

USMLE Step 1 Flashcards PDF

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What is the primary function of the kidneys?

The primary function of the kidneys is to filter blood, remove waste products, and regulate fluid and electrolyte balance.

What is the mechanism of action of penicillin?

Penicillin works by inhibiting bacterial cell wall synthesis, leading to cell lysis and death.

What are the common side effects of ACE inhibitors?

Common side effects of ACE inhibitors include cough, hyperkalemia, and angio-edema.

What is the most common cause of community-acquired pneumonia?

The most common cause of community-acquired pneumonia is *Streptococcus pneumoniae*.

What is the role of insulin in glucose metabolism?

Insulin facilitates the uptake of glucose into cells, promoting its use for energy and storage as glycogen.

What are the classic symptoms of hyperthyroidism?

Classic symptoms of hyperthyroidism include weight loss, heat intolerance, increased appetite, and palpitations.

What is the first-line treatment for hypertension?

The first-line treatment for hypertension often includes thiazide diuretics.

What is the mechanism of action of beta-blockers?

Beta-blockers work by blocking the effects of epinephrine on beta-adrenergic receptors, leading to decreased heart rate and contractility.

What are the risk factors for developing type 2 diabetes?

Risk factors for developing type 2 diabetes include obesity, sedentary lifestyle, family history, and age.

What is the primary treatment for anaphylaxis?

The primary treatment for anaphylaxis is the administration of epinephrine.