

DM Castro

Test Booklet Serial No.....

Series No. :

Number of Questions : 120

Time Allowed : 2 hours

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1. In patients with acute diarrhea, use of antibiotics is not recommended in infection due to :-
 - (A) Shigella
 - (B) Enterotoxigenic E coli
 - (C) Traveller's diarrhea
 - (D) Amoebic colitis

2. The small intestinal mucosa has how many layer (s) of the epithelium cells ?
 - (A) One
 - (B) Two
 - (C) Three
 - (D) More than three

3. Which of the following HCV genotype is difficult to treat ?
 - (A) Genotype 1 and 4
 - (B) Genotype 2 and 3
 - (C) Genotype 1 and 2
 - (D) Genotype 1 and 3

4. All of the following are the histological features of primary biliary cirrhosis, except :-
 - (A) Destruction of medium and small bile ducts
 - (B) Peri-ductal granuloma
 - (C) Decrease in interlobular ducts
 - (D) Bile lakes

5. Which of the following is false about Mirizzi's syndrome ?
- (A) Jaundice is common
 - (B) Stone is impacted at neck of gall bladder
 - (C) On ultrasound, the CBD is dilated till lower end
 - (D) It is an uncommon complication of gallstones
6. A 25 years lady was earlier diagnosed to have Crohn's disease. She reported back with a positive pregnancy test. Which of the following drug, the physician will not prescribe ?
- (A) Azathioprine
 - (B) Methotrexate
 - (C) Sulphasalazine
 - (D) Prednisolone
7. Which of the following statements regarding Angio Ectasia (AE) are true ?
- (A) It is the most common cause of recurrent lower GI bleed in patients > 60 years
 - (B) Most common site of AE is caecum and ascending colon
 - (C) Size of AE is usually < 10 mm
 - (D) All of the above
8. Which of the angiographic signs does not suggest the diagnosis of colonic Angio Ectasia (AE) :-
- (A) A slowly emptying, dilated tortuous vein
 - (B) Persistent caliber artery
 - (C) Early filling vein
 - (D) Vascular tuft

9. Which of the following conditions can be a presentation of CMV infection in HIV positive patients ?
- (A) Papillary stenosis
 - (B) Colonic perforation
 - (C) Cholecystitis
 - (D) All of the above
10. Which of the following statements regarding squamous cell carcinoma of the Anal canal is TRUE ?
- (A) Frequency is higher in homosexual men
 - (B) Causative agent is Human papilloma Virus (HPV)
 - (C) Cytological smear of anal canal can be used as a screening test
 - (D) All of the above
11. Which of the following disease is characterized by recurrent oral ulcerations ?
- (A) Behcet's disease
 - (B) Systemic lupus erythematosus
 - (C) Celiac disease
 - (D) All of the above
12. Which of the following is not a characteristic feature of Abetalipoproteinemia ?
- (A) Steatorrhea
 - (B) Xanthelasma
 - (C) Ataxia
 - (D) Acanthotic erythrocytes

13. Which of the following statements is TRUE regarding abdominal migraine ?
- (A) Characterized by recurrent episode of abdominal pain and vomiting
 - (B) More common in children than adults
 - (C) Headache may be absent
 - (D) All of the above
14. Which of the following statements regarding GI Mycobacterium avium intracellulare (GI MAC) infection of the small intestine is TRUE :-
- (A) GI MAC infection of the small intestine is largely asymptomatic
 - (B) Endoscopic biopsy of the duodenum is the best way to make the diagnosis
 - (C) Acid fast stain large number of bacilli in the host macrophages in the lamina propria
 - (D) All of the above
15. Which of the following tests can be used to make diagnosis of intestinal MAC infection in AIDS ?
- (A) Duodenal biopsy with Acid Fast staining
 - (B) Blood culture
 - (C) Fecal exam by acid fast staining
 - (D) All of the above
16. Which of the following statements are true regarding CMV enteric infection in immune compromised host ?
- (A) The commonest presentation is abdominal pain with chronic diarrhea
 - (B) Endoscopic hallmark of CMV infection is sub – epithelial hemorrhages and mucosal ulceration
 - (C) Demonstration of viral inclusion bodies in biopsy specimen is diagnostic of CMV infection
 - (D) All of the above

