



CALIFORNIA  
TUMOR TISSUE REGISTRY

## **“GENERAL PATHOLOGY”**

**Study Cases, Subscription A**

**OCTOBER 1999**



**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](mailto:cttr@linkline.com)**

**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: Nelson Quigley, M.D.**  
**Anaheim, CA**

**CASE NO. 1 - OCTOBER 1999**

**TISSUE FROM: Frontal lobe**

**ACCESSION #28386**

**CLINICAL ABSTRACT:**

After developing progressive mental slowing and left hemiparesis, this 64-year-old Asian female was found to have a mass in the region of the right frontal lobe. CT scan and MRI showed a large contrast-enhancing mass that involved the right posterior frontal lobe underneath the coronal suture, extending toward the motor strip, with major midline shift and brain compression.

**GROSS PATHOLOGY:**

The resected tumor formed a 110 gram aggregate white-tan granular tissue fragments.

---

**CONTRIBUTOR: Mark Janssen**  
**Anaheim, CA**

**CASE NO. 2 - OCTOBER 1999**

**TISSUE FROM: Left occipital lobe**

**ACCESSION #28292**

**CLINICAL ABSTRACT:**

An episode of right-sided weakness and right hemianopsia led this 54-year-old black male to seek medical attention. MRI revealed a large left occipital tumor with evidence of hemorrhage within the tumor.

**GROSS PATHOLOGY:**

The specimen was received in multiple parts and formed an aggregate of about 4 cm of pink white tissue fragments.

**CONTRIBUTOR: Kenneth Wollesen, M.D.  
San Bernardino, CA**

**CASE NO. 3 - OCTOBER 1999**

**TISSUE FROM: Second metacarpal**

**ACCESSION #28384**

**CLINICAL ABSTRACT:**

This 21-year-old male presented with a two-year history of a slow growing tumor in the dorsal-radial aspect of the right hand. Radiographs showed a multiloculated cystic lytic lesion covering and enlarging the shaft of the second metacarpal, with an overlying soft tissue mass.

**GROSS PATHOLOGY:**

The 17 gram specimen consisted of irregular red-tan to tan-brown and yellow-tan tissue fragments.

---

**CONTRIBUTOR: Nelson Quigley, M.D.  
Anaheim, CA**

**CASE NO. 4 - OCTOBER 1999**

**TISSUE FROM: Right thigh**

**ACCESSION #28285**

**CLINICAL ABSTRACT:**

This 86-year-old Latino male complained of a slowly enlarging mass on the inner aspect of his right thigh. At surgery, the nodule was intimately associated with the greater saphenous vein.

**GROSS PATHOLOGY:**

A 4.2 gram, rubbery, pale yellow-tan, elliptical mass 2.0 x 1.5 x 1.4 cm. Sectioning showed a faintly whorled, white, fairly homogeneous mass with a slightly softer central area.

**SPECIAL STAINS:**

Ki67	10% of cells are positive
Desmin	Strongly positive

**CONTRIBUTOR: William P. Snider, M.D.**  
**West Covina, CA**

**CASE NO. 5 - OCTOBER 1999**

**TISSUE FROM: Shoulder**

**ACCESSION #25268**

**CLINICAL ABSTRACT:**

A 13-year-old Caucasian female noted a pea-sized nodule on the lateral aspect of the right shoulder. A month later the nodule had enlarged and an excisional biopsy was performed.

**GROSS PATHOLOGY:**

The 2.5 x 2.2 x 1.7 cm pale nodule had a mottled soft interior.

**SPECIAL STAINS:**

S100	positive
CAM5.2	negative
EMA	negative

---

**CONTRIBUTOR: Wafa F. Michael, M.D.**  
**Fontana, CA**

**CASE NO. 6 - OCTOBER 1999**

**TISSUE FROM: Ovary**

**ACCESSION #24021**

**CLINICAL ABSTRACT:**

An ovarian cyst was removed from this 54-year-old female.

**GROSS PATHOLOGY:**

The specimen was partially solid, partially cystic. The cystic areas contained gelatinous colloid-like material.

**CONTRIBUTOR: Frank DeGregorio, M.D.  
Sylmar, CA**

**CASE NO. 7 - OCTOBER 1999**

**TISSUE FROM: Left adrenal**

**ACCESSION #27930**

**CLINICAL ABSTRACT:**

Flank and abdominal pain brought this 48-year-old obese female to medical attention. CT scan showed a mass in the left adrenal gland.

**GROSS PATHOLOGY:**

The 263 gram specimen measured 9.0 x 7.5 x 5.5 cm. The cut surface showed dark brown homogenous tumor and a 2.5 cm portion of normal adrenal gland.

---

**CONTRIBUTOR: LLUMC Pathology Group (mra)  
Loma Linda, CA**

**CASE NO. 8 - OCTOBER 1999**

**TISSUE FROM: Left adrenal gland**

**ACCESSION #28550**

**CLINICAL ABSTRACT:**

This 7-year-old Caucasian female presented with headache, nausea, vomiting, dehydration and abdominal pain and was found to be in hypertensive crisis. She had a history of seizure disorder. Work-up found an enlarged left adrenal gland.

**GROSS PATHOLOGY:**

The 23 gram, 8.0 x 4.0 x 3.0 cm adrenal gland contained a 4.0 x 3.5 x 3.0 cm encapsulated spherical tan-brown mass. The cut surface of the mass was yellow-tan and brown-tan mottled with intermixed hemorrhagic foci.

**CONTRIBUTOR: Janice Tiller-Borcich, M.D.**  
**Orange, CA**

**CASE NO. 9 - OCTOBER 1999**

**TISSUE FROM: Left neck**

**ACCESSION #27786**

**CLINICAL ABSTRACT:**

This 34-year-old male patient developed a soft palpable mass in the neck near the carotid artery. An excisional biopsy was performed.

**GROSS PATHOLOGY:**

The mass measured 2.0 x 1.5 x 1.0 cm and was thinly encapsulated. The cut surface was homogeneous, firm, and yellow.

**SPECIAL STAINS:**

Calcitonin	positive
Chromogranin	positive
CAM 5.2	positive

---

**CONTRIBUTOR: Philip G. Robinson, M.D.**  
**Boynton Beach, FL**

**CASE NO. 10 - OCTOBER 1999**

**TISSUE FROM: Bowel mesentery**

**ACCESSION #28290**

**CLINICAL ABSTRACT:**

For the past two years this 82-year-old Caucasian female had complained of intermittent diarrhea. She had lost about ten pounds over the few months. Colonoscopy revealed an abdominal mass in the left upper quadrant.

**GROSS PATHOLOGY:**

The specimen consisted of a 650 gram, 15.0 x 13.0 x 7.9 cm portion of bosselated tan-pink tissue with areas of adherent yellow adipose tissue. Multiple cut sections demonstrated a central area of hemorrhage and necrosis with surrounding gray to tan lobulated rubbery tissue.

**SPECIAL STUDIES:**

S-100	focally positive
Chromogranin	focally positive
AE1/AE3 keratin	Diffuse strong positivity