

Physio lec.1+2 (past)

Saturday, April 22, 2023 10:10 AM

1- Which of the following doesn't affect blood flow to the GI tract:

- a. CCK
- b. Secretin
- c. GIP
- d. CCI
- e. kinins

2- one of the following is true with regard to defecation reflexes in normal adult

- A- voluntary control is ensured by relaxation of external anal sphincter
- B- appears as series of voluntary reflexes after the distention of rectum
- C- generate motor activities which are present all the day over the colon
- D- the intrinsic component of the reflex is provided by sympathetic neurons
- E- as a result of increased activity of intrinsic reflex, defecation will follow without the voluntary stage of defecation

3- blood flow to GI glands could be affected by all except

- A- autonomic nervous system
- B- submucosal plexus
- C- hormones secreted along GIT
- D- secretory glands stimulation
- E- Interstitial cells of Cajal

4- The remaining food particles in the esophagus initiate:

- A. Primary peristalsis
- B. Secondary peristalsis
- C. MMC

5- about swallowing, all true except:

- a-composed of voluntary and involuntary phases.
- b-primary peristalsis is initiated at the pharynx
- c-secondary peristalsis is initiated in the esophagus by reminiscent of food in the esophagus.
- d- preceded by relaxation wave to open the lower esophageal sphincter.
- e- closure of epiglottis is voluntary

6- All of the following are true about deglutition EXCEPT:

- A. It is initiated voluntarily
- B. It involves reflex centers in the brain
- C. Respiration is impeded during the esophageal phase
- D. It is less effective when lying down
- E. All of the above are true statements

7- Choose the correct statement regarding the interstitial cells of Cajal (ICCs):

- A. ICCs are responsible for tonic contraction of GI smooth muscle cells
- B. ICCs are responsible for the slow action potentials (slow waves) in smooth muscle
- C. ICCs are neurons that communicate with smooth muscle cells through gap junctions
- D. ICCs control ENS activity
- E. None of the above

8- About defecation:

- a.parasympthatic to muscle of anus
- b. Intrinsic reflexes caused by parasympathetic innervation
- c. Intrinsic reflexes are strong enough to cause defecation
- d. Voluntary act while defecation causes internal sphincter to relax
- e. Closure in glottis cuses decreasing in abdominal pressure

9- .blood flow toward gastrointestinal tract is controlled by all of the following , except :

ICC (interstitial cells of cajal)

- 1- D
- 2- A
- 3- E
- 4- B
- 5- E
- 6- C
- 7- B
- 8- A