

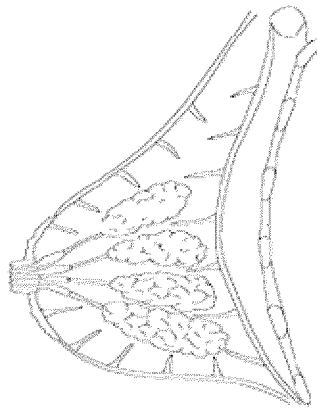


**CALIFORNIA
TUMOR TISSUE REGISTRY**

“BREAST PATHOLOGY”

Study Cases, Subscription A

October 2013



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: Peter L. Morris, M.D.
Santa Barbara, CA**

Case No. 1 - October 2013 A

Tissue from: Left breast

Accession #27847

Clinical Abstract:

This 28 year-old woman developed a prominent breast mass at age 20 with her first pregnancy. Following a first trimester abortion, the mass did not decrease in size. An attempt at cyst aspiration showed the mass to be solid. No biopsies were performed. The patient followed the mass herself over the intervening years. It did not increase in size during her second pregnancy. About six weeks after an uncomplicated term delivery, the mass became enlarged and painful. She was able to breastfeed successfully from both breasts. She had never used oral contraceptives. Family history included post-menopausal breast cancer in her maternal grandmother.

Gross Pathology:

A 120 gram, 11 x 9.7 x 6 cm mass contained multiple nodules which on sectioning showed cysts up to 7 cm in greatest diameter.

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

Case No. 2 - October 2013 A

Tissue from: Right breast

Accession #31576

Clinical Abstract:

This 33 year-old woman had a right chest wall mass at a site of previous surgery.

Gross Pathology:

The 326 gram, 14 x 11 x 8 cm composite resection included skin, muscle and portions of two ribs. Within the resected chest wall, beneath skin showing two linear scars, was a 7.5 x 5.5 x 4 cm white, irregular infiltrative solid mass involving subjacent skeletal muscle.

Special studies:

Negative: Cytokeratin cocktail, S100, desmin, muscle-specific actin

**Contributor: Nelson Quigley, M.D.
Anaheim, CA**

Case No. 3 - October 2013 A

Tissue from: Bilateral breasts

Accession #27913

Clinical Abstract:

This 21 year-old woman presented with bilateral breast masses.

Gross Pathology:

The right breast mass was 3 x 2.7 x 1.5 cm, soft and tan. The left breast mass was 4.5 x 3.2 x 2.5 cm, tan and slightly firm.

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

Case No. 4 - October 2013 A

Tissue from: Left breast

Accession #26235

Clinical Abstract:

For about a year, this 28 year-old woman had noted a lump in her left breast on self-examination. It became painful at the onset of each menses. She discontinued her birth control pills about 8 months prior to surgery. Physical examination showed an ill-defined, freely moveable mass which was excised.

Gross Pathology:

The 5 x 2.8 x 2 cm excision specimen was rubbery, firm and gray-white.

Contributor: Atilia Martinez, M.D.
Costa Mesa, CA

Case No. 5 - October 2013 A

Tissue from: Right breast

Accession #26833

Clinical Abstract:

During her seventh month of pregnancy, this 26 year-old woman noted an enlarging moveable lump in her right breast.

Gross Pathology:

The 6 cm diameter resection specimen showed a rubbery tan lobate cut surface divided by fine fibrous septa.

Contributor: Spencer B. Gilbert, M.D.
Placentia, CA

Case No. 6 - October 2013 A

Tissue from: Left breast

Accession #26092

Clinical Abstract:

This 28 year-old woman was found to have a breast mass on routine examination. The overlying skin and the axilla were unremarkable.

Gross Pathology:

The 11 x 8.5 x 3 cm soft circumscribed mass was covered by a thin translucent capsule.

**Contributor: Wallace Carroll, M.D.
Santa Barbara, CA**

Case No. 7 - October 2013 A

Tissue from: Left breast

Accession #26041

Clinical Abstract:

A 63 year-old woman had a mass occupying about 50% of the area of her left breast. She had had breast implants 15 years previously.

Gross Pathology:

The encapsulated excision specimen was 12.5 x 9.7 x 2.8 cm and was composed of lobulated soft tissue with cystic channels and papillary frond-like structures.

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

Case No. 8 - October 2013 A

Tissue from: Right breast

Accession #30163

Clinical Abstract:

A 72 year-old woman presented with a mass in her right breast.

Gross Pathology:

The poorly circumscribed gray-tan resected mass was 3 x 3 x 2.5 cm.

**Contributor: Usha Garg, M.D.
Oxnard, CA**

Case No. 9 - October 2013 A

Tissue from: Left breast

Accession #27928

Clinical Abstract:

This 69 year-old woman presented with a palpable mass in her left breast.

Gross Pathology:

Within the lumpectomy specimen was a 3 cm diameter well-delineated gray-white glistening tumor.

Special studies:

Positive: Keratin cocktail, CAM 5.2, Vimentin

Negative: S100, but showing a background network of supporting cells

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

Case No. 10 - October 2013 A

Tissue from: Left femur

Accession #31643

Clinical Abstract:

This 60 year-old woman with a previous history of a breast tumor present with a left femoral bony lesion.

Gross Pathology:

The 8.5 x 5 x 2.5 cm aggregate of pink-tan tissue fragments weighed 46 grams.