

ADHD Week 5 - 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

According to the Surgeon General's report, stimulant medications for ADHD have been used since the _____ with efficacy in about _____ of ADHD patients.

- ☐ A. 1900s, 40%
- ☐ B. 1900s, 80%
- ☐ C. 1930s, 40%
- ☐ D. 1930s, 80%
- ☐ E. 1960s, 40%
- ☐ F. 1960s, 80%

Question 2

The Surgeon General's report mentions a study linking ADHD to over-intrusive and over-controlling parents. What did the author conclude?

- ☐ A. These parenting traits can directly cause ADHD in an otherwise normal child
- ☐ B. These parenting traits likely increase risk for ADHD in an otherwise normal child
- ☐ C. These parenting traits are likely a response to hyperactive and difficult to manage children with ADHD

- ☐ D. These parenting traits are caused by genes like DAT and DD4 receptor and then passed on to their children

Question 3

According to the Surgeon General, what is the best treatment for ADHD?

- ☐ A. Support and education for parents
- ☐ B. Appropriate school placement and teacher support
- ☐ C. Pharmacotherapy (medications)
- ☐ D. Behavioral training for the child
- ☐ E. Any two of the above together
- ☐ F. All of the above combined into an integrated model of care

Question 4

TRUE OR FALSE: The dopamine hypothesis of ADHD pharmacotherapy is that increases in dopamine could help improve attention and focus and thus enhance the saliency and 'interestingness' of a task in the hope of improving task performance.

- ☐ True
- ☐ False

Question 5

Which of the following would NOT be a wise drug design to help an ADHD patient?

- ☐ A. Inhibit COMT activity
- ☐ B. Stimulate MAO-B activity
- ☐ C. Increase release of dopamine into the synaptic cleft
- ☐ D. Block DAT1 activity

Question 6

TRUE OR FALSE: Norepinephrine at the α -2A receptor may increase sensitivity to a main signal/sound/message, while dopamine at the D1 receptor may decrease the input of distracting cues.

- ☐ True
- ☐ False

Question 7

While talking on the phone with her son, Billy's mom tells him a list of chores to do. Billy doesn't have anything to write with, so he tries to hold the list in his mind. What type of memory does this require?

- ☐ A. Reinforced memory
- ☐ B. Working memory
- ☐ C. Visual memory
- ☐ D. Semantic memory
- ☐ E. Procedural memory

Question 8

Which of the following are secondary effects of ADHD that not only are caused by ADHD but worsen ADHD as well (cyclic)?

- ☐ A. Low self-esteem
- ☐ B. School failure
- ☐ C. Social disability
- ☐ D. All of the above

- ☐ E. None of the above

Question 9

If a person had too much of the DAT1 structures, he/she would have _____ dopamine in the synapse leading to _____ dopamine signaling and thus would likely _____ on an ADHD pro-dopamine medication.

- ☐ A. More, reduced, improve
- ☐ B. Less, reduced, improve
- ☐ C. More, greater, improve
- ☐ D. Less, reduced, worsen
- ☐ E. Less, greater, worsen

Question 10

TRUE OR FALSE: The anterior attention system is important for orienting to a stimulus, while the posterior attention system functions to focus on one stimulus among distractors.

- ☐ TRUE
- ☐ FALSE

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