Inhibition of tyrosine hydroxylase in noradrenergic nerve endings
- D. True cholinesterase: Present in plasma
- E. Stimulation of alpha-2 receptor on ciliary body: Lowering of intraocular pressure

8. All the following are therapeutic uses of  $\beta$ -blockers EXCEPT?

- A. Arrhythmias
- B. Acute myocardial infarction
- C. Hypotension
- D. Chronic anxiety
- E. Hyperthyroidism to reduce sympathetic overactivity

9. All the following about tetracyclines are TRUE EXCEPT?

- A. Effective against Gram-positive and Gram-negative bacteria
- B. Safe for patients with renal diseases
- C. Causes yellow discoloration and hypoplasia of teeth in children
- D. Should be avoided in pregnancy
- E. Used in treatment of Mycoplasma pneumonia, Chlamydia infections, and acne

10. Following receptors are membrane proteins, EXCEPT?

- A. Receptors for fast neurotransmitters, coupled directly to an ion channel
- B. Receptors for many hormones and slow transmitters, coupled to effector system
- C. Receptor for insulin and various growth factors, which are directly linked to tyrosine kinase
- D. Receptors for steroids
- E. All the selections

11. Which of the following reactivate cholinesterase enzyme in poisoning with parathion?

- A. Bethanechol
- B. Atropine
- C. Edrophonium
- D. Pralidoxime
- E. Oxygen

12. All the following are adverse effects of alpha blockers are TRUE EXCEPT?

- A. Sedation
- B. Postural hypotension
- C. Tachycardia
- D. Failure of ejaculation
- E. Nasal decongestion

13. Regarding drug poisoning, delirium is one of the symptoms of the following drug?

- A. Paracetamol
- B. Atropine-like drugs
- C. Cyanide
- D. Aspirin
- E. Organophosphorus insecticides

14. Which of the following drugs is NOT commonly involved in causing ADRs?

- A. Diuretics
- B. Antihypertensives
- C. Antidiabetics
- D. Anticancer drugs
- E. Analgesics

15. Regarding mechanism of action of  $\beta$ -lactam antibiotics, all the following are TRUE EXCEPT?

- A. They are bactericidal
- B. They bind to specific enzymes (PBPs)
- C. They inhibit transpeptidation
- D. They inhibit ribosomal RNA
- E. They activate autolytic enzymes

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Answer

E

D

A

B

B

A

E

C

B

D

D

E

B

C

D

