

TEST BANK



Done by: Volunteer

Reviewed by:

Alpha-1 agonists cause reflex bradycardia, which can be blocked by

- A. Atenolol
- B. Atropine
- C. Mirtazepine
- D. Phenylephrine
- E. Propranolol

B

Which one of the following effects is caused by the ingestion of mushrooms That contain pilocarpine?

- A. Tachycardia
- B. Bronchodilation
- C. Diarrhea
- D. Hypertension
- E. Hyperthermia

C

Urination in the human subject is decreased by

- A. Muscarinic agonists
- B. Muscarinic antagonists
- C. AChase inhibitors
- D. Nicotinic agonists
- E. Spider venom

B

A 5-year-old child becomes ill while visiting relatives who have a farm in Arkansas. His symptoms include severe abdominal cramps with vomiting And diarrhea and profuse lacrimation and salivation. Pupillary constriction Is marked. The most likely cause is exposure to

- A. Herbicides
- B. Antifreeze
- C. Lead-based paint
- D. Insecticides
- E. Rat poison

D

The activation of muscarinic receptors in bronchiolar smooth muscle is Associated with

- A. Activation of adenylyl cyclase
- B. Decrease in cAMP formation mediated by G-proteins
- C. Increase in IP3 and DAG
- D. Inhibition of protein kinase C
- E. Opening of Na⁺/K⁺ cation channels

C

Ganglion blocking agents are of little clinical value today but they are Important drugs to know for solving cardiovascular drug problems because They can block

- A. All muscarinic receptors
- B. All nicotinic receptors
- C. All autonomic reflexes
- D. The direct actions of drugs on blood vessels
- E. The direct actions of drugs on the heart

C

An 11-year-old boy was brought to the ER by some of his friends because He “started going crazy” after eating seeds from a plant while “trying to get High.” The boy was incoherent; his skin was hot and dry. His pupils were Dilated and unresponsive to light. Blood pressure was 180/105, pulse 150, And rectal temp 40°C. The presumptive diagnosis was drug toxicity due to The ingestion of a compound similar to

- A. Cannabis
- B. Digoxin
- C. Mescaline
- D. Phencyclidine
- E. Scopolamine

E

Thermoregulatory sweat glands in the body utilize what type of pathway?

- A. Cholinergic nerves and muscarinic receptors
- B. Adrenergic nerves and alpha-1 receptors
- C. Adrenergic nerves and beta-2 receptors
- D. Cholinergic nerves and NM receptors
- E. Neurohumorally-released epinephrine

A

Activation of postsynaptic M2 receptors on the heart is associated with

- A. Activation of adenylyl cyclase
- B. Decrease in cAMP formation
- C. Increase in IP3 and DAG
- D. Inhibition of protein kinase C
- E. Opening of Na⁺/K⁺ cation channels

B

A colleague with myasthenia gravis wants you to assist him to the ER Because he is experiencing muscle weakness and has found it difficult to Titrate his drug dosage because he has had the “flu.” You note that he has a Slight temperature, shallow respirations, and a gray-blue skin pallor. What Would be the most appropriate drug to give to your colleague at this time?

- A. Albuterol
 - B. Edrophonium
 - C. Propranolol
 - D. Physostigmine
 - E. Scopolamine
- B

Neostigmine differs from pilocarpine in having effects on

- A. Bladder tone
 - B. Bowel motility
 - C. Heart rate
 - D. Salivary glands
 - E. Skeletal muscle
- E