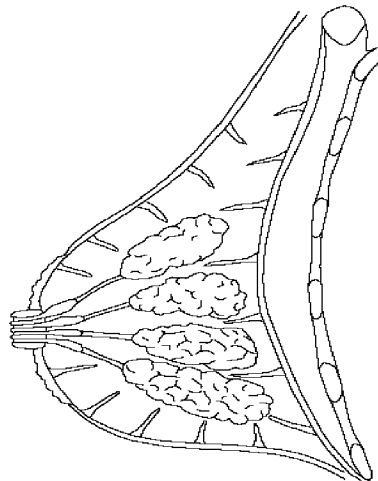




**CALIFORNIA  
TUMOR TISSUE REGISTRY**

## **Tumors of the Breast Study Cases, Subscription B**

**September, 2005**



**California Tumor Tissue Registry**  
c/o: Department of Pathology and Human Anatomy  
Loma Linda University School of Medicine  
11021 Campus Avenue, AH 335  
Loma Linda, California 92350  
(909) 558-4788  
FAX: (909) 558-0188  
E-mail: [cttr@linkline.com](mailto:cttr@linkline.com)  
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: Aaron Dubrow, M.D.**  
**Lakeview Terrace, CA**

**Case No. 1 - September, 2005**

**Tissue from: Left Breast**

**Accession #20930**

**Clinical Abstract:**

A 14-year-old African American female presented with asymptomatic nodules in her right breast. The nodules were excised.

**Gross Pathology:**

Not available

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

**Case No. 2 - September, 2005**

**Tissue from: Right Breast**

**Accession #28862**

**Clinical Abstract:**

While drying himself off after mowing the lawn, this 76-year-old man noticed a lump in his right breast. Two months later he underwent an excisional biopsy.

**Gross Pathology:**

Within the 3.0 x 2.0 x 2.5 cm fibroadipose specimen was a 2.0 x 1.0 x 1.5 cm firm, rubbery, tan-brown, well-circumscribed nodule.

**Special Studies:**

Positive: Vimentin, muscle specific actin (MSA), Desmin  
Negative: S-100, CD34

**Contributor: Farooq Ali, M.D.  
Ventura, CA**

**Case No. 3 - September, 2005**

**Tissue from: Right Breast**

**Accession #29070**

**Clinical Abstract:**

A 58-year-old Hispanic female presented with a self-discovered, firm right breast mass. She was not on hormone replacement therapy.

**Gross Pathology:**

The specimen consisted of an a 3.5 x 2.5 x 1.8 cm firm white oval mass with indistinct margins, surrounded by fibroadipose tissue.

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**Tissue from: Breast**

**Case No. 4 - September, 2005**

**Contributor: Ujvala Sawkar, M.D.  
Brawley, CA**

**Accession #29411**

**Contributor: Richard Protzel, M.D.  
Encino, CA**

**Accession #24702**

**Clinical Abstract:**

(29411) A 37-year-old female presented with a mass in her right breast. A mammogram showed a moderately diffuse density with a spiculated pattern in the anterior lateral portion of the right breast. An excisional biopsy was performed.

(24702) A 55-year-old female presented with a mass in her breast. The mass was excised.

**Gross Pathology:**

(29411) The 6.0 x 4.2 x 2.0 cm tan, fatty specimen contained a 2.0 cm hard, white, pale yellow area.

(24702) Unavailable.

**Contributor: James Tenney, M.D.  
Mammoth Lakes, CA**

**Case No. 5 - September, 2005**

**Tissue from: Left Breast**

**Accession #28788**

**Clinical Abstract:**

Seven months after noticing a lump in her left breast, a 23-year-old female present for evaluation. The lump was slightly sore, but had not changed in size. On physical examination, a slightly tender mass was confirmed at the 12:00 aspect, 2.0 cm from the areolar margin.

**Gross Pathology:**

The 3.0 x 2.0 x 2.0 cm firm, gray-tan specimen had a white, focally cystic cut surface.

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**Contributor: W. Leonard Taylor, M.D.  
Redlands, CA**

**Case No. 6 - September, 2005**

**Tissue from: Left Breast**

**Accession #28552**

**Clinical Abstract:**

A 41-year-old female sought treatment for a mass in her left breast, which she had noted on self breast examination. Mammogram and ultrasound showed a 2.6 x 2.1 x 2.3 cm solid lesion, in addition to multiple cysts.

**Gross Pathology:**

The 31 gram, 6.0 x 4.0 x 3.2 cm egg-shaped portion of firm tissue had a hemorrhagic gray cut surface.

**Special Studies:**

Positive:	Desmin (spotty 2+ positivity)
Negative:	Keratin, S-100 protein

**Contributor: Jozef Kollin, M.D.**  
**Lakewood, CA**

**Case No. 7 - September, 2005**

**Tissue from: Left Breast**

**Accession #28913**

**Clinical Abstract:**

A 28-year-old female presented with a 12.0 cm left breast mass that developed rapidly during the course of her pregnancy.

**Gross Pathology:**

The 210 gram, 11.0 x 9.0 x 8.0 cm oval-shaped breast mass had a multilobulated cut surface with thin fibrous bands dividing the tissue in multiple areas. The appearance and texture varied from highly mucinous to more solid and gray-white areas.

**Special Studies:**

Negative: Keratin, Desmin

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**Contributor: Thomas Canfield, M.D.**  
**Montrose, CO**

**Case No. 8 - September, 2005**

**Tissue from: Right Breast**

**Accession #28803**

**Clinical Abstract:**

A 93-year-old female underwent an excisional biopsy for a 3.5 cm tumor identified in the right breast.

**Gross Pathology:**

The mass measured 3.5 cm.

**Special Studies:**

Negative: Chromogranin, NSE, Mucicarmin

**Contributor: Kenneth Frankel, M.D.**

**Case No. 9 - September, 2005**

**Tissue from: Right Breast**

**Accession #30235**

**Clinical Abstract:**

During routine physical examination of this 54-year-old female, a mass was noted in the 11:00 aspect of her left breast, two inches from the areola. The mass was excised.

**Gross Pathology:**

Within the 5.7 x 3.0 x 2.5 cm specimen was a 3.2 x 2.5 x 2.5 cm well-circumscribed, smooth, ovoid-shaped, glistening, firm, tan-white nodule. Sectioning revealed a homogeneous firm, tan-white parenchyma.

**Special Studies:**

Positive: Smooth muscle actin (SMA), Desmin, CD34  
Negative: Keratin, S-100 protein

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**Contributor: Philip Robinson, M.D.  
Boynton Beach, FL**

**Case No. 10 - September, 2005**

**Tissue from: Left Breast**

**Accession #29079**

**Clinical Abstract:**

A 73-year-old female sought treatment for a mass in her left breast.

**Gross Pathology:**

The 6.0 x 6.0 x 2.5 cm specimen contained a 3.5 x 2.5 x 4.5 cm lobulated pale tan to pink nodule with indistinct boundaries.

**Special Studies:**

Positive: Kappa (+ moderate), CD10 (+ moderate), CD45 (+ moderate)  
Negative: Lambda, CD5, CD7, CD8, CD11c, CD13, CD25, CD34