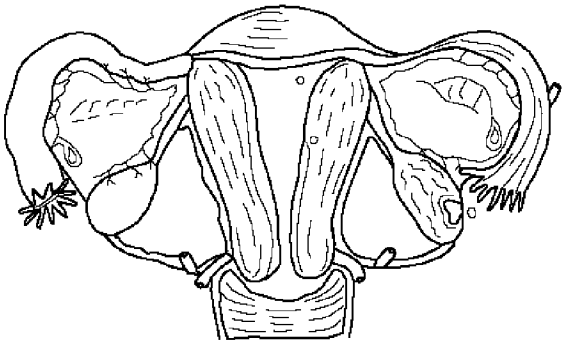
CALIFORNIA
TUMOR TISSUE REGISTRY

"GYNECOLOGICAL PATHOLOGY"

Study Cases, Subscription A

September 2007



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
(909) 558-4788
FAX: (909) 558-0188
E-mail: cttr@linkline.com
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 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: Marc E. Keen, M.D. **Case No. 1 - September 2007 A**
Ludington, MI

Tissue from: Ovaries, bilateral **Accession #30487**

Clinical Abstract:

A 23 year old woman had hirsutism, acne and a body mass index of 51.7 (height 5'7"; weight 330 lb). The woman died and an autopsy was performed.

Gross Pathology:

The ovaries were symmetrical, ovoid, smooth, firm and tan. Together they weighed 55 grams. Their cut surfaces showed numerous 3-5 mm cysts. Corpora lutea and corpora albicantia were not identified.

Contributor: Claude Burdick, M.D. **Case No. 2 - September 2007 A**
Hayward, CA

Tissue from: Left ovary **Accession #30339**

Clinical Abstract:

After four years of watching a relatively stable abdominal mass, this 58 year old woman underwent a right oophorectomy.

Gross Pathology:

The 259 gram, 10 x 7 x 6.5 cm ovary was largely replaced by a mottled, yellow-red mass with an edematous cut surface.

Contributor: LLUMC Pathology Group (pjw) **Case No. 3 - September 2007 A**
Loma Linda, CA

Tissue from: Left ovary **Accession #30571**

Clinical Abstract:

A 77 year old woman presented with an incarcerated umbilical hernia. An abdominal mass replaced the left ovary.

Gross Pathology:

A 1700 gram, 21.0 x 12.0 x 8.0 cm multinodular mass completely replaced ovarian tissue. The external surface was smooth. The cut surface showed multiple cysts of varying sizes in a solid parenchyma of firm white-tan tissue.

Contributor: Catherine Odell, M.D. **Case No. 4 - September 2007 A**
Riverside, CA

Tissue from: Right ovary **Accession #30296**

Clinical Abstract:

A 45 year old woman was found to have a right ovarian mass.

Gross Pathology:

The 320 gram, 8 x 6 x 6 cm ovary was about half cystic and half solid. The dominant unilocular cyst was 7 x 3 x 3 cm with a peripheral honeycomb region of smaller cysts. The 5 x 4 x 4 cm solid portion of the specimen was lobular, firm and yellow-tan with focal dense calcification.

Special Studies:

Focally Positive: CAM5.2, CD56, Chromogranin, Synaptophysin, Thyroglobulin, TTF-1

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

Case No. 5 - September 2007 A

Tissue from: **Uterus**

Accession #30504

Clinical Abstract:

A 66 year old woman underwent radical hysterectomy.

Gross Pathology:

The 384 gram, 9.0 x 8.0 x 6.0 cm uterus contained a gray-tan friable tumor filling the endometrial and endocervical canal.

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

Case No. 6 - September 2007 A

Tissue from: **Right ovary**

Accession #30333

Clinical Abstract:

A 55 year old woman was found to have a right ovarian mass.

Gross Pathology:

A 412 gram, 12 x 10 x 5 cm ovary had multiple cysts with micropapillary linings.

Contributor: Douglas K. Hanks, M.D. **Case No. 7 - September 2007 A**
San Francisco, CA

Tissue from: Left ovary **Accession #30480**

Clinical Abstract:
A 47 year old woman presented with a left adnexal mass.

Gross Pathology:
The left ovary had a 4 cm diameter solid mass, contained within the ovarian capsule.

Special Studies:
Positive: ER, CK7, CA-125, WT1, Vimentin (focal)
Negative: Calretinin, S100, CK20, Inhibin

Contributor: Robert E. James, M.D. **Case No. 8 - September 2007 A**
Ventura, CA

Tissue from: Uterus **Accession #30465**

Clinical Abstract:
A 49 year old woman complained of menorrhagia and underwent hysterectomy for a uterine myoma.

Gross Pathology:
The uterus, without cervix, weighed 937 grams. Within the myometrium was a 9.5 cm fleshy mass that compressed the uterine cavity.

Special Studies:
Positive: CD10
Negative: Desmin

Contributor: John Sacoolidge, M.D. **Case No. 9 - September 2007 A**
Sylmar, CA

Tissue from: Uterus **Accession #30280**

Clinical Abstract:

A 43 year old woman complained of irregular vaginal bleeding for four months. She underwent hysterectomy and bilateral salpingoophorectomy.

Gross Pathology:

The resection specimen weighed 645 grams. The uterus was 11.7 x 11.7 x 10 cm and had a smooth serosal surface. Within the uterine cavity was a 4.2 x 2 x 1.3 cm polypoid mass that connected with a 7.5 cm diameter intramural nodule. The mass was mottled red and yellow with areas of apparent necrosis.

Contributor: LLUMC Pathology Group (kt) **Case No. 10 - September 2007 A**
Loma Linda, CA

Tissue from: Left ovary **Accession #30566**

Clinical Abstract:

An 89 year old woman presented with a pelvic mass.

Gross Pathology:

The 1200 gram, 16.0 x 15.0 x 7.0 cm left ovary was irregular and lobulated with several yellow-tan nodules on the external surface. The cut surface had multiple cystic spaces up to 8.5 cm in diameter, filled with yellow-tan debris. The contralateral ovary was unremarkable.