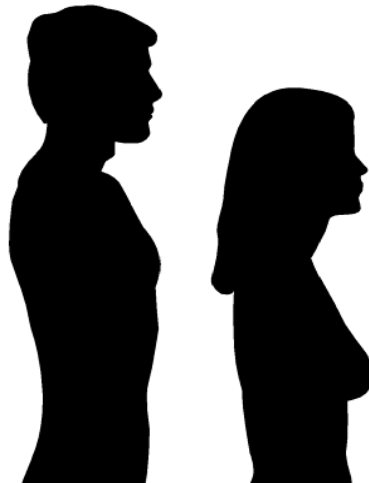


**CALIFORNIA
TUMOR TISSUE REGISTRY**

“General Tumors”

Study Cases, Subscription B

May 2002



**California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
11021 Campus Avenue, AH 335
Loma Linda, California 92350
(909) 558-4788
FAX: (909) 558-0188
E-mail: cttr@linkline.com
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:

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: Ellen Ko, M.D.
Birmingham, AL**

Case No. 1 - May 2002

Tissue from: Testis

Accession #29365

Clinical Abstract:

A tumor was found in the left testis of a 23-year-old male. Orchiectomy was performed

Gross Pathology:

The 71 gram testis measured 6.5 x 3.5 x 2.0 cm. Tunica albuginea is white, opaque, and smooth. The inferior pole revealed a 3.0 cm, un-encapsulated, well demarcated mass which was variegated, red-tan color, irregular cut surface with focal hemorrhage and necrosis. The tumor was approaching the tunica albuginea but did not penetrate.

SPECIAL STUDIES:

	Peripheral neuroectodermal:	Neurotubules:	Benign glands:
Synaptophysin	positive		
Chromogranin			some are focally positive
CD99	positive		
S-100		positive	some are positive

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

Case No. 2 - May 2002

Tissue from: Uterus

Accession #29372

Clinical Abstract:

A D&C (dilation and curettage) procedure revealed a tumor in the uterus of an 87-year-old female, who was experiencing hematuria. Hysterectomy was performed.

Gross Pathology:

The uterus weighed and measured 120 grams, 9.0 x 5.0 x 4.5 cm respectively, with attached bilateral adnexa. Within the endometrial cavity was a fungating exophytic, tan tumor that extended to the cervical canal. The tumor invaded 0.6 cm deep in a 1.0 cm wall region.

Contributor: Rebecca Christensen, M.D.
San Diego, CA

Case No. 3 - May 2002

Tissue from: Thymus

Accession #28998

Clinical Abstract:

A healthy 23-year-old female with history of mild dysarthria and dysphagia had an abnormal chest radiograph. She underwent a thymectomy procedure.

Gross Pathology:

The lobulated yellow-tan thymus measured 7.2 x 7.0 x 2.0 cm. Cut surfaces were lobulated, diffusely tan and fleshy in appearance.

Contributor: Anthony Migler, M.D.
Oxnard, CA

Case No. 4 - May 2002

Tissue from: Right kidney

Accession #29363

Clinical Abstract:

A cystic mass developed in the right kidney of a 59-year-old male. Nephrectomy was performed.

Gross Pathology:

The cystic mass was 4 cm in diameter with a 0.1 cm thick wall. One area was approximately 4 x 3 cm in the wall up to 0.6 cm thick and had a tan-brown soft tissue appearance. The cyst was filled with bloody fluid.

Contributor: Yasushi Tamura, M.D.
Bellflower, CA

Case No. 5 - May 2002

Tissue from: Pancreas

Accession #29414

Clinical Abstract:

This 74-year-old female was complaining of abdominal pains. Workup results indicated a mass in the pancreas. Pancreatectomy was performed.

Gross Pathology:

The pancreas weighed 89 grams with a well-encapsulated mass that measured 6.5 x 6.0 x 4.0 cm. and bulges anteriorly. The mass appeared to be whitish tan, elastic firm tissue with multiple foci of hemorrhage and fibrosis.

SPECIAL STUDIES:

Chromogranin	positive
Synaptophysin	positive
Insulin	negative
Glucagon	negative
Gastrin	negative
Somatostatin	negative
Vasoactive intestinal polypeptid	negative

Contributor: Jana Pindur, M.D.
Anaheim, CA

Case No. 6 - May 2002

Tissue from: Temporal bone

Accession #29382

Clinical Abstract:

A bump on the forehead of a 15-year-old female was progressively enlarging. CT scan confirmed an extensive lesion over the inter-diploid space in the left area of the forehead. The lesion was excised.

Gross Pathology:

The specimen was divided into two parts. First part was an irregular red-tan portion of soft tissue that was 0.6 cm. in greatest dimension. Next part was a 4.5 x 4.0 x 1.5 cm. cystic tan portion of the bone with a 1.5 x 1.0 x 1.0 cm defect along one edge. The specimen was serially sectioned to reveal a central multiloculated cystic cavity that displayed smooth-walled cysts and diffuse areas of hemorrhage.

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

Case No. 7 - May 2002

Tissue from: Left femur

Accession #29044

Clinical Abstract:

With history of a bone tumor, this 59-year-old male was experiencing pain in his left thigh. A left femur excision curettage of the deep and large bone tumor was performed.

Gross Pathology:

The specimen was divided into A and B parts. The A specimen measured 2.5 x 1.5 x 0.8 cm. aggregate of multiple red tan, soft tissue fragments up to 0.6 cm in greatest dimension. B specimen was a 19 gram, 5.3 x 5.3 x 1.6 cm aggregate of multiple pink tan, soft tissue and bone fragments.

Contributor: Alexander Lyster, M.D
Victoria, TX

Case No. 8 - May 2002

Tissue from: Left leg mass

Accession #29296

Clinical Abstract:

A 15-year-old male was noted to have a large mass in his left leg. The mass consisted of five tumors matted together and formed a fibrocollagenous mass involving muscles of the gluteus medius, gluteus maximus, internal rectus, semitendinosus and semimembranosus. Excisional biopsy was performed.

Gross Pathology:

Specimen was a very hard multinodular gray-white-pink fibrous mass that measured 10 x 8.0 x 8.0 cm and weighed 370 grams. Serial sections disclosed dense scar-like gray white to pink gray interdigitating fibrous bands encompassed and mingled with the muscle.

Contributor: Mark Janssen, M.D.
Anaheim, CA

Case No. 9 - May 2002

Tissue from: Left inguinal

Accession #29281

Clinical Abstract:

A mass was developed in the left groin of a 47-year-old female. The mass was excised for biopsy.

Gross Pathology:

The specimen was a portion of a rubbery firm pink tan tissue and measured 2.3 x 1.8 x 1.5 cm. Cut area was homogenous tan with focal areas of hemorrhage.

SPECIAL STUDIES:

Outside facility:

S-100	positive
CD34	strong positive staining
PGM1	focal positive staining

Our facility:

S-100	negative
CD34	strikingly positive
Desmin	negative
MSA	
-HHF-35	negative
-CD68	background positivity

Contributor: Kenneth Frankel, M.D.
Glendale, CA

Case No. 10 - May 2002

Tissue from: Left thigh

Accession #29275

Clinical Abstract:

This 60-year-old male had a mass bulging in his left thigh. The mass was excised.

Gross Pathology:

The specimen was composed of an elliptical shaped skin that measured 11.0 cm in length by 5.0 cm in maximal width. In the center of the specimen was a bulge from the underlying soft tissue that was rubbery firm polypoid lesion and measured 4.2 cm in diameter. The skin over the polyp was bluish in color. The lesion was lobulated, glistening, semitranslucent, somewhat mucoid yellow tissue.