

**INSTRUCTIONS:** All questions have only one correct answer.

1. A lung cancer patient complains of headaches, especially in the morning, and episodic nausea throughout the day unrelated to food. You should be suspicious of what etiology for the nausea:

1. Abdominal carcinomatoses
2. Brain metastases
3. Hypercalcemia
4. Positional vertigo

2. The chemoreceptor trigger zone is located:

1. In the floor of the 4<sup>th</sup> ventricle
2. In the limbic system near the hippocampus
3. In the antrum of the stomach
4. In the wall of the 3<sup>rd</sup> ventricle

3. Haloperidol is an effective anti-emetic via its activity at blocking which neurotransmitter:

1. acetylcholine
2. dopamine
3. histamine

serotonin

4. Which one of the following is the weakest anti-emetic:

1. haloperidol
2. lorazepam
3. prochlorperazine
4. scopolamine

5. All of the following are true of marijuana when used in pill form as an anti-emetic, except:

1. Anti-emetic activity requires patients have some mood altering effect
2. Commonly causes unacceptable CNS toxicity in the elderly
3. First-choice anti-emetic for HIV related nausea.
4. Weak anti-emetic for chemotherapy induced nausea

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