

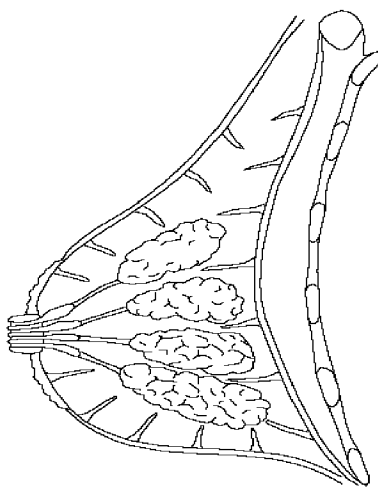


**CALIFORNIA
TUMOR TISSUE REGISTRY**

“Tumors of the Breast”

Study Cases, Subscription A

September 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
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:

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

Case No. 1 - September 2005

Tissue from: Breast

Accession #29250

Clinical Abstract:

A 65 year old woman was found to have a breast mass, which was excised.

Gross Pathology:

The breast resection specimen contained a 5.1 x 4.7 x 3.9 cm yellow-red hemorrhagic, focally cystic mass.

Contributor: Mark Janssen, M.D.
Anaheim, CA

Case No. 2 - September 2005

Tissue from: Right breast

Accession #29476

Clinical Abstract:

Following diagnosis and counseling for neurofibromatosis, this 34 year old woman was found to have a nodule in her right breast.

Gross Pathology:

The 4.5 gram, 2.5 cm resection specimen contained a 2.0 x 1.5 x 1.5 cm dense yellow-white nodule with an adjacent 0.5 x 0.5 x 0.3 cm calcified white area.

**Contributor: Roger Terry, M.D.
San Gabriel, CA**

Case No. 3 - September 2005

Tissue from: Left breast

Accession #30000

Clinical Abstract:

A screening mammogram showed an ill-defined solid mass in the upper outer quadrant of the left breast of this 71 year old woman. She had a strong family history of breast cancer.

Gross Pathology:

A 4.2 cm diameter firm white mass was sent for frozen section. The mastectomy specimen included a biopsy cavity but showed no dominant mass. Study set slides are taken from the mastectomy specimen.

**Contributor: Mark Janssen
Anaheim, CA**

Case No. 4 - September 2005

Tissue from: Right axillary node

Accession #28092

Clinical Abstract:

This 72 year old woman presented with erythema of her right breast and subsequently developed a right axillary mass. Breast biopsies were non-diagnostic. The axillary mass was excised.

Gross Pathology:

The 5.1 gram, 3 x 2.5 x 1.5 cm ovoid lymph node had a variegated cut surface with areas of firm white tissue and focal necrosis.

Special Studies:

ER/PR negative

**Contributor: Morteza Moussavi, M.D.
El Centro, CA**

Case No. 5 - September 2005

Tissue from: Right breast

Accession #29467

Clinical Abstract:

During self-examination, a 39 year old woman noted a mass in the upper outer quadrant of her right breast. She had no family history of breast cancer. Physical examination showed a smooth, freely moveable 6 cm mass.

Gross Pathology:

The 6 x 6 x 4.5 cm, soft, well-encapsulated mass had a lobular pink-tan cut surface.

**Contributor: Mark DeMeo, M.D.
Santa Rosa, CA**

Case No. 6 - September 2005

Tissue from: Left breast

Accession #29078

Clinical Abstract:

A nodule was discovered in the left breast of this 44 year old woman.

Gross Pathology:

The specimen consisted of a 3 x 2.5 x 2.5 cm nodular portion of soft, white-tan tissue.

Contributor Alexander Lyster, M.D.
Victoria, TX

Case No. 7 - September 2005

Tissue from: Right breast

Accession #30238

Clinical Abstract:

A 25 year old woman presented with a mass in her right breast. Physical examination showed a large mass with an adjacent satellite nodule.

Gross Pathology:

The 112 gram, 8 x 6 x 4 cm firm mass was well circumscribed and had a solid, golden tan cut surface. Adjacent to it was a 1.5 cm, well circumscribed hard gray nodule.

Contributor: Xuedong Wang, M.D.
Pasadena, CA

Case No. 8 - September 2005

Tissue from: Right breast

Accession #29661

Clinical Abstract:

Six weeks prior to admission, this 86 year old woman noticed a mass in her right breast. Mammogram showed a large mass with features suspicious for carcinoma. Physical exam showed a 5 cm mass with indistinct borders and overlying dimpling of the skin. An axillary nodule was also noted.

Gross Pathology:

Deep within the mastectomy specimen was a 5.5 x 4.5 x 2.5 cm, firm, pink-tan mass with irregular borders. The cut surface was generally solid with small foci of necrosis.

**Contributor: Henry Tesluk, M.D.
Sacramento, CA**

Case No. 9 - September 2005

Tissue from: Left breast

Accession #29138

Clinical Abstract:

After developing a cough, shortness of breath, chest pain and weight loss, this 55 year old woman, with a long history of alcoholism, presented for medical care. She was treated for pneumonia but deteriorated rapidly and died. During her hospital stay, she was noted to have an ulcerating breast tumor.

Gross Pathology:

Autopsy findings included the ulcerating left breast tumor with widespread metastases, including axillary nodes, lung, liver and vertebral marrow.

Special Studies:

Chromogranin strongly positive

**Contributor: Jin Mei, M.D.
Hangzhou, China**

Case No. 10 - September 2005

Tissue from: Right breast

Accession #30328

Clinical Abstract:

This 20 year old woman had a right breast mass that gradually enlarged for more than a year. Physical examination showed a large, richly vascular mass that displaced normal breast tissue.

Gross Pathology:

Within the mastectomy specimen was an 8 x 6 cm dark red mass with a spongy cut surface and ill-defined borders.