

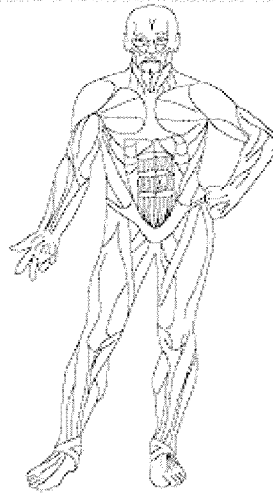


**CALIFORNIA
TUMOR TISSUE REGISTRY**

“SOFT TISSUE PATHOLOGY”

Study Cases, Subscription B

May 2013



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:

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: Robert James, M.D.
Ventura, CA**

Case No. 1 - May 2013 B

Tissue from: Left leg

Accession #31410

Clinical Abstract:

A 63 year-old woman presented with a left leg mass.

Gross Pathology:

The ellipse of skin with underlying tissue was 10 x 9 x 2 cm. Much of the underlying tissue was composed of a firm white-yellow dense fibrous process.

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

Case No. 2 - May 2013 B

Tissue from: Right distal forearm

Accession #31344

Clinical Abstract:

A 52 year old woman had a mass in her arm.

Gross Pathology:

The 295 gram, 11 x 8.5 x 5.5 cm nodular mass had a firm white cut surface.

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

Case No. 3 - May 2013 B

Tissue from: Right chest

Accession #31445

Clinical Abstract:

This 5 year-old girl had a right paraspinal mass.

Gross Pathology:

The 384 gram, 15 x 10 x 8 cm firm smooth tan mass had a white glistening cut surface.

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

Case No. 4 - May 2013 B

Tissue from: Right peri-adrenal tissue

Accession #31515

Clinical Abstract:

This 46 year-old woman was found to have a right adrenal mass. Plasma and urine metanephrines were all within normal limits, as well as ACTH and DHEA.

Gross Pathology:

The 35 gram specimen included a normal appearing adrenal gland and a 5.5 x 3.2 x 3 cm round encapsulated yellow tan nodule.

Special Studies:

Positive: S100

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

Case No. 5 - May 2013 B

Tissue from: Right forearm

Accession #31477

Clinical Abstract:

This 51 year old man had a right forearm mass. He had no personal or family history of neurofibromatosis.

Gross Pathology:

The 960 gram, 23 x 13 x 8 cm resection specimen included skin and deep soft tissue. Within the deep soft tissue was a 22 x 9 x 7 cm myxoid tumor with areas of necrosis and hemorrhage.

Special Studies:

Positive: S100, smooth muscle actin (focal)

Negative: Desmin, CAM5.2, cytokeratin cocktail, CD34, HMB 45

Contributor: Mark Carter, M.D.
Chico, CA

Case No. 6 - May 2013 B

Tissue from: Intranasal contents

Accession #31518

Clinical Abstract:

A 28 year-old woman was found to have a mass involving frontal sinus and brain. She underwent removal of sinus contents and orbital decompression.

Gross Pathology:

The aggregate of spongy red-tan tissue was 8 x 6 x 2.5 cm.

Special Studies:

Positive: Desmin, myogenin (nuclear staining), CD56 (membranous)

Negative: LCA, EMA, pancytokeratin, synaptophysin, chromogranin, CD99

FISH studies for gene rearrangement FKHR were positive

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

Case No. 7 - May 2013 B

Tissue from: Right kidney & retroperitoneum

Accession #31364

Clinical Abstract:

This 52 year-old woman was found to have a right perirenal mass.

Gross Pathology:

The 750 gram radical nephrectomy specimen had an ill-defined 7.6 x 4 x 2 cm soft gray-tan mass in the perirenal fat, adherent to but not invading the anterolateral aspect of the kidney.

Contributor: Pamela Boswell, D.O.
La Jolla, CA

Case No. 8 - May 2013 B

Tissue from: Right kidney & retroperitoneum

Accession #31326

Clinical Abstract:

This 65 year-old man noticed abdominal distension and left abdominal discomfort as well as right groin swelling for a month. A radical resection of the retroperitoneum, right kidney, spermatic cord, testis, distal ileum, right colon and appendix was performed.

Gross Pathology:

The 5350 gram composite resection included a 16 x 15 x 11.5 cm firm but fatty mass with a more palpably firm 13 x 7 x 4 cm mass extending into the inguinal canal.

**Contributor: Maria da Costa-Iyer, M.D.
Long Beach, CA**

Case No. 9 - May 2013 B

Tissue from: Posterior thigh

Accession #31372

Clinical Abstract:

A 28 year-old man had noticed an upper posterior thigh mass for about a year and it had gotten progressively larger. As it enlarged, it became somewhat tender.

Gross Pathology:

The 12 x 12 x 8 cm mass had a solid tan-white nodular cut surface with soft gelatinous areas.

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

Case No. 10 - May 2013 B

Tissue from: Left thigh

Accession #31353

Clinical Abstract:

This 80 year-old woman presented with a left thigh mass.

Gross Pathology:

The 1315 gram, 21 x 11 x 5 cm specimen included lobulated adipose tissue with attached muscle and contained a 10.5 x 8.5 x 7 cm poorly demarcated variegated solid mass.

Special Studies:

Positive: Vimentin

Negative: CK cocktail, S100, actin (weak non-specific staining)