17. Which of the following statements are true regarding GI involvement in Progressive systemic sclerosis ?
- (A) Esophageal involvement is seen in 20% of these with severe cutaneous involvement
 - (B) Esophagageal stricture characteristically occur in the upper 1/3 of the esophagus
 - (C) Malabsorption and steatorrhea is present upto 1/3 of patients
 - (D) All of the above
18. Which of the following statements regarding GI and liver manifestations of Polyarteritis Nodosa (PAN) is TRUE ?
- (A) The most common GI manifestation of PAN is abdominal pain
 - (B) Prevalence of HBsAG positivity in PAN ranges between 10-30%
 - (C) Characteristic feature of PAN is the finding of aneurysmal dilatation upto 10 mm on visceral angiography
 - (D) All of the above
19. Which of the following statements regarding opportunistic infections (OI) of the liver in AIDS is TRUE ?
- (A) MAC is the commonest OI of liver in developing countries
 - (B) Commonest cause of non caseating granuloma in liver biopsy of patients with AIDS in the West is CMV infection
 - (C) Toxoplasma gondii prophylaxis should be started when CD4 count below 350
 - (D) Cryptosporidial infection of the bile duct can mimic primary sclerosing cholangitis

20. Sites of Amyloid deposition in the liver is/are :-
- (A) Space of disse
 - (B) Portal tracts
 - (C) Hepatic artery branches
 - (D) All of the above
21. Hepatic granuloma may be found in which of the following conditions :-
- (A) Sarcoidosis
 - (B) Celiac disease
 - (C) Behcet's disease
 - (D) All of the above
22. Which of the following is NOT a clinical presentation of Hepatic Sarcoidosis ?
- (A) Incidental detection of granuloma on liver biopsy with raised serum alkaline phosphates
 - (B) Severe intrahepatic cholestasis
 - (C) Cirrhosis with portal hypertension
 - (D) None of the above
23. A 40 years old male had with ascites for 2 years and had an episode of UGI bleeding about 2 months back. At the time of presentation to the hospital, he had massive ascites. He was conscious and oriented. His investigations revealed : S bilirubin 1 mg/dL, ALT 75U/dL, serum albumin 2.8mg/dL, prothrombin time 21 sec (control 12 sec). What is the Child Pugh score in this patient ?
- (A) 5
 - (B) 8
 - (C) 11
 - (D) 14

24. Which of the following is the goal of treatment of achalasia ?
- (A) Improvement in the esophageal peristalsis
 - (B) Improvement of the lower esophageal sphincter relaxation in response to swallowing
 - (C) Reduction of resting lower esophageal sphincter pressure
 - (D) Reduction in esophageal body diameter
25. Which of the following neurotransmitter is deficient in patients with achalasia ?
- (A) Acetylcholine
 - (B) Nitric oxide
 - (C) Substance P
 - (D) Motilin
26. A 40 years old male was having recurrent biliary colic and was found to have gallstones. His liver function test showed mild conjugated hyperbiliruminemia, a normal ALT, AST and alkaline phosphatase. He was taken for laparoscopic cholecystectomy. At laparoscopy, the surgeon noticed that the liver was brownish in color. A diagnosis came to his mind ? What diagnosis came to his mind ?
- (A) Dubin Johnson syndrome
 - (B) Rotor syndrome
 - (C) Criggler Najjar syndrome Type 2
 - (D) Gilbert's syndrome
27. Which of the following is incorrect about the genome of Hepatitis C Virus ?
- (A) The HCV virus is a capsulated virus
 - (B) The genome is single stranded
 - (C) The genome is circular
 - (D) The HCV genome has 9400 nucleotides

28. Knodell score is used for assessment of histological activity of which of the following diseases ?
- (A) Histological activity of ulcerative colitis
 - (B) Histological activity of Crohn's disease
 - (C) Histological activity of chronic hepatitis
 - (D) Histological activity of chronic gastritis
29. Which of the following is the most appropriate test for detection of hepatocellular carcinoma ?
- (A) Ultrasound of the abdomen
 - (B) Triplephase CECT
 - (C) T_c⁹⁹ Scan
 - (D) Alpha fetoprotein
30. All of the following are risk factor for formation of pigment stone EXCEPT :-
- (A) CYP7A 1 gene mutation
 - (B) Chronic hemolysis
 - (C) Alcoholic cirrhosis
 - (D) Cystic fibrosis
31. Which of the following is the defining criteria for severe acute pancreatitis ?
- (A) Organ failure
 - (B) CT severity index > 8
 - (C) CT severity index > 6
 - (D) CT severity index = 10

