



Quiz

1. Which class of antibiotics is known for its broad-spectrum activity, including efficacy against gram-positive and gram-negative organisms, anaerobes, and *P. aeruginosa*?
 - a. Penicillins
 - b. Carbapenems
 - c. Cephalosporins
 - d. Monobactams
2. What is a unique characteristic of monobactams among the listed antibiotics?
 - a. Broad-spectrum activity
 - b. Lack of activity against gram-positive bacteria
 - c. Susceptibility to ESBLs
 - d. High toxicity
3. What is the primary use of Ceftolozane + tazobactam?
 - a. Skin infections
 - b. Urinary tract infections
 - c. Pneumonia
 - d. Meningitis
4. Which antibiotic is effective against MRSA and MRSE?
 - a. Ampicillin
 - b. Ceftriaxone
 - c. Vancomycin
 - d. Ciprofloxacin





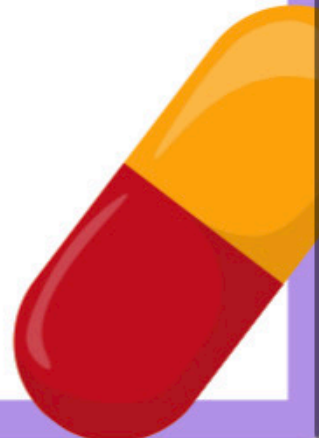
Quiz

5. What is the best predictor of vancomycin's antistaph activity?
 - a. Renal elimination
 - b. Time-dependent activity
 - c. Concentration-dependent activity
 - d. Infusion-related reactions

6. Which antibiotic causes rapid depolarization of the cell membrane and inhibits intracellular synthesis of DNA, RNA, and protein?
 - a. Daptomycin
 - b. Vancomycin
 - c. Ceftriaxone
 - d. Meropenem

7. What adverse effect is associated with vancomycin infusion?
 - a. Red man syndrome
 - b. Ototoxicity
 - c. Nephrotoxicity
 - d. Myalgias

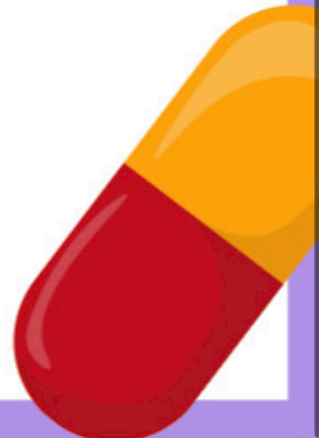
8. Daptomycin is effective against:
 - a. Gram-positive bacteria, including MRSA
 - b. Gram-negative bacteria
 - c. Anaerobes
 - d. Fungi





Quiz

9. Fosfomycin is a derivative of:
- Penicillin
 - Cephalosporin
 - Phosphoric acid
 - Tetracycline
10. What is the mechanism of action of polymyxin B (Colistin)?
- Inhibits cell wall synthesis
 - Inhibits protein synthesis
 - Binds to bacterial cell membrane
 - Disrupts DNA replication
11. Which antibiotic is a first-line therapy for acute cystitis?
- Vancomycin
 - Ciprofloxacin
 - Fosfomycin
 - Daptomycin
12. What is the primary limitation of using colistin?
- Nephrotoxicity
 - Ototoxicity
 - Red man syndrome
 - Infusion-related reactions





Quiz

13. Which lipoglycopeptide is considered an alternative to vancomycin for the treatment of ABSSSIs and nosocomial pneumonia caused by MRSA?
- Telavancin
 - Daptomycin
 - Fosfomycin
 - Meropenem
14. What is the primary pharmacodynamic characteristic of daptomycin?
- Time-dependent
 - Concentration-dependent
 - Both time- and concentration-dependent
 - Non-dependent
15. In Jordan, what antibiotic is sparingly used for multi-drug resistant infections?
- Ciprofloxacin
 - Vancomycin
 - Colistin
 - Ampicillin





Quiz

Answers :

1. b. Carbapenems
2. b. Lack of activity against gram-positive bacteria
3. b. Urinary tract infections
4. c. Vancomycin
5. c. Concentration-dependent activity
6. a. Daptomycin
7. a. Red man syndrome
8. a. Gram-positive bacteria, including MRSA
9. c. Phosphoric acid
10. c. Binds to bacterial cell membrane
11. c. Fosfomycin
12. a. Nephrotoxicity
13. a. Telavancin
14. b. Concentration-dependent
15. c. Colistin

