



Respiratory System

Q 1) Which of the following statements regarding B2-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) They are not recommended to combine with corticosteroids.
- D) They have pro-inflammatory and bronchodilator effects.
- E) Their effect is mediated by protein kinase A and cAMP.

Q2) Which of the following drug-mechanism of action match is true?

- A) Linezolid - inhibits mycolic acid synthesis.
- B) Bedaquiline - inhibition of ATP synthase.
- C) Pyrazinamide - folic acid inhibition.
- D) Cycloserine - inhibits arabinosyl transferase.

Q3) Which of the following disease-treatment matches is true?

- A) Epiglottitis - Aspirin.
- B) Pharyngitis - Moxifloxacin.
- C) Diphtheria - Doxycycline.
- D) Acute Otitis Media - Cefuroxime.
- E) Rhinitis - Azithromycin.

Q4) Which of the following statements regarding pneumonia is true?

- A) Fluoroquinolones cannot be used as monotherapy in some cases.
- B) Hospitalized patients can be treated with gentamicin only.
- C) Corticosteroids are effective in severe pneumonia.
- D) Viral pneumonia's first choice of antibiotics is azithromycin.
- E) Antibiotics treatment should be at least 14 days.



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Q5) A 27-year-old female patient with recurrent asthma attacks is being considered for preventative therapy with cromolyn sodium. This agent is not effective as an acute treatment of an asthma attack because of the lack of which of the following properties?

- A) Bronchodilator
- B) IgE stabilizer
- C) Anti-inflammatory
- D) Mast cell activator
- E) Neutrophil inhibitor

Q6) 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) Phenylephrine
- B) Zileuton
- C) Moxifloxacin
- D) Cetirizine

Q7) 7. A 26-year-old man with a chronic cough takes codeine for cough suppression. He presents to his primary care physician for follow-up. The patient admits to taking this medication three times daily even when he does not have symptoms.

The treating physician must be concerned about which of the following effects?

- A) Diarrhea
- B) Euphoria
- C) Dependence
- D) Dizziness
- E) Sweating



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Key answers

- 1)E
- 2)B
- 3)D
- 4)c
- 5)A
- 6)A
- 7)c