



GIT- physiology

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Lecture 1

Salivary secretion & Swallowing &
Esophageal Motility

Done by :

غادة الخوالدة

Physiology'Lecture"1"

1.All are true about mastication EXCEPT?select one:

- A.complete chewing reflex.
- B.Includes both voluntary and reflex components
- C.Increase the surface area of the food particles.
- D.The mechanical damage to the gut mucosa.
- E.Is important for digestion of carbohydrates.

Answer:"D"

2.One of the following is from functions of salivary secretion :

- A.Helps in digestion of uncooked starch.
- B.Evaporation in animals with sweat gland.
- C.Keep pH of the mouth at about 7.
- D.IgG help in cleaning mouth.
- E.Heating efect of cold food.

Answer:"C"

3.Which of these occurs during second phase of swallowing process :

- A.Elevation of the epiglottis.
- B.Deep respiration.
- C.Approximation vocal cords.
- D.Elevation of the tongue against soft palate.
- E.Secondary peristaltic contraction.

Answer: C

Physiology'Lecture"1"

4.Taste sensation of the tip of the tongue by :

- A.Hypoglossal nerve.
- B.Chorda tympani.
- C.Glossopharyngeal nerve.
- D.Lingual nerve.

Answer:"B"

5.All of the following regarding achalasia are true except?

- A.Primary causes are more common.
- B.May result in functional esophageal obstruction.
- C.Decreased lower esophageal sphincter(LES)tone.
- D.Esophageal aperistalsis.
- E.Patient could present with epigastric pain.

Answer:"C"

6.During pharyngeal phase of Deglutition there is?

- A.Opening of nasal cavity.
- B.Opening of glottis.
- C.Depression of Larynx.
- D.Swallowing apnea.

Answer:"D"

Physiology'Lecture"1"

7.Which carry the parasympathetic nerve supply of parotid gland:


- A.Great auricular.
- B.Facial nerve.
- C.Middle meningeal plexus.
- D.Glossopharyngeal.

Answer:"D"

8.One of the following features is in saliva except:

- A.Soluble calcium salts.
- B.Amylase enzyme.
- C.Lipase.
- D.Digestion fruits and vegetables completely.

Answer:"D"



GIT- physiology

Archive

Lecture 2

Gastric Motility & Vomiting

Done by :

Hamza Ahmad
Bashar Ayasrah

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



GIT- physiology

Archive

Lecture 3

Gastric Secretions

Done by :

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Physiology'Lecture "3"

1.Pancreatic enzymes, Except?

- A.Contain enzymes that digest fatty acids.
- B.CCK-PZ increase aqueous secretion from duct.
- C.pH is 6—7,8.
- D.Pancreatic juice have low HCO_3 .
- E.Secretin absorbed from blood stream.

Answer: A

2.All of the following occurs after having a big meal except :

- A.Increase acidity.
- B.Decrease respiratory rate.
- C.Respiratory acidosis.
- D.Thoracic cavity area decreased.
- E.Parasympathetic inhibition.

Answer:"B+C"

*في خلاف على الإجابة



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Lecture 4

Pancreatic secretions

Done by :

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physio - lecture (4)

1)Pancreatic enzymes :

- A- Contain enzymes that digest fatty acids.
- B- CCK-PZ increase aqueous secretion from duct.
- C- pH is 6-7,8.
- D- Pancreatic juice have low HCO_3^- .
- E- Secretin absorbed from blood stream.

Answer: A

2)Which one is increasing the insulin:

- a.Decrease fatty acid
- b.Glucose dependent insulinotropic peptide
- c.It stimulate the process of gluconeogenesis
- d.Decrease the uptake of amino acids

Answer:b

Which of the following matched pairs regarding regulation of pancreatic secretion is NOT TRUE

- .A. CCK - Protein and Lipid
- .+B. Secretion - H
- .C. Gastric phase Vagal - cholinergic
- .D. intestinal phase - Enteropancreatic reflex
- .E. Ach - M1 receptors on pancreatic acinar cells

ANSWER: E



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Lecture 5

Done by :

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physio - lecture (5)

1) Gall bladder contraction is induced by?

:Select one

- .A. By vagal activity
- .B. Sympathetic stimulation
- .C. By both CCK and Vagal stimulation
- .D. By CCK
- .E. By certain sympathetic nerves

ANSWER: C

2) Emulsification of fat, choose the wrong statement?

- A. The charged hydrophilic side of bile salt will be projecting from the surface of micelles
- B. Micelles are soluble in water
- C. The hydrophobic side of the bile salts mix with fat droplet
- D. Gastric lipase digest the fat in micelle producing fatty acids and 2 monoacylglycerols
- E. This process mixes two different substances that normally do not mix together

ANSWER: D