32. A 40 years old male was diagnosed to have pulmonary tuberculosis and was put on anti-tuberculous drugs, after four weeks of institution of anti-tuberculous drugs, he developed vomiting and jaundice. Liver function showed Serum bilirubin 8 mg/dL, ALT 210 U/dL, serum albumin 3.9 g/dL, prothrombin time 21 sec (control 14 sec). Ultrasound revealed normal echotexture of the liver and viral markers were negative. You will like to do all of the following EXCEPT :-
- (A) Stop hepatotoxic anti-tuberculous drugs
 - (B) Infuse fresh frozen plasma
 - (C) Advice normal diet
 - (D) Advice rest
33. The diameter of ileum of a healthy volunteer on enteroclysis is :-
- (A) 1.5 cm
 - (B) 2.5 cm
 - (C) 3.5 cm
 - (D) 4.5 cm
34. All of the following cells have regenerative capacity, EXCEPT :-
- (A) Bone marrow cells
 - (B) Cells at the intestinal crypts
 - (C) Cells at the intestinal villous tip
 - (D) Megakaryocytes
35. Which one of the following is the function of nucleotide binding oligomerization domain 2 (NOD2) gene product ?
- (A) The protein is involved in the recruitment of T cells
 - (B) The protein helps in the recruitment of macrophages and helps in formation of granuloma
 - (C) The protein helps in the cell division
 - (D) The protein is a sensor for the bacteria

36. A 60 years old male with progressive systemic sclerosis complained of worsening bloating. The glucose hydrogen breath test confirmed presence of small intestinal bacterial overgrowth. His symptoms improved with antibiotics. What is the likely root cause of his symptoms ?
- (A) Absent colonic high amplitude propagating contractions
 - (B) Decreased lower esophageal sphincter pressure
 - (C) Increased function of the intestinal interstitial cells of Cajal
 - (D) Absent migrating motor complexes
37. Following acute HCV infection, the spontaneous clearance of the HCV have been found to be associated with all of the following EXCEPT :-
- (A) Younger age at infection
 - (B) Icteric hepatitis
 - (C) IL 28 B polymorphism
 - (D) Community acquired acute HCV infection
38. Forest plot is associated with :-
- (A) Met-analysis
 - (B) Randomized controlled trial
 - (C) Case control study
 - (D) Cohort study
39. Which of the following is false ?
- (A) Sensitivity means true positive
 - (B) Specificity means false negative
 - (C) Chi Square test is used for analysis of Quantitative data
 - (D) Chi Square test uses 2×2 table

40. All of the following are associated with Innate immune response, EXCEPT :-
- (A) Epithelial cells
 - (B) Macrophages
 - (C) Natural killer cells
 - (D) Lymphocytes
41. Which of the following therapies used for IBD have been associated with development of Hepatosplenic T cell lymphoma (HSTCL) ?
- (A) Steroids
 - (B) Cyclosporine
 - (C) Tacrolimus
 - (D) Azathioprine with Infliximab
42. Which of the following is true regarding cell cycle ?
- (A) DNA replication occurs in M phase
 - (B) Cell division occurs in G 1 phase
 - (C) Cytoplasmic division occurs in M Phase
 - (D) M Phase is the longest part of cell cycle
43. All of the following are associated with apoptosis, EXCEPT :-
- (A) Caspases
 - (B) BCL 2
 - (C) Cytochrome C
 - (D) Zonulin

44. A 40 years old person suffering from hemochromatosis, undergoes regular phlebotomies. Once we remove 300 mL of blood, how much iron is removed from the body ?
- (A) 50-70 mg
 - (B) 100-150 mg
 - (C) 200-300 mg
 - (D) 300-400 mg
45. A 60 years male patient presented with obstructive jaundice due to periampullary carcinoma. The serum bilirubin was 30 mg/dL. The tumor was resectable and as part of pre-operative biliary drainage, a 10 F and 10 cm plastic stent was place in the CBD. What was the internal diameter of the plastic stent which was deployed ?
- (A) 3 mm
 - (B) 5 mm
 - (C) 7 mm
 - (D) 10 mm
46. All of the following is required for effective defecation, EXCEPT :-
- (A) Increase in intrarectal pressure
 - (B) Contraction of puborectalis
 - (C) Relaxation of external anal sphincter
 - (D) Relaxation of internal anal sphincter

