



CALIFORNIA  
TUMOR TISSUE REGISTRY

**“GENERAL PATHOLOGY”**  
Study Cases, Subscription B

**October, 2004**



**California Tumor Tissue Registry**  
c/o: Department of Pathology and Human Anatomy  
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Web site & Case of the Month: [www.cttr.org](http://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:**

Weldon K. Bullock, MD  
Donald R. Chase, MD

**CME Credit:**

Loma Linda University School of Medicine designates this continuing medical education activity for up to 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: Evelyn Blazado, M.D.**  
**National City, CA**

**Case No. 1 - October, 2004**

**Tissue from: Right breast**

**Accession #29596**

**Clinical Abstract:**

During routine medical care, a 41-year-old female was found to have a tender right breast mass. There was no history of previous injury or trauma. An excisional biopsy was performed.

**Gross Pathology:**

Four fragments of tan-yellow soft tissue measured up to 3.5 x 2.0 x 1.0 cm in largest diameter. Sectioning revealed pale white and pale yellow surfaces.

**Special Studies:**

PAS, AFB: Negative for organisms.

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

**Case No. 2 - October, 2004**

**Tissue from: Right parotid gland**

**Accession #29607**

**Clinical Abstract:**

A 39-year-old male with a history of a deep lobe right parotid mass, confirmed with MRI imaging, underwent a parotidectomy.

**Gross Pathology:**

Within the 3.0 x 2.2 x 1.5 cm, 9.8 gram, shaggy, red-tan, lobulated specimen was a homogenous white lobulated mass composing 95% of the specimen.

**Contributor: Nora Ostrzega, M.D.  
Sylmar, CA**

**Case No. 3 - October, 2004**

**Tissue from: Left kidney**

**Accession #29830**

**Clinical Abstract:**

For several months, this 32-year-old Caucasian female had noticed some nausea and vomiting after meals. A CT scan revealed a large left renal mass, suspicious for malignancy. The patient underwent a left radical nephrectomy.

**Gross Pathology:**

The 3300 gram, 25 x 15 x 15 cm kidney contained a 25 x 15 cm beige/pale tan tumor with focal areas of hemorrhage and necrosis.

**Special Studies:**

Positive:	Keratin, CAM 5.2, Colloidal iron
Negative:	Vimentin, HMB-45

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

**Case No. 4 - October, 2004**

**Tissue from: Right adnexa**

**Accession #29872**

**Clinical Abstract:**

A 20-year-old female was found to have a pelvic mass on work-up. Alpha fetoprotein was elevated to 95,000. A right salpino-oophorectomy was performed.

**Gross Pathology:**

The 1923 gram, 23.5 x 14.3 x 13.5 cm multicystic pink-tan ovary contained multiple smooth-walled, mucinous, fluid-filled cysts ranging from 0.2 to 7.5 cm in greatest diameter. There were also multiple areas of well-defined black-red clots ranging from 0.2 to 5.5 cm in greatest diameter. Many of these cystic spaces were filled with fine, trabecular pink-tan soft tissue with a mucinous stroma. These cystic areas alternated with a variegated pink-tan and hemorrhagic stroma.

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

**Case No. 5 - October, 2004**

**Tissue from: Right proximal humerus**

**Accession #29598**

**Clinical Abstract:**

A 23-year-old male presented with a recurrent mass in the right shoulder. The mass had become increasingly painful and was increasing in size. The original mass had been excised five years previously. A piecemeal resection of the right proximal humerus was performed.

**Gross Pathology:**

The 240 gram aggregate included finely nodular cartilage in fragments ranging from about 1 cm to 7 cm in size, with thin shells of attenuated bone on some fragments.

