

LAB I

PITUITARY AND ADRENAL

I. Gross Specimens:

- I-A. Automobile accident victim, normal adrenal.
 - 1. Identify Cortex
 - 2. Identify MedullaDx: Normal Adrenal
- I-B. 50 Year-old-male with Cushinoid appearance and diabetes. (Note diffuse enlargement of cortex).
Dx: Diffuse Adrenal Hyperplasia.
- I-C. 60 year-old-female with Cushing's disease.
 - 1. Identify Adenoma
 - 2. Identify normal adrenalDx: Adrenal Adenoma
- I-D. 15 year-old-boy with hypertension and high catecholamines.
 - 1. Identify dark hemorrhagic parenchyma
 - 2. Identify capsuleDx: Pheochromocytoma
- I-E. Patient comes to his physician with a main complaint of dragging left flank pain irradiated to the left testicle and weight loss of 20 pounds. On cat scan a supra-renal mass is identified.
 - 1. Identify tumor
 - 2. Identify kidney tissueDx: Adrenal Carcinoma

II. Microscopic:

- 91000-00001 NORMAL PITUITARY
 - a. Identify adenohipophysis
 - b. Identify neurohipophysis
- 91000-82701 ADENOMA OF PITUITARY
 - a. Identify adenoma
- 93000-00001 NORMAL ADRENAL GLAND
 - a. Identify adrenal cortex
 - 1. Glomerulosa
 - 2. Fasciculata
 - 3. Reticularis
 - b. Identify medulla
- 93000-81400 ADENOMA OF ADRENAL
 - a. Identify adenoma
 - b. Identify normal adrenal

LAB II

PARATHYROID GLAND AND THYROID GLAND

I. Gross Specimens:

- II-A. Automobile accident victim.
Dx: Normal thyroid
- II-B. 40 year-old-female with a diffuse enlargement of the thyroid gland and hyperthyroidism (Identify nodules).
Dx: Nodular goiter.
- II-C. 35 year-old-female with nodule, in thyroid. Nodule "hot" on scan.
 - 1. Identify adenoma and capsule
 - 2. Identify normal thyroidDx: Thyroid adenoma
- II-D. 60 year-old-man with unilaterally enlarged hard thyroid lobe, "cold" by scan.
 - 1. Identify pale tan tissue of carcinoma
 - 2. Identify rim of normal tissueDx: Thyroid carcinoma

II. Microscopic:

- 97000-00001 NORMAL PARATHYROID AND THYROID
 - a. Identify thyroid gland
 - b. Identify parathyroid
 - 96000-71602 NODULAR GOITER
 - a. Identify nodules of thyroid tissue
 - 96000-81401 FOLLICULAR ADENOMA OF THYROID (Fetal type)
 - a. Identify adenoma
 - b. Identify capsule
 - c. Identify normal thyroid
 - 96000-80503 PAPILLARY THYROID CARCINOMA
 - a. Identify papillary tissue
 - b. Identify psammoma body
 - c. Identify "ground glass" nuclei
 - d. Identify capsule
 - e. Identify normal thyroid
 - 96000-76610 HASHIMOTO'S THYROIDITIS
 - a. Identify lymphoid follicles
 - b. Identify fibrosis
 - c. Identify atrophic follicles
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