

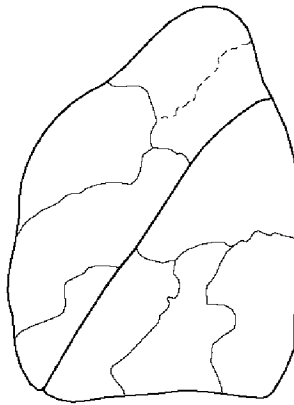


**CALIFORNIA  
TUMOR TISSUE REGISTRY**

## **“PULMONARY PATHOLOGY”**

**Study Cases, Subscription A**

**January, 2005**



**California Tumor Tissue Registry**  
**c/o: Department of Pathology and Human Anatomy**  
**Loma Linda University School of Medicine**  
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**Web page: [www.cttr.org](http://www.cttr.org)**  
**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:**

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: Sherrita Wilson, M.D.  
Edmond, OK**

**Case No. 1 - January 2005**

**Tissue from: Lung**

**Accession #29811**

**Clinical Abstract:**

Work-up for hemoptysis in a 20-year-old female showed a posterior mediastinal mass. Transbronchial biopsies were nondiagnostic. During this time she suffered a pulmonary hemorrhage leading to an emergency thoracotomy and the left lower lobe of lung was resected.

**Gross Pathology:**

A large posterior cystic mass filled with clotted blood protruded from the lobe of lung. The cut surface showed multiple fibrotic hemorrhagic cysts measuring from 3.5 cm up to 8.0 cm within the lung parenchyma.

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

**Case No. 2 - January 2005**

**Tissue from: Lung**

**Accession #22967**

**Clinical Abstract:**

A routine chest x-ray revealed a large left upper lobe lung mass in this 59-year-old female.

**Gross Pathology:**

The 525 gram lobe of lung contained an 8.0 cm firm white tumor.

**SPECIAL STUDIES:**

Cytokeratin cocktail	rare cells positive
EMA	rare cells positive
Desmin	negative
S100	negative

**Contributor: Donovan Hare, M.D.**  
**Redlands, CA**

**Case No. 3 - January 2005**

**Tissue from: Lung**

**Accession #29767**

**Clinical Abstract:**

This 81-year-old male was found to have a mass in his left lung.

**Gross Pathology:**

The 585 gram, 18.0 x 10.5 x 7.3 cm left lower lobe of lung contained a vague diffuse mass essentially occupying the majority of the lung.

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**Contributor: J.E. Denton, M.D.**  
**Ventura, CA**

**Case No. 4 - January 2005**

**Tissue from: Lung**

**Accession #15035**

**Clinical Abstract:**

This 23-year-old male complained of flu-like symptoms. A chest x-ray showed atelectasis. Bronchoscopy showed a large occluding tissue mass.

**Gross Pathology:**

Within the 586 gram right lung was an 8.2 x 7.5 x 2.8 cm tumor extending the length of the lower lobe bronchus.

**Contributor: Donald K. Hitman, M.D.**  
**Eureka, CA**

**Case No. 5 - January 2005**

**Tissue from: Lung**

**Accession #17510**

**Clinical Abstract:**

Work-up for vague left upper quadrant pain in this 57-year-old male showed a left adrenal mass and a 2.0 cm mass in the lung.

**Gross Pathology:**

The small lung segment was approximately 2.0 cm.

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

**Case No. 6 - January 2005**

**Tissue from: Lung**

**Accession #29817**

**Clinical Abstract:**

A CT scan showed bilateral nodules in this 68-year-old female's lung, associated with mediastinal lymphadenopathy.

**Gross Pathology:**

A 6.0 x 5.5 x 2.0 cm wedge resection of lung contained a 2.2 cm solid tan-yellow to tan-gray mass beneath the pleura.

**SPECIAL STUDIES (Outside):**

CD15	positive
CD30	positive
Bcl-2	positive
Ki-67	positive
CD20	negative
CD3	negative

**Contributor: Evelyn Blazado, M.D.**  
**National City, CA**

**Case No. 7 - January 2005**

**Tissue from: Left Pleura**

**Accession #29753**

**Clinical Abstract:**

After 2-3 months of weight loss associated with chronic vomiting, this 82-year-old male was found to have a left pleural effusion.

**Gross Pathology:**

The left pleural tissue measured 4.5 x 1.8 x 1.3 cm.

**SPECIAL STUDIES:**

Cytokeratin	strongly positive
Vimentin	positive
Calretinin	foci of positivity

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

**Case No. 8 - January 2005**

**Tissue from: Lung**

**Accession #29643**

**Clinical Abstract:**

After experiencing chest pain, shortness of breath and a seizure-like episode, this 51-year-old male presented to the Emergency Department. A chest CT scan showed a pleural effusion and a possible pleural-based mass. A left lower lobe resection was performed.

**Gross Pathology:**

The well circumscribed fleshy firm tumor weighed 742 grams and measured 16.0 x 12.5 x 6.5 cm. The cut surface showed numerous areas of myxoid, hemorrhagic and cystic degeneration.

**SPECIAL STUDIES:**

CD34	positive
Bcl-2	positive
Desmin	negative
Cytokeratin	negative
S100	negative
SMA	negative

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

**Case No. 9 - January 2005**

**Tissue from: Left chest wall**

**Accession #29650**

**Clinical Abstract:**

A left chest wall mass was discovered in this 52-year-old male.

**Gross Pathology:**

The fleshy friable mass measured 4.5 x 5.0 x 2.0 cm and weighed 29 grams.

**SPECIAL STUDIES:**

Keratin	negative
AE1/AE3/CK5/6	negative
EMA	negative
Calretinin	negative
Desmin	negative
Myogenin	negative
Bcl-1	positive
CD99 (MIC-2)	positive

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**Contributor: William E. Cowell, M.D.**  
**Oceanside, CA**

**Case No. 10 - January 2005**

**Tissue from: Lung**

**Accession #23457**

**Clinical Abstract:**

This retired 80-year-old male electrician had a history of asbestos exposure. He presented with pleural effusion, weight loss, fatigue, malaise along with a persistent nonproductive cough. A CT scan revealed a 50% pneumothorax on the left and a cannonball lesion seen within the collapsed left lung.

**Gross Pathology:**

The spherical soft tissue mass was 7.0 cm in diameter.

**SPECIAL STUDIES:**

Cytokeratin	strongly positive
Desmin	negative
Vimentin	negative
CD34	negative