



Scientific team

Pharmacology quizz-RS Quizz 1

1. Which of the following statements is true regarding Roflumilast?
 - A. Its an inhibitor for PDE4 and available only as inhaler.
 - B. It is recommended for mild COPD (chronic bronchitis).
 - C. Its a bronchodilator and can be used in acute attacks.
 - D. It has anti-inflammatory effects by increasing cAMP levels.
 - E. It is widely used for COPD with minimal adverse effects.
2. Asthma and COPD are obstructive Lung diseases that share many features. Which of the following statements is true regarding these diseases?
 - A. Both cause reversible airflow obstruction. (Not totally correct)
 - B. Olodaterol is recommended for both conditions.
 - C. Oral corticosteroids should be used as first choice for both.
 - D. Inhaled corticosteroids can be used for both conditions.
 - E. Both conditions are curable using certain drugs.
3. In the lab, you have a mice strain with established allergic rhinitis and you were asked to develop new compounds to manage the symptoms. Upon administrating your compound, the mice looked drowsy, confused and suffered from hypotension and tachycardia. Which of the following drugs has similar effects to your compounds?
 - A. Azelastine.
 - B. Beclomethasone.
 - C. Oxymetazoline.
 - D. Cromolyn.
 - E. Chlorpheniramine.
4. Which agent is a preferred antihistamine for the management of allergic rhinitis?
 - A. Chlorpheniramine.
 - B. Diphenhydramine.
 - C. Phenylephrine.
 - D. Cetirizine.
5. A patient on a cruise ship suffers an asthma attack and requires a rapidly acting bronchodilator. Unfortunately the pharmacy has run out of all levalbuterol inhalers. In this situation, what other option if available, might be most effective to treat bronchospasm with a relatively rapid onset of action (but needs to be co-administered along with a corticosteroid)?
 - A. Budesonide.
 - B. Fluticasone.
 - C. Formoterol.
 - D. Erythromycin.
 - E. Indacaterol.



Scientific team

6. A 43-year-old male carpenter reported to the clinic with itchy eyes, watery nasal discharge and itchy nose feeling rhinorrhea. He was prescribed some drugs that improved his condition, however, he noticed that he felt drowsy and couldn't work as usual. Which of the following drugs he probably had taken?

- A. Cromolyn.
- B. Oxymetazoline.
- C. Azelastine.
- D. Diphenhydramine.
- E. Prednisolone.

7. Which of the following inhibits acetylcholine-mediated bronchospasm?

- A. Theophylline.
- B. Ephedrine.
- C. pratriptan.
- D. Salmeterol.

8. Which of the following combinations of drug and their mechanism of action is correct?

- A. Salbutamol: stimulation of B2 receptor causing bronchodilation.
- B. Sodium cromolyn: mast cell activator.
- C. Aclidinium: degrades acetylcholine.
- D. Theophy/line: non-selective B2 receptor stimulation causing bronchodilation.

9. Which of the following antibiotics is very effective against Legionella?

- A. Cefixime.
- B. Nafcillin.
- C. Clarithromycin.
- D. Amoxicillin.
- E. Rifampicin.

ANSWERS:

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