

UpToDate topics for Gastroenterology Fellowship course

A- Esophageal disease

- 1- Approach to the evaluation of dysphagia in adults
- 2- Oropharyngeal dysphagia: Etiology and pathogenesis
- 3- Oropharyngeal dysphagia: Clinical features, diagnosis, and management
- 4- Swallowing disorders and aspiration in palliative care: Definition, pathophysiology, etiology, and consequences
- 5- Swallowing disorders and aspiration in palliative care: Assessment and strategies for management
- 6- Evaluation of the adult with chest pain of esophageal origin
- 7- Zenker's diverticulum
- 8- Overview of gastrointestinal motility testing
- 9- High resolution manometry
- 10- Functional lumen imaging probe (FLIP) for adults with esophageal disorders
- 11- Esophageal multichannel intraluminal impedance testing
- 12- Achalasia: Pathogenesis, clinical manifestations, and diagnosis
- 13- Overview of the treatment of achalasia
- 14- Pneumatic dilation and botulinum toxin injection for achalasia
- 15- Peroral endoscopic myotomy (POEM)
- 16- Surgical myotomy for achalasia
- 17- Distal esophageal spasm and hypercontractile esophagus.
- 18- Esophageal rings and webs
- 19- Clinical manifestations and diagnosis of eosinophilic esophagitis (EoE)
- 20- Treatment of eosinophilic esophagitis (EoE)
- 21- Ingested foreign bodies and food impactions in adults
- 22- Caustic esophageal injury in adults
- 23- Acute esophageal necrosis
- 24- Pill esophagitis
- 25- Esophageal candidiasis in adults
- 26- AIDS-related cytomegalovirus gastrointestinal disease
- 27- Evaluation of the patient with HIV, odynophagia, and dysphagia
- 28- Herpes simplex virus infection of the esophagus
- 29- Oropharyngeal candidiasis in adults
- 30- Clinical manifestations and diagnosis of gastroesophageal reflux in adults
- 31- Pathophysiology of reflux esophagitis
- 32- Helicobacter pylori and gastroesophageal reflux disease
- 33- Complications of gastroesophageal reflux in adults
- 34- Gastrointestinal manifestations of systemic sclerosis
- 35- Gastroesophageal reflux and asthma
- 36- Medical management of gastroesophageal reflux disease in adults

- 37- Proton pump inhibitors: Overview of use and adverse effects in the treatment of acid related disorders
- 38- Surgical treatment of gastroesophageal reflux in adults
- 39- Radiofrequency treatment for gastroesophageal reflux disease
- 40- Approach to refractory gastroesophageal reflux disease in adults
- 41- Non-acid reflux: Clinical manifestations, diagnosis, and management
- 42- Barrett's esophagus: Epidemiology, clinical manifestations, and diagnosis
- 43- Barrett's esophagus: Pathogenesis and malignant transformation
- 44- Barrett's esophagus: Surveillance and management
- 45- Barrett's esophagus: Treatment of high-grade dysplasia or early cancer with endoscopic resection
- 46- Barrett's esophagus: Evaluation with optical chromoscopy.
- 47- Optical coherence tomography in the gastrointestinal tract
- 48- Chromoendoscopy
- 49- Confocal laser endomicroscopy and endocytoscopy
- 50- Endoscopic interventions for nonmalignant esophageal strictures in adults
- 51- Tracheo- and broncho-esophageal fistulas in adults
- 52- Benign lesions of the esophagus
- 53- Complications of endoscopic esophageal stricture dilation
- 54- Boerhaave syndrome: Effort rupture of the esophagus
- 55- Overview of esophageal injury due to blunt or penetrating trauma in adults

B-GASTRODUDENAL DISEASES

- 1- Approach to the adult with dyspepsia
- 2- Functional dyspepsia in adults
- 3- Indications and diagnostic tests for Helicobacter pylori infection in adults
- 4- Evaluation of the adult with abdominal pain
- 5- Peptic ulcer disease: Clinical manifestations and diagnosis
- 6- Peptic ulcer disease: Epidemiology, etiology, and pathogenesis
- 7- NSAIDs (including aspirin): Pathogenesis and risk factors for gastroduodenal toxicity
- 8- Overview of complications of peptic ulcer disease
- 9- Peptic ulcer disease: Treatment and secondary prevention
- 10- Approach to refractory peptic ulcer disease
- 11- Unusual causes of peptic ulcer disease
- 12- Zollinger-Ellison syndrome (gastrinoma): Clinical manifestations and diagnosis
- 13- Overview of complications of peptic ulcer disease
- 14- Causes of upper gastrointestinal bleeding in adults
- 15- Gastric outlet obstruction in adults
- 16- Overview of gastrointestinal tract perforation
- 17- Surgical management of peptic ulcer disease
- 18- Gastric volvulus in adults
- 19- Approach to the adult with nausea and vomiting
- 20- Gastroparesis: Etiology, clinical manifestations, and diagnosis