47. A 46 years old male presented with symptoms of constipation for 20 years. He passes stool every day but complains of persistent desire to pass stool. He did not have much of abdominal pain. He also complains of incomplete evacuation. There was no weight loss or gastrointestinal bleeding. Which of the following is the most likely diagnosis in this patient ?
- (A) Slow transit constipation
 - (B) Pelvic floor dyssynergia
 - (C) Irritable bowel syndrome
 - (D) Solitary rectal ulcer syndrome
48. Bocepravir, a new class of drug, has recently approved recently in the treatment of Hepatitis C Virus infection Protease inhibitor. Bocepravir act by inhibiting which of the following part of HCV ?
- (A) Core region
 - (B) NS3 region
 - (C) NS5- A region
 - (D) NS5- B region
49. Single nucleotide polymorphisms (SNP) is associated with disease or therapeutic response. The SNP is :-
- (A) Single base change in a DNA sequence that occurs inn >1% of the population
 - (B) Single base change in a DNA sequence that occurs inn <1% of the population
 - (C) Any change of DNA sequence in population
 - (D) Same as mutation

50. Biofeedback is effective in which of the following condition ?
- (A) Fecal incontinence
 - (B) Achalasia cardia
 - (C) Intestinal pseudo-obstruction
 - (D) Hirshprung's disease
51. Which of the following is false ?
- (A) Approx. 0.5g of bile acid is synthesized per day
 - (B) The bile acid pool in humans is 4g
 - (C) The bile loss in stool per day is about 4g/day
 - (D) The entero-hepatic circulation of pool of bile occurs 6-8 times per day
52. A 20 years young boy with severe mitral stenosis presents abdominal pain. He was advised a diagnostic endoscopy. You will do which of the following ?
- (A) Prophylactic antibiotic : Amoxycillin
 - (B) Prophylactic antibiotic : Metronidazole
 - (C) Prophylactic antibiotic : Ceftriaxone
 - (D) No prophylactic antibiotic
53. Which of the following is false for cricopharyngeal bar ?
- (A) It is because of fibrosis of circopharyngeus muscle
 - (B) Cricopharyngeal myotomy is the usual treatment
 - (C) The bar is seen anteriorly on the barium swallow(lateral view)
 - (D) They may present with dysphagia

54. A 40 years old lady presents with feeling of lump in the throat. She did not have dysphagia. She was diagnosed to have globus pharyngeus. She underwent a barium swallow which showed :
- (A) Dilatation of upper esophagus
 - (B) Narrowing of upper esophagus
 - (C) Delayed peristalsis
 - (D) Normal study
55. On a routine physical exam, a 37 year old man is found to have a hematocrit of 32, an MCV of 75 and an iron saturation of 5%. He has no GI complaints and has never seen any blood in his stool or black stools. He denies ingesting aspirin or NSAID's. On physical exam he has a scaly, erythematous rash around his eyebrows which he has had for many years and which has been diagnosed as seborrheic dermatitis. An upper endoscopy and colonoscopy are completely normal. Small bowel video capsule was ordered. Which lesion is more likely to be present in the small bowel of this patient than in a healthy 70 year old man ?
- (A) Angiectasia
 - (B) Small bowel tumor
 - (C) Celiac sprune
 - (D) NSAID enteropathy
56. Presence of Mallory hyaline bodies in liver biopsy which of following is most likely :
- (A) Is taking amiodarone for cardiac rhythm disturbances
 - (B) Is taking anabolic steroids for muscle building
 - (C) Is a woman with intense itching
 - (D) Has chronic obstructive lung disease

