

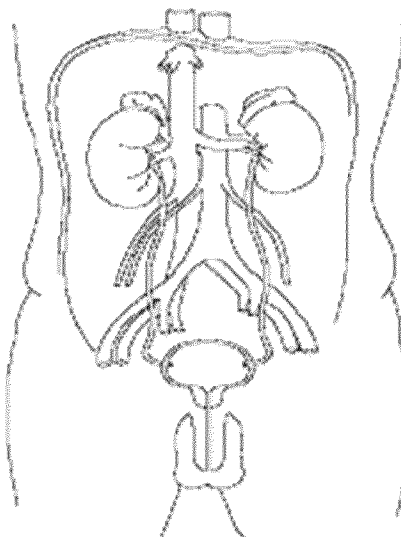


CALIFORNIA  
TUMOR TISSUE REGISTRY

## **“GENITOURINARY & RENAL PATHOLOGY”**

**Study Cases, Subscription A**

**February 2010**



**California Tumor Tissue Registry**  
c/o: Department of Pathology and Human Anatomy  
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Web site & Case of the Month: [www.cttr.org](http://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

**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: Mark Carter, M.D.  
Chico, CA**

**Case No. 1 - February 2010 A**

**Tissue from: Kidney**

**Accession #31083**

**Clinical Abstract:**

A 55 year old woman, with no known history of personal or family medical problems, was found to have a mass involving the perinephric tissues at the lower pole of one of her kidneys.

**Gross Pathology:**

The 5 cm diameter mass was attached to the renal capsule but did not grossly invade renal parenchyma.

Special Studies:

Positive: HMB-45

Focally positive: Mart-1

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**Contributor: Pamela Boswell, D.O.  
La Jolla, CA**

**Case No. 2 - February 2010 A**

**Tissue from: Right kidney**

**Accession #30991**

**Clinical Abstract:**

After two years of radiographic follow-up, a mass in the right kidney of this 42 year old man was noted to be enlarging.

**Gross Pathology:**

The 888 gram, 22 x 14 x 13 cm nephrectomy specimen contained a 4.5 x 4 x 3.5 cm bulging mass in the mid-portion of the kidney. The cut surface was bulging, red-brown with a central gray scar-like fibrous region.

**Contributor: Pamela Boswell, D.O.**  
**La Jolla, CA**

**Case No. 3 - February 2010 A**

**Tissue from: Right kidney**

**Accession #31039**

**Clinical Abstract:**

This 59 year old woman presented with gross hematuria and flank pain. CT scan showed a cystic mass.

**Gross Pathology:**

The 15 x 11 x 8 cm irregularly shaped kidney was predominantly occupied by a 12.5 x 9.5 x 8 cm white-pink mass with a multicystic cut surface. The mass was well demarcated with pushing borders at the interface with uninvolved kidney.

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**Contributor: Samuel Grindstaff, M.D.**  
**Ft. Sam Houston, TX**

**Case No. 4 - February 2010 A**

**Tissue from: Right kidney**

**Accession #31076**

**Clinical Abstract:**

A 40 year old woman with sickle cell trait presented with gross hematuria. A CT scan showed a 5 x 4 cm right-sided renal mass.

**Gross Pathology:**

The 348 gram, 13 x 7 x 4 cm nephrectomy specimen contained a 3.7 x 3.5 x 2 cm well circumscribed golden yellow mass in the upper pole of the resected kidney. The tumor had areas of hemorrhage. Grossly, it did not penetrate the renal capsule or invade perinephric fat.

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

**Case No. 5 - February 2010 A**

**Tissue from: Right kidney**

**Accession #30952**

**Clinical Abstract:**

A 70 year old man was found to have a right renal mass with renal vein thrombosis, extending into the inferior vena cava.

**Gross Pathology:**

The 1200 gram, 21 x 15 x 9 cm nephrectomy specimen showed a 9 x 7 x 6 cm hemorrhagic tumor that extended into and completely occluded the renal vein.

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**Contributor: Richard Schneider, M.D.**

**Case No. 6 - February 2010 A**

**Tissue from: Right kidney**

**Accession #31018**

**Clinical Abstract:**

After 3 days of hematuria and severe right flank pain, the 28 year old gravida 7, para 6, pregnant woman with sickle cell trait was found to have a right kidney mass.

**Gross Pathology:**

The 13 x 10 x 8 cm nephrectomy specimen had a 9 cm diameter mass in the upper pole. Cut surface showed a well-circumscribed rubbery tan mass with foci of hemorrhage and necrosis.

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

**Case No. 7 - February 2010 A**

**Tissue from: Left kidney**

**Accession #31012**

**Clinical Abstract:**

This 60 year old man presented with weight loss, low back pain and abdominal discomfort. CT scan showed a solid and cystic left renal mass.

**Gross Pathology:**

The 355 gram, 13 x 7.5 x 5 cm nephrectomy specimen showed a 5.2 cm white-tan firm tumor in the renal hilum that replaced about 70% of the kidney.

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

**Case No. 8 - February 2010 A**

**Tissue from: Left kidney**

**Accession #30929**

**Clinical Abstract:**

A 5 year old girl was found to have a mass in her left kidney.

**Gross Pathology:**

The 910 gram, 18 x 10 x 5 cm nephrectomy specimen has an 8 x 5 x 3 cm mass replacing the upper pole of the kidney. A separate 7 cm mass was located in the lower pole. Both had fleshy white-tan cut surfaces with small areas of necrosis and hemorrhage.

**Contributor: Pamela Boswell, D. O.  
La Jolla, CA**

**Case No. 9 - February 2010 A**

**Tissue from: Right testicle**

**Accession #31045**

**Clinical Abstract:**

A 37 year old man presented with a right testicular mass. Serum alpha-fetoprotein and beta-HCG were not elevated.

**Gross Pathology:**

The 6 x 4 x 4 cm testicle contained a well circumscribed, nodular, soft, dull yellow tumor that measured 3.2 x 3 x 2.5 cm and replaced about two-thirds of the testis.

Special Studies:

Positive: PLAP

Negative: CAM 5.2, CEA, AE1/AE3, EMA, AFP, HCG, CD45, and Ki-1

PAS was positive and then negative after diastase application

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

**Case No. 10 - February 2010 A**

**Tissue from: Left testicle**

**Accession #31052**

**Clinical Abstract:**

A 57 year old man had a left testicular mass.

**Gross Pathology:**

The 48 gram, 13.5 x 5.8 x 2.5 cm orchiectomy specimen showed a well-circumscribed 2 cm yellow-orange mass in the 6 cm testis.