

Case #1 A patient is found to have a liver mass by CT scan. Representative histology is shown in the images for this case. You are asked to review the case. Which of the following is the single test stain to confirm this diagnosis?

- A. Alpha fetal protein (AFP) level
- B. HepPar-1 stain
- C. CK-19
- D. PAS
- E. Reticulin stain

Case #2 A 35-year-old female who underwent a CT scan for dysplasia was found to have a localized stomach mass. An EGD was performed, and representative histologic images from the biopsy are shown. Based on the histologic findings, what is the most likely diagnosis?

- A. Diffuse large B cell lymphoma
- B. Marginal zone lymphoma
- C. Chronic lymphocytic leukemia/small lymphocytic lymphoma
- D. Anaplastic large cell lymphoma
- E. Mantle cell lymphoma

Case #3 A 45-year-old female is found to have a 2.5 cm cecal mass. An excision was performed, and representative images are shown for this case. Based on the histologic findings, what is the most likely diagnosis?

- A. Neuroendocrine carcinoma
- B. Small cell carcinoma
- C. Carcinoid tumor
- D. Basaloid squamous cell carcinoma
- E. Signet ring cell carcinoma

Case #4 A colonic mass is found in a 45-year-old male with a history of anemia. At surgery a hemicolectomy was performed, and representative histologic images are shown for this case. Based on the findings, which of the following is the best diagnosis?

- A. Colonic adenocarcinoma
- B. Diffuse large B cell lymphoma
- C. Mantle cell lymphoma
- D. Signet ring cell carcinoma
- E. Medullary carcinoma

Case #5 A 50-year-old female is found to have a 5 cm pancreatic tumor in the tail. A partial pancreatectomy is performed, and representative histologic images are shown for this case. Based on the histologic findings and the clinical history, which of the following is the best diagnosis?

- A. Serous cystadenoma
- B. Mucinous cystadenoma
- C. Intraductal papillary-mucinous neoplasm
- D. Pancreatic adenocarcinoma
- E. Microcystic serous cystadenoma

Case #6 A 30-year-old female is found to have a 10 cm pancreatic mass. Representative histologic slides from this lesion are shown. Based on the history and histologic findings, what is the best diagnosis?

- A. Solid-pseudopapillary tumor
- B. Pancreatic adenocarcinoma
- C. Neuroendocrine Carcinoma
- D. Diffuse large B cell lymphoma
- E. Carcinoid tumor

Case #7 A 55-year-old man undergoes an EGD for dysphasia. While examining the duodenum, and nodularity was noted in the duodenal bulb. This area was biopsy, and representative histologic sections are shown. Based on the histologic findings which of the following is the best diagnosis?

- A. Carcinoid
- B. Adenocarcinoma
- C. Gastric heterotopia
- D. Pancreatic heterotopia
- E. Brunner's gland adenoma

Case #8 A patient with a history of HIV and disseminated histoplasmosis undergoes screening colonoscopy for intractable G.I. bleeding. Several red to purple patches are found along the colonic mucosa, and partial resection is performed. Representative histologic sections are shown. Based on the clinical history and histologic findings, what is the best diagnosis?

- A. Arteriovenous malformation
- B. Capillary Hemangioma
- C. Angiosarcoma
- D. Bacillary Angiomatosis
- E. Kaposi's sarcoma

Question #1 All of the following are helpful in diagnosing reflux esophagitis (GERD) EXCEPT:

- A. Basal layer >15% of mucosal thickness
- B. Subepithelial papillae that extend > 2/3rd of the mucosal thickness
- C. Intraepithelial eosinophils in the range of 30/hpf
- D. Intraepithelial neutrophils
- E. All of the above are helpful in diagnosis of GERD

Question #2 With respect possible answers in case #2, which of the following is the most important prognostic indicator in MALT lymphoma?

- A. The presence of Helicobacter pylori organisms
- B. ALK1 positivity
- C. CD30 positivity
- D. MUM-1 positivity
- E. Bcl-6 positivity

Notes for question set:¹

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