

1. A 50 y/o male presents with an enlarged thyroid. Due to the mass effect, a complete thyroidectomy is performed. Based on the images shown, what is the best diagnosis?
 - A. Nodular hyperplasia
 - B. Follicular adenoma
 - C. Follicular carcinoma
 - D. Follicular variant of papillary carcinoma
 - E. Adenomatoid nodules

2. What is the fatality rate for widely invasive follicular carcinoma tumors?
 - A. 3%
 - B. 25%
 - C. 50%
 - D. 75%
 - E. >90%

3. All of the following are true with respect to follicular thyroid carcinoma EXCEPT:
 - A. Higher incidence in iodine deficient areas
 - B. Propensity for lymphatic invasion
 - C. Represent ~5% of thyroid cancers
 - D. Microinvasive follicular carcinomas have an excellent prognosis
 - E. Radiation exposure is a risk factor

4. Where in the normal thyroid gland are C-cells found in the highest concentration?
 - A. Upper pole
 - B. Middle portion
 - C. Lower pole
 - D. Isthmus

5. A 60 y/o man undergoes colonoscopy, and is noted to have a “nodular” mucosal surface. Multiple biopsies are performed, and representative images and stains are shown. Based on the findings, what is the best diagnosis?
 - A. CLL/SLL
 - B. Mantle cell lymphoma
 - C. Marginal zone lymphoma
 - D. Diffuse large B-cell lymphoma
 - E. Atypical reactive lymphoid hyperplasia

6. In the images for the previous case, which of the following FISH studies would most likely be positive?
 - A. t(11;14)
 - B. t(14;18)
 - C. t(8;14)
 - D. t(2;5)

7. A 42 y/o female presents with a 10 cm pancreatic head mass. A CT guided biopsy is performed, which was noted to be very bloody during the procedure and on touch preparation. Based on the histology and special stains, what is the best diagnosis?
- A. Lymphangioma
 - B. Epithelioid angiosarcoma
 - C. Acinar cell cystadenoma
 - D. Pancreatic pseudocyst
 - E. Microcystic serous cystadenoma
8. In the previous case, it can be associated with all of the following EXCEPT:
- A. Von Hippel-Lindau disease
 - B. Multiple endocrine neoplasia
 - C. Ductal adenocarcinoma of the pancreas
 - D. Diabetes
9. A patient is found to have an adrenal mass. The adrenal gland is removed, and representative histologic images are shown. Based on the findings, what is the best diagnosis?
- A. Adrenal cortical adenoma
 - B. Adrenal carcinoma
 - C. Myelolipoma
 - D. Pheochromocytoma
10. The patient in the above case was found to have a gastric stromal sarcoma. In light of the new findings, what is the best clinical diagnosis for this patient?
- A. Von Hippel-Lindau disease
 - B. Multiple endocrine neoplasia
 - C. Carney's triad
 - D. Carney's syndrome
 - E. None of the above

Notes for question set:¹

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