



GASTROINTESTINAL SYSTEM

-Final Exam-

Coordinator: Dr. Hakam Alkhateeb

Collected by: GLORIANS TEAM

Batch: Glory - 2017

Biochem

Dr.Mazhar 9Qs

1. One of the following is **INCORRECT** about lactose intolerance:

- _lactose can't be absorbed
- _can be inborn dis
- _Dutch have the lowest rate to develop lactose intolerance
- _Asians have the highest rate to develop lactose intolerance
- _lactase is the last function lost and the first recovers ★**

2. ALL the following are true about glucose transport, **EXCEPT** :

- Monosaccharides transportation from epithelial cells to blood depend on Direct ATP ★**
- Glucose and Galactose absorbed from intestinal epithelial cells along Na⁺
- Fructose transported along GLUT-5

3. The predominant GLUT on erythrocytes:

- GLUT 1 ★**
- GLUT 2
- GLUT 3
- GLUT 4

4. the major regulatory step for liver glycolysis is :

- PFK-1 step ★**
- _pyruvate kinase
- _hexokinase

5. One of the following is true about MEOS:

- _accounts for 10-20% of ethanol oxidation in moderate drinker★**

- _located on the outer mitochondrial membrane
- _produce acetylaldehyde by one step reaction
- produce o₂

6. Transamination of ASP to a-ketoglutarate result in :

Oxalacetate ★

Urea

Glutamate

7. POMPE dis result from deficiency of :

- Lysosomal maltase ★

- Glucosidase
- Glycogen phosphorlase

8. glucose , fructose , galactose transported from intestinal epithelial cells to blood by :

- GLUT2 ★

- GLUT 3
- GLIT 5

9. One of the following is INCORRECT :

- _trehalase enzyme breaks down alpha 1,1 glycosidic bond
- _Glucosidase is exopeptidase
- _glycosidases are surface bound enzymes that avoid proteases digestion by owing carbs as glyucoproteins
- _Sucrase-Isomaltase can't break down alph 1,2 and alpha 1,4 bonds ★**

PHYSIOLOGY

Dr. Hakam13Qs

10. Steatorrhea result in all except:

- **Hemolytic anemia** ★

-Pancreatectomy

-Resected ileum

11.Fat diet absorption occur in :

Ileum ★

Cecum

Ascending colon

12.oral rehydration is useful in diarrheas due :

Na-glu symporter unaffected ★

Toxins inhibit the facilitated glu diffusion

Na-k-2cl located only on the basolateral side

13.All the following statements are true, EXCEPT :

_gastrin is secreted only from gastric antrum ★

_postganglionic parasympathetic fibers on the myntiric and aurbachs plexus

14.The Amount of gastric secretion released per day :

- **2500 ml** ★

- 1000 ml

-1500 ml

15.CCK Don't :

- **Potentiate gastrin effect** ★

- do gallbladder relaxation

- do Oddi sphincter contraction

-Non

16.The following statement is INCORRECT about pancreatic juices :

- **Secreted mainly under neural stimulation★**

17. Decrease pH of duodenum to 4 activate:

- **Brunner glands to secrete HCO_3^- ★**

- Gastrin secretion
- Pyloric sphincter relaxation

18. Secretin secretion activated by:

- **Acid in the duodenum ★**

- Acid in stomach
- colon extension
- all are correct

19. Cephalic phase of gastric secretion is :

mediated by vagus nerve

20. All the following statements are false, EXCEPT :

bile acids are conjugated into bile salts in the liver ✓

21. In active form, most of saliva are secreted

1 parotid

2 **submandibular ★**

3 buccal

4 submental

22. All of the following are correct Except:

- **secondary peristaltic contraction is stimulated by extrinsic nervous system ★**

Anatomy

Dr.Ramada ,Dr. Ayman ,Dr.Gamal 18Qs

23.The wrong statement about anal opening is :

- **The Urorectal septum endodermal in origin ★**
- The tip of the septum will form the perineal body
- Ectodermal in origin

24.patient suffer from Bilious vomiting,on examination the 2parts of pancreas don't fuse and rotate around which part of GI tract :

- **2nd part of Duodenum ★**
- 1st part of Duodenum

25.all are correct about Cloaca except:

- **anoperineal fistula due to opening of anus into bladder ★**
- Errors in the degeneration of the colocal membrane may result in formation of imperforate anus

26.A patient who complains of portal hypertension was admitted to the hospital after developing esophageal varices, in addition to rectal varices,

One of the following is correct about the cause of rectal varices:

- **Superior rectal v. With inferior and middle rectal v.★**

27.All of the following ligaments are related to the liver except:

- **Greater omentum★**

28.Common bile duct consists of common hepatic duct and:

