



CALIFORNIA
TUMOR TISSUE REGISTRY

“SOFT TISSUE PATHOLOGY”

Study Cases, Subscription A

April 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: Carol Solomon, M.D.
San Diego, CA**

Case No. 1 - April 2011 A

Tissue from: Left kidney

Accession #29996

Clinical Abstract:

Evaluation of a 55 year-old woman for microhematuria included a CT scan, which showed a 5.5 x 3. x 3 cm soft tissue mass in the lower pole of her left kidney.

Gross Pathology:

The 210 gram kidney had a 5 x 4.2 x 2.4 cm mass in the renal cortex, extending into the perirenal fat. The cut surface of the tumor was granular yellow-tan with foci of hemorrhage and calcification.

**Contributor: Jozef Kollin, M.D.
Lakewood, CA**

Case No. 2 - April 2011 A

Tissue from: Right great toe

Accession #29813

Clinical Abstract:

Because of pain on ambulation, the 45 year-old man asked to have a soft tissue mass removed from his right great toe.

Gross Pathology:

The 7 x 6 x 2 cm soft tissue mass had an amorphous, crumbling yellow-white cut surface with calcifications.

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

Case No. 3 - April 2011 A

Tissue from: Left hand

Accession #29745

Clinical Abstract:

This 59 year-old man had a 2 year history of a gradually enlarging mass in the hypothenar musculature of his left hand, which he had first noticed after slamming his hand on a hard surface. An MRI of the hand was interpreted as an intramuscular lipoma. A radiograph of the hand showed calcifications but no bony destruction or joint involvement.

Gross Pathology:

The 15 gram, 3.5 x 3 x 2.3 cm ovoid mass had a partially calcified capsule and a firm pink-white nodular cut surface with foci of calcification.

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

Case No. 4 - April 2011 A

Tissue from: Right arm

Accession #29779

Clinical Abstract:

Over the previous 5-8 years, the 38 year-old man had noted a slowly enlarging mass in his right arm just above and lateral to his elbow.

Gross Pathology:

The 105 gram, 7.5 x 4.5 x 4.5 cm resection of skeletal muscle contained a 6 x 3.5 x 2.5 cm bulging white mass with focal regions of mucoid degeneration.

**Contributor: Jozef Kollin, M.D.
Lakewood, CA**

Case No. 5 - April 2011 A

Tissue from: Right atrium of heart

Accession #29936

Clinical Abstract:

This 58 year-old woman presented with a one week history of progressive shortness of breath, worsening dramatically in the 24 hours before admission. She had a past history of hypertension and asthma, but no history of peripheral vascular disease or heart failure. On admission she was tachycardic and tachypneic. She had a grade 3/6 systolic murmur. Her hemoglobin was 7.4, hematocrit 23. A chest x-ray showed right pleural effusion and ECG show changes of lateral wall ischemia. She died within 48 hours of admission and an autopsy was performed.

Gross Pathology:

Autopsy showed a tumor involving the anterior wall of the right atrium with perforation producing cardiac tamponade. There were tumor vegetations on the tricuspid valve. The right lung showed multiple tumor emboli.

Special Studies:

Positive: Vimentin, CD34, CD31

Negative: CAM 5.2, Desmin, S100, CEA, Ber-EP4, Calretinin, WT-1, CK903, TTF1, CD56

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

Case No. 6 - April 2011 A

Tissue from: Right thigh

Accession #29754

Clinical Abstract:

A 54 year-old man noticed a painful mass in his right thigh. Past medical history was significant for neurofibromatosis and acoustic neuromas.

Gross Pathology:

The 137 gram, 11 x 6.5 cm ellipse of skin had a central firm yellow-tan, 6.6 cm subcutaneous mass.

**Contributor: Roger Terry, M.D.
San Gabriel, CA**

Case No. 7 - April 2011 A

Tissue from: Left thigh

Accession #29701

Clinical Abstract:

For approximately six years, this 41 year-old man had been aware of a soft lump in his left posterior thigh. The lump caused occasional discomfort while sitting and he requested its removal.

Gross Pathology:

The 9 x 8 x 4.5 cm portion of muscle contained a 6.2 cm well-circumscribed mass.

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

Case No. 8 - April 2011 A

Tissue from: Left thigh

Accession #29903

Clinical Abstract:

This 31 year-old woman noticed a painless left thigh mass for about 2 weeks.

Gross Pathology:

The 1300 gram, 38 x 14 x 6 cm resection multiple muscle groups and fascia contained a 10 x 7x 5 cm intramuscular variegated mass with regions of hemorrhage and necrosis.

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

Case No. 9 - April 2011 A

Tissue from: Left thigh

Accession #31066

Clinical Abstract:

An 84 year-old woman complained of a left thigh mass.

Gross Pathology:

The 18 gram, 4.5 x 3.5 x 2.5 cm resection specimen was an encapsulated yellow-tan mass.

Contributor: James Redwine, M.D.
Harbor City, CA

Case No. 10 - April 2011 A

Tissue from: Left leg

Accession #21565

Clinical Abstract:

A 49 year-old man complained of an enlarging mass, noticed over the previous year. Exam showed a non-tender mass along the medial aspect of the left popliteal fossa. Radiographs showed no bony involvement.

Gross Pathology:

The 25 gram mass was 6 x 5 x 2.5 cm. The cut surface was solid, glistening, non-bulging and variegated red to tan to chalky yellow-tan.

Special Studies:

Positive: Desmin

Negative: Pan-keratin, S100