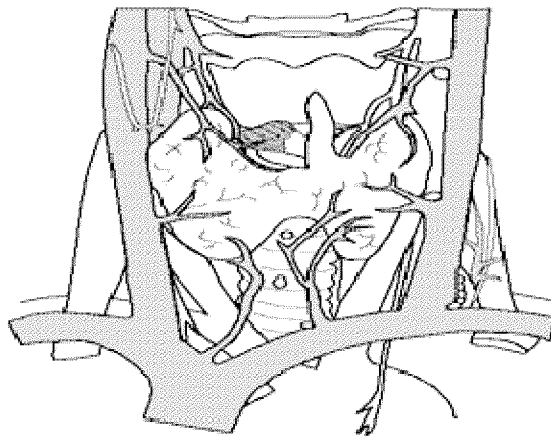


**CALIFORNIA
TUMOR TISSUE REGISTRY**

“ENDOCRINE PATHOLOGY”

Study Cases, Subscription B

April 2014



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
11021 Campus Avenue, AH 335
Loma Linda, California 92350
(909) 558-4788
FAX: (909) 558-0188
E-mail: cttr@linkline.com
Web page: www.cttr.org
Web site & Case of the Month: www.cttr.org

Target audience:

Practicing pathologists and pathology residents.

Goal:

To acquaint the participant with the histologic features of a variety of benign and malignant neoplasms and tumor-like conditions.

Objectives:

The participant will be able to recognize morphologic features of a variety of benign and malignant neoplasms and tumor-like conditions and relate those processes to pertinent references in the medical literature.

Educational methods and media:

Review of representative glass slides with associated histories.
Feedback on consensus diagnoses from participating pathologists.
Listing of selected references from the medical literature.

Principal faculty:

Donald R. Chase, MD

CME/SAM Credit:

Loma Linda University School of Medicine designates this continuing medical education activity for a maximum of 2 hours of Category I of the Physician's Recognition Award of the American Medical Association. It also qualifies for up to 2 hours of SAM credit by the American Board of Pathology.
CME/SAM credit is offered for the subscription year only.

Accreditation:

Loma Linda University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

Case No. 1 - April 2014 B

Accession #31612

Tissue from: Thyroid

Clinical Abstract:

A 55 year-old woman had an enlarged left thyroid.

Gross Pathology:

The left lobe of thyroid was 5 x 3.5 cm.

Case No. 2 - April 2014 B

Accession #28109

Tissue from: Thyroid

Clinical Abstract:

A 29 year-old woman had a history of hypothyroidism and was found to have a cold nodule in left lobe of her thyroid gland.

Gross Pathology:

The total thyroid was submitted in two portions. The left lobe and isthmus was 20 grams and 4.6 x 3.4 x 3 cm and contained a 4.3 x 2.5 x 2.5 cm yellow-tan nodular mass. The right lobe of thyroid was 7.5 grams and 4.7 x 3 x 1.5 cm.

Case No. 3 - April 2014 B

Accession #31522

Tissue from: Thyroid

Clinical Abstract:

A 66 year-old man had a history of goiter.

Gross Pathology:

The 193 gram thyroid had multiple nodules up to 6.6 cm with hemorrhage and focal calcification.

Case No. 4 - April 2014 B

Accession #31613

Tissue from: Thyroid

Clinical Abstract:

A 29 year-old woman presented with rapid onset of thyroid gland enlargement, accompanied by hoarseness and dysphagia. Imaging studies showed a right lobe mass expanding to displace the trachea. Plasma metanephrines, calcitonin and CEA were negative.

Gross Pathology:

The mass was 6.2 x 5 x 4.3 cm.

Case No. 5 - April 2014 B

Accession #31668

Tissue from: Right calcaneus

Clinical Abstract:

A 70 year-old woman had a history of a thyroid gland malignancy with metastases, resulting in a total laryngectomy and a resection of her right femur.

Gross Pathology:

The 43 gram specimen was 7 x 4 x 3 cm and was composed of tan and red tissue producing focal bony softening.

Case No. 6 - April 2014 B

Accession #31548

Tissue from: Thymus

Clinical Abstract:

A 29 year-old man complained of shortness of breath and was found to have a large anterior mediastinal mass.

Gross Pathology:

A 6.8 x 5.2 x 3.6 cm lobulated mass was red-brown with central fibrosis. The tumor was firmly adherent to adjacent pericardium. Mediastinal lymph nodes showed similar tumor.

Special Studies:

Positive: Pancytokeratin, CD56, Synaptophysin, Chromogranin A

Negative: CD45, CD99, TTF-1, S-100

Case No. 7 - April 2014 B

Accession #31472

Tissue from: Right adrenal gland

Clinical Abstract:

A 45 year-old man had a right adrenal mass.

Gross Pathology:

The resected mass weighed 1000 grams.

Case No. 8 - April 2014 B

Accession #31534

Tissue from: Left adrenal gland

Clinical Abstract:

A 56 year-old woman had a left adrenal mass.

Gross Pathology:

The mass was 35 grams and 4 x 2.5 x 2.5 cm.

Case No. 9 - April 2014 B

Accession #30644

Tissue from: Right adrenal gland

Clinical Abstract:

A 46 year-old man had a history of hypertension, partially controlled by medication but seeming to be “brittle.” A CT showed a right adrenal mass.

Gross Pathology:

The mass was 1.4 cm in greatest diameter.

Case No. 10 - April 2014 B

Accession #31637

Tissue from: Right and left adrenal glands

Clinical Abstract:

A 38 year-old man had bilateral adrenal masses.

Gross Pathology:

The masses from the adrenal glands were each 7 cm in greatest diameter.