57. 45 years old female nurse with 2 weeks of nonbloody diarrhea. The next appropriate test would be :
- (A) Colonoscopy
 - (B) Stool for *Clostridium difficile* and metronidazole 500 mg po qid for 14 days if positive
 - (C) EGD with duodenal aspirate
 - (D) Stool leukocytes
58. Elderly gentlemen with Barrett's esophagus without dysplasia. Recommendations include :
- (A) Endoscopic surveillance in 1 year
 - (B) Daily proton pump inhibitor to control heartburn symptoms
 - (C) Anti-reflux surgery to reduce the risk of esophageal cancer and control symptoms
 - (D) Endoscopic ablation to prevent esophageal cancer
59. Young man presents with coffee-ground emesis. He is hemodynamically stable and Hb is 10.1 gm/dl. An endoscopy revealed a clean based 2 cm gastric ulcer. The patient should be managed with :
- (A) Injection therapy and electrocautery
 - (B) Oral proton pump inhibitors and outpatient follow up with a repeat endoscopy in 3 months
 - (C) Antibiotics for 10 days for presumed. *H. pylori* infection
 - (D) Hospital admission for observation due to the risk of re-bleeding

60. 64 years old female with long standing Crohn's disease experiences a recurrence of her symptoms several years after a long remission. Which of the following is the best first step :
- (A) Search for enteric infections, including *C. difficile*
 - (B) Serum gastrin level
 - (C) Long term 5-aminosalicylic acid to induce and maintain her in remission
 - (D) 6 mercaptopurine (6-MP) or azathioprine
61. A 56 year old male presents with upper abdominal pain. Endoscopy reveals numerous gastric and duodenal ulcers. Patient denies NSAID use. A gastrin level is checked and is 2000 pg/ml. Which of the following is the next best step in management ?
- (A) *H. pylori* treatment
 - (B) Gluten free diet
 - (C) Octreotide scan
 - (D) Sucral fate
62. Which of following is true about hepatic veins ?
- (A) In 80 % of person right and middle hepatic veins join before entering vena cave
 - (B) In 80% of person left and middle hepatic veins join before entering vena cava
 - (C) In 80% of person right and left hepatic veins join before entering vena cava
 - (D) In 80% of person all hepatic veins open separately in vena cava

63. Decreased hepcidin level is associated with all EXCEPT :
- (A) Diminished macrophage iron stores
 - (B) Increased duodenal iron absorption
 - (C) Loss of functional HFE protein
 - (D) Reduced iron release from macrophages
64. Most common genotype of hepatitis B in India is :-
- (A) Genotype A
 - (B) Genotype B
 - (C) Genotype D
 - (D) Genotype E
65. Fibrosing cholestatic hepatitis following liver transplantation for hepatitis B is reported in :-
- (A) 20%
 - (B) 30%
 - (C) 10%
 - (D) 25%
66. A 25-year-old female presents for follow-up. She has a 6-year history of Crohn's disease for which she is currently being managed with anti-TNF therapy. Which of the following is not a health maintenance recommendation for this patient ?
- (A) Zoster vaccine
 - (B) Pneumococcal vaccine
 - (C) HPV vaccine
 - (D) Hepatitis B vaccine

67. 40-year-old male with cryptogenic cirrhosis is being evaluated for liver transplantation. He has developed worsening ascites and marked lower extremity edema despite sodium restriction and maximum dose of diuretics. Triple-phase abdominal CT scan was unremarkable. Doppler cardiac echography reveals pulmonary hypertension. MELD (model for end-stage liver disease) score is 23. Which of the following is the most appropriate next step ?
- (A) Increase diuretics, follow-up closely, and perform a repeat Doppler cardiac echogram
 - (B) List for liver transplant
 - (C) Right heart catheterization
 - (D) Coronary angiography
68. Pharmacological treatment of acute variceal bleeding. Which intravenously administered drug has been shown to have a mortality benefit in comparison with a placebo ?
- (A) Vasopressin
 - (B) Somatostatin
 - (C) Octreotide
 - (D) Terlipressin
69. Regarding hepatitis B infection which of following is not correct ?
- (A) HBs Ag positive with normal liver enzymes suggests a healthy carrier
 - (B) IgM anti-HBc is used to identify chronic hepatitis
 - (C) Anti-HBs implies prior infection and immunity
 - (D) HBV DNA positive pre-transplantation may be followed by severe recurrent disease