- 21- Treatment of gastroparesis
- 22- Pathogenesis of delayed Gastric Emptying
- 23- Gastritis :Etiology and Diagnosis
- 24- Acute and chronic gastritis due to Helicobacter pylori
- 25- Association between Helicobacter pylori infection and gastrointestinal malignancy
- 26- Association between Helicobacter pylori infection and duodenal ulcer
- 27- Treatment regimens for Helicobacter pylori in adults
- 28- Acute hemorrhagic erosive gastropathy and reactive gastropathy
- 29- Acute and chronic gastritis due to Helicobacter pylori
- 30- Metaplastic (chronic) atrophic gastritis
- 31- Granulomatous gastritis
- 32- Protein losing Gastroenteropathy
- 33- Approach to the patient with large gastric folds
- 34- Approach to acute upper gastrointestinal bleeding in adults
- 35- Causes of upper gastrointestinal bleeding in adults
- 36- Overview of the treatment of bleeding peptic ulcers
- 37- Predictive scoring systems in the intensive care unit
- 38- Overview of the management of patients with variceal bleeding
- 39- Angiographic control of nonvariceal gastrointestinal bleeding in adults
- 40- Inpatient placement and management of nasogastric and nasoenteric tubes in adults
- 41- Bariatric procedures for the management of severe obesity: Descriptions
- 42- Bariatric surgery for management of obesity: Indications and preoperative preparation
- 43- Bariatric operations: Early (fewer than 30 days) morbidity and mortality
- 44- Bariatric surgery: Postoperative and long-term management
- 45- Outcomes of bariatric surgery
- 46- Laparoscopic Roux-en-Y gastric bypass
- 47- Laparoscopic sleeve gastrectomy
- 48- Bariatric operations: Late complications with subacute presentations
- 49- Postgastrectomy complications
- 50- Bariatric operations: Late complications with subacute presentations
- 51- Bariatric surgery: Postoperative nutritional management
- 52- Epidemiology, pathogenesis, and clinical manifestations of celiac disease in adults
- 53- Gastric polyps
- 54- Overview of endoscopic resection of gastrointestinal tumors
- 55- Overview of nutrient absorption and etiopathogenesis of malabsorption
- 56- Clinical characteristics of well-differentiated neuroendocrine (carcinoid) tumors arising in the gastrointestinal and genitourinary tracts

C-SMALL & LARGE INTESTINAL DISEASE

- 1- Overview of nutrient absorption and etiopathogenesis of malabsorption
- 2- Approach to the adult with chronic diarrhea in resource-abundant settings
- 3- Microscopic colitis:clinical manifestations, diagnosis, and management
- 4- Approach to the adult patient with suspected malabsorption

- 5- Overview of the treatment of malabsorption in adults
- 6- Epidemiology, pathogenesis, and clinical manifestations of celiac disease in adults
- 7- Management of celiac disease in adults
- 8- Diagnosis of celiac disease in adults
- 9- Tropical sprue
- 10- Small intestinal bacterial overgrowth: Etiology and pathogenesis
- 11- Eosinophilic gastrointestinal diseases
- 12- Protein-losing gastroenteropathy
- 13- Lactose intolerance and malabsorption: Clinical manifestations, diagnosis, and management
- 14- Causes and pathophysiology of vitamin B12 and folate deficiencies
- 15- Chronic intestinal pseudo-obstruction: Etiology, clinical manifestations, and diagnosis
- 16- Microscopic (lymphocytic and collagenous) colitis: Clinical manifestations, diagnosis, and management
- 17- Definitions, epidemiology, and risk factors for inflammatory bowel disease
- 18- Endoscopic diagnosis of inflammatory bowel disease in adults
- 19- Clinical manifestations, diagnosis, and prognosis of ulcerative colitis in adults
- 20- Overview of the medical management of mild (low risk) Crohn disease in adults
- 21- Overview of azathioprine and mercaptopurine use in inflammatory bowel disease
- 22- Thiopurines: Pretreatment testing and approach to therapeutic drug monitoring for adults with inflammatory bowel disease
- 23- Medical management of low-risk adult patients with mild to moderate ulcerative colitis
- 24- Management of the hospitalized adult patient with severe ulcerative colitis
- 25- Overview of dosing and monitoring of biologic agents and small molecules for treating ulcerative colitis in adults
- 26- Management of moderate to severe UC in adults
- 27- Surveillance and management of dysplasia in patients with inflammatory bowel disease
- 28- Toxic megacolon
- 29- Restorative proctocolectomy with ileal pouch-anal anastomosis: Laparoscopic approach
- 30- Surgical management of ulcerative colitis
- 31- Pouchitis: Epidemiology, pathogenesis, clinical features, and diagnosis
- 32- Management of acute and chronic pouchitis.
- 33- Clinical manifestations, diagnosis, and prognosis of Crohn disease in adults
- 34- Approach to the adult with Chronic diarrhea in resource-abundant settings
- 35- Acute viral gastroenteritis in adults
- 36- Evaluation of the patient with HIV and diarrhea
- 37- Approach to the adult with acute diarrhea in resource-abundant settings
- 38- Approach to the adult with acute diarrhea in resource-limited settings
- 39- Causes of acute infectious diarrhea and other foodborne illnesses in resource-abundant settings
- 40- Overview of causes' and "Causes of acute infectious diarrhea and other foodborne illnesses in resource-abundant settings
- 41- Maintenance and replacement fluid therapy in adults

