

Pharmacology

Archive

Lecture 19

Antifungal Drugs

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1) All following regarding Ketoconazole are true EXCEPT:

- A. It blocks demethylation of lanosterol to ergosterol
- B. Decreases testosterone and cortisol production
- C. Is administered only orally
- D. Is contraindicated during pregnancy
- E. Ketoconazole has fewer side effects than itraconazole

ANSWER:E

2) All the following regarding amphotericin B are true EXCEPT

- A. Is drug of choice for systemic mycoses
- B. Is administered by IV infusion
- C. Is soluble in water
- D. Can be given intrathecally
- E. Is associated with thrombophlebitis

ANSWER:C

3) All following antifungal drugs are used for cutaneous mycoses EXCEPT

- A. Terbinafine
- B. Nystatin
- C. Miconazole
- D. Clotrimazole
- E. Fluocytosine

ANSWER:E

4) All the following are side effects of griseofulvin EXCEPT?

select one

- a. Headache
- b. Nausea
- c. Mental Confusion
- d. Hepatotoxicity
- e. Urticaria

ANSWER:b

5) Regarding the mechanism of action of caspofungin, the following is true?

select one

- a. Interference with microtubular function
- b. Inhibition of glucose polymer synthesis
- c. inhibition of ergosterol
- d. formation of artificial pores
- e. inhibition of nucleic acid synthesis

ANSWER:b

6) Regarding mechanism of action of FLUCYTOSINE, the following sentence is correct? select one

- .a. it inhibits nucleic acid synthesis
- .b. it inhibits ergosterol
- .c. it interferes With microtubular function
- .d. it produces artificial pores in cell membrane
- .e. inhibits glucose polymer

ANSWER:A

7) Concerning POSACONAZOLE, as an antifungal drug all the following are correct
?EXCEPT

- a It is the drug of choice in treatment of meningitis
- b. it is the only azole which has activity against mucormycosis
- c. It is used in prophylaxis of fungal infection in case of cancer chemotherapy
- d. it increases level of cyclosporine and tacrolimus
- e it is the broadest spectrum azole

ANSWER:A

8) Regarding antifungal agents, the following is the mechanism of action of
?TERBINAFINE

- a. Formation of artificial pores in cell membrane
- b. Inhibition of nucleic acid synthesis
- .c. Disruption of microtubules
- d. Inhibition of squalene epoxidase enzyme
- e. Inhibition of lanosterol

ANSWER:d

9) Regarding mechanism of action of AMPHOTERICIN B. the following are included
?EXCEPT

- a. It binds with ergosterol in cell membrane
- b Then it produces artificial pores
- c Leakage of important cell components
- .d Cell death
- e Also it interferes with mitosis

ANSWER:e

10) Which of the following is a polyene antifungal agent used for many life-threatening fungal infections

- a. Amphotericin B
- b. Griseofulvin
- c. Caspofungin
- d. Miconazole
- e. Nystatin

Answer: A