70. Which is the BEST marker of liver function in acute liver failure ?
- (A) Prothrombin time
 - (B) Serum Albumin
 - (C) Serum ammonia
 - (D) Serum bilirubin
71. Which of the following is not found in acute liver failure ?
- (A) Raised ALT
 - (B) Jaundice
 - (C) Encephalopathy
 - (D) Centrilobular or panacinar necrosis
72. Following is true for gastrointestinal bleeding :
- (A) Oesophageal balloon should be inflated first in a Sengstaken tube
 - (B) Somatostatin decreased mortality
 - (C) Colonic angiodysplasia is a rare cause of lower GI bleeding in the elderly
 - (D) Complications commonly occur in endoscopic sclerotherapy
73. In acute liver failure which one of the following is TRUE ?
- (A) Cerebral oedema is an unusual cause of death
 - (B) Late administration of glutathione is unwarranted in paracetamol induced hepatic failure
 - (C) INR is a sensitive index of liver function
 - (D) Renal failure rarely occurs in paracetamol induced hepatic encephalopathy

74. As per AASLD guidelines for treatment of HCV (2014) recommendations for treatment of HCV, genotype 3 includes all EXCEPT :-
- (A) Sofosbuvir + Ribavirin x 24 weeks
 - (B) Sofosbuvir + Pegylated interferon/Ribavirin x 12 weeks
 - (C) Pegylated interferon/Ribavirin x 24 weeks
 - (D) None of the above
75. Intraparenchymal fluid collections due to pancreatitis within 4 weeks are called :-
- (A) Pancreatic pseudocyst
 - (B) Peripancreatic fluid collection
 - (C) Acute necrotic collection
 - (D) Pancreatic abscess
76. Which of following is not correct regarding choledochal cyst ?
- (A) Risk of cholangiocarcinoma is increased
 - (B) Diagnosis is made by ultrasound abdomen, MRI and ERCP
 - (C) 50% present with triad of pain. Jaundice and abdominal mass
 - (D) Treatment is surgical excision
77. Which of the following is not true regarding blood supply of pancreas ?
- (A) Pancreas receives blood supply from coeliac trunk superior mesenteric artery
 - (B) Body and tail of pancreas is supplied by Splenic artery
 - (C) Posterior superior pancreaticoduodenal artery is a branch of Superior mesenteric artery
 - (D) All major pancreatic arteries lie posterior to pancreatic ducts

78. Which of the following hormones is not released in duodenum ?
- (A) Gastrin
 - (B) Motilin
 - (C) Somato statin
 - (D) Peptide YY
79. Which of the following is not reported in Carcinoma pancreas ?
- (A) Activation of Kras oncogene
 - (b) Mutation of p53 oncogene
 - (C) BRCA 2 mutation
 - (D) Under expression of EGFR receptors
80. False about Intrapapillary mucinous neoplasm of pancreas is :-
- (A) It is more common in the head of pancreas
 - (B) Diagnosis is made when mucus is seen extruding through the papillary orifice
 - (C) Columnar epithelium lines the walls and form papillary projections
 - (D) They don't follow adenoma carcinoma sequence
81. Which is false regarding Haemangioma of liver ?
- (A) It is a rare tumor
 - (B) It is highly vascular
 - (C) It involves both lobes of the liver
 - (D) In 50% cases it has extrahepatic spread

82. Which is not a paraneoplastic syndrome for Hepatocellular carcinoma ?
- (A) Hypercalcemia
 - (B) Hypoglycemia
 - (C) Erythrocytosis
 - (D) Hyperglycemia
83. Which of the following is false regarding patient selection in Transarterial chemoembolization (TACE) for hepatocellular carcinoma ?
- (A) HCC is more responsive to TACE
 - (B) TACE can be safely given in decompensated liver disease
 - (C) Patency of portal vein should be established prior to TACE
 - (D) Renal functions should be evaluated while instituting TACE
84. Which of the following statement is true for epiphrenic diverticulum ?
- (A) Surgery or Endoscopic Intervention is required in almost all cases at detection
 - (B) Most of these diverticulum of esophagus are primary
 - (C) Most of the epiphrenic diverticula are on the right
 - (D) These are also known as traction or mid esophageal diverticula
85. What is not true regarding Cholangiocarcinoma ?
- (A) Intrahepatic cholangiocarcinoma is the least common type anatomically
 - (B) Primary resection is the main treatment
 - (C) Liver Transplant is the main treatment
 - (D) A multidisciplinary team should evaluate and manage all patients of cholangiocarcinoma

