



**CALIFORNIA  
TUMOR TISSUE REGISTRY**

## **“GENERAL PATHOLOGY”**

**Study Cases, Subscription A**

**March 1999**



**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: David Lawrence, M.D.**  
**Santa Maria**

**CASE NO. 1 - MARCH 1999**

**TISSUE FROM: Lung**

**ACCESSION #28421**

**CLINICAL ABSTRACT:**

This 54-year-old male was found to have a 10 cm diameter right lung mass.

**GROSS PATHOLOGY:**

The resected lung contained an 8.0 x 9.0 x 10.0 cm spherical mass with areas of necrosis up to 2 cm in greatest diameter.

**SPECIAL STUDIES:**

Epithelial elements positive for:	Cytokeratins (AE1 and AE3), CEA, EMA
Spindled elements negative for:	Keratin, EMA, Vimentin, Actin, S-100

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**CONTRIBUTOR: Nora Ostrzega, M.D.**  
**Sylmar, CA**

**CASE NO. 2 - MARCH 1999**

**TISSUE FROM: Ileocecal mass**

**ACCESSION #28404**

**CLINICAL ABSTRACT:**

This 37-year-old African American female presented with a two month history of abdominal pain and weight loss. CT noted a possible fluid collection in the pelvis. A possible mass was felt on examination.

**GROSS PATHOLOGY:**

The specimen included the terminal ileum, cecum and attached appendix. A 9.5 cm long circumferential mass was present in the cecum. The mass was soft, fleshy, pale tan and appeared to involve the entire thickness of the bowel.

**SPECIAL STUDIES:**

Kappa	Diffusely positive
Lambda	Rare scattered positive cells
CD20	Diffusely positive
CD3	Scattered positive cells, mainly small lymphocytes
BCL2	Negative
CD30/(Ber-H2/Ki-1)	Negative

**CONTRIBUTOR: Peter Chen, M.D.**  
**Sylmar, CA**

**CASE NO. 3 - MARCH 1999**

**TISSUE FROM: Bowel**

**ACCESSION #28429**

**CLINICAL ABSTRACT:**

A 49-year-old male presented with a week-long history of GI bleeding and abdominal obstruction. CT scan revealed a pelvic mass and liver lesions.

**GROSS PATHOLOGY:**

The 21.0 x 15.0 x 9.5 cm specimen consisted of kinked, distorted bowel largely replaced by an ill-formed tumor mass, which was composed of friable, soft, variegated, hemorrhagic and tan-red to tan-green tissue.

**SPECIAL STUDIES:**

Vimentin	Positive
Actin	Negative
Desmin	Negative
Chromogranin	Negative
CD34	Negative

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**CONTRIBUTOR: Anthony W. Migler, M.D.**  
**Camarillo, CA**

**CASE NO. 4 - MARCH 1999**

**TISSUE FROM: Rectum**

**ACCESSION #28391**

**CLINICAL ABSTRACT:**

This 84-year-old female had had a rectal polyp, felt to be a hemorrhoid, for several months.

**GROSS PATHOLOGY:**

The 3.0 x 2.5 x 2.0 cm specimen consisted of an ovoid portion of gray-white tissue.

**SPECIAL STUDIES:**

Chromogranin	Negative
CAM 5.2	Negative
HMB-45	Negative
NSE	Positive
S-100	Positive

**CONTRIBUTOR: Loma Linda Pathology Group (drc) CASE NO. 5 - MARCH 1999**  
**Loma Linda, CA**

**TISSUE FROM: Left ovary**

**ACCESSION #28415**

**CLINICAL ABSTRACT:**

This 35-year-old female developed acute onset of severe pain. Ultrasound revealed a large ovarian cyst.

