

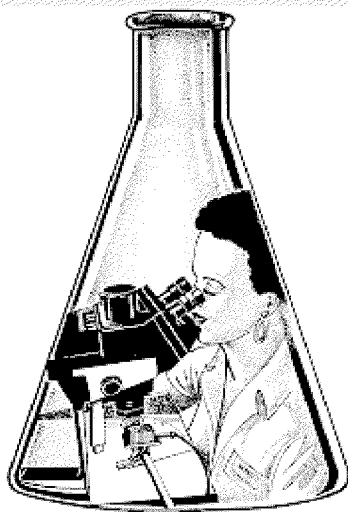


CALIFORNIA
TUMOR TISSUE REGISTRY

“GENERAL PATHOLOGY”

Study Cases, Subscription B

April 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: Antoinette D. Mahoney, M.D.
Anaheim, CA**

Case No. 1 - April 2011 B

Tissue from: Thymus

Accession #25971

Clinical Abstract:

This 10 year-old girl presented with cervical lymphadenopathy associated with an upper respiratory tract infection. She noted shortness of breath upon exertion but denied chest pain either with exertion or at rest. A CT scan showed a large partially cystic anterior mediastinal mass. At surgery, the mass was cleanly dissected from the surrounding structures.

Gross Pathology:

The 192 gram, 12 x 9.5 x 4.5 cm thymus had cystic areas up to 9 cm in greatest diameter.

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

Case No. 2 - April 2011 B

Tissue from: Adrenal gland

Accession #31199

Clinical Abstract:

This 54 year-old woman had a clinical presentation of Cushing disease. An adrenalectomy was performed.

Gross Pathology:

A 398 gram adrenal gland was resected. The cut surface showed extensive necrosis and hemorrhage, with extension into the renal capsule.

Contributor: Dominic A. DeSanto, M.D.
San Diego, CA

Case No. 3 - April 2011 B

Tissue from: Thyroid

Accession #08011

Clinical Abstract:

A 47 year-old woman complained of nervousness, tachycardia and weight loss for several months. She had first noticed a neck mass 9 years before presentation but recently it had been enlarging. Physical examination showed a 6 cm freely movable irregular firm mass in the right lobe of her thyroid gland and a firm 3 cm mass in the left lobe. She was given radioactive iodine and propylthiouracil 7 weeks prior to surgery.

Gross Pathology:

The resected thyroid was 31 grams and had a 2 cm mass in the right lobe and a 1 cm mass in the left lobe.

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

Case No. 4 - April 2011 B

Tissue from: Right lobe of thyroid

Accession #30657

Clinical Abstract:

A 52 year-old man had an enlarging neck mass for 2-3 months prior to work-up.

Gross Pathology:

The 39 gram, 6 x 4.5 x 3.5 cm lobe of thyroid had a 6 x 4 x 3 cm white-tan mass almost completely infiltrating the entire lobe.

**Contributor: LLUMC Pathology Group (gws)
Loma Linda, CA**

Case No. 5 - April 2011 B

Tissue from: Skin of scalp & face

Accession #30776

Clinical Abstract:

This 78 year-old man had a history of multiple non-melanoma skin cancers. He presented with new nodules on his scalp, the largest being 7 cm in greatest diameter.

Gross Pathology:

The 197 gram, 22 x 11 x 1.5 cm excision of skin with attached parotid gland had multiple cutaneous and subcutaneous nodules up to 4.5 cm in greatest diameter.

**Contributor: Ellen Ko, M.D.
Colton, CA**

Case No. 6 - April 2011 B

Tissue from: Left breast

Accession #31098

Clinical Abstract:

A 55 year-old woman had a left breast mass.

Gross Pathology:

The 1,035 gram mastectomy specimen was 24 x 19 x 18 cm. Near the lateral aspect of the resection was a 4.5 x 4.5 cm relatively well circumscribed nodular firm mass. The cut surface showed fleshy tan-pink papillary frond-like structures with slit-like spaces.

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

Case No. 7 - April 2011 B

Tissue from: Back

Accession #30688

Clinical Abstract:

For some time this 85 year-old man had noticed a mass in his lower back. He requested its removal because it bothered him when he leaned back in chairs.

Gross Pathology:

The 13 gram, 4.5 x 3 x 1.5 cm well- encapsulated, pale tan to gray, soft tissue fragment had a firm tan to yellow glistening cut surface.

**Contributor: E. F. Ducey, M.D.
Ventura, CA**

Case No. 8 - April 2011 B

Tissue from: Left testis

Accession #12436

Clinical Abstract:

This 31 year-old man had gradual, painless swelling of his left testis for about 3 months prior to surgery.

Gross Pathology:

A 10 x 7 cm smooth oval mass had 13 cm of attached spermatic cord. The cut surface showed the testicular parenchyma almost completely replaced by a multilobate moderately firm tumor having a variegated color with numerous confluent geographic areas of hemorrhage and necrosis.

**Contributor: William E. Cowell, M.D.
Oceanside, CA**

Case No. 9 - April 2011 B

Tissue from: Skin of chest & axilla

Accession #22067

Clinical Abstract:

A 21 year-old man presented with a left axillary mass that he had noticed for some time but that has started enlarging rapidly in the prior 10 days. Physical examination also revealed a pigmented nevus on the anterior chest wall.

Gross Pathology:

The axillary mass was approximately 5 x 4 x 4 cm. The size of the skin nodule is not available.

**Contributor: LLUMC Pathology Group (mp)
Loma Linda, CA**

Case No. 10 - April 2011 B

Tissue from: Right kidney

Accession #31245

Clinical Abstract:

This 67 year-old woman had a right renal mass.

Gross Pathology:

The 890 gram, 20 x 11 x 10.5 cm kidney had an 11 x 10 x 9 cm mass replacing most of the renal parenchyma. The tumor was white-tan with softened yellow areas as well as areas of hemorrhage and necrosis.