

ANSWERS: Practice Quiz 3 - Part B - Diuretics

DEH 2300

May, 2014

1. Which statement best describes loop diuretics?
- a. Drugs in this category are potassium sparing.
 - b. Loop diuretics act in the ascending loop of Henle. ANSWER**
 - c. Loop diuretics are used to reduce intraocular pressure.
 - d. These drugs should not be given to patients with <30 ml urine output/hour.
2. A clinic patient taking diuretic agents complains of nocturia? If the problem is directly related to the medication what changes would most likely be helpful?

ANSWER: Time of administration

3. When is the best time to take oral potassium chloride?

ANSWER: with meals

4. Which diuretic is potassium sparing?
- a. Lasix® (furosemide)
 - b. Aldactone® (spironolactone) ANSWER**
 - c. Diamox® (acetazolamide)
 - d. Hydrodiuril® (hydrochlorothiazide)
5. Osmitol® (mannitol) is classified as a(n) _____ diuretic.
- a. Loop
 - b. Thiazide
 - c. Osmotic ANSWER**
 - d. Carbonic anhydrase inhibitor

6. What is the normal serum sodium level?

ANSWER: 136-142 mEq/L See Drug Handbook by Wynn, page 1639.

7. What is the normal serum potassium level?

ANSWER: 3.8-5 mEq/L See Drug Handbook by Wynn, page 1639.

8. Which lab value should alert you to a classic adverse reaction to Aldactone® (spironolactone)?
- a. Serum sodium = 160 mEq/L
 - b. Serum sodium = 140 mEq/L
 - c. Serum potassium = 3.1 mEq/L
 - d. Serum potassium = 6.5 mEq/L ANSWER**

9. Which classification of diuretics would most likely be effective in treating a head injury patient?
- a. Thiazide
 - b. Carbonic anhydrase inhibitor
 - c. Osmotic ANSWER**
 - d. Loop

10. Diamox® (acetazolamide) is most commonly used to treat chronic open-angle glaucoma .

11. What is the drug of choice for emergency treatment of conditions involving extreme amounts of edema and/or life-threatening edema?

ANSWER: Lasix® (furosemide)

12. Which group of diuretics is usually considered to be the safest?

ANSWER: Thiazides

13. If hyperuricemia occurs as an adverse reaction what signs/symptoms are likely to be present?

ANSWER: Gout and renal stones are the most common.

Look up the term in a medical dictionary or check the website below. Be aware that this condition affects many areas of the body.

http://www.rxlist.com/gout_gouty_arthritis/article.htm

14. Consumption of alcohol by a patient taking a thiazide diuretic is likely to result in a(n) _____ effect.

ANSWER: additive (resulting in extreme hypotension)

15. What is the most likely result of an interaction between Diamox® (acetazolamide) and aspirin?

ANSWER: Check the following website:

<http://www.drugs.com/drug-interactions/aspirin-with-diamox-243-0-86-3180.html>

16. Which subclassification of diuretics is considered to be the most potent?

ANSWER: loop diuretics

17. Which group of diuretics is most widely used?

ANSWER: thiazides

18. For which subclassification of diuretics are salt substitutes prohibited?

ANSWER: potassium-sparing

19. Which group of diuretics is considered to be the DOC (drugs of choice) for long term management of mild to moderate hypertension?

ANSWER: thiazides

20. List foods which are considered to be high in potassium.

ANSWER: Check your nutrition book or the website below:

<http://www.drugs.com/cg/potassium-content-of-foods-list.html>