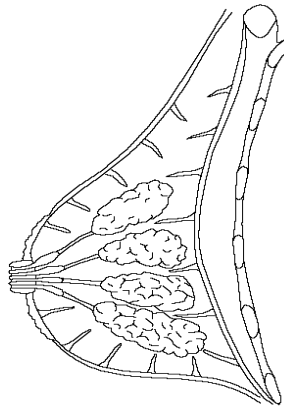


CALIFORNIA  
TUMOR TISSUE REGISTRY

## **“BREAST PATHOLOGY”**

**Study Cases, Subscription A**

**May 2000**



**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)**  
**Case of the Month: [www.llu.edu/llu/cttr/cotm](http://www.llu.edu/llu/cttr/cotm)**

**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: T.C. Nelson, M.D.**  
**Fresno, CA**

**Case No. 1 - May 2000**

**Tissue from: Breast**

**Accession #12593**

**Clinical Abstract:**

This 27-year-old female delivered a normal infant three months prior to this breast biopsy and was then nursing the baby.

**Gross Pathology:**

No gross description given.

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**Contributor: Raymond Lesonsky, M.D.**  
**Northridge, CA**

**Case No. 2 - May 2000**

**Tissue from: Right Breast**

**Accession #26769**

**Clinical Abstract:**

Aware of a mass in her right breast for the past two years, this 25-year old gravida 3, para 3, female reported increased breast size since the delivery of her last child, which was 10 months earlier. She had no family history of breast disease and had not had exogenous hormone therapy.

**Gross Pathology:**

The 4.0 x 3.5 x 2.5 cm rubbery firm tan nodule was composed of multiple sieve-like cystic areas varying from 1 mm up to 6 mm in greatest dimension and exuded a yellow-white thick fluid from its cut surfaces.

**Contributor: Chisa Aoyama, M.D.  
Sylmar, CA**

**Case No. 3 - May 2000**

**Tissue from: Right Breast**

**Accession #28582**

**Clinical Abstract:**

A 65-year-old female presented with a one-year history of a lump in the right underarm and breast.

**Gross Pathology:**

The 17.5 x 15.0 x 4.5 cm mastectomy specimen included a 6.0 x 4.5 x 2.0 cm mass in the upper inner quadrant as well as palpably enlarged lymph nodes in the attached axillary tail.

**SPECIAL STAINS (outside facility):**

ER/PR	negative
GCDFP	negative
CEA	positive
S-100	positive
Thyroglobulin	negative

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

**Case No. 4 - May 2000**

**Tissue from: Right Breast**

**Accession #28563**

**Clinical Abstract:**

This 38-year-old female was found to have a mass in her right breast.

**Gross Pathology:**

A 14.5 x 6.0 x 4.5 cm irregular pink-tan tumor was centrally located beneath the nipple of this 1340 gram breast resection and appeared to involve all four quadrants. The tumor consisted of soft tan-pink tissue with multiple cysts ranging from 1.0 cm to 3.0 cm in greatest diameter and some areas of necrosis.

**Contributor: J.R. McGrath, M.D.**  
**Inglewood, CA**

**Case No. 5 - May 2000**

**Tissue from: Left Breast**

**Accession #12615**

**Clinical Abstract:**

For about eight weeks, this 71-year-old Caucasian female had noted a lump under her left arm. She felt that it was increasing in size and presented for examination. A hard but freely moveable mass was palpable in the upper outer quadrant.

**Gross Pathology:**

The 30.0 x 17.0 x 7.0 cm mastectomy specimen with axillary tissue included a 3.0 x 3.0 x 2.5 cm well-circumscribed glistening gelatinous pink-gray tumor mass located in the tail of the axillary breast tissue.

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

**Case No. 6 - May 2000**

**Tissue from: Right Breast**

**Accession #28674**

**Clinical Abstract:**

For about two months this 90-year-old Caucasian female had noted a lump in her right breast. The mass was hard and warm to the touch.

**Gross Pathology:**

The breast resection included a 6.0 x 3.0 x 3.0 cm firm gray fibrotic area infiltrating the breast in the upper outer quadrant.

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

**Case No. 7 - May 2000**

**Tissue from: Right Breast**

**Accession #28465**

**Clinical Abstract:**

A 78-year-old female presented with a recurrent mass in her right breast.

**Gross Pathology:**

The resection consisted of 16 grams of soft rubbery pink-tan and yellow tissue.

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

**Case No. 8 - May 2000**

**Tissue from: Left Breast**

**Accession #28640**

**Clinical Abstract:**

This 41-year-old, gravida 2, para 2, Hispanic female reported that a tender lump in her left breast mass had increased steadily in size within a few months.

**Gross Pathology:**

The specimen consisted of a 5.0 cm diameter soft yellow-white tumor surrounded by a rim of yellow adipose tissue.

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

**Case No. 9 - May 2000**

**Tissue from: Right Breast**

**Accession #28561**

**Clinical Abstract:**

This 33-year-old female reported a past history of masses removed from both breasts. A new mass in her right breast had shown increased growth and caused discomfort. Physical examination revealed a mass occupying almost the entire lower quadrant of the right breast.

**Gross Pathology:**

The 55 gram, 7.0 x 6.0 x 4.5 cm circumscribed pink-gray-tan nodule demonstrated a fleshy pink-tan parenchyma with scattered 0.2 to 0.4 cm cystic spaces filled with turbid tan fluid.

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**Contributor: Anthony Migler, M.D.  
Oxnard, CA**

**Case No. 10 - May 2000**

**Tissue from: Right Breast**

**Accession #28482**

**Clinical Abstract:**

During a routine checkup, this 35-year-old female was noted by a nurse practitioner to have a lump in the right breast. Following a needle biopsy, a modified radical mastectomy was performed.

**Gross Pathology:**

The 550 gram, 17.0 x 17.0 x 10.0 cm breast resection showed a 4.5 x 3.5 x 3.5 cm poorly circumscribed indurated red area.