

GI Past Papers

Pathology

Dysphagia, papillomatosis & thickening of the basal layer of the squamous epithelium, neutrophils, eosinophils and lymphocytes are seen in the submucosa:

- A. **Reflux Esophagitis**
- B. Squamous Cell Carcinoma
- C. Achalasia
- D. Mallory-Weiss

Heartburn, dysphagia, granulation & hyperemia in the lower 3rd of the esophagus which started 6 months prior to this examination, accompanied with weight loss. Patient is 70 years old.

- A. **Adenocarcinoma**
- B. Esophageal Stricture
- C. Squamous Cell Carcinoma
- D. Scleroderma

Pharmacology

Mismatch

- A. **Lansoprostol → Vitamin B12 Deficiency**
- B. Sucralfate → Blackening of Stool
- C. Misoprostol → Inhibits Gastric Acid Secretion
- D. Sucralfate → Antimicrobial Activity against H. Pylori

Metoclopramide and Domperidone, which isn't common to these two drugs:

- A. Can cause Parkinsonian and extra-pyramidal side effects.

Aluminum and Magnesium hydroxide mixture, which is correct:

- A. Cause constipation
- B. **Cause hypophosphatemia**
- C. Produce CO₂ when reacting with gastric HCl
- D. Cause metabolic acidosis

Ondansetron, which is incorrect

- A. Serotonin 5-HT₃ receptor antagonist
- B. **Euphoria and hallucinations are common side effects**
- C. Slow colonic transit
- D. Used for chemotherapy-induced nausea and vomiting

Which is incorrect?

- A. Esomeprazole → Galactorrhea and Gynecomastia
- B. Ranitidine → H₂-Blocker

Microbiology

Which of the following causes pseudomembranous colitis?

- A. **Clostridium difficile**
- B. Shigella
- C. Salmonella
- D. Bacillus cereus
- E. All of the above

Which of the following is related to typhoid fever?

- A. Water contamination
- B. Meningitis
- C. Intestinal perforation
- D. Gastroenteritis
- E. **All of the above**

Vibrio Parahemolyticus

- A. Food poisoning
- B. Septicemia
- C. Wound infection
- D. A + B
- E. **A + B + C**

Which of the following produce heat-stable and heat-labile enterotoxin?

- A. **ETEC**
- B. EPEC
- C. EHEC
- D. Shigella
- E. None of the above

Which isn't associated with H. Pylori infection?

- A. Gastritis
- B. Duodenal ulcer
- C. Urease
- D. **Chronic meningitis**

Which is correct regarding Enterobius Vermicularis?

- A. Diagnosis can be done by examining eggs in feces
- B. Freshly laid eggs are infective
- C. Intermediate host
- D. Bleeding

Which of the following is/are associated with the pathogenesis of E. Histolytica ?

- A. Normal flora
- B. Type of diet
- C. Type of strain
- D. Two of the above
- E. **All of the above**

Which of the following is wrong about Giardia?

- A. Malabsorption
- B. **Dorsal sucker**
- C. Two prominent nucleoli
- D. 4 pairs of flagella

Physiology:

The lowest RQ is when:

- A. After 1 hour of starvation
- B. **After 3 weeks of starvation**
- C. After glucose intake

Which one of the following might happen if there is deficiency in lipase?

- A. Steatorrhea
- B. Vitamin K deficiency
- C. Increased synthesis of chylomicrons
- D. Increased absorption of lipids
- E. **More than one of the above (A + B)**

The lowest O₂ consumption occurs when:

- A. After exercise
- B. **Sleeping with basal conditions**
- C. All basal conditions

The remaining food particles in the esophagus initiate:

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

Concerning Leptin, which is wrong?

- A. Secreted by adipocytes
- B. Secreted when adipocytes are full with fat
- C. Goes to the hypothalamus and increases appetite**

Pancreatic proteolytic enzymes, which is true?

- A. Secreted from acinar cells**
- B. Play a role in glucose homeostasis
- C. More than one of the above

Pancreatic secretions, which is true?

- A. Amylase is secreted in inactive form

Which of the following substances its absorption is blocked when it's in excess amounts and absorbed only when needed?

- B. Calcium
- C. Iron**

Which of the following substances' absorption is not Sodium-dependent?

- A. Glucose
- B. Fructose**
- C. Galactose
- D. Water

Which of the following statements is wrong?

- A. Mass contractions occur all the time

Which of the following is true about defecation?

- A. Extrinsic parasympathetic signals fortify the contraction
- B. External anal sphincter is relaxed by parasympathetic stimulation

All of the following stimulate HCl secretion except:

- A. Gastrin
- B. Histamine
- C. Parasympathetic Stimulation**
- D. Somatostatin