ADHD Week 10 - Completion Quiz

Warning: You have already made the maximum number of submissions. Additional submissions will not count for credit. You are welcome to try it as a learning exercise.

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Question 1

What percent of surveyed students use stimulants without a prescription?

- ○ A. 2-5%
- ○ B. 4-16%
- ○ C. 17-23%
- ○ D. 26-31%
- ○ E. 35-42%

Question 2

In what brain area does Strattera (atomoxetine) increase dopamine?

- ○ A. Striatum
- ○ B. Occipital lobe
- ○ C. Prefrontal cortex
- ○ D. Nucleus accumbens
- ○ E. Olfactory bulb

Question 3

Clonidine and guanfacine were initially created to treat what type of condition?

- A. Kidney failure
- B. High blood pressure
- C. Diabetes
- D. Depression
- E. Irregular heart beat

Question 4

How does atomoxetine increase norepinephrine (NE) transmission?

- A. It inhibits re-uptake of NE from synaptic terminal
- B. It stimulates post-synaptic receptors directly
- C. It stimulates release of NE at the pre-synaptic terminal
- D. It increases synthesis of NE
- E. It has no effect; it only affects dopamine

Question 5

When guanfacine and clonidine activate an α-2A receptor, what happens with norepinephrine (NE) levels, cyclic adenosine monophosphate (cAMP), and neural network efficacy in the prefrontal cortex (PFC)?

- A. Increased NE will decrease cAMP and decrease neural network efficacy in the PFC
- B. Increased NE will increase cAMP and increase neural network efficacy in the PFC
- C. Increased NE will increase cAMP and decrease neural network efficacy in the PFC
- D. Decreased NE will increase cAMP and increase neural network efficacy in the PFC

E. Increased NE will decrease cAMP and increase neural network efficacy in the PFC

Question 6

TRUE OR FALSE: α-2A adrenergic agonists may be preferred over stimulants because they have lower risk of abuse, longer duration of action, and may have a more favorable side effect profile.

True

False

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You cannot submit your work until you agree to the Honor Code. Thanks!