- **Cystic duct ★**

29. All of the following features are typical in large intestine except:

- Peyer's patches

30. All of the following are true regarding to inguinal canal except ;

- The anterior wall is consist of aponeurosis of internal oblique muscle

31. True about diaphragm:

- Right and left vagus nerve pass through esophageal hiatus

32. All of the following are true about dentin except ;

- It is consists of 96% hydroxyapatite★

33. anterior to 3rd part of duodenum is :

Superior mesenteric a ★

Portal v

Non

34. Submucosal plexus:

Contain Parasympathetic ganglia and it is called mesenteric plexus

35. True about gastric fundus:

- No villi, submucosa contain small muscle fibers and lymphoid cells

36. The false statement:

the foliate papillae rudimentary in older individuals only ★ (in all human but especially in older)

37. the concentrated Lymphoid nodules can be present In :

- Peyer's patches
- Appendix
- In submucosa of GI
- tonsils

- **All of the above** ★

38. Porta hepatica contain:

- Hepatic artery
- Portal vein
- cystic duct

- **A and B** ★

39. Hepatic plate is term for :

Hepatocytes arranged in liver lobules ★

Portal v

40. The false statement about pancreas:

Each pancreatic acinus consists of several serous cells surrounding a very small lumen, along myoepithelial cells★

Pathology

Dr. Doa'a 28Qs

41. which of the following is not a precancerous:

Herpetic stomatitis ★

- Leukoplakia
- Erythroplakia
- Achalasia

42. Mixed tumor of salivary gland :

-Benign epithelial and mesenchymal cells ★

- Benign epithelial
- Malignant mesenchymal

43. Esophageal varices result from :

-Portal hypertension ★

44.The precursor of esophageal Adenocarcinoma :

-Barret esophagus ★

-achalasia

-alcohol

45.the premalignant manifestation of chronic gastritis is :

-Intestinal metaplasia ★

46.The Transcoelomic spread of gastric CA is commonly:

-ovary ★

-uterus

-intestine

-kidney

47.all can develop peptic ulcer except:

-Large intestine ★

-Esophagus

-Meckel diverticulum

-Duodenum

48.all lead to malabsorption Syndrome except:

-Hirschsprung dis ★

-Celiac dis

-Tropical

-Whipple

49.the specific feature of chronic bowel ischemia :

Hyalinization of lamina propria ★

50.the celiac dis is risk factor for lymphoma of type :

-Enteropathy associated T cell lymphoma ★

-MALT

51.Female patient with UC , present with all of the following except:

-Pancreatitis ★

-Erythema nodosum

-PSC

-Uveitis

52.all related to Colon cancer except :

-RA★

-B-catenin

-APC

-MLH1

53.Hamartomatous polyps in :

Peutz-Jeghers Syndrome ★

Gardner syndrome

Turcot syndrome

54.the surest feature of malignancy of adenomatous polyp is :

Core invasion ★

Large size

Polyp type

55.the most common tumor of appendix is :

Carcinoid tumor ★

Mucinous cystadenoma

Mucinous cystadenCA

56.Feature of Crhon dis is :

Transmural inflammation ★

Toxic Megacolon

Diffusion

No granuloma

57.AdenoCarcinoma in pancreas is characterized by :

Perineural invasion ★

Mostly in the tail

Originate from acinar cells

58.wrong about chronic pancreatitis:

Early lost of islets of langerhans ★

59.Liver fatty change , mostly due :

Chronic alcoholism ★

60.Someone who has received blood transfusion 20 years ago , recently he complains of cirrhotic liver .with liver lesion (HCV doesn't do a lesion instead diffuse involvement) .one of the following is the most likely to be the cause :

-HCC ★

-HCV

-hereditary hemochromatosis

61.All result from liver failure, except:

Acute Hyperglycemia ★

Increase estrogen in blood

Ascites

Renal failure

62.the hematological abnormalities as thrombocytopenia and pancytopenia in liver cirrhosis is due :

-Splenomegaly and hypersplenism ★

-esophageal varices

63.Unconjugated bilirubin increase in all except:

Billiary cirrhosis ★

Hemolytic anemia

Deficiency of UGT

64.Wrong about Wilson dis :

High ceruloplasmin in blood ★

Brown deposition in eye

Cu accumulate in liver and brain

65. A 5 year old child is diagnosed with a tumor that consists of malignant primitive cells , this is :

-Hepatoblastoma★

-HCC

66.Chronic alcoholism man is admitted to the hospital complains of cirrhotic liver with focal liver lesions , on diagnosis they found that there is a tree like mass , of adenocarcinoma histopathology with negative for bile staining and normal level of a.fetoprotein ..the most related diagnosis is :

-cholangiocarcinoma

-HCH

67.The Rokitansky-Aschoff sinuses are :

