

بسم الله الرحمن الرحيم



2008 CLASS SUMMARIZING GROUP

**HAYAT QUESTIONS TEAM**  
**GIT**  
**MID EXAM KEY ANSWER**  
**23 / 11 / 2010**

## ANATOMY:

1. Your friend thinks he / she has bacterial infection of the parotid gland (parotitis). As a young doctor, you attempt to confirm the diagnosis and try to look for infectious fluid (pus) coming out from the parotid papilla located on:  
<C+> bucal mucosa opposite to upper second molar.
2. One histological section the wall of an organ shows mucosa without villi. Simple straight columnar glands are seen with rich goblet cell population. No serosa is seen. This must be:  
<C+> upper part of anal canal.
3. a plica circularis of the jejunum consists of:  
<C+> mucosa and submucosa only.
4. During introduction of gastric tube through the mouth care is especially paid not to injure the region of valleculae because this region:  
<C+> supplied by the vagus nerves.
5. In the free edge of falciform ligament of liver runs:  
<C+> the umbilical vein.
6. A female patient who shows on computer tomography fluid accumulation in the pouch of Douglas might have all the following condition EXCEPT:  
<C+> ruptured urethra.
7. In retrograde endoscopy of bile duct system a minor duodenal papilla may be found. In such a case which of the following statements is correct?  
<C+> part of the secretion of the head part of the pancreas enter into the minor duodenal papilla .
8. in an old classical operation to relieve portal hypertension the portal vein has been anastomosed to one of the following veins :  
<C+> renal vein.
9. In abdominal surgery care is taken not to injure the superior rectal artery. This is justified because this artery:  
<C+> supplies the whole rectal mucosa.
10. Operations on the posterior aspect of the rectal may injure any of the following structure EXCEPT:  
<C+> testicular artery.

11. Omphalocele is condition diagnosed in newborns and results form:

<C+> incomplete retraction of physiological herniation.

12. The cleft lip results most commonly from failure of fusion of:

<C+> maxillary and medial nasal prominences.

13. You may already know that columns of morgagni are anal columns. So let us play what is what, choose the correct description out of the following:

<C+> foramen of Winslow leads into the lesser sac.

14. your friend dose know that pouch of Hartmann is present in the neck of the gallbladder, so let us play again what is what , choose the correct description out the following :

<C+> Lieberkuhn crypts contain stem cells.

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#### MICROBIOLOGY:

1. What proportion of patients with hepatitis B infection develops chronic hepatitis?

<C+> about 4%.

2. Which of the following viruses of diarrhea has the shortest incubation period?

<C+> Norwalk agent.

3. People do get infected with fasciola hepatica by injesting which type of food?

<C+> water vegetations.

4. Cyclope (copepods) is the first intermediate host for which of the following parasites ?

<C+> Diphylobothrium latum.

5. the infectious stage in fresh water for the worm Chlonorchis sinensis is called :

<C+> metacercaria.

6. Do get infected with hydatid cyst when we:

<C+> ingest the hexacanth embryonated eggs of Echinococcus granulosus.

7. All of the following antigenic Markers are positive in patient with chronic hepatitis cused by hepatitis B virus EXCEPT:

<C+> HBcAg.

8. Multiple Cytoplasmic vacuoles and apoptosis in Eukaryotic cells is a mechanism of action of a toxin produced by which of the following?

<C+> Helicobacter pylori.

9. Virulent factors expression related to temperature or free  $Ca^{++}$  is phenomena seen in which of the following organisms?

<C+> Yersinia pseudotuberculosis.

10. Guillain-Barré syndrome is highly associated with post infection with?

<C+> campylobacter jejuni.

11. Urn shape eggs are diagnosis features for which of the following parasites?

<C+ > clonorchis sinensis.

12. Adherence alone that produces a biofilm of mucus is the mechanism of diarrhea in which of the following organisms ?

<C+> Enteroaggregative E.coli.

