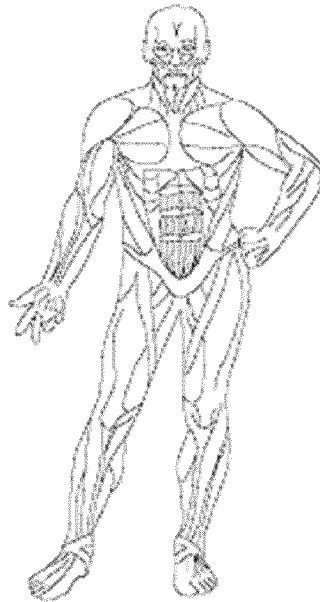


**CALIFORNIA  
TUMOR TISSUE REGISTRY**

## **“SOFT TISSUE PATHOLOGY”**

**Study Cases, Subscription A**

**October 2009**



**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**  
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**Web page: [www.cttr.org](http://www.cttr.org)**  
**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:**

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 (rl)  
Loma Linda, CA**

**Case No. 1 - October 2009 A**

**Tissue from: Left shoulder**

**Accession #31029**

**Clinical Abstract:**

A 61 year old man presented with a mass in his left shoulder and underwent resection.

**Gross Pathology:**

The 27 gram specimen was 7 x 4.5 x 1.5 cm. The cut surface showed slightly mucinous-appearing yellow tissue.

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

**Case No. 2 - October 2009 A**

**Tissue from: Skull**

**Accession #31069**

**Clinical Abstract:**

This 2 year old boy was found to have a mass in his right frontotemporal skull. A CT scan showed a 10 cm enhancing mass with calcification and slight remodeling of the underlying skull.

**Gross Pathology:**

The 110 gram specimen consisted to two white-pink fibrous masses which fit together to form a hemispheric mass. The two pieces were 8 and 7.5 cm in greatest diameter.

**Special Studies:**

Positive: Smooth muscle actin

Negative: Desmin, S100, CD31

**Contributor: Matjaz Sebenik, M.D.  
Deerfield Beach, FL**

**Case No. 3 - October 2009 A**

**Tissue from: Left groin node**

**Accession #31036**

**Clinical Abstract:**

An 80 year old man presented with localized dark discoloration of his left leg and an enlarged left groin node. The discoloration on his leg was also biopsied and found to be a 2.8 mm thick malignant melanoma.

**Gross Pathology:**

The lymph node was 6 x 6x x4 cm.

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

**Case No. 4 - October 2009 A**

**Tissue from: Right foot**

**Accession #31075**

**Clinical Abstract:**

An 18 year old man had a recurrent mass removed from his right foot and ankle.

**Gross Pathology:**

The 168 gram specimen consisted of a 10.5 x 8 x 4.5 cm encapsulated white-tan nodular mass with overlying skin. The cut surface was white, whorled without hemorrhage or necrosis.

**Contributor: Donald Bradburn, M.D.**  
**New Orleans, LA**

**Case No. 5 - October 2009 A**

**Tissue from: Vulva**

**Accession #30988**

**Clinical Abstract:**

After 20 years of having a mass in her right labium majorum, this 57 year old woman underwent resection of the mass.

**Gross Pathology:**

The 298 gram lobulated specimen was 10 x 9 x 5 cm. The cut surface varied from tan to red with speckled areas of yellow, apparently necrosis.

Special Studies:

Positive: CD34 (focal), vimentin, BCL2

Negative: HMB45, S100, Desmin

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**Contributor: Chester Spears, M.D.**  
**Sikeston, MO**

**Case No. 6 - October 2009 A**

**Tissue from: Axilla**

**Accession #30828**

**Clinical Abstract:**

After experiencing a bee sting on her right wrist, this 30 year old woman noticed a right axillary mass, which she initially thought was related to the sting. The persistent mass was later interpreted as possible lymphoma and she underwent excision of the mass.

**Gross Pathology:**

The 6 x 6 x 5 cm specimen was red-yellow with a rubbery consistency.

Special Studies:

Positive: EMA

Negative: S100, Melan-A, Pan-keratin, desmin, actin

**Contributor: Jin Mei, M.D.**  
**Hangzhou, China**

**Case No. 7 - October 2009 A**

**Tissue from: Maxilla and orbit**

**Accession #30975**

**Clinical Abstract:**

A 44 year old woman underwent resection of a right nasal cavity mass. Six month later the mass recurred, involving right maxillary bone and orbit.

**Gross Pathology:**

Not available.

Special Studies:

Positive: CD117

Negative: Desmin, myogenin, S100, HMB45, pan-cytokeratin, CD 34 (positive in vessels only)

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

**Case No. 8 - October 2009 A**

**Tissue from: Left testis**

**Accession #31015**

**Clinical Abstract:**

This 7 year old boy was found to have a para-testicular mass.

**Gross Pathology:**

The radical orchiectomy specimen included a 7 x 3.5 x 2.5 cm tan-white tumor which surrounded but did not invade the testis.

Special Studies:

Positive: Desmin, myogenin

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

**Case No. 9 - October 2009 A**

**Tissue from: Stomach & right colon**

**Accession #30634**

**Clinical Abstract:**

This 64 year old man presented with bowel obstruction. He underwent en bloc resection of right transverse colon, distal stomach and proximal duodenum.

**Gross Pathology:**

The composite resection weighed 1,345 grams and contained an 18 x 12 x 5 cm white-tan mass that was attached to the serosal surface of the colon and stomach. The cut surface showed a firm white-tan mass with focal soft mucoid areas. In one region, the mass appeared to penetrate through the colon wall to elevate but not ulcerate the mucosa.

**Special Studies:**

Positive: CD117

Negative: Cytokeratin, desmin, actin, S100

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**Contributor: Roy Nombudripad, M.D.  
Long Beach, CA**

**Case No. 10 - October 2009 A**

**Tissue from: Heart**

**Accession #30891**

**Clinical Abstract:**

This previously healthy 32 year old man presented with a 3-week history of increasing dyspnea on exertion. A CT scan showed a mass in the left atrium of his heart, with extension into pulmonary veins.

**Gross Pathology:**

The 6 x 5 x 4 cm specimen had gelatinous regions admixed with a 4 x 3 x 3 cm pale, solid, firm tumor.

**Special Studies:**

Positive: Desmin

Negative: Actin, EMA, CD31