- 42- Clostridioides difficile infection in adults: Epidemiology, microbiology, and pathophysiology
- 43- Probiotics for gastrointestinal diseases
- 44- Clinical manifestations and diagnosis of irritable bowel syndrome in adults
- 45- Pathophysiology of irritable bowel syndrome
- 46- Treatment of irritable bowel syndrome in adults
- 47- Intestinal *E. histolytica* infection
- 48- Whipple's disease
- 49- Genetic factors in inflammatory bowel disease
- 50- Clinical manifestations, diagnosis, and prognosis of Crohn disease in adults
- 51- Clinical manifestations and diagnosis of irritable bowel syndrome in adults.
- 52- Pathophysiology of irritable bowel syndrome
- 53- Overview of gastrointestinal toxicity of radiation therapy
- 54- Diagnosis and management of chronic radiation enteritis
- 55- Pathophysiology of short bowel syndrome
- 56- Giardiasis: Epidemiology, clinical manifestations, and diagnosis
- 57- Factitious diarrhea: Clinical manifestations, diagnosis, and management
- 58- Etiologies, clinical manifestations, and diagnosis of mechanical small bowel obstruction in adults
- 59- Overview of intestinal ischemia in adults
- 60- Acute mesenteric arterial occlusion
- 61- Chronic mesenteric ischemia
- 62- Nonocclusive mesenteric ischemia
- 63- Colonic ischemia
- 64- Overview of gastrointestinal tract perforation
- 65- Etiologies, clinical manifestations, and diagnosis of mechanical small bowel obstruction in adults
- 66- Colonic diverticulosis and diverticular disease: Epidemiology, risk factors, and pathogenesis
- 67- Clinical manifestations and diagnosis of acute colonic diverticulitis in adults
- 68- Diverticular fistulas
- 69- Colonic diverticular bleeding
- 70- Acute colonic diverticulitis: Medical management
- 71- Segmental colitis associated with diverticulitis
- 72- Travelers' diarrhea: Epidemiology, microbiology, clinical manifestations, and diagnosis
- 73- Travelers' diarrhea: Treatment and prevention
- 74- Oral rehydration therapy
- 75- Diagnosis and management of chronic radiation enteritis
- 76- Overview of gastrointestinal toxicity of radiation therapy
- 77- Radiation proctitis: Clinical manifestations, diagnosis, and management"
- 78- Approach to acute lower gastrointestinal bleeding in adults
- 79- Segmental colitis associated with diverticulosis
- 80- Diversion colitis :clinical manifestations, and diagnosis
- 81- Approach to minimal bright red blood per rectum in adults

- 82- Anal fissure: Clinical manifestations, diagnosis, prevention
- 83- Perianal Crohn disease
- 84- Anal fissure: Medical management
- 85- Hemorrhoids: Clinical manifestations and diagnosis
- 86- Home and office treatment of symptomatic hemorrhoids
- 87- Food allergens: Clinical aspects of cross-reactivity
- 88- Etiology and evaluation of chronic constipation in adults
- 89- Chronic idiopathic constipation
- 90- Constipation in the older adult
- 91- Management of chronic constipation in adults
- 92- Chronic functional constipation and fecal incontinence in infants, children, and adolescents: Treatment
- 93- Probiotics for gastrointestinal diseases
- 94- Fecal incontinence in adults: Etiology and evaluation
- 95- Anorectal manometry and balloon expulsion
- 96- Functional abdominal pain disorders
- 97- Chronic abdominal pain in children and adolescents: Approach to the evaluation

