



CALIFORNIA
TUMOR TISSUE REGISTRY

“GENERAL PATHOLOGY”

Study Cases, Subscription B

February 2002



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
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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: LLUMC Pathology Group (kt)
Loma Linda, CA

Case No. 1 - February 2002

Tissue from: Abdominal skin

Accession #28734

Clinical Abstract:

A 50-year-old female noticed a slowly growing, firm nodule in the sub-umbilical region of her abdomen. It had been present for approximately two years.

Gross Pathology:

The 3 gram specimen included a 3.5 x 2.0 x 1.5 cm wedge of brown skin and a 2.5 x 1.5 x 1.5 cm detached portion of subcutaneous tissue that had a 0.9 cm diameter cystic cavity filled with soft white material.

Contributor: C.A. Spears, M.D.
DuQuoin, IL

Case No. 2 - February 2002

Tissue from: Back

Accession #29203

Clinical Abstract:

This 41-year-old male presented with a mass on his back.

Gross Pathology:

There were multiple fragments of gray-tan rubbery soft tissue varying in size from 0.5 x 0.3 x 0.2 cm to 2.5 x 1.5 x 1.5 cm.

SPECIAL STUDIES (Outside facility):

CD34	positive
Vimentin	positive
S100	negative

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

Case No. 3 - February 2002

Tissue from: Thigh

Accession #29242

Clinical Abstract:

For two to three months, this 72-year-old male had noticed a painful and enlarging growth on his left thigh. Exam showed a smooth mass deep in the thigh, without evidence of bony involvement.

Gross Pathology:

A 671 gram skeletal muscle excision contained a 15.0 x 8.0 x 6.0 cm well-circumscribed, yellow-tan, gelatinous, lobulated tumor with ill-defined areas of hemorrhage and cystic degeneration.

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

Case No. 4 - February 2002

Tissue from: Retroperitoneal mass

Accession #29200

Clinical Abstract:

Approximately twenty years earlier, this 72-year-old female had had an ovarian tumor removed. After that disease-free interval, she was found to have a large retroperitoneal mass with liver metastasis.

Gross Pathology:

The 983 gram, 18.0 x 16.0 x 9.0 cm irregularly shaped soft tissue appeared dull, yellow-tan to gray-purple. Scattered areas of dark red hemorrhage were present.

SPECIAL STUDIES (Outside facility):

Keratin	negative
Inhibin	positive

**Contributor: Ujvala Sawkar, M.D.
Brawley, CA**

Case No. 5 - February 2002

Tissue from: Testis

Accession #29097

Clinical Abstract:

After 2 ½ weeks of swelling, this 24-year-old male's left testicle became somewhat painful and he sought medical attention. There was no history of trauma. An ultrasound showed a non-homogeneous texture to the left testis with increased vascularity. A left orchiectomy was performed.

Gross Pathology:

A 8.5 x 4.0 x 3.5 cm mass partially replaced the testicle. The cut surface was yellow and tan, with shiny, mucoid and focally hemorrhagic areas.

**Contributor: John J. McGill, M.D.
Pasadena, CA**

Case No. 6 - February 2002

Tissue from: Right adrenal

Accession #28784

Clinical Abstract:

No clinical history is available. The tumor is from a 72-year-old female.

Gross Pathology:

The 350 gram encapsulated mass was 12.0 x 10.5 x 8.0 cm and had a central 6.0 cm diameter cystic space filled with serosanguinous fluid. The cut surface of the tumor was golden tan and partially hemorrhagic.

SPECIAL STUDIES:

CAM5.2	negative
S100	focally positive
AE-1/AE-3	negative
AFP	negative
CEA	negative
EMA	negative
Chromogranin A	positive
Synaptophysin	positive

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

Case No. 7 - February 2002

Tissue from: Femur

Accession #29090

Clinical Abstract:

This 49-year-old male presented with a pathologic fracture of the left femur. Radiographic studies revealed a 20.0 cm fusiform mass involving the left distal femur.

Gross Pathology:

A 19.2 cm diameter, soft, heterogeneous tumor involved the distal aspect of the left femur and appeared to expand and disrupt the cortex of the bone.

**Contributor: Usha Garg, M.D.
Camarillo, CA**

Case No. 8 - February 2002

Tissue from: Uterus

Accession #29198

Clinical Abstract:

Because of a history of menorrhagia, pelvic pain and enlarging fibroids, this 59-year-old female underwent a total abdominal hysterectomy with bilateral salpingo-oophorectomy.

Gross Pathology:

The uterus measured 10.2 x 8.3 x 8.0 cm, and contained multiple nodules. The largest nodule was 7.0 cm and exhibited central necrosis.

SPECIAL STUDIES:

Actin	positive
Desmin	positive

Contributor: Arno A. Roscher, M.D.
Valencia, CA

Case No. 9 - February 2002

Tissue from: Left brachial plexus

Accession #29374

Clinical Abstract:

This 50-year-old male was found to have a mass in the region of the left brachial plexus.

Gross Pathology:

The largest of six irregular fragments of tan and brown soft tissue measured 4.5 x 3.5 x 1.5 cm.

SPECIAL STUDIES:

S100 positive

Contributor: Phillip C. Gordon, M.D.
Winter Haven, FL

Case No. 10 - February 2002

Tissue from: Left kidney

Accession #29356

Clinical Abstract:

During a workup for hematuria, this 71-year-old male was found to have a mass in the left kidney.

Gross Pathology:

The kidney with attached perirenal fat weighed 472 grams and measured 12.0 x 4.5 x 5.0 cm. At one pole there was a bulging smooth-surfaced yellow tumor measuring 6.0 cm in diameter.