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**PATHOLOGY:**

1. Oral candidiasis is common in all of the following EXCEPT:

<C+> patients on NSAIDS.

2. Replacement of the lower 5 cm of esophagus by intestinal type (glandular) mucosa is characteristic of:

<C+> Barrett's esophagus .

3. All of the following are possible causes of esophageal stenosis EXCEPT :

<C+> Hiatus hernia.

4. Each of the following features are seen in chronic autoimmune gastritis EXCEPT:

<C+> Atrophic gastritis involving the antrum.

5. The clinical significance of Helicobacter pylori associated chronic gastritis includes all of the following EXCEPT:

<C+> reduce the use of antibiotics in peptic ulcer disease management.

6. Which of the following is not associated with increase risk of gastric carcinoma ?

<C+> Hyperplastic polyps.

7. There is an increased risk of small bowel lymphoma in:

<C+> Celiac disease.

8. Which one of the following is not a complication of cystic fibrosis?

<C+> sever hypernatremia.

9. Each of the following is suggestive of chronic pancreatitis EXCEPT:

<C+> absent gallstones.

10. All of the following molecula alteration is involved in pancreatic carcinogenesis EXCEPT:

<C+> APC.

11. The histologic feature best characterize Whipple disease is:

<C+> Foamy macrophages blunting the villi.

12. Each of the following is associated with celiac disease EXCEPT:

<C+> Response to antibiotics.

13. Which of the follwing is correct regarding diverticular disease?

<C+> there is an increased risk of the development of colonic adenocarcinoma.

14. All of the following investigation / Information are needed for a deintive diagnose inflammatory bowel disease EXCEPT:

<C+> Liver function tests.

15. Of the following, which is least likely to develop adenocarcinoma?

<C+> peutz-jegher syndrome.

16. Genes implication in pathogenesis of colorectal cancer include all the following EXCEPT :

<C+> BRCA 1 gene.

17. Preivenular fibrosis (central sclerosis) is associated with:

(C+) Alcoholic hepatis.

18 . All of the following are known risk factors of ischemic bowel disease EXCEPT:

<C+> infectious colitis.

19. Which of the following is TRUE regarded ulcerative coloitis?

<C+> Dysplasia as long term complication.

20 .which of following statements about peptic ulcer disease is TRUE?

<C+> Urea breath test is non-invasive procedure for the diagnosis of H.pylori infection.

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﴿ إِنَّ الَّذِينَ قَالُوا رَبُّنَا اللَّهُ ثُمَّ اسْتَقَمُوا تَتَنَزَّلُ عَلَيْهِمُ الْمَلَائِكَةُ  
أَلَّا تَخَافُوا وَلَا تَحْزَنُوا وَأَبْشِرُوا بِالْجَنَّةِ الَّتِي كُنتُمْ تُوعَدُونَ ﴿٣٥﴾  
نَحْنُ أَوْلِيَائُكُمْ فِي الْحَيَاةِ الدُّنْيَا وَفِي الْآخِرَةِ وَلَكُمْ فِيهَا مَا تَشْتَهُ  
أَنْفُسُكُمْ وَلَكُمْ فِيهَا مَا تَدْعُونَ ﴿٣٦﴾ نَزَّلْنَا مِنْ غَفُورٍ رَحِيمٍ ﴿﴾

PHYSIOLOGY:

1. One of the following is characteristic feature of the slow waves of the smooth muscle in GIT wall:

<C+> they are caused by Canal cell in the wall of GIT.

2. Which of the following statements is INCORRECT regarding vomiting?

<C+> stimulation of chemoreceptor trigger zone inhibits vomiting.

3. Which of the following statements regarding the large intestine is INCORRECT?

<C+> most of water absorption in large intestine occurs in descending colon and rectum.

4. Regarding cells in the stomach and their products, which of the following is correctly paired?

<C+> D cells ..... somatostatin.

5. Which of following is absorbed by facilliated diffusion from small intestine lumen into entrococytes (at luminal surface of entrococyte)?