**GROSS PATHOLOGY:**

The specimen consisted of a 420 gram, 9.0 x 7.0 x 4.0 cm cystic, previously ruptured ovary, an 8.0 x 7.0 x 3.0 cm aggregate of soft, pink-tan tissue, and an 18.0 x 9.0 x 4.0 cm aggregate of dark red blood clot. The surface of the ovary appeared smooth with one exception, a 1.0 x 1.0 cm focus of brown-orange adherent material.

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**CONTRIBUTOR: Robert E. Riechmann, M.D.**  
**Covina, CA**

**CASE NO. 6 - MARCH 1999**

**TISSUE FROM: Right hip**

**ACCESSION #28417**

**CLINICAL ABSTRACT:**

A 38-year-old female presented with a 20+ year history of pain in the right hip. Initial hip x-rays were interpreted as normal, though re-examination of the x-rays at a later date revealed a possible lytic lesion. MRI showed a well-demarcated area of homogeneously decreased signal involving the right proximal femur involving the right greater trochanter.

**GROSS PATHOLOGY:**

The 22 gram specimen consisted of multiple, irregularly-shaped pieces of soft, variegated, yellow-tan tissue.

**CONTRIBUTOR: Robert E. Riechmann, M.D.**  
**Covina, CA**

**CASE NO. 7 - MARCH 1999**

**TISSUE FROM: Testis**

**ACCESSION #28418**

**CLINICAL ABSTRACT:**

This 42-year-old male presented with a three week history of a left testicular mass.

**GROSS PATHOLOGY:**

The 130 gram, 7.5 x 5.5 x 4.5 cm testis was covered by a smooth, glistening, pink-tan membrane. The testicular parenchyma had been virtually completely replaced by an ovoid, soft, gray-tan tumor with multiple small cystic spaces containing watery fluid. The mass appeared to be divided into lobules by fibrous septa and within the mass were hemorrhagic-appearing areas.

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**CONTRIBUTOR: Loma Linda Pathology Group (mra)**  
**Loma Linda, CA**

**CASE NO. 8 - MARCH 1999**

**TISSUE FROM: Ileocolic mass**

**ACCESSION #28104**

**CLINICAL ABSTRACT:**

This 40-year-old male had a long history of Crohn's disease with a previous ileocolic resection and anastomosis. He was found to have a mass in the region of the ileocolic anastomosis.

**GROSS PATHOLOGY:**

The 190 gram, 17 x 7.5 x 3.5 cm segment of previously opened bowel had a 6.0 x 2.5 x 2.5 cm region of ulceration and thickening of the bowel wall.

**CONTRIBUTOR: Kenneth Frankel, M.D.**  
**Covina, CA**

**CASE NO. 9 - MARCH 1999**

**TISSUE FROM: Thymus**

**ACCESSION #28356**

**CLINICAL ABSTRACT:**

Over the past year, this 42-year-old male noted drooping of his eyes and progressive weakness. During a CT scan work-up a thymic mass was noted.

**GROSS PATHOLOGY:**

The 75 gram, 9.5 x 7.5 x 3.0 cm specimen consisted of a firm lobulated tan-brown tissue which contained a 5.0 x 4.0 x 0.3 cm, well-circumscribed firm pink-gray lobulated mass.

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**CONTRIBUTOR: John Sacoolidge, M.D.**  
**Sylmar, CA**

**CASE NO. 10 - MARCH 1999**

**TISSUE FROM: Pelvic mass**

**ACCESSION 28355**

**CLINICAL ABSTRACT:**

An 81-year-old female developed loss of appetite and abdominal pain. CT scan revealed a mass in the pelvis. Past history included a hysterectomy 20 years earlier.

**GROSS PATHOLOGY:**

The 368 gram specimen was consisted of hemorrhagic, friable, multicolored tissue fragments ranging from purplish-red to grayish-tan. Cut sectioning revealed the tissue to be glistening, grayish-white to pinkish-tan in color with large areas of hemorrhage and necrosis.

**SPECIAL STUDIES:**

Keratin	Positive
Vimentin	Positive
Desmin	Negative