D- SYSTEMIC DISEASE AND GI

- 1- GI complication of Diabetes Mellitus
- 2- Diabetic autonomic neuropathy of the gastrointestinal tract
- 3- Classification and genetics of multiple endocrine neoplasia type 2
- 4- Anorexia nervosa in adults and adolescents: Medical complications and their management
- 5- Abdominal tuberculosis
- 6- Gastrointestinal manifestations of systemic lupus erythematosus
- 7- Gastrointestinal manifestations of systemic sclerosis
- 8- Gastrointestinal ,hepatic Pancreatic and peritoneal sarcoidosis
- 9- Overview and evaluation of patients with gastrointestinal Amyloidosis
- 10- Overview and evaluation of patients with gastrointestinal Sarcoidosis
- 11- Mastocytosis (cutaneous and systemic) in adults: Epidemiology, pathogenesis, clinical manifestations, and diagnosis
- 12- Eosinophilic Gastrointestinal disease

E- ENDOSCOPY

- 1- Overview of upper gastrointestinal endoscopy.
- 2- Overview of colonoscopy in adults
- 3- Gastrointestinal endoscopy in adults: Procedural sedation administered by endoscopists
- 4- Wireless video capsule endoscopy
- 5- Overview of deep small bowel enteroscopy
- 6- Methods to achieve hemostasis in patients with acute variceal hemorrhage

- 7- Contact thermal devices for the treatment of bleeding peptic ulcers
- 8- Endoscopic clip therapy in the gastrointestinal tract: Bleeding lesions and beyond
- 9- Argon plasma coagulation in the management of gastrointestinal hemorrhage
- 10- Endoscopic variceal ligation
- 11- Overview of endoscopic retrograde cholangiopancreatography (ERCP) in adults
- 12- Management of difficult biliary access during ERCP in adults
- 13- Endoscopic stenting for malignant biliary obstruction
- 14- Enteral stents for the palliation of malignant gastroduodenal obstruction
- 15- Endoscopic balloon dilation for removal of bile duct stones
- 16- Endoscopic management of postcholecystectomy biliary complications
- 17- Adverse events related to endoscopic retrograde cholangiopancreatography (ERCP) in adults
- 18- Pancreatic stenting at endoscopic retrograde cholangiopancreatography (ERCP): Indications, techniques, and complications
- 19- Infectious adverse events related to endoscopic retrograde cholangiopancreatography (ERCP)
- 20- Preventing infection transmitted by gastrointestinal endoscopy
- 21- Antibiotic prophylaxis for gastrointestinal endoscopic procedures
- 22- ERCP in patients with Roux-en-Y anatomy
- 23- Endoscopic retrograde cholangiopancreatography (ERCP) in pregnancy
- 24- Anesthesia for gastrointestinal endoscopy in adults
- 25- Adverse events related to procedural sedation for gastrointestinal endoscopy in adults
- 26- Post-endoscopic retrograde cholangiopancreatography (ERCP) bleeding
- 27- Endoscopic ultrasound: Examination of the upper gastrointestinal tract
- 28- Endoscopic ultrasound (EUS): Use of miniprobes for evaluating gastrointestinal lesion
- 29- Endoscopic ultrasound for the characterization of subepithelial lesions of the upper gastrointestinal tract
- 30- Endoscopic ultrasound in chronic pancreatitis
- 31- Endoscopic ultrasound in the staging of exocrine pancreatic cancer
- 32- Endoscopic ultrasound-guided fine needle aspiration in the gastrointestinal tract
- 33- Endoscopic ultrasound-guided fine needle biopsy in the gastrointestinal tract
- 34- Endoscopic ultrasound-guided sampling of the mediastinum: Technique, indications, contraindications, and complications
- 35- Therapeutic endoscopic ultrasound
- 36- Endoscopic ultrasound-guided celiac plexus interventions for pain related to pancreatic disease
- 37- Intraductal ultrasound for evaluating the pancreaticobiliary ductal system
- 38- Overview of endoscopic resection of gastrointestinal tumors
- 39- Endoscopic removal of large colon polyps
- 40- Postpolypectomy coagulation syndrome
- 41- Management and prevention of bleeding after colonoscopy with polypectomy
- 42- Gastrostomy tubes: Uses, patient selection, and efficacy in adults
- 43- Gastrostomy tubes: Placement and routine care
- 44- Gastrostomy tubes: Complications and their management

- 45- Management of anticoagulants in patients undergoing endoscopic procedures
- 46- Management of antiplatelet agents in patients undergoing endoscopic procedures
- 47- Gastrointestinal endoscopy in patients with disorders of hemostasis
- 48- Evaluation of suspected small bowel bleeding (formerly obscure gastrointestinal bleeding)
- 49- Nutrition support in intubated critically ill adult patients: Initial evaluation and prescription

F- GI CANCERS :