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**Contributor: Stephen Romansky, M.D.**  
**Long Beach, CA**

**Case No. 6 - October, 2004**

**Tissue from: Left parietal skull**

**Accession #29757**

**Clinical Abstract:**

A 24-year-old Hispanic male underwent radiographic studies for a suspected skull mass. Imaging studies revealed a 6.0 cm left parietal lucent lesion. CT revealed a 5.0 x 4.5 x 2.5 cm expansile, enhancing lesion, which did not appear to protrude into the intracranial cavity. There was thinning/erosion involving both the inner and outer tables of the left parietal bone. The mass was excised.

**Gross Pathology:**

The specimen consisted of an oval-shaped bony fragment measuring 7.0 x 5.5 x 1.0 cm. A mass was identified in the center of the bone, measuring 4.5 x 4.0 x 2.5 cm. Sectioning revealed a focally solid, tan-white, spongy appearance filled with blood.

**Contributor: Henry D. Slosser, M.D.**  
**Pasadena, CA**

**Case No. 7 - October, 2004**

**Tissue from: Left hand**

**Accession #29862**

**Clinical Abstract:**

After complaining of severe pain in her left hand, this 82-year-old female was found to have a large mass involving the thenar eminence of the left thumb. A below-the-wrist amputation was performed.

**Gross Pathology:**

The specimen consisted of a below-the-wrist amputation of the left hand, measuring 20.0 x 11.5 x 4.5 cm. Involving the palmar aspect of the amputated hand, at the thenar eminence of the thumb and extending to the mid-region of the palm, was a 7.5 x 4.0 x 3.5 cm, firm, ovoid mass. The cut surface was bosselated, friable, and glistening light tan myxoid/mucoid.

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

**Case No. 8 - October, 2004**

**Tissue from: Retroperitoneum**

**Accession #29814**

**Clinical Abstract:**

A 56-year-old female with a history of Hodgkin's lymphoma 20 years ago, status-post radiation treatment and exploratory laparotomy with splenectomy, was found on CT scan to have a 4-5 cm mass on the aorta near the renal hilum. There was also a questionable mass in the left kidney.

**Gross Pathology:**

The 4.3 x 2.6 x 2.5 cm rubbery, firm, shaggy, red-tan tumor had a variegated tan-red cut surface with focal areas of hemorrhage.

**Special Studies:**

Positive: HMB-45, Desmin, Actin, Ki-67  
Negative: Low molecular weight cytokeratin (CAM 5.2), CD31, CD34

**Contributor: Pamela D. Boswell, M.D.**  
**San Diego, CA**

**Case No. 9 - October, 2004**

**Tissue from: Brachial plexus**

**Accession #29583**

**Clinical Abstract:**

A 68-year-old female with unilateral upper extremity weakness presented years after receiving radiation for a thyroid tumor. Work-up revealed a mass in the brachial plexus. The mass was excised.

**Gross Pathology:**

The specimen consisted of a roughly cylindrical portion of gray-tan soft tissue that measured 12.0 cm in length and had a diameter that ranged from 1.0 cm at one pole to 0.4 cm at the opposite pole.

**Special Studies:**

Positive	=	S-100 protein, Vimentin
Negative	=	Pancytokeratin, EMA, Desmin, HMB-45, SMA, CD34

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**Contributor: Chester A. Spears, M.D.**  
**Emporia, KS**

**Case No. 10 - October, 2004**

**Tissue from: Bilateral testicles**

**Accession #29666**

**Clinical Abstract:**

An otherwise healthy, 89-year-old male presented with painless enlargement of the testicles. CT scan and MRI revealed no lymph node enlargement. CBC was within normal limits. On physical examination, the testicles measured 2.5 x 2.0 x 1.0 cm and 7.0 x 3.0 x 2.0 cm. Bilateral orchiectomies were performed.

**Gross Pathology:**

The 147.1 gram, 7.5 x 7.5 x 4.0 cm right testicle included the spermatic cord. At the distal end of the cord was a 3.5 x 3.5 x 1.0 cm hemorrhagic mass with a fish flesh consistency. The 75 gram left testicle had a 3.0 x 3.0 x 0.4 cm brown mass in the lower pole.