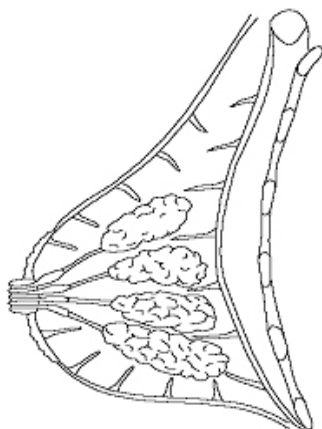


CALIFORNIA
TUMOR TISSUE REGISTRY

“BREAST PATHOLOGY”

Study Cases, Subscription B

January 2016



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
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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/SAM 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. It also qualifies for up to 2 hours of SAM credit by the American Board of Pathology.
CME/SAM 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.

Case No. 1 - January 2016 B

**Composite case: Accession #27765
Or #08448**

**Tissue: Left breast (27765)
 Right breast (08448)**

Clinical Abstract:

(27765): Six months after a normal mammogram, this 44 year old woman presented with a one-month history of a left axillary tail mass.

(08448): For about one month, this 38 year old woman had noticed a gradually enlarging firm mass beneath her right nipple.

Gross Pathology:

(27765): The lumpectomy specimen was 3.5 x 2.5 x 2 cm, containing a 2.5 cm diameter lobulated tan fleshy tumor with pushing borders.

(08448): The excised mass was 4 x 3 x 2.5 cm with a gray, focally hemorrhagic cut surface.

Case No. 2 - January 2016 B

Accession #29160

Tissue: Left breast

Clinical Abstract:

A rapidly enlarging left breast mass brought this 83 year old woman to medical attention. A mammogram showed abnormal calcifications, suspicious for malignancy.

Gross Pathology:

The lumpectomy specimen was 8 x 4.5 x 3 cm and contained a 3.5 x 3 x 3 cm firm white-tan mass with infiltrative borders.

Special Studies:

Positive: Smooth muscle actin, S100

Negative: Cytokeratin

Case No. 3 - January 2016 B

Accession #29390

Tissue: **Left breast**

Clinical Abstract:

This 76 year old woman presented with a large left breast mass.

Gross Pathology:

The 726 gram mastectomy specimen showed puckering of the skin over a 20 x 10 x 6.5 cm tan-pink tumor.

Case No. 4 - January 2016 B

Accession #31174

Tissue from: **Left breast**

Clinical Abstract:

A 10 year old girl was found to have a large left breast mass.

Gross Pathology:

The 338 gram resection specimen contained an 8.5 x 7.5 x 5 cm mass with a central cystic cavity surrounded by solid yellow tissue containing multiple smaller cysts up to 1.7 cm in greatest diameter.

Case No. 5 - January 2016 B

Accession #28298

Tissue: Left breast

Clinical Abstract:

Twelve weeks into her pregnancy, this 26 year old woman presented with an enlarging left breast mass.

Gross Pathology:

The excision specimen contained a 3 cm rubbery pink-white mass with infiltrating borders tethered to the overlying skin.

Case No. 6 - January 2016 B

Accession #15947

Tissue: Right breast

Clinical Abstract:

This 47 year old woman noted a small lump in lateral border of her right breast which she reported appeared suddenly. The nodule was moveable and non-tender. There was no nipple discharge. One year earlier a breast examination had been within normal limits.

Gross Pathology:

The 2.5 cm tumor was firm yellow-white and sharply delineated from the surrounding adipose tissue.

Case No. 7 - January 2016 B

Accession #31001

Tissue: Left breast

Clinical Abstract:

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

Gross Pathology:

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

Special Studies:

Positive: ER, PR

Negative: Vimentin, SMMHC, laminin

Case No. 8 - January 2016 B

Accession #32244

Tissue: Bilateral breasts

Clinical Abstract:

A 15 year old boy complained of bilateral breast enlargement.

Gross Pathology:

The right breast excision specimen was 31 grams, 7 x 6.5 x 3 cm. The left breast excision specimen was 28 grams, 5 x 5 x 3 cm. Both consisted of lobulated yellow fibroadipose tissue.

Case No. 9 - January 2016 B

Accession #27049

Tissue: Left breast

Clinical Abstract:

This 70 year old woman presented with a 2-month history of a mass in the lateral aspect of her left breast. The mass was sore and tender.

Gross Pathology:

The 4.5 cm lumpectomy specimen contained a 1.8 cm diameter firm gray-white area.

Case No. 10 - January 2016 B

Accession #25761

Tissue: Left breast

Clinical Abstract:

This 84 year old woman presented with nausea and back pain. During work-up, a left breast mass was noted. Upon questioning, the patient reported that the mass had been enlarging over the past 4 years.

Gross Pathology:

Within the resected left breast was a well-circumscribed 13 x 11 x 8 cm lobulated mass.