

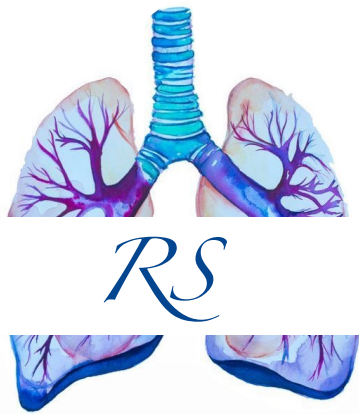


Scientific team

Multiple Choice QUIZ

Dr.sofian

Pharmacology QUIZ 2



الصَّبْرُ وَالْإِصْرَارُ وَالْعَمَلُ

أُمُورٌ إِذَا اجْتَمَعَتْ ضَمِنَتْ

لَكَ النَّجَاحُ



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1. Which of the following drug-mechanism of action match is true?

- A. Rifampin - blocks DNA transcription.
- B. Pyrazinamide - folic acid inhibition.
- C. Ethionamide - inhibits mycolic acid synthesis.
- D. para-aminosalicylic acid - inhibits arabinosyl transferase.
- E. Isoniazid - ATP synthase inhibitor.



2. Khaled is a 39-year-old man with chronic allergic rhinitis and nasal congestion reports to the clinic complaining of constipation and nausea that developed after taking a nasal spray from his friend and start using it for couple of weeks. His BP=140/95 mm Hg, heart rate = 130/min, temperature 37.8 C. Which of the following is the most likely that Khaled has been taking?

- A. Diphenhydramine
- B. Cromolyn
- C. Phenylephrine
- D. Cetirizine
- E. Zileuton



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3. A high school student presents with headache, fever, and cough of 2 day's duration. Sputum is scant and no purulent and a Gram stain reveals many white cells but no organisms. He is known to have penicillin allergy. You suspect that this patient has atypical pneumonia and decided to start his treatment according to this, which of the following agents you should initiate the treatment with?

- A. Amoxicillin
- B. Clarithromycin
- C. Clindamycin
- D. Gentamicin
- E. Nafcillin



4. Which of the following statements about bacterial antibiotics is true?

- A. Penicillin G is not effective against gram-positive cocci
- B. Most of the penicillins have long half-lives requiring one dose/day
- C. Erythromycin not recommended for legionella and mycobacteria
- D. Nafcillin can be used safely in patients with renal impairment
- E. Ceftriaxone and cefepime are second generation cephalosporins



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5. Which of the following combinations of drug and their mechanisms of action is a correct match?

- A. Oral fluticasone – induces mucus secretion.
- B. Subcutaneous Montelukast – inhibits 5-lipoxygenase.
- C. Intravenous cromolyn – inhibits histamine release.
- D. Inhaled formoterol – inhibits protein kinase A (PKA)
- E. Intravenous astegolimab – inhibits IL-33 receptor.



6. A 32-year-old man has been on standard four-drug therapy for active pulmonary tuberculosis for the past 2 months. He has no other comorbid conditions. At his regular clinic visit, he complains of a “pins and needles” sensation in his feet. Which drug is most likely causing this?

- A. Rifampin
- B. Pyrazinamide
- C. Ethambutol
- D. Isoniazid



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7. Which of the following statements regarding pneumonia is true?

- A. Viral pneumonia's first choice of antibiotics is vancomycin.
- B. Antibiotics treatment should be at least 21 days.
- C. Corticosteroids are not effective in severe pneumonia.
- D. Hospitalized patients can be treated with gentamicin only.
- E. Fluoroquinolones can be used as monotherapy in some cases.



8. Which of the following drug-side effect combination is correctly matched?

- A. Salmeterol - hypoglycemia
- B. Mometasone - hoarseness.
- C. Roflumilast - hearing loss
- D. Erythromycin - weight gain.
- E. Ipratropium - diarrhea



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9. A 32-year-old male with known asthma condition was walking through a flowers park, suddenly he started coughing and having trouble breathing. He reached for his albuterol inhaler but could not find it, his friend searched his bag and found some inhalers. Which of the following inhalers can be useful to relief this patient's symptoms?

- A. Ipratropium
- B. Cromolyn
- C. Mepolizumab
- D. Zafirlukast
- E. Montelukast



ANSWERS :

- 1 - C
- 2 - C
- 3 - B
- 4 - D
- 5 - E
- 6 - D
- 7 - E
- 8 - B
- 9 - A

Well done!