- 1- Epidemiology and pathobiology of esophageal cancer,
- 2- Clinical manifestations, diagnosis, and staging of esophageal cancer
- 3- Endoscopic ultrasound for evaluating patients with esophageal cancer
- 4- Management of superficial esophageal cancer
- 5- Multimodality approaches to potentially resectable esophagogastric junction and gastric cardia adenocarcinomas
- 6- Management of locally advanced, unresectable and inoperable esophageal cancer
- 7- Radiation therapy, chemoradiotherapy, neoadjuvant approaches, and postoperative adjuvant therapy for localized cancers of the esophagus
- 8- Endoscopic palliation of esophageal cancer
- 9- Epidemiology of gastric cancer
- 10- Risk factors for gastric cancer
- 11- Gastric cancer: Pathology and molecular pathogenesis
- 12- Clinical features, diagnosis, and staging of gastric cancer
- 13- Gastric cancer screening
- 14- Hereditary diffuse gastric cancer
- 15- Early gastric cancer: Epidemiology, clinical manifestations, diagnosis, and staging
- 16- Early gastric cancer: Treatment, natural history, and prognosis
- 17- Adjuvant and neoadjuvant treatment of gastric cancer
- 18- Surgical management of invasive gastric cancer
- 19- Local Palliation for Advance Gastric Cancer
- 20- Clinical presentation and diagnosis of primary gastrointestinal lymphomas
- 21- Treatment of extranodal marginal zone lymphoma of mucosa associated lymphoid tissue (MALT lymphoma)
- 22- Clinical manifestations, pathologic features, and diagnosis of extranodal marginal zone lymphoma of mucosa associated lymphoid tissue (MALT)
- 23- Clinical presentation, diagnosis, and prognosis of gastrointestinal stromal tumors
- 24- Local treatment for gastrointestinal stromal tumors, leiomyomas, and leiomyosarcomas of the gastrointestinal tract
- 25- High-grade gastroenteropancreatic neuroendocrine neoplasms
- 26- Peutz-Jeghers syndrome: Clinical manifestations, diagnosis, and management
- 27- Epidemiology, clinical features, and types of small bowel neoplasms
- 28- Diagnosis and staging of small bowel neoplasms

- 29- Clinical presentation, diagnosis, and prognosis of gastrointestinal stromal tumors
- 30- Staging, treatment, and post-treatment surveillance of non-metastatic, well-differentiated gastrointestinal tract neuroendocrine (carcinoid) tumors
- 31- Metastatic gastroenteropancreatic neuroendocrine tumors: Local options to control tumor growth and symptoms of hormone hypersecretion
- 32- Treatment of small bowel neoplasms
- 33- Local treatment for gastrointestinal stromal tumors, leiomyomas, and leiomyosarcomas of the gastrointestinal tract
- 34- Screening for colorectal cancer: Strategies in patients at average risk
- 35- Tests for screening for colorectal cancer
- 36- Overview of colon polyps
- 37- Screening for colorectal cancer in patients with a family history of colorectal cancer or advanced polyp
- 38- Endoscopic removal of large colon polyps
- 39- Management and prevention of bleeding after colonoscopy with polypectomy
- 40- Post-treatment surveillance after colorectal cancer treatment
- 41- Clinical manifestations and diagnosis of familial adenomatous polyposis
- 42- *MUTYH*-associated polyposis
- 43- PTEN hamartoma tumor syndromes, including Cowden syndrome
- 44- Molecular genetics of colorectal cancer".
- 45- Epidemiology and risk factors for colorectal cancer
- 46- Clinical presentation, diagnosis, and staging of colorectal cancer
- 47- Pathology and prognostic determinants of colorectal cancer
- 48- Overview of the management and prognosis of primary colon cancer.
- 49- Pretreatment local staging evaluation for rectal cancer
- 50- Surgical resection of primary colon cancer
- 51- Overview of the management of rectal adenocarcinoma
- 52- Surgical treatment of rectal cancer
- 53- Neoadjuvant therapy for rectal adenocarcinoma
- 54- Post-treatment surveillance after colorectal cancer treatment
- 55- Lynch syndrome (hereditary nonpolyposis colorectal cancer):Clinical manifestations and diagnosis
- 56- Clinical manifestations and diagnosis of familial adenomatous polyposis
- 57- Approach to the patient with unintentional weight loss
- 58- Ampullary carcinoma: Epidemiology, clinical manifestations, diagnosis and staging
- 59- Clinical manifestations and diagnosis of cholangiocarcinoma
- 60- Adjuvant and neoadjuvant therapy for localized cholangiocarcinoma
- 61- Treatment options for locally advanced, unresectable, but nonmetastatic cholangiocarcinoma
- 62- Epidemiology, risk factors, anatomy, and pathology of cholangiocarcinom
- 63- Epidemiology and nonfamilial risk factors for exocrine pancreatic cancer
- 64- Clinical manifestations, diagnosis, and staging of exocrine pancreatic cancer
- 65- Gallbladder cancer: Epidemiology, risk factors, clinical features, and diagnosis"
- 66- Treatment for potentially resectable exocrine pancreatic cancer

