GASTROINTESTINAL IMAGING STUDY GUIDE

- Pharynx
  - Normal Anatomy
  - Benign Diseases
    - Diverticula
    - Foreign bodies
    - Trauma
  - Malignant Tumors
  - Motility Disorders
  - Postoperative

- Esophagus
  - Normal Anatomy
  - Benign Diseases
    - Diverticula
    - Trauma
    - Esophagitis
    - Barrett esophagus
    - Rings, webs, and strictures
    - Varices
    - Benign tumors and tumor-like conditions
    - Extrinsic processes affecting the esophagus
  - Malignant Tumors
    - Squamous cell carcinoma
    - Adenocarcinoma
    - Other malignant tumors
      - Lymphoma
      - Kaposi
      - Metastases
      - GI stromal tumor
  - Motility Disorders
- Postoperative Esophagus
- Stomach
  - Normal Anatomy
  - Benign Diseases
    - Diverticula
    - Gastritis
    - Peptic ulcer disease
    - Hypertrophic gastropathy
    - Varices
    - Volvulus
    - Hiatal hernia
  - Malignant Tumors
    - Adenocarcinoma
    - Lymphoma
    - Gl stromal tumor
    - Carcinoid
    - Metastases
- Postoperative Stomach
- Duodenum
  - Normal Anatomy
  - Benign Diseases
    - Congenital abnormalities
    - Diverticula
    - Trauma
    - Inflammatory disease
      - Duodenitis
      - Ulcer disease
      - Crohn disease
      - Aortoduodenal fistula
    - Benign tumors
  - Malignant Tumors
    - Adenocarcinoma
    - Lymphoma
    - Gl stromal tumor
    - Metastases
- Small Intestine
  - Normal Anatomy
  - Benign Diseases
    - Congenital abnormalities
    - Diverticula
- Trauma
- Vascular diseases
  - Intestinal ischemia and infarction
  - Radiation enteritis
  - Scleroderma
  - Vasculitides
- Malabsorption
- Inflammatory disease
  - Crohn disease
  - Infectious and parasitic diseases
- Benign tumors
- Malrotation/Volvulus
- Obstruction
- Hemorrhage
- Drug effects
  - NSAID enteritis
  - ACE inhibitors
  - Malignant Tumors
    - Adenocarcinoma
    - Lymphoma
    - Carcinoid
    - GI stromal tumor
    - Metastases
  - Postoperative
- Colon and Appendix
  - Normal Anatomy
  - Benign Diseases
    - Congenital abnormalities
    - Diverticula
    - Inflammatory diseases
      - Crohn disease
      - Ulcerative colitis
      - Infectious colitis
      - Appendicitis
    - Ischemic colitis
    - Benign tumors
      - Adenoma
      - Mesenchymal tumors
      - Polyposis syndromes
  - Malignant Tumors
- Adenocarcinoma
- Lymphoma
- Carcinoid
- Melanoma
- Squamous (anal)
- Metastases
  - Obstruction
- Pancreas
  - Congenital Abnormalities and Variants
  - Pancreatitis
    - Acute
    - Chronic
    - Complications
    - Autoimmune
  - Pancreatic Neoplasms
    - Adenocarcinoma
    - Cystic pancreatic neoplasms
      - Intraductal papillary mucinous neoplasm (IPMN)
      - Mucinous cystadenomas
      - Serous cystadenomas
      - Solid pseudo/papillary tumor
    - Pancreatic endocrine neoplasms
    - Lymphoma
    - Metastases
  - Trauma
  - Postoperative
- Liver
  - Normal Anatomy
  - Diffuse Diseases of the Liver
    - Cirrhosis
    - Diseases associated with infiltration
      - Fatty infiltration/nonalcoholic fatty liver disease (NAFLD)/nonalcoholic steatohepatitis (NASH)
      - Hemochromatosis
      - Storage diseases
    - Vascular diseases
      - Portal hypertension
      - Portal vein occlusion
      - Hepatic venous hypertension/Budd-Chiari syndrome/nutmeg liver
  - Focal Diseases of the Liver
Benign tumors
- Cavernous hemangioma
- Adenoma
- Focal nodular hyperplasia

Malignant tumors
- Hepatocellular carcinoma
- Metastases
- Other malignant liver lesions

Abscess
- Postoperative

Spleen
- Normal Anatomy
- Spleenomegaly
- Benign Disease
  - Cysts
  - Hemangioma
  - Infarction
  - Abscess/microabscesses
  - Granulomatous disease
- Malignant Tumors
- Trauma

Bile Ducts and Gallbladder
- Normal Anatomy
- Congenital Abnormalities and Variants
  - Choledochal cysts
  - Caroli disease
- Inflammatory Diseases
  - Gallbladder
    - Acute cholecystitis
    - Emphysematous cholecystitis
    - Porcelain gallbladder
    - Adenomyomatosis
    - Cholesterolosis
  - Biliary ducts
    - Sclerosing cholangitis
    - Ascending cholangitis
    - Recurrent pyogenic cholangitis
    - AIDS cholangiopathy
    - Ischemic injury
    - Stone disease
- Tumors
  - Gallbladder cancer
  - Cholangiocarcinoma
  - Metastases
- Postoperative
  - Peritoneal Spaces
    - Normal Anatomy
    - Fluid Collections
    - Diseases of the Peritoneum
      - Inflammatory diseases
      - Primary tumors
      - Metastatic tumors
  - Mesenteries
    - Normal anatomy
    - Pathologic conditions
      - Sclerosing mesenteritis/Mesenteric fibromatosis
    - Metastatic tumors
  - Retroperitoneum
    - Normal anatomy
    - Benign diseases
      - Fibrosis
      - Inflammatory diseases
    - Malignant tumors
- Multisystem Disorders
  - Acute abdomen
  - Trauma
  - Syndromes
  - Hernias, including internal hernias
- Pharmacoradiology
- Physics and Safety