



CALIFORNIA
TUMOR TISSUE REGISTRY

“GENERAL PATHOLOGY”

Study Cases, Subscription A

March 2008



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

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 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 (rr)
Loma Linda, CA**

Case No. 1 - March 2008 A

Tissue from: Submandibular gland

Accession #30557

Clinical Abstract:

A 67 year old man presented with a left neck mass.

Gross Pathology:

The 244 gram, 10 x 6.5 x 5 cm submandibular gland resection included a 6 x 4 x 4 cm cyst filled with brown fluid. The remaining parenchyma was uniformly brown-tan.

**Contributor: Lester Thompson, M.D.
Woodland Hills, CA**

Case No. 2 - March 2008 A

Tissue from: Sinonasal tract

Accession #30581

Clinical Abstract:

A 61 year old man presented with nasal obstruction and occasional episodes of epistaxis. Direct visualization showed a mass in the nasal cavity without bony destruction. Biopsy led to severe bleeding. Prior to resection, an embolization was performed.

Gross Pathology:

The polypoid nasal mass was 4.5 cm in greatest diameter.

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

Case No. 3 - March 2008 A

Tissue from: Left kidney

Accession #30510

Clinical Abstract:

A 33 year old man had a history of abdominal and lower back pain. Ultrasound showed a solid enhancing left renal mass.

Gross Pathology:

The 535 gram, 25.5 x 12.5 x 6.5 cm nephrectomy specimen showed a 5.5 x 4.2 x 2.5 cm thinly encapsulated solid, trabeculated bright yellow mass with a central region of white fibrous tissue in the upper pole of the kidney.

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

Case No. 4 - March 2008 A

Tissue from: Right kidney

Accession #30564

Clinical Abstract:

This 4 year old boy had bilateral retroperitoneal masses.

Gross Pathology:

The 107 gram, 7 x 4 x 4 cm right kidney partial resection contained multiple nodules up to 3.4 cm in greatest diameter.

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

Case No. 5 - March 2008 A

Tissue from: Stomach

Accession #30540

Clinical Abstract:

A 60 year old woman was found to have a gastric mass and underwent a partial gastric resection.

Gross Pathology:

The 5 cm diameter resection specimen had an attached 8 x 6 x 4.2 cm protruding mass, covered by a thin layer of serosa. The cut surface was pink-white 'fish flesh' textured, vaguely nodular and with a somewhat variegated cut surface.

Special Studies:

Positive: CD117, Vimentin

Negative: Pancytokeratin, EMA, Desmin, muscle specific actin, S100, smooth muscle actin

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

Case No. 6 - March 2008 A

Tissue from: Retroperitoneum

Accession #30573

Clinical Abstract:

A 50 year old man was found to have a large retroperitoneal mass.

Gross Pathology:

The 7000 gram, 40 x 30 x 12 cm globoid mass had a portion colon attached to one surface and loops of small bowel entering and exiting the tumor. The yellow-tan tumor had a central hemorrhagic cavity and other areas of necrosis and hemorrhage.

Special Studies:

Negative: S100, CD117

Desmin: Negative

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

Case No. 7 - March 2008 A

Tissue from: Retroperitoneum

Accession #30558

Clinical Abstract:

A 77 year old man had a large retroperitoneal mass.

Gross Pathology:

The 3500 gram, 30 x 25 x 8 cm composite resection included right kidney, right adrenal, right colon, portions of liver, of ileum, and of inferior vena cava. The main body of the tumor was 21 x 15 x 9 cm with a geographic yellow-brown and red-tan coloration.

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

Case No. 8 - March 2008 A

Tissue from: Retroperitoneum

Accession #30039

Clinical Abstract:

A 60 year old man reported two months of abdominal pain. Radiographs showed a retroperitoneal cystic mass encasing the right kidney

Gross Pathology:

The 1654 gram 29 x 16 x 8 cm composite resection specimen included right kidney and a 15.5 x 15 x 6.5 cm partially necrotic gray-tan tumor that invaded the lower pole of the kidney. Most of the tumor was extra-renal, with a portion invading the psoas muscle.

Special Studies:

Negative: Cytokeratin, S100, Desmin, Myogenin, HMB45, LCA, CD30, CD34
Positive: CD31

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

Case No. 9 - March 2008 A

Tissue from: Right maxilla

Accession #30572

Clinical Abstract:

This 60 year old man presented with upper respiratory problems and was discovered to have a right maxillary mass.

Gross Pathology:

The 114 gram, 8 x 6 x 4 cm right maxillary resection specimen had an 8 cm fungating, friable exophytic tumor replacing the entire posterior alveolar ridge and projecting inferiorly into the oral cavity, posteriorly into the nasal cavity and oropharynx, and superiorly involved the base of the maxillary sinus.

Special Studies:

Positive: Cytokeratin (focal), EMA (focal)

Negative: S100, HMB-45, desmin, myogenin

Contributor: M. Rose Akin, M.D.
Fresno, CA

Case No. 10 - March 2008 A

Tissue from: Ovary

Accession #30550

Clinical Abstract:

A 55 year old woman complained of post-menopausal bleeding. Work up showed an enlarged right ovary.

Gross Pathology:

The right ovary was 5.3 x 4 x 2.8 cm and had a smooth yellow-tan outer surface. The cut surface showed a 4 cm diameter soft yellow-tan to pink-tan mass composed of spongy tissue with small fluid-filled cysts up to 0.4 cm in greatest diameter.

Special Studies:

Positive: Inhibin

Negative: Chromogranin, synaptophysin, CD99