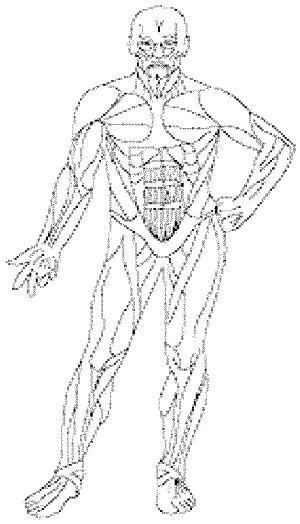
CALIFORNIA
TUMOR TISSUE REGISTRY

"Soft Tissue Pathology"

Study Cases, Subscription A

January 2007



California Tumor Tissue Registry
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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 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. **Case No. 1 - January 2007 A**
Lakewood, CA

Tissue from: Thigh **Accession #30134**

Clinical Abstract:

A 34 year old woman complained of a mass on her right thigh. Clinical impression was that of a subcutaneous lipoma, but at surgery the mass was found to involve the deeper muscle and fascia.

Gross Pathology:

The 3 x 2 x 1 cm gray-pink rubbery mass had a uniform cut surface.

Contributor: John Goldblum, M.D. **Case No. 2 - January 2007 A**
Cleveland, OH

Tissue from: Right hip **Accession #30523**

Clinical Abstract:

A 62 year old woman had a mass in her right hip.

Gross Pathology:

The 15 x 7 x 3 cm mass was covered by an ellipse of unremarkable skin. The deep portion of the specimen included fibroadipose tissue, muscle and fascia. In the mid portion of the specimen was a 4.0 x 3.5 x 3.0 cm pale, nodular, well-circumscribed mass with a homogeneous, firm, glistening cut surface.

Contributor: Loma Linda Pathology Group (kc) **Case No. 3 - January 2007 A**
Loma Linda, CA

Tissue from: Right chest wall **Accession #30251**

Clinical Abstract:

A 19 year old woman was found to have a mass on her right chest wall.

Gross Pathology:

The 690 gram, 13 x 10 x 8.5 cm resection specimen included a partially 4 x 3 cm partially encapsulated multinodular mass with a mucinous appearing cut surface.

Contributor: Mark Janssen, M.D. **Case No. 4 - January 2007 A**
Anaheim, CA

Tissue from: Thigh **Accession #30236**

Clinical Abstract:

About 8 months after bariatric surgery, this 59 year old woman reported that a mass in her thigh, known for the past four years, had become more noticeable after her recent weight loss. Physical examination showed a 20 cm long mass extending from the inguinal region to about mid-thigh. It was firm and fixed.

Gross Pathology:

The 23 x 23 x 10.5 cm specimen was surmounted by an ellipse of skin and had skeletal muscle along the deep aspect. Much of the specimen was a fatty mass with a delicate transparent capsule. The cut surfaces showed variegated tissue with dense fibrotic regions blending into more typical surrounding fat. Some areas had delicate calcifications.

Contributor: Catherine Odell, M.D. **Case No. 5 - January 2007 A**
Riverside, CA

Tissue from: Retroperitoneum **Accession #30295**

Clinical Abstract:
A 72 year old man had a peri-renal mass with a recurrence three years later.

Gross Pathology:
The 2000 gram, 20 x 15 x 11 cm original specimen was well-circumscribed, yellow-tan, with areas of hemorrhage. The resection specimen of the recurrent mass was a 500 gram, 15 x 11 x 8 cm portion of adipose tissue which had an 8 x 9 x 6 cm variegated, partly firm, partly gelatinous, partly hemorrhagic yellow-tan nodule with a nearby 3 cm diameter nodule of similar appearance.

Contributor: Honnggang Shen, M.D. **Case No. 6 - January 2007 A**
Anaheim, CA

Tissue from: Retroperitoneum **Accession #30266**

Clinical Abstract:
A 60 year old woman was found to have a large, right-sided retroperitoneal mass.

Gross Pathology:
Within the 2523 gram, composite resection specimen was a well encapsulated 22 x 15 x 11 cm soft tan-yellow to pale tan mass with a 10 cm area of hyperemic myxoid degeneration.

Contributor: Robert Zuch, M.D. **Case No. 7 - January 2007 A**
Baldwin Park, CA

Tissue from: Left gastrocnemius muscle **Accession #30243**

Clinical Abstract:
A 21 year old man had a mass in the medial aspect of his left gastrocnemius muscle.

Gross Pathology:
The resected mass was approximately 9 cm in greatest diameter.

Contributor: Lester Thompson, M.D. **Case No. 8 - January 2007 A**
Woodland Hills, CA

Tissue from: Left retroperitoneum **Accession #30228**

Clinical Abstract:
A 65 year old man presented with painless hematuria. Cytology showed atypical cells. Radiographic studies demonstrated a large mass around the left kidney, interpreted as a renal neoplasm.

Gross Pathology:
A 13 x 8 cm gelatinous mass was adjacent to the left kidney and ureter.

Contributor: Loma Linda Pathology Group (np) **Case No. 9 - January 2007 A**
Loma Linda, CA

Tissue from: Left kidney **Accession #30340**

Clinical Abstract:

During work-up for a hernia, a CT scan performed on this 59 year old man revealed a left renal mass. He had no associated symptoms.

Gross Pathology:

The 636 gram, 11 x 13.5 x 6 cm nephrectomy specimen showed a 5 x 3 x 3 cm thinly encapsulated firm yellow-tan mass in the superior-lateral aspect of the kidney.

Special Studies:

Positive: Actin, Desmin
Negative: CAM 5.2, EMA

Contributor: W. Michael Green, M.D. **Case No. 10 - January 2007 A**
Oxnard, CA

Tissue from: Testis **Accession #30336**

Clinical Abstract:

This 22 year old man reported an enlarged right testicle.

Gross Pathology:

The 10 x 9 x 7 cm testicle was about 80% replaced by a homogeneous firm white-yellow mass.

Special Studies:

Negative: Cytokeratin, CD30, PLAP
Positive: Desmin