

ANSWERS: Practice Quiz 8 Part C

CNS STIMULANTS

DEH 2300

July, 2014

1. List 3 commonly used medications which are classified as CNS stimulants.

ANSWER: caffeine, Ritalin®, amphetamines

2. List 3 common foods/beverages which are considered CNS stimulants.

ANSWER: See PowerPoint and/or notes.

3. What is the primary indication for Ritalin® (methylphenidate)?

ANSWER: ADHD (also used for symptomatic treatment of narcolepsy)

4. List 2 unlabeled uses of Ritalin® (methylphenidate)?

<http://www.drugs.com/ppa/methylphenidate-hydrochloride.html>

5. TRUE or FALSE: All CNS stimulants are Schedule II drugs.

6. Which of the following adverse reactions/side effects is most likely to be seen in a patient using Ritalin® (methylphenidate)?

a. Bradycardia

b. Hypotension

c. Anorexia ANSWER

d. Drowsiness

7. What is the expected primary therapeutic effect of Ritalin® (methylphenidate) seen in a patient with ADHD?

ANSWER: Increased attention span in ADHD patients

8. TRUE or FALSE: Ritalin® (methylphenidate) may inhibit the metabolism of Coumadin® (warfarin) and consequently put the patient at risk for blood clots.

ANSWER: FALSE (Ritalin® may inhibit the rate of metabolism of Coumadin® which means the effect of Coumadin® is increased. The patient is in more danger of bleeding than clotting.)

9. List adverse reactions to Ritalin® (methylphenidate). Categorize adverse reactions by body systems.

ANSWER: See PowerPoint and the following website (Note FDA Prescribing Information: Side Effects)

<http://www.rxlist.com/ritalin-side-effects-drug-center.htm>

10. When is a patient on Ritalin® (methylphenidate) started on the SR (sustained-release) form of the drug?

ANSWER: Patient may be switched to the sustained-release form when the maintenance dose has been determined.

11. What is most likely to occur when a patient taking Coumadin® (warfarin) is started on Ritalin® (methylphenidate)?

ANSWER: See the answer to # 8 above.

12. What is the most likely result of a patient taking Ritalin® (methylphenidate) concomitantly with Dilantin® (phenytoin)?

ANSWER: See the following website.
<http://www.rxlist.com/ritalin-drug/side-effects-interactions.htm>

13. What is the most likely result of a patient taking Ritalin® (methylphenidate) concomitantly with antihypertensives?

ANSWER: See the following website.
<http://www.rxlist.com/ritalin-drug/side-effects-interactions.htm>

14. Are there dental implications of Ritalin® (methylphenidate)? If so, what are they?

ANSWER: See Drug Handbook by Wynn.

15. What is Concerta® (methylphenidate)? What is the primary indication? Is it a controlled substance?

CLUE: Look at the generic name.

16. What is Adderall®? What is the primary indication? Is it a controlled substance?

ANSWER: See website: <http://www.rxlist.com>

17. Use the indicated website to answer the following questions.

- a. Why administer a stimulant such as Ritalin® to a child who is already hyperactive?
- b. What are the odds that treatment of ADHD with Ritalin will be successful?
- c. What are the pros and cons of Ritalin® (methylphenidate) versus Adderall® (dextroamphetamine/amphetamine) and Dexedrine® (dextroamphetamine sulfate)?

<http://school.familyeducation.com/add-and-adhd/medications/39294.html?page=2>