

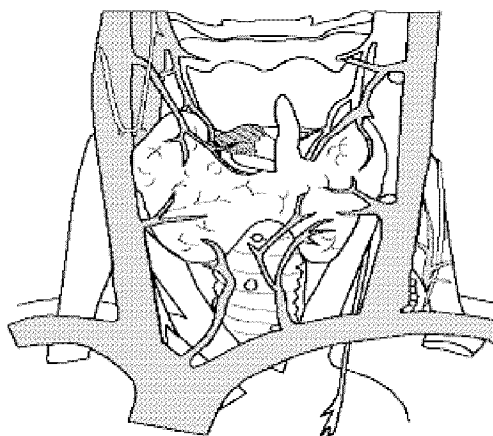


**CALIFORNIA
TUMOR TISSUE REGISTRY**

“PATHOLOGY of ENDOCRINE ORGANS”

Study Cases, Subscription A

October 2011



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
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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 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.
CME 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.

Contributor: LLUMC Pathology Group (NP)
Loma Linda, CA

Case No. 1 - October 2011 A

Tissue from: Right adrenal gland

Accession #30844

Clinical Abstract:

In the course of follow up for hepatitis C, this 65 year-old man was found to have an incidental adrenal mass. Urine metanephrines and catecholamines were markedly elevated.

Gross Pathology:

The 62 gram adrenal gland was 6 x 5 x 4 cm with a 0.3 cm rim of golden cortex and central focally hemorrhagic red-brown medulla.

Contributor: K. Greg Peterson, M.D.
Sioux Falls, SD

Case No. 2 - October 2011 A

Tissue from: Pancreas

Accession #29040

Clinical Abstract:

This 67 year-old man underwent resection of a pancreatic tumor.

Gross Pathology:

Within the resected pancreas was a 3 x 2 x 1.5 cm focally fibrotic, mildly mucinous-appearing mass.

**Contributor: Mark Janssen, M.D.
Anaheim, CA**

Case No. 3 - October 2011 A

Tissue from: Pancreas

Accession #30022

Clinical Abstract:

For 22 months after the birth of a child, this 29 year-old woman had a sensation of abdominal fullness. Eventually a CT scan showed a large mass associated with the tail of her pancreas.

Gross Pathology:

The 781 gram, 14.5 x 12 x 10 cm well encapsulated mass had a red-tan hemorrhage cut surface with areas of necrosis.

**Contributor: John McGill, M.D.
Santa Monica, CA**

Case No. 4 - October 2011 A

Tissue from: Parathyroid

Accession #25808

Clinical Abstract:

A 56 year-old woman had symptoms of renal lithiasis and was found to have significantly elevated serum calcium and parathormone levels. A preoperative CT scan showed a large mass at the inferior pole of the thyroid, pushing the thyroid anteriorly. At surgery, the enlarged parathyroid was densely adherent to the surround tissues and showed hemorrhage into the gland.

Gross Pathology:

The 10 gram, 3.7 x 2.7 x 1.8 cm encapsulated mass showed a deep red cut surface with numerous blood-filled cysts.

Contributor: Lester Thompson, M.D.
Woodland Hills, CA

Case No. 5 - October 2011 A

Tissue from: Thyroid

Accession #30736

Clinical Abstract:

A 76 year-old woman presented with a mass in her thyroid gland.

Gross Pathology:

The resected thyroid had a 1.5 cm solid mass.

Contributor: Lester Thompson, M.D.
Woodland Hills, CA

Case No. 6 - October 2011 A

Tissue from: Thyroid

Accession #30739

Clinical Abstract:

This 36 year-old woman had mass in the left lobe of her thyroid gland. Ultrasound was read as a solid mass.

Gross Pathology:

Not available.

Contributor: Pamela Boswell, D.O.
La Jolla, CA

Case No. 7 - October 2011 A

Tissue from: Thyroid

Accession #31182

Clinical Abstract:

A 58 year-old man presented with thyroidal enlargement.

Gross Pathology:

The 43 gram thyroidectomy specimen contained a 3.5 x 3.5 x 2.5 cm firm irregular tumor in the inferior aspect of left lobe.

Contributor: Lester Thompson, M.D.
Woodland Hills, CA

Case No. 8 - October 2011 A

Tissue from: Thyroid

Accession #30733

Clinical Abstract:

A 44 year-old woman presented with a mass in the right lobe of her thyroid. Her preoperative evaluation showed elevated serum calcitonin levels.

Gross Pathology:

The resected thyroid contained a 3.5 cm solid fleshy mass.

Contributor: Lester Thompson, M.D.
Woodland Hills, CA

Case No. 9 - October 2011 A

Tissue from: Thyroid

Accession #30734

Clinical Abstract:

This 65 year-old woman complained of an enlarging mass in her left neck. A thyroidectomy was performed following a fine needle aspiration.

Gross Pathology:

The resected thyroid contained a 4 cm diameter mass.

Contributor: Lester Thompson, M.D.
Woodland Hills, CA

Case No. 10 - October 2011 A

Tissue from: Thyroid

Accession #31408

Clinical Abstract:

This 56 year-old woman had diffuse thyroidal enlargement.

Gross Pathology:

The 56 gram thyroidectomy specimen was 7.4 x 5.8 x 3.4 cm. The cut surfaces were nodular, pale pink and fleshy. Fibrosis and necrosis were not evident.

Special Studies:

BCL-2: Scattered numbers of strong staining cells in the diffuse and nodular areas

CD20: Strong diffuse staining of lymphoid cells

CD3: Highlights plasma cells and plasmacytoid cells

Kappa: Highlights scattered plasma cells in the areas surrounding the nodular foci