<C+> fructose.

6. Release of which ONE of the following increase the PH of duodenal contents?

<C+> Secretin

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#### PHARMACOLOGY :

1. Which of the following statements about proton pump inhibtores (PPI) is FALSE?

<C+> their long duration of action is due to their long plasma half-life.

2. Histamine H<sub>2</sub>-receptor antagonists are characterized by all of the following EXCEPT?

<C+> they greatly attenuate the effect of phenytion.

3. metoclopramide:

<C+> Acute toxic manifestation can be managed by intravenously administrated procyclidine.

4. Loperamide as an antidiarrheal agent, its characterized by all of the following, EXCEPT?

<C+> it's usually combined with a small dose of atropine.

5. Which of the following statement about lactulose is TRUE?

<C+> it can reduce blood NH<sub>3</sub> concentration.

6. Drug- induced liver injury (DILI) is characterized by all of the following, EXCEPT:

<C+> the incidence of DILI is lower in females than males in persons aged 50 years or more.

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### BIOCHEMISTRY:

1. Orlistat (Xenical) is anti-obesity drug, what is the biochemical mechanism of action?

<C+> inhibit pancreatic and gastric lipase.

2. The best laboratory test to evaluate the hepatocytia function is:

<C+> albumin.

3. Malabsorption of nutrients and vitamins are observed in cystic fibrosis.

Why?

<C+> lose ability to secrete digestive enzymes.

4. One of the important function of the liver is to maintain normal blood glucose level over both short (hours) and long (days and weeks) periods of time. This could be achieved by:

<C+> Gluconeogenesis: when hepatic glycogen reserves become exhausted.

5. Why acetyl CoA is not oxidized to CO<sub>2</sub> and O<sub>2</sub> in alcohol drinkers?

Because:

<C+> TCA is shut off.

6. Choose the incorrect parameter in regard to prehepatic jaundice:

<C+> APL: high.

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## PUBLIC HEALTH:

1. Which of the following statements regarding screening for?

Colo-rectal cancer in asymptomatic people is NOT true:

<C+> one of the strategies used is colonoscopy every 5 years.

2. The LEAST effective preventive measure to control viral hepatitis A is:

<C+> Vaccination of infants.

3. Chronic infection – after an episode of acute infections of viral hepatitis B – occurs in:

<C+> 90% of infants infected at birth.

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## CASES AND INTRODUCTION LECTURE:

1. This question is about perforated peptic ulcer case :

A 42 year old female was admitted to the hospital after visiting the emergency room complaining of severe epigastric pain and pain over her right shoulder.

She had a history of gastric ulcer which had been treated previously with medication, but on questioning, she

admitted that she had been so busy recently that she had forgotten to refill her prescription and had not taken her medication in some time. As a result of the history and physical findings, the physician suspected that she was suffering from a perforated gastric ulcer and she was referred to surgical department.

When the surgeon examined the patient's stomach during the surgery, she found a small perforation on the posterior aspect of the body of the stomach near the lesser curvature.

The pain experienced over her shoulder is due to irritation of:

<C+> diaphragm.

2. This question is about alcohol and digestive tract case:

Amjad Ali has had a "drinking problem" throughout most

of his adult life. He was hospitalized 5 times due to this problem . He

developed eventually liver cirrhosis and portal hypertension. One of his main complaints is steatorrhea. This steatorrhea is due to :

<C+> less synthesis of bile salts.

3. This question is about introductory lecture:

Most of peptic ulcer is caused by infection with H.pylori. Urea breath testing is used for diagnosis this infection .

Choose the correct statement about Urea Bbreath Testing:

<C+> in this test expired CO2 is collected and analyzed .

\*\* These are 70 from 73 questions of our exam , we are making soft copy from physiology department hard copy questions.



**HAYAT QUESTIONS TEAM**

بالتوفيق للجميع ..... لاتنسونا من صالح دعائكم