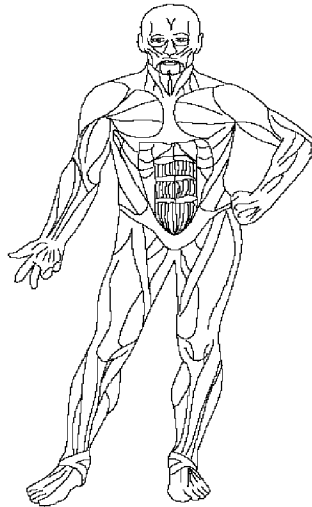




**CALIFORNIA
TUMOR TISSUE REGISTRY**

**Soft Tissue Tumors
Study Cases, Subscription B**

October, 2006



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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E-mail: cttr@linkline.com
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 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: Kenneth A. Frankel, M.D.
Glendale, CA**

Case No. 1 - October, 2006

Tissue from: Left atrium

Accession #30019

Clinical Abstract:

A 79-year-old woman had a left atrial mass.

Gross Pathology:

The 4.0 x 4.0 x 3.5 cm specimen consisted of dark, sharply circumscribed, pink-tan, firm, gelatinous material.

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

Case No. 2 - October, 2006

Tissue from: Vagina

Accession #29818

Clinical Abstract:

During routine prenatal care of this 36-weeks pregnant 17-year-old woman, a mass was noted at the vaginal introitus.

Gross Pathology:

The specimen consisted of a 4.0 x 2.7 x 1.6 cm pale tan to brown-tan, smooth, rubbery, polyp-like nodule.

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

Case No. 3 - October, 2006

Tissue from: Right kidney

Accession #30076

Clinical Abstract:

A right renal mass was noted during work-up of a 75-year-old woman for cholecystitis with cholelithiasis.

Gross Pathology:

The 14.5 x 7.2 x 7.0 cm kidney had a 7.6 x 5.3 x 6.8 cm well-demarcated, oval, yellow mass within the lower pole. It was fairly homogeneous yellow on cross-sectioning, with small foci of hemorrhage.

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

Case No. 4 - October, 2006

Tissue from: Small Bowel Mesentery

Accession #28944

Clinical Abstract:

During routine physical examination, this 24-year-old nulligravida woman was found to have an abdominal mass. CT scan showed an 18.0 x 13.0 x 7.0 cm mass in the superior abdomen, just to the right of midline.

Gross Pathology:

The 55 cm long portion of small bowel had a 15.0 x 13.0 x 10.0 cm, relatively well-circumscribed mass within the attached mesenteric adipose tissue. Sectioning revealed tan, rubbery, firm, and fleshy cut surfaces. The mass weighed 1,218 grams.

Special Studies:

Negative: CD34, S-100

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

Case No. 5 - October, 2006

Tissue from: Right leg

Accession #29953

Clinical Abstract:

A 28-year-old woman had a five-year history of a recurring lesion in the right leg. On physical examination, she had a new 3-4 cm circular lesion with some hyperpigmentation changes of the skin.

Gross Pathology:

The 7.5 x 3.4 x 1.6 cm ellipse of skin had a 3.0 x 2.5 x 1.5 cm firm nodule in the center of the specimen, with discoloration of the skin surface. No ulceration or necrosis was identified. Sectioning revealed a relatively well-demarcated firm tissue with multiloculated cysts in the nodule.

**Contributor: Gordon Hadley, M.D.
Hangzhou, China**

Case No. 6 - October, 2006

Tissue from: Left adrenal gland

Accession #30124

Clinical Abstract:

A 49-year-old woman presented with aching pain in the left lumbar region of five years' duration. During surgery, a mass in the region of the left adrenal gland was identified and removed.

Gross Pathology:

The adrenal gland was partially replaced by a 6.5 x 5.0 cm, well-defined, lobulated, firm, gray and light yellow tumor.

Special Studies:

Positive: Smooth muscle actin (focally), CD68, CD15, CD45
Negative: S-100 protein, Desmin, Keratin

Contributor: LLUMC Pathology (ec)
Loma Linda, CA

Case No. 7 - October, 2006

Tissue from: Right shoulder

Accession #29957

Clinical Abstract:

A 98-year-old woman presented with a three month history of an enlarging mass in the deltoid area of the right shoulder. MRI of the shoulder demonstrated a 4.0 x 6.0 cm mass in the deltoid muscle.

Gross Pathology:

The 660 gram, 17.0 x 14.0 x 9.0 cm soft tissue mass was surmounted by a 15.0 x 9.0 cm ellipse of white-tan skin. There was a 6.5 x 6.0 cm smooth ellipse on the inferior surface corresponding to the area where the tumor abutted the humerus. The consistency and coloration of the tumor ranged from yellow-tan to red-tan to white-tan, and from fatty to necrotic to firm.

Contributor: Arthur Koehler, M.D.
Los Angeles, CA

Case No. 8 - October, 2006

Tissue from: Right upper arm

Accession #30004

Clinical Abstract:

A 52-year-old woman presented with a recurrent mass in the right upper arm. The mass was excised.

Gross Pathology:

The 529 gram mass was 17.5 x 10.0 x 5.0 cm. Sectioning revealed an ill-defined lobulated, pink to yellowish tumor occupying most of the specimen. The tumor was firm in consistency without gross areas of necrosis.

Contributor: Donald Rankin, M.D.
Fontana, CA

Case No. 9 - October, 2006

Tissue from: Uterus & cervix

Accession #28625

Clinical Abstract:

Because of a moderately enlarged fibroid uterus, a hysterectomy was performed on a 41-year-old woman.

Gross Pathology:

The uterine cavity of the 12.5 x 13.4 x 8.2 cm uterus was pushed to one side by a 9.0 x 10.0 x 6.5 cm white-tan mass in the myometrium.

Contributor: Ujvala Sawkar, M.D.
National City, CA

Case No. 10 - October, 2006

Tissue from: Right leg

Accession #29948

Clinical Abstract:

A 70-year-old woman presented with two lesions in the anterior tibial compartment, above the ankle, on the right leg. One lesion measured 9.0 x 4.5 cm, and the satellite lesion was 5.0 x 3.0 x 2.5 cm.

Gross Pathology:

The specimen consisted of multiple fragments of nodular soft tissue measuring 5.0 x 5.0 x 1.5 cm in aggregate. Sectioning showed tan homogeneous surfaces.

Special Studies:

Positive: Actin, Desmin (strongly)
Negative: Myoglobin, S-100 protein, CAM 5.2