



Scientific team

## Pharmacology quizz-RS Quizz 2

1. Which of the following statements regarding pneumonia management is true?
  - A. Atypical pneumonia first-choice of antibiotics is penicillin
  - B. Antibiotics treatment should be at least 14 days.
  - C. Corticosteroids are contradicted in pneumonia
  - D. Patients with chronic diseases can be treated with one antibiotic
  - E. Fluoroquinolones can be used as monotherapy in some cases.
2. Which of the following statement regarding cough treatment is true?
  - A. It is useful to suppress coughing especially if its productive.
  - B. Cough management should always include an expectorant.
  - C. Guaifenesin is known for its high additive profile.
  - D. Dextromethorphan has very weak effect on cough suppression.
  - E. Benzonatate suppress through peripheral actions.
3. Which of the following statements about bacterial antibiotics is true?
  - A. Penicillin G is not effective against gram-positive cocci
  - B. Erythromycin not recommended for legionella and mycobacteria
  - C. Most of the penicillins have long half-lives requiring one dose/day
  - D. Ceftriaxone and cefepime are second generation cephalosporins
  - E. Nafcillin can be used safely in patients with renal impairment
4. A 7-year-old girl is admitted to the hospital with high fever and nuchal rigidity, later diagnosed with meningococcal meningitis. Which of the following drugs would most likely be given prophylactically to her 10-year-old sister?
  - A. Amikacin
  - B. Piperacillin
  - C. Isoniazid
  - D. Nafcillin
  - E. Rifampin
5. Which of the followings best describes the most commonly used asthma control medication, that is when used as monotherapy, produces a variety of therapeutic effects including a reduction in the levels of inflammatory cytokines, reduced arachidonic acid levels, and a decrease the permeability of the capillaries?
  - A. Inhaled anticholinergic
  - B. Inhaled leukotriene inhibitor
  - C. Inhaled beta-2 agonist
  - D. Inhaled corticosteroid
  - E. Inhaled Methylxanthine



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6. Which of the following statements regarding tuberculosis treatment is true?

- A. Both bedaquiline and streptomycin can cause peripheral neuropathy
- B. Clofazimine and fluoroquinolones are not part of MDR-TB regimen.
- C. It is preferable to treat active tuberculosis infection with 2 drugs for 6 months
- D. Latent tuberculosis infection should be treated for 3 weeks with 2 drugs
- E. Macrolides are not recommended for multidrug-resistant TB (MDR-TB)

7. Ahmed, a 10-year-old boy who is brought into ER by his parents. Their chief complaint is that he has been constantly coughing and having trouble breathing for the past 3 days. Ahmed recently recovered from an upper respiratory infection, and has had multiple bouts of bronchitis in the past year. His physical exam reveals moderate to severe respiratory distress with bilateral expiratory wheezing. His respiratory rate is 20/min, BP= 120/83 mm Hg, heart rate = 100/min, temperature 37.8 C. His pO<sub>2</sub> is 95%. What drug should be given to John to rapidly relieve his symptoms?

- A. Theophylline
- B. Cromolyn
- C. Tiotropium
- D. Albuterol
- E. Salmeterol

8. A 34-year-old man with allergic rhinitis presents to his primary care physician for treatment. He is prescribed diphenhydramine and develops dry eyes and mouth within 2 days. His symptoms of rhinitis are approximately 75% better. He calls his physician asking what he should do. The most appropriate management for this patient is which of the following?

- A. Continue medication at current dose
- B. Discontinue diphenhydramine
- C. Add chlorpheniramine to current diphenhydramine
- D. Surgical consultation for rhinoplasty
- E. Surgical consultation for septoplasty

9. Which of the following statements regarding  $\beta_2$ -adrenergic agonists is true?

- A. Arformoterol has a rapid onset of action and 4-6 hours effect.
- B. Hyperkalemia and hyperglycemia are common side effects.
- C. Their effect is mediated by protein kinase A and cAMP
- D. They are not recommended to combine with corticosteroids.
- E. They have anti-inflammatory and bronchodilator effects.

#### ANSWERS:

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