- 67- Classification, epidemiology, clinical presentation, localization, and staging of pancreatic neuroendocrine neoplasms
- 68- Familial pancreatic cancer
- 69- Definitions of unresectable and borderline resectable pancreatic cancer
- 70- Initial chemotherapy and radiation for nonmetastatic, locally advanced, unresectable and borderline resectable, exocrine pancreatic cancer
- 71- Overview of surgery in the treatment of exocrine pancreatic cancer and prognosis
- 72- Well-differentiated neuroendocrine tumors of the appendix
- 73- Insulinoma
- 74- Staging, treatment, and post-treatment surveillance of non-metastatic, well-differentiated gastrointestinal tract neuroendocrine (carcinoid) tumors
- 75- Classification, epidemiology, clinical presentation, localization, and staging of pancreatic neuroendocrine neoplasms
- 76- Clinical features of carcinoid syndrome
- 77- Diagnosis of carcinoid syndrome and tumor localization
- 78- Metastatic well-differentiated gastroenteropancreatic neuroendocrine tumors: Presentation, prognosis, imaging, and biochemical monitoring
- 79- High-grade gastroenteropancreatic neuroendocrine neoplasms
- 80- Zollinger-Ellison syndrome (gastrinoma): Clinical manifestations and diagnosis
- 81- Glucagonoma and the glucagonoma syndrome
- 82- VIPoma: Clinical manifestations, diagnosis, and management
- 83- Somatostatinoma: Clinical manifestations, diagnosis, and management
- 84- Clinical presentation, diagnosis, and prognosis of gastrointestinal stromal tumors
- 85- Comprehensive geriatric assessment for patients with cancer
- 86- Classification and epidemiology of anal cancer
- 87- Treatment of anal cancer
- 88- Anal squamous intraepithelial lesions: Epidemiology, clinical presentation, diagnosis, screening, prevention, and treatment
- 89- Clinical features and staging of anal cancer
- 90- Malignancy related ascites
- 91- Adenocarcinoma of unknown primary site
- 92- Overview of the classification and management of cancers of unknown primary site
- 93- Neuroendocrine neoplasms of unknown primary site

G-Liver diseases

- 1- Approach to the patient with abnormal liver biochemical and function tests.
- 2- Diagnostic approach to the adult with jaundice or asymptomatic hyperbilirubinemia
- 3- Noninvasive assessment of hepatic fibrosis: Overview of serologic tests and imaging

- 4- Model for End-stage Liver Disease (MELD)
- 5- **Noninvasive assessment of hepatic fibrosis: Ultrasound-based elastography**
- 6- Histologic scoring systems for chronic liver disease
- 7- Epidemiology, clinical features, and diagnosis of nonalcoholic fatty liver disease in adults.
- 8- **Clinical features and diagnosis of metabolic dysfunction-associated steatotic liver disease (nonalcoholic fatty liver disease) in adults**
- 9- **Management of metabolic dysfunction-associated steatotic liver disease (nonalcoholic fatty liver disease) in adults**
- 10- **Clinical manifestations and diagnosis of alcohol-associated steatosis and cirrhosis**
- 11- **Alcoholic hepatitis: Clinical manifestations and diagnosis**
- 12- Management and prognosis of alcoholic hepatitis
- 13- Management of alcohol-associated steatosis and alcohol-associated cirrhosis
- 14- Cirrhosis in adults: Etiologies, clinical manifestations, and diagnosis
- 15- Cirrhosis in adults: Overview of complications, general management, and prognosis
- 16- **Assessing surgical risk in patients with liver disease**
- 17- **Nutritional issues in adult patients with cirrhosis**
- 18- Portal hypertension in adults
- 19- Pathogenesis of ascites in patients with cirrhosis
- 20- Evaluation of adults with ascites
- 21- Ascites in adults with cirrhosis: Initial therapy
- 22- Ascites in adults with cirrhosis: Diuretic-resistant ascites
- 23- Hyponatremia in patients with cirrhosis .
- 24- Overview of transjugular intrahepatic portosystemic shunts (TIPS)"
- 25- Transjugular intrahepatic portosystemic shunts: Postprocedure care and complications
- 26- Diagnostic and therapeutic abdominal paracentesis
- 27- Pathogenesis of spontaneous bacterial peritonitis
- 28- Spontaneous bacterial peritonitis in adults: Treatment and prophylaxis
- 29- Spontaneous bacterial peritonitis in adults: Clinical manifestations".)
- 30- Spontaneous bacterial peritonitis in adults: Diagnosis"
- 31- Hepatorenal syndrome
- 32- Hepatic hydrothorax
- 33- Hepatopulmonary syndrome in adults: Prevalence, causes, clinical manifestations, and diagnosis
- 34- Portopulmonary hypertension.
- 35- Hepatic encephalopathy in adults: Clinical manifestations and diagnosis".
- 36- Hepatic encephalopathy in adults: Treatment
- 37- Overview of the management of patients with variceal bleeding.
- 38- Portal hypertensive gastropathy
- 39- Management of pain in patients with advanced chronic liver disease or cirrhosis
- 40- Pathogenesis of variceal bleeding in patients with cirrhosis.
- 41- Prevention of recurrent bleeding from esophageal varices in patients with cirrhosis
- 42- Primary prevention of bleeding from esophageal varices in patients with cirrhosis
- 43- Acute liver failure in adults: Etiology, clinical manifestations, and diagnosis.