86. Which of the following statement is false regarding Barrett's esophagus ?
- (A) Barrett's mucosa predisposes to Squamous cell carcinoma of esophagus
 - (B) Risk of Cancer is 0.5% per year
 - (C) Prevalence in West is 2-7%
 - (D) Intestinal type of mucosa with goblet cells is the most common histopathological finding
87. Most common site of gastric ulcer is :-
- (A) Incisura
 - (B) Greater curvature stomach
 - (C) Fundus of stomach
 - (D) Antrum
88. Which of the following is not a sign of malignant ulcer on radiographic studies ?
- (A) Carmen sign
 - (B) Hampton's line
 - (C) Nodular gastric ulcer mound
 - (D) Abrupt transition between normal and abnormal mucosa several cms away from the ulcer crater
89. Most common extraintestinal manifestation of Crohn's disease of small intestine is :-
- (A) Ankylosing Spondylitis
 - (B) Erythema Nodosum
 - (C) Iritis
 - (D) Ureteral Obstruction

90. Which of the following is not true about Pneumatosis intestinalis of small intestine ?
- (A) It is seen equally and males and females
 - (B) Most common location is subserosa in the jejunum
 - (C) Operative Procedures are required in most of the cases
 - (D) It is associated with COPD and immunodeficiency states
91. Regarding IBD which is FALSE :-
- (A) Erythema nodosum tends to correlate well the activity of the underlying bowel disease
 - (B) UC commonly involves the colon but not the anus
 - (C) Smoking worsens Crohn's disease
 - (D) Nephrolithiasis occurs more commonly with UC
92. Which of the following is TRUE regarding Boerhaave's syndrome ?
- (A) Diagnosis and surgery within 48 hours has a survival rate of greater than 50%
 - (B) Barium oesophagram is an appropriate investigation
 - (C) Haematemesis is unusual
 - (D) 90% of erect chest x-rays are initially normal
93. What is not true about malrotation of the intestine ?
- (A) In Incomplete rotation the rotation is arrested at 180 degree
 - (B) The small intestine lies on the right with caecum in the midline
 - (C) Ladd's band extends from the Right upper quadrant to the caecum
 - (D) Hyperrotation is the most common form of intestinal malrotation

94. What is not true about the immune mechanism in the small intestine ?
- (A) Intestine contains more than 70% of IgA producing cells in the body
 - (B) IgA acts by activating the complement pathway
 - (C) IgA is produced by plasma cells in the lamina propria
 - (D) Approximately 60% of the lymphoid cells are T cells
95. False statement regarding endoscopic management of varices :-
- (A) All patients with cirrhosis should undergo screening endoscopy
 - (B) If no varices are found endoscopy should be done every 2-3 years
 - (C) Small varices on endoscopy warrant endoscopy every 2-3 years
 - (D) Varices with red colour sign should undergo EVL
96. Which is not true regarding physiology of portal hypertension ?
- (A) Both the portal blood flow as well as portal resistance increases
 - (B) There is extensive hyperdynamic circulation
 - (C) Blood flow towards the portal vein increases because the systemic venous pressure increase
 - (D) Splanchnic vasodilatation is caused by relaxation of splanchnic arterioles and splanchnic hyperemia
97. Statistical tool used to counteract problem of multiple comparisons is called :-
- (A) Kruskal wallis
 - (B) Bonferroni
 - (C) Cochran
 - (D) T test

98. Poor prognosis of pancreatic cancer is suggested by all EXCEPT :-
- (A) Tumor size > 2 cm
 - (B) > 2 units of blood transfusion during surgery
 - (C) Aneuploidy in tumor
 - (D) Location in head region
99. Patient with minimal hepatic encephalopathy treated with lactulose for 3 months. All of the following are true EXCEPT :-
- (A) Arterial ammonia decreases
 - (B) Decrease in serum endotoxin levels
 - (C) Increase in myoinositol on magnetic resonance spectroscopy
 - (D) Decrease in choline on magnetic resonance spectroscopy
100. Boundaries of gastrinoma triangle are all EXCEPT :-
- (A) Cystic duct & CBD junction
 - (B) Gall bladder & cystic duct junction
 - (C) Junction of Neck of pancreas & Head of Pancreas
 - (D) 2nd and 3rd part of duodenum
101. Sweat chloride levels are increased in all EXCEPT :-
- (A) Cystic fibrosis
 - (B) Hyperparathyroidism
 - (C) Hypothyroidism
 - (D) Malnutrition

