

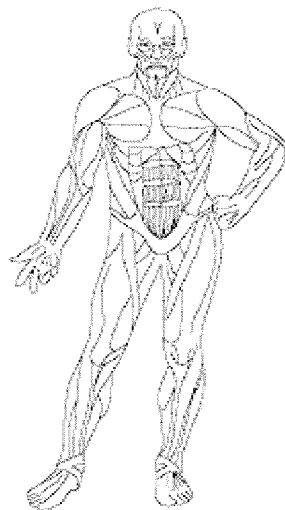


CALIFORNIA
TUMOR TISSUE REGISTRY

“SOFT TISSUE PATHOLOGY”

Study Cases, Subscription A

October 2008



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
Amita T. Mistry, 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: LLUMC Pathology Group (rr)
Loma Linda, CA**

Case No. 1 - October 2008 A

Tissue from: Left neck & scapula

Accession #30834

Clinical Abstract:

This 67 year old woman presented with a mass in her left neck and scapular region.

Gross Pathology:

The 166 gram, 10.3 x 7.0 x 5.3 cm specimen contained an 9.5 x 7 x 4.8 cm irregular firm white-tan mass.

**Contributor: M. Rose Akin, M.D.
Fresno, CA**

Case No. 2 - October 2008 A

Tissue from: Right chest

Accession #30129

Clinical Abstract:

An 80 year old woman noticed a mass in her right chest wall.

Gross Pathology:

The 19 gram oval portion of sticky gelatinous yellow-tan tissue was 5.3 x 3.2 x 1 cm.

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

Case No. 3 - October 2008 A

Tissue from: Right parietal skull

Accession #30763

Clinical Abstract:

A 66 year old man noticed an enlarging bump on his head which was discovered to involve the bone of his skull.

Gross Pathology:

The flat 8.5 gram, 7.5 x 6.5 x 4.5 cm circular bony resection had an expansive thickening in this central region. The cut surface in that region was hemorrhagic with thick bony streaks.

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

Case No. 4 - October 2008 A

Tissue from: Mesentery

Accession #30798

Clinical Abstract:

During follow up for hepatitis B infection, an abdominopelvic CT of this 36 year old man showed an incidental 6 cm soft tissue mass in his mesentery. At surgery, an 8 cm cystic mesenteric mass was attached to, but did not invade, the mid-jejunum.

Gross Pathology:

The 255 gram, 20 x 7.5 x 4.5 cm segment of small bowel and mesentery had a 6.5 x 5.5 x 4.5 cm mass in the central portion of the mesenteric resection. The cut surface oozed blood and showed poor circumscription.

**Contributor: Alexander Lyster, M.D.
Victoria, TX**

Case No. 5 - October 2008 A

Tissue from: Right lower chest wall

Accession #30772

Clinical Abstract:

This 74 year old man had a mass in his right lower chest wall.

Gross Pathology:

The firm nodular tumor weight 62 grams and was 8.5 x 4.5 x 4.5 cm. The cut surface was solid pale tan to dusky gray with small foci of hemorrhage. The mass was attached to the ribs and focally infiltrative, although most of the tumor was rounded and sharply defined.

Special Studies:

Positive: CD31/Vimentin

Negative: Cytokeratin

**Contributor: Alexander Lyster, M.D.
Victoria, TX**

Case No. 6 - October 2008 A

Tissue from: Right knee

Accession #30771

Clinical Abstract:

During work up for a maculopapular rash of the lower extremities, this 12 year old boy in Africa was found to have polypoid masses of his right knee.

Gross Pathology:

Multiple fragments of brown hemorrhagic tissue formed a 4.5 x 4 x 2.5 cm aggregate.

Special Studies:

Negative: Cytokeratin/S100/HHV-8

Positive: CD31

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

Case No. 7 - October 2008 A

Tissue from: Right breast

Accession #30384

Clinical Abstract:

A 38 year old woman presented with a right breast mass that had tripled in size over the previous twelve months. She experienced menarche at age 13 and one maternal aunt had had breast cancer. The breast was red and tender.

Gross Pathology:

A simple mastectomy specimen was 740 grams and 19 x 18 x 3.8 cm. A 2 x 1.5 cm region of skin superior to the nipple showed a red discoloration. Immediately beneath this region was an ill-defined dark red hemorrhagic 6 x 4 x 3.5 cm lobulated mass.

Special Studies:

Positive: CD 34, Factor VIII

Negative: AE1/AE3

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

Case No. 8 - October 2008 A

Tissue from: Right testicle

Accession #30835

Clinical Abstract:

An 8 year old boy suffered trauma to his right testicle and a testicular mass was discovered.

Gross Pathology:

The 171 gram 11 x 6 x 4.6 cm radical orchiectomy specimen contained a heterogeneous white-tan to gray-tan mass with focal hemorrhage and a 3 cm diameter cyst.

Special Studies:

Desmin: Moderate cytoplasmic staining

Myogenin: Moderate nuclear staining

S100 protein, synaptophysin: Negative

Contributor: Peter Chen, M.D.
Sylmar, CA

Case No. 9 - October 2008 A

Tissue from: Left lower extremity

Accession #30383

Clinical Abstract:

A 35 year old man was admitted with a 6 month history of a left lower extremity mass.

Gross Pathology:

The ovoid portion of skin and soft tissue was 15 x 14 x 7.6 cm. Beneath the skin was an ill-defined 11 x 8.8 x 7.3 cm mass composed of firm but friable pink-white to red tissue.

Special Studies:

Positive: CD68

Negative: Actin, Desmin, EMA, CD34, S-100, EMA, Factor VIII, Myosin

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

Case No. 10 - October 2008 A

Tissue from: Thigh

Accession #30350

Clinical Abstract:

This 72 year old man first presented with a left thigh mass 6 years earlier. The mass recurred and was again excised.

Gross Pathology:

A resection of soft tissue and bone was 27 x 16 x 8 cm. Inferior to the pubic ramus was a 10 cm diameter friable brown-tan rubbery hemorrhagic tumor.