- 44- Acute liver failure in adults: Management and prognosis
- 45- **Approach to evaluating pregnant patients with elevated liver biochemical and function tests**
- 46- **Pregnancy in women with pre-existing chronic liver disease**
- 47- Overview of coincident acute hepatobiliary disease in pregnant women
- 48- **Hepatitis B and pregnancy**
- 49- Acute fatty liver of pregnancy.
- 50- Intrahepatic cholestasis of pregnancy
- 51- Hepatitis A virus infection in adults: Epidemiology, clinical manifestations, and diagnosis
- 52- Hepatitis B virus: Clinical manifestations and natural history.
- 53- Clinical significance and molecular characteristics of common hepatitis B virus variants
- 54- Hepatitis B virus reactivation associated with immunosuppressive therapy
- 55- Epidemiology, clinical manifestations and diagnosis of hepatitis D virus infection
- 56- **Overview of the management of chronic hepatitis C virus infection**
- 57- Clinical manifestations and natural history of chronic hepatitis C virus infection
- 58- **Patient evaluation and selection for antiviral therapy for chronic hepatitis C virus infection**
- 59- **Management of chronic hepatitis C virus infection: Antiviral retreatment following relapse in adults**
- 60- Hepatitis E virus infection
- 61- **Drugs and the liver: Metabolism and mechanisms of injury**
- 62- Acetaminophen (paracetamol) poisoning in adults: Pathophysiology, presentation, and evaluation
- 63- Acetaminophen (paracetamol) poisoning: Management in adults and children
- 64- Amatoxin-containing mushroom poisoning (eg, Amanita phalloides): Clinical manifestations, diagnosis, and treatment.
- 65- Drug-induced liver injury.
- 66- Hepatotoxicity due to herbal medications and dietary supplements.
- 67- **Hepatotoxicity associated with chronic low-dose methotrexate for nonmalignant disease**
- 68- **Early complications of hematopoietic cell transplantation**
- 69- Epidemiology and pathogenesis of portal vein thrombosis in adults,
- 70- Acute portal vein thrombosis in adults: Clinical manifestations, diagnosis, and management
- 71- Chronic portal vein thrombosis in adults: Clinical manifestations, diagnosis, and management
- 72- Ischemic hepatitis, hepatic infarction, and ischemic cholangiopathy.
- 73- Budd-Chiari syndrome: Epidemiology, clinical manifestations, and diagnosis.
- 74- Hepatic sinusoidal obstruction syndrome (veno-occlusive disease) in adults.
- 75- Hemostatic abnormalities in patients with liver disease.
- 76- Pathogenesis of primary biliary cholangitis (primary biliary cirrhosis)