102. Bile stained eggs are seen in :-

- (A) Taenia Solium
- (B) Taenia Saginata
- (C) H.nana
- (D) Ascaris

103. Intraepithelial lymphocytes in small intestine, all are true EXCEPT :-

- (A) >98% are T cell
- (B) Mostly are CD8+
- (C) Majority express $\gamma\delta$ TCR
- (D) Majority express $\alpha\beta$ TCR

104. All of the following are tumor suppressor genes EXCEPT :-

- (A) E-cadherin
- (B) B-catenin
- (C) APC
- (D) LKB1

105. All of the following are part of lean body mass except :-

- (A) Extracellular lean mass
- (B) Fat mass
- (C) Visceral mass
- (D) Muscle mass

106. Allergic eosinophilic esophagitis in children manifests more with all of the following EXCEPT :-

- (A) Vomiting
- (B) Irritability
- (C) Dysphagia
- (D) Early satiety

107. Most common inborn error of glycogen metabolism is :-

- (A) GSD type I
- (B) GSD type III
- (C) GSD type IV
- (D) GSD VI

108. Which of the following hepatobiliary disease is not specific for cystic fibrosis ?

- (A) Focal biliary cirrhosis with inspissation
- (B) Microgallbladder
- (C) Fatty liver
- (D) Mucocele

109. Which drug is implicated in drug induced granulomatous hepatitis ?

- (A) Pheylbutazone
- (B) Nitrofurantion
- (C) Isoniazid
- (D) Dantrolene

110. *Vibrio cholera* produce all of the following toxins EXCEPT :-
- (A) Enterotoxin
 - (B) Zona occludens toxin
 - (C) Channel like protein
 - (D) Zona adherens toxin
111. Which of following is not a cause of short bowel syndrome in adults ?
- (A) Chronic intestinal pseudoobstruction
 - (B) Midgut volvulus
 - (C) Jejunal atresia
 - (D) Radiation enteritis
112. Regarding SRUS (Solitary rectal ulcer syndrome) which of the following is correct :-
- (A) They are always single
 - (B) Always seen in rectum
 - (C) Presence of smooth muscle fiber in mucosa is hallmark of diagnosis
 - (D) Endorectal ultrasound not useful in distinguishing it from invasive malignancy
113. Sensitivity of rectal barostat is 95% in differentiating IBS from normal subjects at balloon pressure of :-
- (A) 20 mmHg
 - (B) 40 mmHg
 - (C) 35 mmHg
 - (D) 50 mmHg

114. Regarding gastroduodenal motility in patients with diabetes mellitus which of the following is NOT correct :-

- (A) Development of fasting like migrating motor complex in small intestine
- (B) Irregular contractility
- (C) Paucity of antral contractions
- (D) Tonic contractions at pylorus

115. Risk factors for small intestinal tumors include all of the following EXCEPT :-

- (A) Celiac disease
- (B) Crohn's disease
- (C) Ulcerative colitis
- (D) Peutz-jeghers syndrome

116. Which of the following is not a Non-neoplastic mucosal polyp :-

- (A) Hyperplastic polyp
- (B) Colitis cystica profunda
- (C) Peutz-jeghers polyp
- (D) Inflammatory polyp

117. Bethesda guidelines for testing colorectal tumors for microsatellite instability include all of the following EXCEPT :-

- (A) Person with cancer in families
- (B) Person with two HNPCC related cancers
- (C) Person with colorectal cancer diagnosed after age of 45 years
- (D) Person with colorectal adenomas diagnosed before age of 40 years

118. Risk factors for colorectal cancer include all of the following EXCEPT :-
- (A) Age >50 years
 - (B) High fat diet
 - (C) Low fiber diet
 - (D) Alcohol consumption
119. False positive slide guaiac test for fecal occult blood is seen in all of the following EXCEPT :-
- (A) Exogenous peroxidase activity
 - (B) Vitamin C ingestion
 - (C) Red meat
 - (D) Storage of slides for prolonged period
120. Successful spontaneous closure of gastrointestinal fistula is unlikely if :-
- (A) Output <500 ml/day
 - (B) Age <40 years
 - (C) Distal small bowel location
 - (D) Long fistulous tract



Space for Rough Work

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