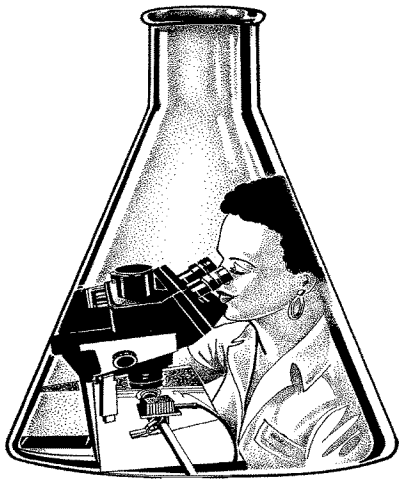
CALIFORNIA
TUMOR TISSUE REGISTRY

"GYNECOLOGIC PATHOLOGY"

Study Cases, Subscription B

November 2001



California Tumor Tissue Registry
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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: Robert H. Zuch, M.D. **Case No. 1 - November 2001**
Baldwin Park, CA

Tissue from: Vulva **Accession #29075**

Clinical Abstract:
A vulvar mass was reported to be present for two to three months by a 63-year-old female.

Gross Pathology:
The 4.0 x 4.0 x 1.0 cm slightly mucoid appearing nodule had several small cystic spaces.

SPECIAL STUDIES (Outside Facility):

Vimentin	diffuse positive
Desmin	diffuse positive
CD34	positive
CD31	blood vessels positive
Smooth muscle actin (MSA)	blood vessels positive
S100	negative
Keratin	negative

Contributor: Michael Nowacki, M.D. **Case No. 2 - November 2001**
San Diego, CA

Tissue from: Uterus **Accession #29142**

Clinical Abstract:
Because of postmenopausal bleeding, this 57-year-old Caucasian female underwent a hysterectomy.

Gross Pathology:
Within the uterine specimen, the endometrium and at least half of the myometrial thickness were replaced by a 15 cm diameter yellow necrotic tumor.

SPECIAL STUDIES (Outside Facility):

Smooth muscle actin	strong staining
Desmin	weak staining
Cytokeratin	negative
S-100	negative

Contributor: Xuedong Wang, M.D. **Case No. 3 - November 2001**
Pasadena, CA

Tissue from: Ovary **Accession #29103**

Clinical Abstract:

This 41-year-old female was found to have a pelvic mass. She underwent a hysterectomy with salpingo-oophorectomy.

Gross Pathology:

The 748 gram, generally encapsulated soft tissue mass measured 14 x 13.5 x 10 cm. The cut surface had multiple cysts up to 2.5 cm in diameter, some with papillations, but was predominantly solid, pale yellow-tan with focal hemorrhage.

SPECIAL STUDIES (Outside Facility):

Cytokeratin (AE1/3) positive in glandular elements

Contributor: Farooq Ali, M.D. **Case No. 4 - November 2001**
Ventura, CA

Tissue from: Left ovary **Accession #29190**

Clinical Abstract:

At the time of colon resection due to volvulus, this 57-year-old Caucasian female was found to have a mass replacing the left ovary. The mass was not adherent to adjacent structures. The patient reported a remote history of 'fibroids in the uterus' but at the time of surgery there were no other lesions noted in uterus or right ovary.

Gross Pathology:

The 5.0 x 4.5 x 4.0 cm ovarian mass had a smooth external surface with a solid, rubbery, pink-white, micronodular cut surface.

Contributor: C.A. Spears, M.D. **Case No. 5 - November 2001**
Murphysboro, IL

Tissue from: Left ovary **Accession #29181**

Clinical Abstract:

During a procedure to repair a uterine prolapse, this 56-year-old female was found to have an ovarian mass.

Gross Pathology:

The rubbery ovarian mass measured 2.5 x 2.0 x 0.5 cm and replaced the entire ovary.

Contributor: Mark J. DeMeo, M.D. **Case No. 6 - November 2001**
Santa Rosa, CA

Tissue from: Ovary **Accession #29134**

Clinical Abstract:

Because she felt "a lump in her stomach", this 72-year-old female sought medical attention. CT scan revealed a multi-cystic mass in the pelvis. She had had a mastectomy for breast cancer 28 years earlier.

Gross Pathology:

The 210 gram ovary, with fallopian tube attached, contained a 10.0 x 9.0 x 9.0 cm gray-tan mass. The cut surface showed both solid and cystic regions with apparent papillary areas.

Contributor: Sheldon A. Miller, M.D. **Case No. 7 - November 2001**
Oxnard, CA

Tissue from: Left ovary **Accession #29120**

Clinical Abstract:
Complaining of pressure on the bladder and pelvic pain, this 69-year-old female sought medical attention. Ultrasound showed a mass, interpreted as either a fibroid or an ovarian cyst.

Gross Pathology:
The 340 gram left ovary was largely replaced by a 12.5 x 10.0 x 7.0 cm multilobulated firm mass. The cut surface was gray-tan and white with a whorled appearance.

Contributor: LLUMC Pathology Group (dc) **Case No. 8 - November 2001**
Loma Linda, CA

Tissue from: Right ovary **Accession #29049**

Clinical Abstract:
During work-up for infertility, this 31-year-old female was found to have an ovarian mass.

Gross Pathology:
The 39 gram, 6.5 x 4.2 x 5.0 cm ovarian mass had a firm yellow-tan cut surface with a central necrotic cyst.

SPECIAL STUDIES:
Oil Red O rare positivity

Contributor: K. Greg Peterson, M.D. **Case No. 9 - November 2001**
Sioux Falls, SD

Tissue from: Left ovary **Accession #29041**

Clinical Abstract:
This 77-year-old female presented with pelvic pain and an ovarian mass was resected.

Gross Pathology:
The 205 gram irregular tan-gray ovarian mass was 9.0 x 8.0 x 5.5 cm. The cut surface was uniform yellow-pink and focally softened.

SPECIAL STUDIES (Outside Facility):

Vimentin	positive
Pankeratin	negative
S100	negative
EMA	negative

Contributor: John McGill, M.D. **Case No. 10 - November 2001**
Pasadena, CA

Tissue from: Ovary **Accession #29158**

Clinical Abstract:
This 32-year-old female was found to have a large pelvic mass.

Gross Pathology:
The left ovary was replaced by an 11.5 x 6.5 x 2.5 cm cystic mass, with papillations extending to the ovarian surface. The right ovary was replaced by a 6 x 5.5 x 2.5 cm cystic mass. Additionally, a 7.0 x 5.5 x 2.5 cm cystic mass was present in the left pericolic gutter.