

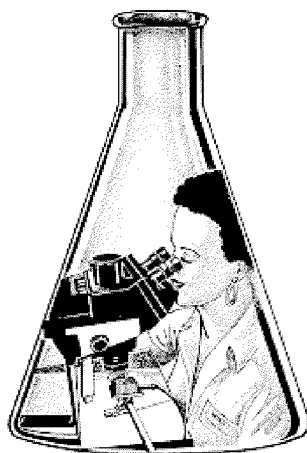


CALIFORNIA
TUMOR TISSUE REGISTRY

“GENERAL PATHOLOGY”

Study Cases, Subscription A

March 2012



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
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Web page: www.cttr.org
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:

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: LLUMC Pathology Group (kt)
Loma Linda, CA**

Case No. 1 - March 2012 A

Tissue from: Lung

Accession #31366

Clinical Abstract:

A 19 year-old woman had a prior history of malignancy and underwent resection of bilateral lung metastases.

Gross Pathology:

The largest metastatic mass was an 8.5 x 8 x 6.5 cm rounded pink-white mass.

Special Studies:

Positive: CAM 5.2, cytokeratin cocktail

**Contributor: Jerome Tift, M.D.
Los Angeles, CA**

Case No. 2 - March 2012 A

Tissue from: Lung

Accession #22967

Clinical Abstract:

A 59 year-old woman was found to have a large left upper lobe lung mass on routine chest x-ray.

Gross Pathology:

The 525 gram lobe of lung contained an 8 cm diameter mass with several satellite nodules.

Special Studies:

Rare cells positive: Cytokeratin cocktail, EMA

Weakly positive: Vimentin

Negative: Desmin, S100, CAM 5.2

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

Case No. 3 - March 2012 A

Tissue from: Gastric cardia

Accession #31418

Clinical Abstract:

A 74 year-old man presented with abdominal pain. A CT scan showed a large tumor apparently involving the pancreas. At surgery, multiple nodules were found involving gastric cardia, omentum and peripancreatic soft tissues.

Gross Pathology:

The gastric cardia resection specimen weighed 75 grams and was 10.5 x 7.5 x 2 cm. An ill-defined 2.2 x 2 x 1 cm purple-tan nodule was attached to the serosa. Multiple other serosal nodules up to 2.5 cm in diameter were noted.

Special Studies:

Positive: CD117, CD34, Vimentin

Negative: Cytokeratin AE1/AE3, CAM5.2, CD45, Chromogranin, Synaptophysin, CD56, CD99, S100, Melan-A, HMB-45, Desmin, Actin

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

Case No. 4 - March 2012 A

Tissue from: Left kidney

Accession #31122

Clinical Abstract:

This 18 month-old baby girl had a left kidney mass.

Gross Pathology:

The 670 gram, 15 x 11 x 9.5 cm nephrectomy specimen showed two gray-tan masses at opposite poles. The upper pole mass was 8 x 5.5 x 5.5. The lower pole mass was 10 x 9.5 x 8 cm. Both had homogeneous white-tan cut surfaces with small areas of necrosis.

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

Case No. 5 - March 2012 A

Tissue from: Right kidney

Accession #31352

Clinical Abstract:

This 4 year-old boy presented with hematuria and was found to have a right kidney mass.

Gross Pathology:

The 617 gram, 17 x 9 x 8 cm kidney had a 12 x 8 cm bulging nodular mass in the superior pole.

Contributor: K. Greg Peterson, M.D.
Sioux Falls, SD

Case No. 6 - March 2012 A

Tissue from: Right kidney

Accession #29150

Clinical Abstract:

A 75 year-old man was found to have a mass in his right kidney.

Gross Pathology:

The 541 gram kidney contained a 4.7 x 4.5 x 4 cm yellow mass that extended through the cortex into the surrounding fat.

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

Case No. 7 - March 2012 A

Tissue from: Right ovary

Accession #31397

Clinical Abstract:

This 19 year-old woman presented with a left ovarian cyst.

Gross Pathology:

The 2.4 kilogram, 20 x 12 x 10 cm ovary was replaced by a cyst containing yellow cloudy fluid. The internal surface of the cyst had a cobblestoned appearance. The external surface was smooth and glistening.

Contributor: Ellen C. Ko, M.D.
Colton, CA

Case No. 8 - March 2012 A

Tissue from: Left adrenal gland

Accession #31380

Clinical Abstract:

This 62 year-old woman with a history of diabetes, hypertension and a cerebrovascular accident was found to have a porcelain gallbladder, a left adrenal mass and a left ovarian mass. Urine catecholamines were elevated.

Gross Pathology:

The adrenal mass weighed 44 grams and measured 4 x 4.5 x 4 cm. The cut surface was gray-white with focal hemorrhage and cystic degeneration.

**Contributor: Ellen C. Ko, M.D.
Colton, CA**

Case No. 9 - March 2012 A

Tissue from: Left ovary

Accession #31380

Clinical Abstract:

This 62 year-old woman with a history of diabetes, hypertension and a cerebrovascular accident was found to have a porcelain gallbladder, a left adrenal mass and a left ovarian mass. Urine catecholamines were elevated.

Gross Pathology:

The left ovarian mass weighed 62 grams, measuring 6 x 4 x 3 cm. The cut surface of the mass was tan-beige.

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

Case No. 10 - March 2012 A

Tissue from: Spleen

Accession #31332

Clinical Abstract:

A 13 year-old boy had been the recipient of a heart transplant in early childhood. He presented with splenomegaly.

Gross Pathology:

The 941 gram spleen was 24 x 11 x 4 cm.

Special Studies:

Bcl-6:	Scattered tumor cell nuclei weakly positive
CD3:	Tumor cells negative; scattered small T cells positive
CD10:	Tumor cells negative
MUM1:	Many tumor cell nuclei positive
PAX5:	Rare tumor cell nuclei weakly positive
Ki-67:	Many tumor cell nuclei positive (>90%)
Desmin/HMB45	Tumor cells negative