



# GIT- physiology

## Archive

### Lecture 2

#### Gastric Motility & Vomiting

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## Physiology'Lecture"2"

1. One of the following occurs during vomiting :

- A.Decreased heart rate.
- B.Stomach wall contracts.
- C.Diaphragm contracts.
- D.Stimulate respiration.
- E.Decreased intr abdominal pressure.

Answer:"C"

2.Which of the following will inhibit stomach contractions?

- A.Acetylcholine.
- B.Motilin.
- C.Gastrin.
- D.Secretin.
- E.Thyroxine.

Answer:"D"

3.All of the following are complications of vomiting EXCEPT:

- A.Alkalemia.
- B.Increase ionized  $Ca^{+2}$ .
- C.Dehydration.

Answer: B

## Physiology' Lecture"2"

4- Which of the following statements about stimulation of the chemoreceptor trigger zone (CTZ) is incorrect?

- A. Renal failure can stimulate the CTZ
- B. Diabetic ketoacidosis can stimulate the CTZ
- C. Irritation of the back of the tongue stimulates the CTZ
- D. Pregnancy can stimulate the CTZ
- E. Motion sickness can stimulate the CTZ

Answer: C

Note: The CTZ is located in the area postrema and responds to blood-borne toxins and metabolic disturbances, not to direct mechanical irritation of the tongue. Mechanical stimulation of the tongue usually triggers the gag reflex, not the CTZ.

5- Excessive vomiting causes all of the following except:

- A) Increased ionized calcium level
- B) Decreased ionized calcium level
- C) Alkalemia

Answer: A

