

Week 6 Pharmacology Review Questions & Answers

1. How does atomoxetine work as a nonstimulant drug for ADHD?

Atomoxetine is a selective norepinephrine reuptake inhibitor (NRI), increasing norepinephrine levels to improve attention and impulse control.

2. Why might guanfacine be preferred for a child with ADHD and a history of hypertension?

Guanfacine is an alpha-2 agonist that reduces sympathetic outflow, lowering blood pressure while helping with ADHD symptoms.

3. How do amphetamines cause excessive vasoconstriction leading to hypertension? Amphetamines increase norepinephrine release and inhibit reuptake, leading to vasoconstriction and elevated blood pressure.

4. Why is it important to evaluate cardiovascular symptoms and assess for dysrhythmias in patients on amphetamines?