

Dental Pharmacology Quiz #5
March 29, 2004

Name Corrected
(Please Print)

1. Which of the following drugs inhibits ergosterol synthesis in sensitive fungi?
- ☒ A. Itraconazole
 - ☐ B. Nystatin
 - ☐ C. Flucytosine
 - ☐ D. Griseofulvin
 - ☐ E. Amphotericin B
- A
2. Which of the following drugs is most useful in the treatment of chronic hepatitis C?
- ☐ A. Acyclovir
 - ☒ B. Interferon
 - ☐ C. Amantadine
 - ☐ D. Nelfinavir
 - ☐ E. Zidovudine
- B
3. Which of the following would LEAST characterize alcohols?
- ☐ A. Are bactericidal ✓
 - ☐ B. Are widely-used anti-infectives ✓
 - ☐ C. Are highly volatile ✓
 - ☐ D. Denature protein ✓
 - ☒ E. Are effective against viruses
- E
4. All of the following are indications for antibiotic use EXCEPT?
- A. Cephalosporins are useful in treating Mycoplasma infections ✓
 - B. Chloramphenicol is indicated for Salmonella infections ✓
 - C. Clindamycin is a useful drug in treating certain bone infections ✓
 - D. Ciprofloxacin is useful in treating Traveler's diarrhea ✓
 - E. Chlortetracycline is useful in treating acne ✓
- ~~X~~ A
5. All of the following statements about penicillins are true EXCEPT?
- A. Benzathine penicillin G is a repository or storage form of penicillin ✓
 - ☒ B. Autolytic enzymes may be involved in the antibiotic effect of penicillins ✓
 - C. Penicillin G is most active against gram negative bacteria ✓
 - D. Penicillins are excreted unchanged in the urine ✓
 - E. Allergic reaction is the main adverse effect of penicillins ✓
- ~~X~~ C

Dental Pharmacology Quiz #5
March 27, 2006

Name _____
(Please Print)
Mailbox # _____

Select the single, most appropriate answer. (All questions of equal value)

1. Which of the following best describes the mechanism of action of itraconazole?
 - A. Binds to ergosterol in fungal cell membranes
 - ☒ B. Inhibits ergosterol synthesis
 - C. Inhibits spindle formation in fungal cells
 - D. Inhibits squalene epoxidase
 - E. Inhibits thymidylate synthetase

B
2. A patient has been taking ganciclovir for the past month for a cytomegaloviral infection. Which of the following toxicities is most likely caused by the drug?
 - A. Hypertensive crises
 - B. Blurred vision, constipation and tachycardia
 - C. Hepatotoxicity
 - ☒ D. Renal toxicity and anemia
 - E. Respiratory depression

D
3. Which one of the following best describes the mechanism of thyroid hormones?
 - A. Opens sodium channels
 - ☒ B. Binds to a G-protein-linked receptor to increase cAMP
 - C. Binds to an intracellular receptor to enhance gene expression
 - D. Binds to a tyrosine kinase-linked receptor
 - E. Binds to a G-protein-linked receptor to reduce cAMP

XC
4. Which one of the following antibiotic combinations is indicated for treatment of pneumocystis carinii pneumonia?
 - A. Rifampin + isoniazid
 - B. Rifampin + erythromycin
 - C. Penicillin + aminoglycoside
 - D. Penicillin + tetracycline
 - ☒ E. Trimethoprim + sulfamethoxazole

E
5. Which one of the following antibiotics is associated with an interaction with theophylline, that may give rise to seizures?
 - A. Amoxicillin
 - ☒ B. Ciprofloxacin
 - C. Vancomycin
 - D. Clindamycin
 - E. Tetracycline

B