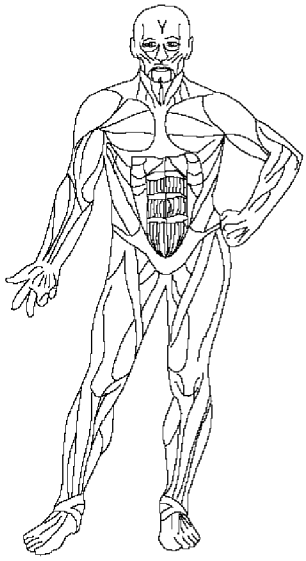
CALIFORNIA
TUMOR TISSUE REGISTRY

"SOFT TISSUE PATHOLOGY"

Study Cases, Subscription B

January 2001



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:
Weldon K. Bullock, MD
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: Donald Rankin, M.D. **Case No. 1 - January 2001**
Fontana, CA

Tissue from: Right flank **Accession #28706**

Clinical Abstract:
For six months, an enlarging subcutaneous mass in her right flank had caused this 41-year-old Hispanic female discomfort.

Gross Pathology:
A 2.5 cm portion of skin covered a 2.6 cm ovoid nodule, which had a white firm cut surface.

SPECIAL STUDIES (outside facility):
S-100 negative

Contributor: LLUMC Pathology Group (cz) **Case No. 2 - January 2001**
Loma Linda, CA

Tissue from: Right ring finger **Accession #27901**

Clinical Abstract:
This 10-month-old Hispanic male developed a mass on the ulnar border of his right ring finger. It was excised but recurred within two months. This material is from the recurrent tumor.

Gross Pathology:
The 2 gram, 1.2 x 0.6 x 0.5 cm white-tan nodule was covered by an ellipse of pink-tan skin.

Contributor: E. S. Rivera, M.D. **Case No. 3 - January 2001**
Delano, CA

Tissue from: Left foot **Accession #26955**

Clinical Abstract:
A mass was excised from the left foot of this 3-year-old male.

Gross Pathology:
The 6.0 x 3.5 x 2.0 cm piece of lobulated tissue had a soft, mucoid, homogeneous, yellow-gray cut surface.

Contributor: LLUMC Pathology Group (drc) **Case No. 4 - January 2001**
Loma Linda, CA

Tissue from: Left thigh **Accession #28702**

Clinical Abstract:
This 58-year-old male was found to have a large mass in his left thigh.

Gross Pathology:
The 4090 gram resection specimen contained a 30.0 x 14.5 x 12.0 cm yellow-tan multinodular mass with focal necrosis and hemorrhage. The cut surface of the tumor was variable, ranging from yellow and friable, pink-tan and firm, to translucent, gelatinous and mucoid.

Contributor: K. Greg Peterson, M.D. **Case No. 5 - January 2001**
Sioux Falls, SD

Tissue from: Abdominal mass **Accession #28917**

Clinical Abstract:
A 35-year-old woman was found to have a large abdominal mass.

Gross Pathology:
The 145 gram yellow-tan lobular mass was 10.5 x 6.5 x 5.0 cm. The cut surface was multinodular with intervening fibrous tissue.

SPECIAL STAINS:

S-100	negative
NSE	strongly positive

Contributor: Loma Linda Pathology Group (kt) **Case No. 6 - January 2001**
Loma Linda, CA

Tissue from: Pelvic mass **Accession #28738**

Clinical Abstract:
Ten years after she had undergone an abdominal hysterectomy and left salpingo-oophorectomy for benign disease, this 34-year-old female developed chronic pelvic pain. Work-up showed a mass arising in the right pelvis, thought to be an adnexal neoplasm. At surgery, a mass was found adherent to the sigmoid colon and the broad ligament.

Gross Pathology:
The 460 gram, 13.5 x 10.0 x 6.5 cm pink-tan mass was partially covered by a thick capsule.

Contributor: Norm Sharoff, M.D. **Case No. 7 - January 2001**
National City, CA

Tissue from: Left thigh **Accession #28662**

Clinical Abstract:
A 28-year-old female presented with a mass in the subcutaneous tissues of her left lateral thigh.

Gross Pathology:
The 2.4 cm portion of fat contained a well-delineated 2.0 cm diameter brown nodule which showed hemorrhagic and focally white fibrotic areas on cut section.

Contributor: K. Greg Peterson, M.D. **Case No. 8 - January 2001**
Sioux Falls, SD

Tissue from: Right thigh **Accession #28695**

Clinical Abstract:
This 27-year-old male presented with a large mass in his right thigh.

Gross Pathology:
A 13.7 x 8.5 x 8.0 cm yellow-pink, variegated mass infiltrated the surrounding muscle. The cut surface showed areas of necrosis and hemorrhage.

SPECIAL STUDIES (outside facility):

Vimentin	positive
S-100	negative
CEA	negative
HMB-45	negative
Keratin	negative

Contributor: Paul Raslavicus, M.D. **Case No. 9 - January 2001**
Stoneham, MA

Tissue from: Mesentery/Small bowel **Accession #28443**

Clinical Abstract:

This 76-year-old female was found to have an intra-abdominal tumor compressing her small bowel and rectum.

Gross Pathology:

An en bloc resection of small bowel, rectum and mesentery included an 8 x 7 x 6 cm mass which extended through the small bowel wall to the submucosa. Numerous secondary nodules were also resected, the largest up to 7.5 cm in greatest diameter.

Contributor: John Sacoolidge, M.D. **Case No. 10 - January 2001**
Sylmar, CA

Tissue from: Retroperitoneum and right flank **Accession #28891**

Clinical Abstract:

After completing 6 cycles of chemotherapy for Hodgkin's disease, this 60-year-old male developed a mass on his right flank. CT scan showed a large mass involving the right flank and adjacent retroperitoneum.

Gross Pathology:

Two soft tissue masses were 21.0 x 18.0 x 16.0 cm and 9.0 x 8.0 x 7.0 cm. Their cut surfaces were multilobulated, tan-yellow and partially necrotic.

SPECIAL STUDIES (outside facility):

Vimentin	positive
CD15	negative
CD68	negative
SMA	negative
MSA	negative