

641E Final Exam

1. Insulin is used to treat hyperkalemia because it:

Stimulates sodium to be removed from the cell in exchange for potassium.

Binds to potassium to remove it through the kidneys.

Transports potassium from the blood to the cell along with glucose breaks down the chemical components of potassium, causing it to be no longer effective.

1. What is the central component of the pathogenic model of multiple sclerosis?

De-myelination of nerve fibers in the CNS

Development of neurofibrillary tangles in the CNS

Inherited autosomal dominant trait with high penetrance

2. Which of the following ICU sedatives should not be used for greater than 24 hours per the FDA labeling?

Midazolam (Versed)

Diazepam (Valium)

Dexmedetomidine (Precedex)

3. What type of necrosis is associated with wet gangrene?

Coagulative

Liquefactive

Caseous

Coagulative

4. In the absence of susceptibility data for an acute infection, the choice of an antimicrobial drug is mostly influenced by

The site of infection and the patient's history

The sensitivity report and the colony count

The source of the infection and the color of exudate

The host defense mechanism and the immune response

5. Which statement best describes cystic fibrosis?

Obstructive airway disease characterized by severe hypoxemia, decreased pulmonary compliance, and diffuse densities on chest x-ray imaging.

Pulmonary disorder involving an abnormal expression of a protein-producing viscous mucus that obstructs the airways, pancreas, sweat ducts, and vas deferens.

Pulmonary disorder characterized by atelectasis and increased pulmonary resistance as a result of a surfactant deficiency.

6. What medical term is used to identify an inflammatory disorder of the skin that is often considered synonymous with dermatitis and characterized by pruritus with lesions that have an indistinct border?

Eczema

Psoriasis

Atopic dermatitis

Pityriasis rosea

7. Identify whether the description of the skin lesion matches the disorder where it is found. (Select True or False)

Elevated, firm circumscribed area less than 1 cm in diameter: wart (verruca) or lichen planus

True

False

8. Removal of part of the liver leads to the remaining liver cells undergoing compensatory

Atrophy

Metaplasia

Hyperplasia

Dysplasia

9. Identify whether the description matches the disorder. (Select True or False) Abnormal dilation of the vein within the spermatic cord – Varicocele

True

False