

USMLE 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, and regulate fluid and electrolyte balance.

What is the mechanism of action of ACE inhibitors?

ACE inhibitors work by blocking the conversion of angiotensin I to angiotensin II, leading to vasodilation and decreased blood pressure.

What are the common side effects of beta-blockers?

Common side effects of beta-blockers include fatigue, cold extremities, and bradycardia.

What is the first-line treatment for hypertension?

The first-line treatment for hypertension typically includes lifestyle modifications and thiazide diuretics.

What is the significance of the P wave on an ECG?

The P wave represents atria depolarization in an electrocardiogram.

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

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

What is the mechanism of action of statins?

Statins work by inhibiting HMG-CoA reductase, which decreases cholesterol synthesis in the liver.

What are the symptoms of hyperthyroidism?

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

What is the role of insulin in glucose metabolism?

Insulin facilitates the uptake of glucose into cells, thereby lowering blood glucose levels.

What is the most common type of skin cancer?

The most common type of skin cancer is basal cell carcinoma.