-pseudo diverticulum

-true sinuses

68. Cholesterol stones:

result from bile becoming super-saturated with cholesterol

Microbiology

Dr. Zain 13Qs

69. Isolation of microbe from peptic ulcer, this microbe has all of the following features except:

Can be invasive to blood stream

70. All of the following are true about campylobacter jejune except:

Urease positive

71. Mismatch link:

Passive immunity >> HCV and HEV

72. One of the following is INCORRECT about rotavirus:

_ can infect adults and older children ✓

73. One of the following INCORRECT about cryptosporidium:

_ the only ciliate that infects human ✓

74. Visceral larva migrans can be caused by:

Toxicara cani

75. All of the following can be seen in trophozoite of E. histolytica except ;

Ingested bacteria

76. Mismatch link:

Enterococci >> culture on mackongy agar

77. False statement about Echinococcus granulosus:

Adult worms live in human viscera

78. False about vibrio cholera:

cause Injury In intestinal mucosa

79. Not cause chronic hepatitis:

HEV

80. One of the following is INCORRECT about cl. Perferinges

_intoxication food poisoning ✓

81. One of the following is INCORRECT about shigella:

_it is zoonotic infection ✓

82. The wrong statement about Schistosoma mansoni:

-No migration to lung ★

-Mating in the hepato-portal circulation

-Katayama syndrome

Pharmacology

Dr. Romany 10Qs

83. Each of the following drugs is paired with a probable adverse effect EXCEPT:

Sodium bicarbonate: systemic alkalosis

Calcium carbonate: Milk alkali Syndrome

Magnesium hydroxide : constipation ★

Aluminum hydroxide : Hypophosphatemia

Cimetidine : Hepatic microsomal enzyme inhibitors

84. All of the following with regards to laxatives are correct with the exception of:

-Castor Oil is given on empty stomach in the morning

-Bisacodyl tablets usually work within 4 hours

-Liquid paraffin is a lubricant purgative suitable for chronic constipation

-Docusate is commonly used for treatment and prevention of constipation in hospitalized patients

-Methyl cellulose is a bulk forming agent used in diverticulosis, hemorrhoids and irritable bowel syndrome

85. **Bisacodyl frequently can cause**

Abdominal cramps

Constipation

Skin rash

Dizziness

Nausea

86. **A 35 year old lady on anticancer therapy suffering from nausea and vomiting; which one of the followings is having most effective antiemetic action in this case?**

Apomorphine

Levodopa

Dexamethasone

Sucralfate

Omeprazole

87. **Institution of oral rehydration therapy has the following beneficial effect in diarrhea:**

Stops further diarrhea

Restores hydration and electrolyte balance without affecting diarrhea

Hastens clearance of the enteropathogen

Obviates the need for specific antimicrobial therapy

All choices are correct

88. **A child ingested an overdose of paracetamol, Which ONE of the following clinical manifestations is most likely to appear early after ingestion**

Right upper quadrant abdominal pain

Jaundice

Anorexia, nausea and vomiting

Confusion

Convulsions

89. **ONE of the followings concerning therapy of peptic ulcer is INCORRECT**

-Pirenzepine, a selective M1 receptor antagonist, less effective than H2 antagonists

-Misoprostol is contraindicated during pregnancy

-Sucralfate has an antacid activity

-H₂ receptor antagonists are particularly effective against nocturnal acid secretion

Nizatidine has nearly 100 % oral bioavailability

90. **in a case of paracetamol-induced hepatotoxicity, the specific antidote is :**

Aprepitant

Octreotide

Polyethylene glycol

N-acetylcysteine

Carbenoxolone

91. **ONE of the following statements is INCORRECT regarding misoprostol**

It has no effect on acid secretion

It is not a component of triple therapy of H pylori

It increases mucus production and bicarbonate secretion

May cause diarrhea

It significantly increase gastric mucosal blood flow

92. **With reference to drug treatment of GIT disorders, ONE of the following is INCORRECT**

Omeprazole decrease the effectiveness of the antiplatelet clopidogrel

The only FDA-approved drug for treating nausea and vomiting in pregnancy is doxylamine/pyridoxine

All cases of watery diarrhea necessitate antimicrobial agents

Psychotropic drugs are known to cause cholestasis

Milk of magnesia is a saline purgative for constipation relief ■ ↘

Public Health

Dr.Moa'awea 3Qs

93. **False statement about HAV:**

Can cause chronic hepatitis

94. **True about colorectal cancer in Jordan :**

The third common cancer in Jordanian females

95% True about CRC:

The incidence rate is about 55% in developed countries

"الحمد لله الذي هدانا لهذا وما كنا لنهتدي لولا أن هدانا"

Sorry for any mistake

Good luck 



GLORIANS TEAM