



CALIFORNIA  
TUMOR TISSUE REGISTRY

## **“GENERAL PATHOLOGY”**

**Study Cases, Subscription A**

**May 2003**



**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: William Illig, M.D.**  
**Tulsa, OK**

**Case No. 1 - May 2003**

**Tissue from: Tonsils and adenoids**

**Accession #29295**

**Clinical Abstract:**

Over a five day period this 19-year-old female developed a sore throat and progressive malaise with headaches. Because of the increasing airway obstruction, which was quite dramatic, an emergency operation for removal of the enlarged and ulcerated tonsils and adenoids was performed.

**Gross Pathology:**

The aggregate of tonsils and adenoids measured 9.0 x 8.0 x 2.5 cm.

**SPECIAL STUDIES:**

CD-3 & CD-20      A mixed population of T- & B-cells

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**Contributor: Guillermo Acero, M.D.**  
**Santa Paula, CA**

**Case No. 2 - May 2003**

**Tissue from: Ovary**

**Accession #29289**

**Clinical Abstract:**

On routine examination, this 49-year-old was found to have a firm, solid-feeling pelvic mass. Ultrasound revealed a solid left adnexal mass. An exploratory laparotomy and left salpingo-oophorectomy was performed.

**Gross Pathology:**

The 517 gram, 13.0 x 10.0 x 8.0 cm ovarian mass had a firm nodular yellow and brown surface.

**Contributor: Kenneth A. Frankel, M.D.  
Glendale, CA**

**Case No. 3 - May 2003**

**Tissue from: Right ovary**

**Accession #29446**

**Clinical Abstract:**

A cystic mass was noted in the right ovary of this 53-year-old female.

**Gross Pathology:**

The 624 gram, 16.0 cm diameter ovoid mass was soft and had a cystic cavity filled with semisolid chocolate brown material. On the inner aspect of the cyst was a 5 cm fleshy tan solid area.

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

**Case No. 4 - May 2003**

**Tissue from: Ovaries**

**Accession #29556**

**Clinical Abstract:**

After fifteen months of tenderness and pain in her lower abdomen, this 36-year-old female was found to have a large pelvic mass. Past history included a cholecystectomy several years earlier, a benign fibroadenoma of the breast and cervical dysplasia.

**Gross Pathology:**

Both ovaries were replaced by tumor having smooth, glistening, edematous areas intermixed with coarsely granular areas and multiple cystic regions. The 1,180 gram right ovary was 21.0 x 16.0 x 5.0 cm. The 252 gram left ovary was 11.0 x 9.0 x 6.0 cm.

**Contributor: Alexander K. Lyster, M.D.**  
**Victoria, TX**

**Case No. 5 - May 2003**

**Tissue from: Right upper eyelid**

**Accession #29300**

**Clinical Abstract:**

This five-year-old female had a recurrent mass resected from her right upper eyelid.

**Gross Pathology:**

The 3.2 x 2.0 x 1.8 cm right eyelid had a solid white mass.

**SPECIAL STUDIES:**

Desmin	strongly positive
S-100	focal, faint staining

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**Contributor: Neda Moatamed, M.D.**  
**Los Angeles, CA**

**Case No. 6 - May 2003**

**Tissue from: Esophagus**

**Accession #29485**

**Clinical Abstract:**

After experiencing seven months of dyspnea and dysphagia, this 63-year-old male was found to have an esophageal mass.

**Gross Pathology:**

The mass measured 27.0 cm in greatest dimension.

**SPECIAL STUDIES:**

CD-34	positive
CD-117	positive
S-100	negative
Desmin	negative

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

**Case No. 7 - May 2003**

**Tissue from: Pancreas**

**Accession #29576**

**Clinical Abstract:**

An obese 28-year-old female was found to have a large mass in the head of her pancreas.

**Gross Pathology:**

Within the pancreas was a 9.0 x 8.0 x 8.0 cm firm white-tan tumor.

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

**Case No. 8 - May 2003**

**Tissue from: Small bowel mesentery**

**Accession #29510**

**Clinical Abstract:**

A 56-year-old male was found to have an abdominal mass on workup. Past medical history included nephrectomy for renal cell carcinoma. A small bowel resection was performed.

**Gross Pathology:**

The 456 gram, 26.0 cm length of small bowel had two separate mesenteric nodules measuring 6.5 x 6.3 x 6.2 cm and 7.3 x 5.9 x 7.4 cm. The larger tumor extended into the mucosa with focal ulceration. Two additional small bowel resections each had a similar mesenteric nodule.

**Contributor: Robert H. Zuch, M.D.**  
**Baldwin Park, CA**

**Case No. 9 - May 2003**

**Tissue from: Left buttock**

**Accession #29457**

**Clinical Abstract:**

This 54-year-old female developed a mass on the left buttock

**Gross Pathology:**

The 9.2 x 2.2 cm ellipse of gray-tan skin had a 8.0 x 7.0 x 4.0 cm white-tan whorled mass in its deep aspect.

**SPECIAL STUDIES:**

Pan-cytokeratin	negative
EMA	negative
Desmin	negative
CD31	positive in blood vessels
CD34	diffuse positive
S100	negative
SMA & MSA	positive around blood vessels

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**Contributor: Guillermo Acero, M.D.**  
**Santa Paula, CA**

**Case No. 10 - May 2003**

**Tissue from: Retroperitoneum**

**Accession #29338**

**Clinical Abstract:**

During a prostatic workup, an abdominal mass was noted in this 69-year-old male. At surgery, a left upper quadrant retroperitoneal mass was found to involve the tail of the pancreas and the spleen.

**Gross Pathology:**

A 13.0 x 10.5 x 8.0 cm multi-lobulated solid mass filled the hilum of the spleen.

**SPECIAL STUDIES:**

S-100	negative
Desmin	negative
CAM5.2	negative
LCA (CD45)	negative
CD34	positive