

# Pharmacology

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**Archive**

**Lecture 16+18**

**Corrected by:**

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1.) All following about tetracyclines are TRUE EXCEPT?

- A. Effective against Gram positive and Gram negative and anaerobic bacteria
- B. Should be avoided in renal disease except doxycycline and minocycline
- C. Causes yellow discolouration and hypoplasia of teeth in children.
- D. Should be avoided in pregnancy Useful in treatment of Brucellosis, Chronic bronchitis and acne.

Answer: "A"

2.) All the following about antimicrobials in children are true EXCEPT:

- A. Chloramphenicol causes gray baby syndrome in neonates
- B. Sulpha compounds causes kernicterus in neonates
- C. Doxycycline causes yellow discolouration of teeth in children
- D. Quinolones retard growth in children
- E. Metronidazole causes antibiotic-associated colitis in children.

Answer: "E"

3.) Tetracycline is indicated in all the following conditions EXCEPT:

- A. Brucellosis
- B. Nonspecific urethritis
- C. Syndrome of inappropriate ADH secretion
- D. Acne rosacea.
- E. Gas gangrene.

Answer: "E"

4.) All the following statements about the aminoglycosides are true EXCEPT:

- A. Are useful in bacterial eye infections.
- B. Are useful orally for bowel sterilization.
- C. Are useful against serious anaerobic bacterial infections.
- D. May produce neurotoxicity.
- E. Smaller doses are used in renal impairment.

Answer: "C"

5.) All the following statements about erythromycins are true EXCEPT:

- A. Erythromycin is indicated in Legionnaire's disease.
- B. Azithromycin is indicated in gonorrhoea
- C. Erythromycins can produce hepatitis.
- D. Clarithromycin is indicated in Chlamydia pneumonia
- E. Clarithromycin should be avoided in patients with peptic ulceration.

Answer: "E"

6.) All the following statements about clindamycin are true EXCEPT:

- A. Inhibits bacterial protein synthesis.
- B. Is useful in teeth infections.
- C. Is useful in mixed anaerobic infections of the abdomen.
- D. Produces cross allergy with penicillins & cephalosporins.
- E. Frequently produces antibiotic-associated colitis.

Answer: "D"

7.) The main reason for limited use of chloramphenicol is the high incidence of:

- A. Nephrotoxicity.
- B. Hepatic toxicity.
- C. Aplastic anemia.
- D. Ototoxicity.

Answer: "C"

8.) Which of the following is used safely in pregnancy:

- A. Erythromycin.
- B. Doxycycline.
- C. Moxifloxacin.
- D. Gentamicin.

Answer: "A"

9.) One of the following not good combination:

- A. Sulpha & Penicillin.
- B. Tetracycline & Penicillin.

Answer: "B"

10.) One of the following is concentration killing antibiotic:

- A. Gentamicin.

Answer: "A"

11.) Bacterial that developed resistance to a drug derived from macrolides after 10 days. The question was which drugs should we avoid?

- A. Clindamycin.

Answer: "A"

12.) Aminoglycosides side effects:

- A. Teratogenic.
- B. Ototoxicity.
- C. Anaphylaxis.
- D. Bone marrow Depression.

Answer: "B"

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. destroys 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 symptoms, 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: "C"

16- 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
- e Adverse effects are not dose related

Answer: "A"



17-All 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 inner ear

ANSWER:D

18-All following about tetracyclines are TRUE EXCEPT -

: Select one

- a. Effective against Gram positive and Gram negative bacteria
- b. save patients with renal diseases
- c. causes yellow discolouration and hypoplasia of teeth in Children
- d. Should be avoided in pregnancy
- e. used in treatment of Mycoplasma pneumonia, Chlamydia infections and acne

ANSWER:B

19-Tigecycline, all following are TRUE EXCEPT?

: Select one

- a. structure similar to tetracyclines
- b. Effective against vancomycin resistant enterococci
- c. Effective against Acinetobacter baumani
- d. Can be given orally or iv infusion every 12 hrs
- e. NO Dose adjustment is required patients With renal impairment

ANSWER:D

# Pharmacology

## Lecture 16+18

20-Regarding adverse effects of pediatric drugs, staining and dental hypoplasia is ?due to the following drug

: Select one

- a. Metoclopramide
- b. Sodium valproate
- c. Tetracyclin
- d. Corticosteroids
- e. Flouroquinolones

ANSWER:C

21-Macrolides One of the following is WRONG ?

: Select one

- a. Erythromycin is used in patients allergic to penicillins
- b. Azithromycin is more effective against gram +ev
- c. Azithromycin is given Orally or intravenous infusion
- d. Clarithromycin is useful in peptic ulcer therapy to eradicate Helicobacter pylori

ANSWER:b

22-Aminoglycosides, one of the following is FALSE?

(شبه سؤال 16 مكرر)

Select one

- a. Loop diuretics decrease ototoxicity and nephrotoxicity of Aminoglycosides
- b. Contraindicated during pregnancy
- c. Beta Lactam antibiotics potentiate their antibacterial activity
- d. Potentiate the effect of neuromuscular blockers
- e Adverse effects are dose related

ANSWER:a

23-One of the following is WRONG about macrolides?

- a. Erythromycin is effective against gram positive organisms
- b. Clarithromycin is effective against gram positive bacteria and haemophilus influenzae
- c. Azithromycin is effective against Gram negative bacteria and chlamydia
- d. Azithromycin has Long half life (40 hrs)
- e Erythromycin is useful in peptic ulcer therapy to eradicate Helicobacter pylori

ANSWER:e

24-Tigecycline, all following are TRUE EXCEPT?

- a. Effective against methicillin resistant staphylococci
- b. Effective against vancomycin resistant enterococci
- c. Effective against Acinetobacter baumani
- d. Given iv infusion every 12 hrs
- e Dose adjustment is required patients with renal impairment

ANSWER:e

25-All following combinations about therapeutic uses of antibiotics are TRUE EXCEPT?

- a Clindamycin sexually transmitted infections
- b. Chloramphenicol bacterial conjunctivitis
- c. Tigecycline intra abdominal infections
- d. Azithromycin respiratory tract infections
- e.Gentamicin septicemia

ANSWER:a