



CALIFORNIA
TUMOR TISSUE REGISTRY

“BONE & SOFT TISSUE PATHOLOGY”

Study Cases, Subscription A

November 2011



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
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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: Peter Morris, M.D.
Santa Barbara, CA**

Case No. 1 - November 2011 A

Tissue from: Right fifth rib

Accession #31291

Clinical Abstract:

This 73 year-old man underwent a right upper lobectomy for non-small cell carcinoma of the lung. Preoperative CT scan had also shown a complicated lesion in the right fifth rib anteriorly and resection was performed.

Gross Pathology:

The 10 cm long portion rib had a centrally placed 6 x 4 x 3.8 cm round bony mass with a soft hemorrhagic center.

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

Case No. 2 - November 2011 A

Tissue from: Tibia

Accession #29960

Clinical Abstract:

A 30 year-old man complained of pain in his distal tibia. Radiographs showed an intramedullary 3-4 cm diameter expansile lesion.

Gross Pathology:

The curettage material from the distal third of the right tibia formed a 40 cc aggregate of soft friable brown-tan tissue.

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

Case No. 3 - November 2011 A

Tissue from: Right femoral head

Accession #31257

Clinical Abstract:

Two months prior to surgery, this 58 year-old man had been diagnosed with a grade 1 follicular lymphoma involving a groin lymph node. He was found to have a lytic destructive tumor of the right femoral head with massive soft tissue involvement and underwent hemiarthroplasty of his right femoral head.

Gross Pathology:

The 5 x 5 x 3.8 cm femoral head was accompanied by an 8.5 x 10 x 1.5 cm aggregate of fragmented rubbery tan tissue.

Special Studies:

Positive: CD68

Negative: CD21, CD1A, CD79A, CD20, CD163, CD3, S100, Cytokeratin, EMA

**Contributor: Lester Thompson, M.D.
Woodland Hills, CA**

Case No. 4 - November 2011 A

Tissue from: Retroperitoneum

Accession #31409

Clinical Abstract:

A 58 year-old woman was found to have a large retroperitoneal mass.

Gross Pathology:

The 472 gram portion of yellow lobulated adipose tissue was largely replaced by a 10 x 9 x 8 cm nodular mass. The cut surface was vaguely trabeculated, white-yellow, with foci of cystic degeneration. No hemorrhage or hemorrhagic necrosis was noted.

Special Studies:

Positive: S100

**Contributor: Gabriel Haiby, M.D.
Inglewood, CA**

Case No. 5 - November 2011 A

Tissue from: Muscle of left arm

Accession #24370

Clinical Abstract:

This 43 year-old woman noted a mass in the upper portion of her left arm.

Gross Pathology:

The 3 x 3 cm fleshy lobulated mass was completely surrounded by skeletal muscle. The cut surface was firm, homogeneous gray and waxy.

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

Case No. 6 - November 2011 A

Tissue from: Right posterior chest wall

Accession #31335

Clinical Abstract:

This 56 year-old man complained of a mass in his right back.

Gross Pathology:

The 144 gram, 9 x 8 x 3.3 cm yellow-tan mass had white-tan streaks on its cut surface.

Contributor: Reda Tadros, M.D.
Victorville, CA

Case No. 7 - November 2011 A

Tissue from: Right thigh

Accession #31324

Clinical Abstract:

This 83 year-old man underwent resection of a recurrent mass in his right thigh two years after the original surgery.

Gross Pathology:

The resection specimen of the recurrent mass included an ellipse of skin with underlying tissue containing a 3 cm diameter well-circumscribed mass.

Special Studies:

Positive: CD34

Negative: S100, smooth muscle actin, desmin

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

Case No. 8 - November 2011 A

Tissue from: Retroperitoneum

Accession #31013

Clinical Abstract:

A 49 year-old woman was found to have a retroperitoneal mass.

Gross Pathology:

The resected mass was 25 cm in greatest diameter.

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

Case No. 9 - November 2011 A

Tissue from: Right posterior leg

Accession #29399

Clinical Abstract:

This 28 year-old woman had a mass removed from her right posterior leg.

Gross Pathology:

The 260 gram, 17 x 5 x 5 cm specimen from the muscle and soft tissue of the posterior compartment was largely replaced by a 16 x 4.5 x 4.5 cm lobulated fleshy pink-tan mass.

Contributor: Phillip C. Gordon, M.D.
Winter Haven, FL

Case No. 10 - November 2011 A

Tissue from: Left ankle

Accession #30195

Clinical Abstract:

This 78 year-old woman complained of a mass in her left ankle.

Gross Pathology:

The 21 gram, 5 x 3 cm specimen had a yellow-tan cut surface with glistening white areas, but no hemorrhage or apparent necrosis.