

Dr 2017

1- Bacillus cereus (vomiting type) is acquired by contaminated:-

- A- Honey** **b- rice and cereals** **c- meat**

a-it is gram negative, aerobic b-infant botulism is caused by honey

c-Irreversibly binding to presynaptic nerve terminals

a-shigella with toilet b-bacillus cereus with cereals

c-clostridium difficile with honey

a-all are aerobic
b-all produce endotoxins
c-all related to GI
d-all ferment lactose
e-all produce enterotoxin

- a- Bacteriodes are the primary faeces inhabitant shortly after birth
- b- Microbiome dysbiosis have been found to increase susceptibility of disease
- c- Microbiome increases when going down in the GI
- d- Microbiome in oral nasal skin and conjunctiva are constantly distributed

a-EAEC	B-EPEC	
C- O157:H7	D-O157:HNM	E-ETEC

HISTOLOGY

7-all of the following have simple columnar with goblet except

- | | |
|---------|----------------|
| a-ileum | b-gall bladder |
| c-colon | d-jejunum |

8-structure which is not found in villi

- | | |
|----------------|-----------------|
| A-paneth cells | B-smooth muscle |
| C-Lacteals | D-Blood vessels |

9-wrong about histology of the stomach

- | | |
|---|-----------------------------|
| a-body has short and wide pits | b-cardia has parietal cells |
| c-pylori has chief cells but not parietal | |

PHYSIOLOGY

10-an error in Na^+/K^+ pump will affect the absorption of all except

- | | |
|------------|----------------------|
| a-glucose | b- fructose |
| c-proteins | d-salivary secretion |
| e-vit D | |

11-chose the right sentence about leptin

- a-increasing leptin will induce feeding centers to stop eating
- b-gene OB defect will produce nonfunctional leptin leading to obesity
- c-it is high in thin people

12-which of the following doesn't affect blood flow to GI

- | | |
|-----------------------|------------------------------------|
| a-hormonal regulation | b-interstitial cells of CAJAL |
| c-ANS | d-stimulations of secretory glands |

13-true about defecation

- A voluntary control is ensured by external anal sphincter
- B generate motor activities which present all the day
- C defecation reflex is under sympathetic nervous system
- D appears as series of voluntary reflexes

14-decreases GI transit

- a-muscarinic receptors
- b-VIP
- c- cellulose
- d-lactase deficiency

15-wrong about RQ

- a-RQ of glucose is greater than other sources
- b-increases in diabetic crises
- c-RQ decreases after 4 weeks of starvation

16-A drug acts to inhibit activity of lipase, could result in ?

- a-Steatorrhea
- b-more formation of chylomicron
- c-vit B12 deficiency

17-sth inhibits HCL secretion

- a-somatostatin
- b-Histamine
- c- G cells

18- Which of the following is right regarding salivary secretion

- A it's regulated by hormones from enteric nervous system along GI tract
- B at high rate of stimulation, it contains lower CL- concentration than primary saliva

19- Which of the following is wrong regarding the contraction in the small intestine

- A tonic contraction occurs due to activity of cajal cells
- B segmentation and mass movement both helps in caudal movement
- C segmentation is set by basic electrical rhythm

20- Which of the following is true regarding protein digestion

- A brush border digestion is the final step of digestion
- B optimal activity of pancreatic enzymes is at high PH
- C pancreatic proteolytic enzymes are secreted in the active form

21- True about pancreatic secretion

- a-Pancreatic polypeptide inhibits the release of enzymes
- b-trypsin is released in the active form
- c- enterokinase is important for activation of amylase

22- wrong about CCK hormone

- a-causes relaxation of sphincter of ODDI
- b-increases pancreatic secretion
- c-acts on duct cells of pancreas to increase their secretion
- d-increases tone of pyloric sphincter

ANATOMY

23- wrong about anterior abdominal wall:

- a-innervation to skin above symphysis pubis by ilioinguinal nerve
- b-below arcuate line, posterior wall of rectus sheath is formed by transverses abdominis fascia

24- portal vein drains all the following except :_

- a- Kidney
- b- esophagus
- c-liver

25- during surgery, you found that the stomach is attached to posterior abdominal wall, which of the following will not be affected during working with posterior side of the stomach (less care about it during surgery):

