

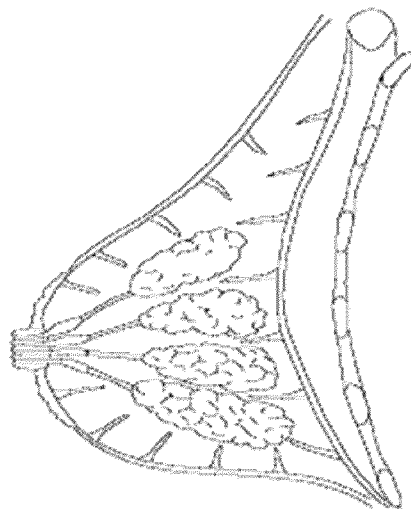


CALIFORNIA
TUMOR TISSUE REGISTRY

“BREAST PATHOLOGY”

Study Cases, Subscription A

January 2010



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: Lester Thompson, M.D.
Woodland Hills, CA

Case No. 1 - January 2010 A

Tissue from: Breast

Accession #31095

Clinical Abstract:

A 22 year old woman presented with a palpable mass in the upper outer quadrant of the breast. The mass was mammographically abnormal.

Gross Pathology:

The 6 x 5 x 3 cm nodule had a fleshy cut surface with ill-defined blending into surrounding fat.

Contributor: Kenneth Frankel, M.D.
Covina, CA

Case No. 2 - January 2010 A

Tissue from: Left breast

Accession #22175

Clinical Abstract:

Because her left breast was enlarging, this 18 year old woman sought augmentation mammoplasty for her right breast to make it the same size as the left. Physical examination revealed a large mass in her left breast.

Gross Pathology:

The lumpectomy specimen consisted of a 9.5 x 8.2 x 4.5 cm well circumscribed soft rubbery lobulated pink-tan tumor.

**Contributor: Catherine Odell, M.D.
Riverside, CA**

Case No. 3 - January 2010 A

Tissue from: Right breast

Accession #30897

Clinical Abstract:

A 49 year old woman was found to have a mass in her right breast.

Gross Pathology:

A 4 cm diameter mass was excised.

**Contributor: Pamela Boswell, D.O.
La Jolla, CA**

Case No. 4 - January 2010 A

Tissue from: Left breast

Accession #31038

Clinical Abstract:

After two years of watching a slowly enlarging breast mass, initially interpreted radiographically as a fibroadenoma, this 74 year old woman underwent an excisional biopsy.

Gross Pathology:

The 4.8 x 4.2 x 1.9 cm lumpectomy specimen contained a well circumscribed gray-white 2.3 x 2 x 2 cm mass. The cut surface was focally hemorrhagic.

Special Studies:

Positive: ER, PR

**Contributor: Pamela Boswell, D.O.
La Jolla, CA**

Case No. 5 - January 2010 A

Tissue from: Left breast

Accession #31001

Clinical Abstract:

For two years, this 57 year old woman had noted a nodule in her left breast which had recently increased in size.

Gross Pathology:

Within the partial mastectomy specimen was a 3.5 x 2.5 x 2 cm very well circumscribed homogeneous mass.

Special Studies:

Positive: ER, PR

Negative: Vimentin, SMMHC

**Contributor: Pamela Boswell, D.O.
La Jolla, CA**

Case No. 6 - January 2010 A

Tissue from: Left breast

Accession #30872

Clinical Abstract:

This 40 year old woman had a left breast mass with dusky hyperpigmentation of the overlying skin. Following biopsy, she underwent neoadjuvant chemotherapy.

Gross Pathology:

The 1,108 gram mastectomy specimen including a 3.8 x 3.6 x 3.5 cm rounded necrotic brown-tan tumor near a 9 cm diameter ill-defined region of hard tumor with stellate borders. The skin overlying this region was discolored and thickened.

**Contributor: Catherine Odell, M.D.
Riverside, CA**

Case No. 7 - January 2010 A

Tissue from: Left breast

Accession #30999

Clinical Abstract:

This 65 year old woman had a mass in her left breast.

Gross Pathology:

The mastectomy specimen contained a 5.5 x 5 x 4.5 cm firm red-tan mass with focal softening.

Special Studies:

Positive: Cytokeratin

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

Case No. 8 - January 2010 A

Tissue from: Left breast

Accession #30984

Clinical Abstract:

A 55 year old woman underwent mastectomy following a prior lumpectomy for a left breast mass.

Gross Pathology:

The 2150 gram, 27 x 20 x 9 cm mastectomy specimen had a 6.5 x 5 cm defect with central necrosis. Surrounding that and involving much of the specimen was a 17 x 11 x 9 cm necrotic tumor.

Special Studies:

Positive ("occasional cells"): Cytokeratin cocktail, CAM5.2, CK34βE12

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

Case No. 9 - January 2010 A

Tissue from: Left breast

Accession #30631

Clinical Abstract:

Eight months after this 82 year old woman had undergone a lumpectomy for a breast mass, there were multiple recurrent breast nodules. A simple mastectomy was performed.

Gross Pathology:

The 27 x 20 x 4 cm mastectomy specimen contained a 20 x 10 x 5 cm hemorrhagic neoplasm.

**Contributor: Albert Olson, M.D.
Los Angeles, CA**

Case No. 10 - January 2010 A

Tissue from: Right breast

Accession #22554

Clinical Abstract:

About 10 years after a small discoloration was noted in the right breast of this 65 year old woman, she returned because the lesion had been slowly enlarging and began to bleed.

Gross Pathology:

The 17 x 12 x 7 cm mastectomy specimen contained a 7 cm well circumscribed brown to red mass in the upper inner quadrant..

Special Studies:

Positive: CD34