

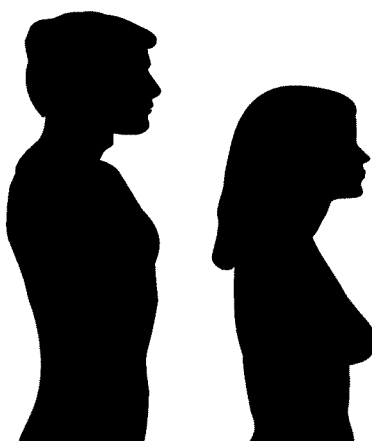


CALIFORNIA
TUMOR TISSUE REGISTRY

“Soft Tissue Tumors”

Study Cases, Subscription A

October 2005



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: Jozef Kollin, M.D.
Lakewood, CA

Case No. 1 - October 2005

Tissue from: Left chest wall

Accession #29983

Clinical Abstract:

After complaining of a nodule on his left upper chest, this 58 year old man underwent local excision for what was clinically presumed to be a cyst or lipoma.

Gross Pathology:

The specimen consisted of multiple fragments of rubbery-firm, granular, glistening, tan-orange to yellow-tan tissue, forming a 5 x 4 x 1.5 cm aggregate.

Special Studies:

| | |
|----------------------|----------|
| CD34 | positive |
| Cytokeratin cocktail | negative |
| S100 | negative |
| Actin | negative |

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

Case No. 2 - October 2005

Tissue from: Left foot

Accession #30095

Clinical Abstract:

For five months, after stubbing his foot, this 5 year old boy had noticed a gradually enlarging mass. Physical examination showed a 4 cm mass on the dorsum of his left foot. At surgery, there was capsular destruction of the second metatarsal-phalangeal joint. The dorsal aspect of the second metatarsal bone had a small depression but there was no definite bony invasion.

Gross Pathology:

The 2.5 x 1.5 x 1.1 cm irregular portion of tissue had a homogeneous tan-yellow cut surface.

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

Case No. 3 - October 2005

Tissue from: Right spermatic cord

Accession #30015

Clinical Abstract:

After six months of watching a right inguinal bulge, this 77 year old man presented for medical care. Physical exam showed a non-tender, non-reducible right inguinal hernia and a hernia repair was performed. A soft tissue mass, discovered at surgery, was resected.

Gross Pathology:

The 5.6 gram, 4 x 2 x 1.5 cm, lobulated rubbery-firm tan-yellow mass was thinly encapsulated. The cut surface showed lobular yellow tissue.

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

Case No. 4 - October 2005

Tissue from: Right thigh

Accession #29228

Clinical Abstract:

This 47 year old woman noticed a mass in her right thigh. An MRI showed a 14 cm mass involving the gracilis muscle, without extension across fascial planes.

Gross Pathology:

The 580 gram, 23 x 13 x 4.5 cm resection specimen contained an 18 x 8 x 4 cm well-circumscribed yellow-tan tumor. The cut surface was gelatinous with focal areas of hemorrhage and fibrosis.

**Contributor: Beverly Myers, M.D.
Sacramento, CA**

Case No. 5 - October 2005

Tissue from: Right axilla

Accession #29777

Clinical Abstract:

Twenty-three years after a right mastectomy for infiltrating duct carcinoma, this 85 year old woman was found to have a large right axillary mass.

Gross Pathology:

The 415 gram specimen included a 9.5 x 9.5 x 6 cm mass with overlying skin ellipse. Cut surface of the specimen showed a discrete nodule with central hemorrhage and areas of cavitation.

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

Case No. 6 - October 2005

Tissue from: Right atrium of heart

Accession #28490

Clinical Abstract:

Because of fever and tonsillar enlargement, the mother of this 2 year old girl brought her to clinic. During examination, an irregular heart beat was noted, confirmed by EKG. Echocardiogram showed a large sessile mass in the right atrium, which was resected.

Gross Pathology:

The 76.7 gram, 7 x 6 x 4 cm rubbery brown specimen contained four irregular soft white-yellow nodules.

**Contributor: Douglas Eglen, M.D.
Kokomo, IN**

Case No. 7 - October 2005

Tissue from: Uterus

Accession #29586

Clinical Abstract:

A 57 year old woman had a hysterectomy for a pelvic mass.

Gross Pathology:

Within the uterine fundus was a 5 cm diameter, sharply circumscribed, pale yellow-tan fibroid-like nodule.

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

Case No. 8 - October 2005

Tissue from: Retroperitoneum

Accession #30053

Clinical Abstract:

A 72 year old woman complained of an abdominal mass. At surgery, the mass was found to be within the mesentery of the sigmoid colon.

Gross Pathology:

The 132 gram, 7.5 x 7 x 6.5 cm smooth bosselated mass had a vaguely nodular, homogeneous tan-white cut surface.

Special Studies:

| | |
|---------------------|----------|
| Desmin | positive |
| Smooth muscle actin | positive |
| CD117 | negative |
| S100 | negative |

Contributor: LLUMC Pathology (wc)
Loma Linda, CA

Case No. 9 - October 2005

Tissue from: Right thigh

Accession #28852

Clinical Abstract:

Six months after this 81 year old woman first noticed a slowly enlarging mass in her right thigh, she underwent a right hip disarticulation.

Gross Pathology:

The 9,300 gram right leg had a 27 x 20 x 16 cm ill-defined mass occupying the entire posterior aspect of the thigh, invading adjacent muscle and producing an ulcer of the overlying skin. The cut surface of the tumor was heterogeneous hemorrhagic and yellow-tan, with areas of necrosis.

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

Case No. 10 - October 2005

Tissue from: Spleen

Accession #28938

Clinical Abstract:

During surgery for intestinal obstruction, this 51 year old woman was found to have a mass in the upper pole of the spleen.

Gross Pathology:

The 172 gram spleen had a 6 x 5.5 x 4.5 cm round gray-purple mass in the upper pole, covered by an intact capsule.

Special Studies:

| | |
|---------------------|------------------|
| Desmin | negative |
| S100 | negative |
| Smooth muscle actin | focally positive |
| CD31 | positive |
| CD34 | positive |