- a spleen
- b pancreas
- c left kidney
- d left suprarenal gland
- e IVC

26- if we have a rupture in the penile urethra, the urine will reach all except

- a thigh to the attachment of fascia late b penis
- c scrotum (colles facia) d goes upward above umbilicus

27- a male patient (24 years Old) had a hernia which of the following is wrong related to hernia

- a- division of ilioinguinal nerve can lead to direct hernia
- b- Division of genital branch of genitofemoral nerve will affect cremasteric muscle
- c-aponeurosis of external oblique forms external spermatic fascia
- d-Deep inguinal ring is reinforced by conjoint tendon

28- when the facial nerve is damaged, which of the following is useless test in diagnosing

- a-closing eyes b-showing teeth
- c-whistling d-clenching teeth firmly

29- structure not posterior to duodenum

- A-hepatic artery B-IVC C-Common bile duct
- D-Portal vein E-Gastrodeudenal artery

30- when holding the free edge of free omentum by a clamp, which is not affected

- a-IVC b-bile duct
- c-portal vein d-blood flow to stomach

31- how to test the function of right hypoglossal nerve

- a-intrinsic muscles of the tongue b-genioglossus
- c-palatglossus

32- wrong about abdimon

A-ligamentum teres represents obliterated left umbilical vein

B-fundus of gall bladder is opposite to 9th costal cartilage

c-left lateral paracolic gutter communicates with left subdiaphragmatic space

33- wrong about pancreas

a-anteriot border is covered by lesser sac

b-posterior border is covered by greater sac

34- Wrong about the pharynx:

A-Oropharyngeal part is supplied by vagus nerve

B-Nasopharynx is supplied by maxillary nerve

C-senory of Laryngiophatynx is nerve between middle and inferior constrictor muscles

35- A man has portal hypertension what is wrong

a-Can have hemorrhoids

b-hematemesis in these patients is caused by esophageal varices

c-para umbilical make anastomosis with epigastric

d-anastomoses of right gastric with tributaries of azygous veins occurs at the lower part of esophagus

36- important in drainage of pyloroplasty of stomach

a-anterior and posterior laterjet nerves

b-anterior vagal trunk

c-celiac branch of vagus

d-sympathetic branch of celiac

37- wrong about greater omentum

a-contains greater sac Between the 2 layers of greater omentum

B-called police man

c-contains two gastroepiploic vessels

PATHO

38- 35 Patient years old with chronic diarrhea and turned out he doesn't have villi, but he was positive for endomysial antibodies what is his treatment?

- a-antibiotics
- b-Gluten free diet
- c-iron supplements
- d-corticosteroids

39- Complication of long standing GERD

- a- barret esophagus
- b-Squamous cell carcinoma
- c-immunocompromised pateints

40-H pylori is associated with all except

- a-MAToma
- b-chronic gastritis
- c-peptic ulcers
- d-pernicious anemia

41- punched out 3 ulcers and odynophagia in HIV patient is caused by

- A-Candida
- b-HSP
- c-chemical esophagitis
- d eosonophillic esophagitis

42- Associated with Inflammatory Ulcerative colitis

- a-stricture
- b-perianal fistula
- c-primary sclerosing cholangitis
- d-granulomas

43- HNPCC sth true about it

- a-Caused by mutations in mismatch repair genes
- b-mucocutaneous hyperpigmentation.
- c-mutation in APC tumor suppressor gene.

44- Which of the following is true about signet ring cell carcinoma

- A- E cadherin
- B – risk increases with peptic ulcer disease
- C- bulky mass

45- carcinoma in middle part of esophagus is caused by

a-Chronic use of alchahol

b-Chronic gerd

c-low fiber

d-mallory-weiss

46- in FAS which is true?

A-Will develop adenocarcinoma 100%

B-TP53 is the cause of FAS

C-Autosomal recessive

d-microsatellite instability

47-colonic polyps show dysplasia and considered precursor of colonic adeno carcinoma

a-juvenile polyps

b-hyperplastic polyp

c-colonic adenoma

c- peutz-jeghers poylps

ANSWERS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B	A	C	B	A	C	B	A	C	E	B	B	A	B	B

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
A	A	B	A	B	A	C	B	C	A	D	D	D	A	D

31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
B	C	B	A	D(LEFT)	A	A	B	A	D	B	C	A	A	A

46	47
A	C