

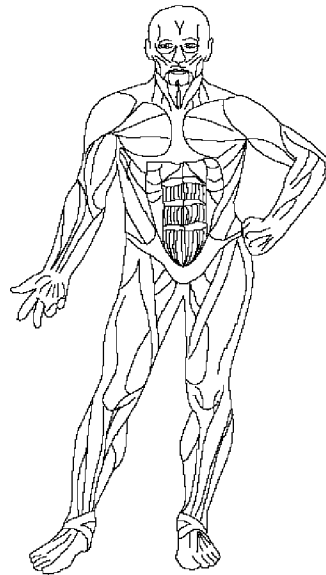


**CALIFORNIA
TUMOR TISSUE REGISTRY**

“SOFT TISSUE PATHOLOGY”

Study Cases, Subscription A

May 2002



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
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Web page: www.cttr.org
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:

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: Gholam Pezeshpour, M.D.
Fontana, CA**

Case No. 1 - May 2002

Tissue from: Left posterior thigh

Accession #29280

Clinical Abstract:

A painful mass developed in the left posterior thigh of this 16-year-old female.

Gross Pathology:

A 3.0 cm diameter well-circumscribed, partially encapsulated mass was removed from the deep muscle of the thigh.

SPECIAL STUDIES:

Vimentin	positive
Actin	positive
S-100	negative
Desmin	negative
Cytokeratin	negative

**Contributor: Ellen Ko, M.D.
Birmingham, AL**

Case No. 2 - May 2002

Tissue from: Right atrium

Accession #29366

Clinical Abstract:

While being evaluated for fatigue, nausea and vague epigastric discomfort after eating, this 66-year-old male was discovered to have a mass in his right atrium.

Gross Pathology:

The slightly irregular to smooth glistening mass measured 7.0 x 6.0 x 2.5 cm and ranged in color from tan to yellow to red.

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

Case No. 3 - May 2002

Tissue from: Right shoulder

Accession #29380

Clinical Abstract:

After several years of noting a mass in her right shoulder, this 32-year-old female opted to have it removed.

Gross Pathology:

A 10 cm disc of skin and subcutaneous tissue had a 4.2 x 3.8 x 3.2 cm centrally-placed raised nodule. The cut surface showed a homogeneous fleshy pink well circumscribed mass.

Contributor: John McGill, M.D.
Pasadena, CA

Case No. 4 - May 2002

Tissue from: Abdomen

Accession #29182

Clinical Abstract:

This 52-year-old male was found to have an abdominal mass.

Gross Pathology:

The encapsulated abdominal mass measured 45.0 x 43.0 x 15.0 cm and was removed with attached spleen and a portion of diaphragm. The cut surface was variegated pale to golden yellow and gray. Although predominantly solid and lobulated, the parenchyma did show some cystic degeneration and focal ill-defined calcification.

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

Case No. 5 - May 2002

Tissue from: Right lower extremity

Accession #29096

Clinical Abstract:

Over a three-month period, this 40 year old woman noticed a rapidly growing mass on the lateral aspect below her right knee. An MRI showed a 10 x 4.8 x 7.3 cm mass in the posterior compartment of the right leg along the later aspect of the knee.

Gross Pathology:

The 330 gram specimen included a 15.3 x 9.5 x 5.2 cm portion of lobulated adipose tissue with an overlying ellipse of skin. Within the adipose tissue was a 10.8 x 7.0 x 4.0 cm pink tan lobulated mass.

Contributor: Chisa Aoyama, M.D.
Sylmar, CA

Case No. 6 - May 2002

Tissue from: Abdominal wall

Accession #28888

Clinical Abstract:

For seven months, this 60-year-old male missed multiple appointments for surgical resection of an enlarging abdominal wall mass. When it was exquisitely tender, he reported to the ER and the mass was excised.

Gross Pathology:

The 256 gram, 14.0 x 6.5 x 7.5 cm irregular portion of fibrofatty tissue had a multinodular cut surface with fleshy areas and foci of necrosis.

SPECIAL STUDIES (Outside facility):

Vimentin	positive
Keratin	negative
CD68	positive
S-100	focal positivity

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

Case No. 7 - May 2002

Tissue from: Left anterior hip

Accession #29118

Clinical Abstract:

After experiencing pain and swelling in the upper thigh for three months, this 24-year-old male was found to have a left anterior thigh mass. Following radiation therapy, a radical resection was performed.

Gross Pathology:

The resected soft tissue specimen, with overlying skin, measured 18.0 x 13.0 x 5.5 cm, and contained a 4 x 5 x 7 cm bulging, bosselated gray-white mass.

SPECIAL STUDIES (Outside facility):

S-100	focally positive
Vimentin	diffuse strong positivity
CD99	diffuse strong positivity
Cytokeratin	focal strong positivity
EMA	focal strong positivity
Desmin	negative

Contributor: Howard Otto, M.D.
Cheboygan, MI

Case No. 8 - May 2002

Tissue from: Retroperitoneum

Accession #29073

Clinical Abstract:

For many years this 71-year-old female experienced left lower quadrant pain. After an exhaustive but non-diagnostic work-up, she requested an exploratory laparotomy. At surgery, a firm mass the 'size of a hardball' was found in the left mid-retroperitoneum. It was not associated with the mesentery, the aorta or the left ureter.

Gross Pathology:

The 52 gram, 6.0 x 5.5 x 4.0 cm firm nodule had a gritty gray whorled cut surface.

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

Case No. 9 - May 2002

Tissue from: Abdominal wall

Accession #29094

Clinical Abstract:

This 9-year-old male was found to have an abdominal wall mass, felt to be a recurrence of a previously resected tumor associated with the urinary bladder.

Gross Pathology:

The 21 gram, 4.5 x 4.5 x 3.0 cm portion of fibroadipose tissue contained a 2.7 x 2.4 x 2.4 cm well-circumscribed white whorled nodule.

SPECIALS STUDIES:

Desmin focally positive

Contributor: Farooq Ali, M.D.
Ventura, CA

Case No. 10 - May 2002

Tissue from: Leg

Accession #29193

Clinical Abstract:

A previously healthy 19-month-old male developed an enlarging solid subcutaneous mass over the lateral aspect of the left lower leg.

Gross Pathology:

A portion of skin with underlying subcutaneous tissue and deep fascia contained a rubbery, oval, circumscribed mass measuring 5.0 x 4.8 cm x 3.0 cm. The mass appeared to be contiguous with both dermis and the deep fascia.

SPECIAL STUDIES:

S-100 negative
CD34 positive