

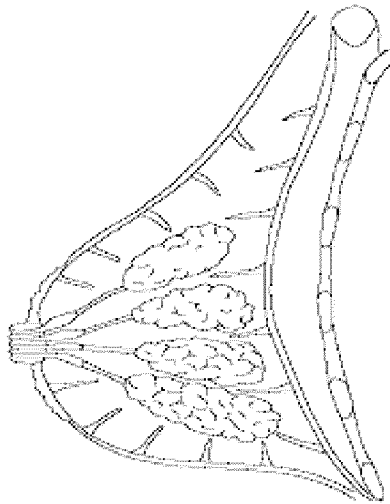


CALIFORNIA  
TUMOR TISSUE REGISTRY

## **“BREAST PATHOLOGY”**

**Study Cases, Subscription A**

**January 2012**



**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:**

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: Alexandra Reichman  
Marysville, CA**

**Case No. 1 - January 2012 A**

**Tissue from: Right breast**

**Accession #31322**

**Clinical Abstract:**

This 14 year-old girl presented with a right breast mass.

**Gross Pathology:**

The 44 gram, 5 x 5 x 3.5 cm slightly lobulated, fairly well defined, slightly firm, tan-white mass had a solid, fairly uniform tan-white cut surface.

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**Contributor: Virginia Anderson, M.D.  
Los Angeles, CA**

**Case No. 2 - January 2012 A**

**Tissue from: Left breast**

**Accession #20985**

**Clinical Abstract:**

A 47 year-old woman had a left breast mass.

**Gross Pathology:**

The 975 gram resection specimen contained a 7 x 4 x 2.5 cm firm infiltrating mass beneath the nipple.

**Contributor: Howard Otto, M.D.  
Hancock, MI**

**Case No. 3 - January 2012 A**

**Tissue from: Left breast**

**Accession #23649**

**Clinical Abstract:**

A 77 year-old woman was found to have a mass in her left breast.

**Gross Pathology:**

The 23 x 15 x 14 cm resected breast was deformed by an 18 x 14 x 10 cm gray nodular mass replacing about 90% of the breast. The cut surface showed multiple areas of degeneration and necrosis.

Special Studies:

Negative: Cytokeratin cocktail, Desmin, S100

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**Contributor: Howard Otto, M.D.  
Hancock, MI**

**Case No. 4 - January 2012 A**

**Tissue from: Breast**

**Accession #30654**

**Clinical Abstract:**

This 50 year-old woman underwent incisional biopsy of a large indurate area of the breast, believed by the surgeon to represent fibrocystic change. A recent aspiration had been read as benign.

**Gross Pathology:**

The biopsy specimen showed numerous “small microfocal cystic areas”.

**Contributor: Fred Tillock, M.D.  
Oceanside, CA**

**Case No. 5 - January 2012 A**

**Tissue from: Left breast**

**Accession #23926**

**Clinical Abstract:**

For about six month, this 60 year-old woman had noted a variably sized but slowly enlarging nodule in the inner aspect of her left breast.

**Gross Pathology:**

The biopsy specimen was 3.5 cm in greatest diameter. The cut surface was very firm with chalky white streaks.

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**Contributor: Harvy C. Upham, M.D.  
Whittier, CA**

**Case No. 6 - January 2012 A**

**Tissue from: Right breast**

**Accession #20157**

**Clinical Abstract:**

This 54 year-old woman had noted a breast mass and a biopsy was read as benign. Several months later the skin near the areola developed an orange peel appearance and she could feel a vague fullness beneath it. A biopsy and subsequent mastectomy was performed.

**Gross Pathology:**

Not available.

**Contributor: Harlan F. Fulmer, M.D.**  
**Fresno, CA**

**Case No. 7 - January 2012 A**

**Tissue from: Right breast**

**Accession #19492**

**Clinical Abstract:**

This 84 year-old woman discovered a lump in her right breast. It was about 3 cm, poorly defined but mobile, in the upper outer quadrant. The overlying skin showed mild dimpling.

**Gross Pathology:**

The 4.5 x 4 x 3 cm biopsy specimen contained a 2.5 x 1.7 cm glistening gray mucoid appearing mass.

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**Contributor: Alexander Lyster, M.D.**  
**Monrovia, Liberia**

**Case No. 8 - January 2012 A**

**Tissue from: Right breast**

**Accession #29857**

**Clinical Abstract:**

This 21 year-old woman had a right breast mass.

**Gross Pathology:**

The 6 x 4 x 3 cm ovoid excisional biopsy showed a 5 x 3 x 2 cm well circumscribed hemorrhagic gray-tan mass.

Special Studies:

Positive: CAM 5.2

Negative: PLAP

**Contributor: Shirley E. A. Howard, M.D.**  
**Fresno, CA**

**Case No. 9 - January 2012 A**

**Tissue from: Left breast**

**Accession #22444**

**Clinical Abstract:**

A 42 year-old woman had a left breast mass.

**Gross Pathology:**

The mastectomy specimen was 22 x 18 cm. In the upper outer quadrant was a 13 cm diameter bulging mass that thinned and discolored the overlying skin. The cut surface showed numerous areas of cystic hemorrhagic necrosis in a granular gray-white tumor.

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**Contributor: Paul Michael, M.D.**  
**Oakland, CA**

**Case No. 10 - January 2012 A**

**Tissue from: Right breast**

**Accession #08228**

**Clinical Abstract:**

About three months prior to presentation, this 31 year-old woman noted a small lump beneath the skin of her right breast. It gradually enlarged from the “size of an olive” to the “size of an orange” and she sought medical attention.

**Gross Pathology:**

The excisional biopsy with overlying skin showed a previously opened, 6 x 4 cm thick-walled cyst with a granular lining. Surrounding tissue was fibrotic.