- 77- Clinical manifestations, diagnosis, and prognosis of primary biliary cholangitis
- 78- Overview of the management of primary biliary cholangitis
- 79- Pruritus associated with cholestasis
- 80- Liver transplantation in primary biliary cholangitis
- 81- Approach to the patient with suspected iron overload.
- 82- **Management and prognosis of hereditary hemochromatosis**
- 83- Wilson disease: Clinical manifestations, diagnosis, and natural history.
- 84- **Overview of hepatobiliary disorders in patients with inflammatory bowel disease**
- 85- Primary sclerosing cholangitis in adults: Clinical manifestations and diagnosis
- 86- Autoimmune hepatitis variants: Definitions and treatment
- 87- **Overview of autoimmune hepatitis**
- 88- Autoimmune hepatitis variants: Definitions and treatment
- 89- Autoimmune hepatitis: Pathogenesis
- 90- Management of autoimmune hepatitis
- 91- Evaluation of adult patient with hepatic granulomas
- 92- Liver transplantation in adults: Patient selection and pre-transplantation evaluation
- 93- **Liver transplantation in adults: Long-term management of transplant recipients**
- 94- **Overview of dermatologic problems following liver transplantation**
- 95- **Liver transplantation for alcohol-associated liver disease**
- 96- **Liver transplantation: Preanesthetic consultation and preparations**
- 97- Diagnosis and management of cystic lesions in the liver
- 98- Autosomal dominant polycystic kidney disease (ADPKD): Extrarenal manifestations
- 99- Echinococcosis: Clinical manifestations and diagnosis
- 100- Echinococcosis: Treatment
- 101- Pyogenic liver abscess
- 102- Extraintestinal *Entamoeba histolytica* amebiasis
- 103- Invasive liver abscess syndrome caused by *Klebsiella pneumoniae*
- 104- Hepatic ductopenia and vanishing bile duct syndrome in adults
- 105- Approach to the adult patient with an incidental solid liver lesion
- 106- Pathology of malignant liver tumors
- 107- Epidemiology and risk factors for hepatocellular carcinoma
- 108- Surveillance for hepatocellular carcinoma in adults
- 109- Clinical features and diagnosis of hepatocellular carcinoma
- 110- **Surgical resection of hepatocellular carcinoma**
- 111- **Localized hepatocellular carcinoma: Liver-directed therapies for nonsurgical candidates not eligible for local thermal ablation**

H-PANCREATOBILIARY DISEASES

- 1- Diagnostic approach to the adult with jaundice or asymptomatic hyperbilirubinemia
- 2- Gallstones: Epidemiology, risk factors and prevention
- 3- Overview of gallstone disease in adults

- 4- Acute calculous cholecystitis: Clinical features and diagnosis
- 5- Treatment of acute calculous cholecystitis
- 6- Acalculous cholecystitis: Clinical manifestations, diagnosis, and management
- 7- Choledocholithiasis: Clinical manifestations, diagnosis, and management
- 8- Acute cholangitis: Clinical manifestations, diagnosis, and management
- 9- Mirizzi syndrome
- 10- Gallstone Ileus
- 11- Overview of nonsurgical management of gallbladder stones
- 12- Functional gallbladder disorder in adults
- 13- Gallstone disease in pregnancy
- 14- Gallbladder polyps
- 15- Porcelain gallbladder
- 16- Clinical manifestations and diagnosis of acute pancreatitis
- 17- Etiology of acute pancreatitis
- 18- Management of acute pancreatitis
- 19- Predicting the severity of acute pancreatitis
- 20- Pathogenesis of acute pancreatitis
- 21- Approach to the patient with an elevated serum amylase or lipase
- 22- Post-endoscopic retrograde cholangiopancreatography (ERCP) pancreatitis
- 23- Hypertriglyceridemia-induced acute pancreatitis
- 24- Clinical manifestations and diagnosis of chronic and acute recurrent pancreatitis in children
- 25- Abdominal compartment syndrome in adults
- 26- Chronic pancreatitis: Clinical manifestations and diagnosis in adults
- 27- Chronic pancreatitis management
- 28- Overview of the complications of chronic pancreatitis
- 29- Etiology and pathogenesis of chronic pancreatitis in adults
- 30- Surgery for chronic pancreatitis", section on 'Duodenal-preserving pancreatic head resection
- 31- Exocrine pancreatic insufficiency
- 32- Extracorporeal shock wave lithotripsy for pancreatic stones
- 33- Autoimmune pancreatitis: Clinical manifestations and diagnosis
- 34- Autoimmune pancreatitis: Management
- 35- Treatment and prognosis of IgG4-related disease
- 36- VIPoma: Clinical manifestations, diagnosis, and management
- 37- Choledocholithiasis: Clinical manifestations, diagnosis, and management
- 38- Endoscopic management of bile duct stones
- 39- Acute cholangitis: Clinical manifestations, diagnosis, and management
- 40- Endoscopic management of postcholecystectomy biliary complications
- 41- Primary sclerosing cholangitis in adults: Management
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43-Biliary Cysts

44- Pancreatic cystic neoplasms: Clinical manifestations, diagnosis, and management

45- Approach to walled-off pancreatic fluid collections in adults

46- Endoscopic interventions for walled-off pancreatic fluid collections

47- Intraductal papillary mucinous neoplasm of the pancreas (IPMN): Pathophysiology and clinical manifestations

48- Intraductal papillary mucinous neoplasm of the pancreas (IPMN): Evaluation and management

49- Classification of pancreatic cysts

50- Cystic fibrosis: Assessment and management of pancreatic insufficiency