

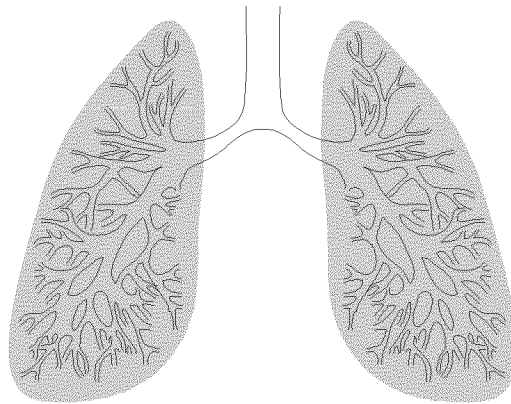


CALIFORNIA
TUMOR TISSUE REGISTRY

“PULMONARY & MEDIASTINAL PATHOLOGY”

Study Cases, Subscription B

March 2011



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
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 (rr)
Loma Linda, CA**

Case No. 1 - March 2011 B

Tissue from: Right lung, middle lobe

Accession #31270

Clinical Abstract:

A 51 year-old man had a right lung mass.

Gross Pathology:

The 146 gram, 13 x 11 x 5 cm right middle lobe had a 5 x 3 x 2 cm irregular nodule apparently arising from the bronchus and extending to the pleural surface.

Special Studies:

Positive in tumor cells: CK7, CK5/6

Negative in tumor cells: CK20, TTF-1, mucicarmine

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

Case No. 2 - March 2011 B

Tissue from: Right lung, lower lobe

Accession #31236

Clinical Abstract:

This 64 year-old man had a right lung mass.

Gross Pathology:

The 310 gram, 19 x 13 x 7 cm lobe of lung had a 5 x 3.5 x 2 cm white-tan mass that retracted the pleura.

**Contributor: James P. Almas, M.D.
South Pasadena, CA**

Case No. 3 - March 2011 B

Tissue from: Retroperitoneum

Accession #23611

Clinical Abstract:

A 73 year-old obese woman, in previously good health, died following a massive myocardial infarction. An autopsy was performed.

Gross Pathology:

At autopsy, a 7 cm diameter well circumscribed mass was found in the upper lobe of her right lung. The tumor was rubbery, homogeneous with a white-pink cut surface without areas of hemorrhage or necrosis. The pleural was uninvolved. The tumor did not communicate with bronchus, vein or artery.

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

Case No. 4 - March 2011 B

Tissue from: Left lung, lower lobe

Accession #31250

Clinical Abstract:

A 73 year-old man had a left lung mass.

Gross Pathology:

The 280 gram, 18 x 14 x 7 cm lobe of lung contained a 6.5 x 6 x 5 cm poorly circumscribed white-tan mass with central necrosis.

Special Studies:

Positive: Synaptophysin, p63 (focal), keratin cocktail

Negative: Chromogranin, TTF-1, S100

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

Case No. 5 - March 2011 B

Tissue from: Left lung, upper lobe

Accession #31062

Clinical Abstract:

This 86 year-old man had a left lung mass.

Gross Pathology:

The 10 gram wedge resection contained a 5 x 2.5 x 1.5 cm lobulated firm white nodule with a homogeneous cut surface.

Special Studies:

Positive: CD34, Bcl2

Negative: Desmin, actin, S100, Calretinin

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

Case No. 6 - March 2011 B

Tissue from: Right lung

Accession #30501

Clinical Abstract:

A 65 year-old woman had a right lung mass.

Gross Pathology:

The lung mass was submitted in multiple fragments up to 7 cm in greatest diameter and forming a 183 gram aggregate.

Special Studies:

Positive: Cytokeratin cocktail, EMA

Negative: S100, CD34, Desmin

**Contributor: Peter Morris, M.D.
Santa Barbara, CA**

Case No. 7 - March 2011 B

Tissue from: Mediastinum

Accession #31020

Clinical Abstract:

A mediastinal mass was discovered incidentally in this 76 year-old man.

Gross Pathology:

The 12 cm long resection specimen had a 4 x 3.5 x 2 cm encapsulated mass with a 2 cm diameter cyst.

Special Studies:

Negative: Chromogranin, synaptophysin

Positive (epithelial cells): CK5/6, AE1/AE3

Positive (lymphocytes): CD5, CD3, CD1A, CD99, BCL-2

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

Case No. 8 - March 2011 B

Tissue from: Mediastinum

Accession #30661

Clinical Abstract:

This 39 year-old man was found to have a mediastinal mass.

Gross Pathology:

The 80 gram, 9 x 5.5 x 3.5 cm resection specimen had a 4.5 x 3 x 2 cm pink-tan mass with cystic regions up 3 cm in diameter.

Contributor: Alexandra Reichman, M.D.
Marysville, CA

Case No. 9 - March 2011 B

Tissue from: Mediastinum

Accession #31205

Clinical Abstract:

A 72 year-old woman with atrial fibrillation was found to have mediastinal enlargement. A CT scan showed an anterior mediastinal mass with possible extension into the superior vena cava and right atrium.

Gross Pathology:

The 59 gram specimen had 7.7 x 6.3 x 3 cm well-defined, slightly lobulated solid firm tan mass.

Contributor: Jin Wang, M.D.
Hanzhou, China

Case No. 10 - March 2011 B

Tissue from: Mediastinum

Accession #30113

Clinical Abstract:

This 53 year-old woman had a nine-month history of “puffiness of the face” and was found by CT scan to have a mass in her anterior mediastinum.

Gross Pathology:

The multiple fragments of nodular tissue formed a 12 x 8 x 5 cm aggregate. The cut surfaces were gray-white, yellow and gray-red.

Special Studies:

Positive: Keratin cocktail, EMA

Negative: Desmin, S100