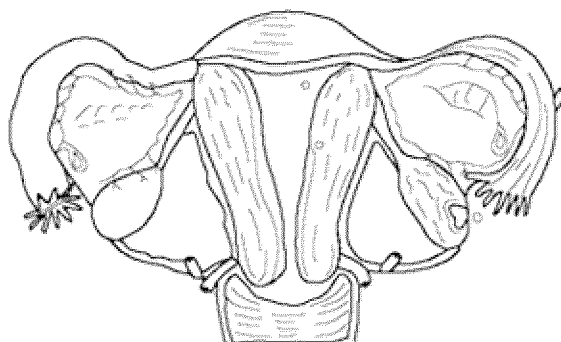


CALIFORNIA  
TUMOR TISSUE REGISTRY

## **“GYNECOLOGIC PATHOLOGY”**

**Study Cases, Subscription A**

**February 2016**



**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](http://www.cttr.org)**  
**Web site & Case of the Month: [www.cttr.org](http://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 - February 2016 A**

**Accession #32042**

**Tissue from: Uterus**

**Clinical Abstract:**

A 44 year-old woman underwent a hysterectomy and salpingo-oophorectomy for a right pelvic mass.

**Gross Pathology:**

The uterus measures 8 cm from cervix to fundus, 6 cm from cornu to cornu and 4.5 cm from anterior to posterior. The serosal surface is generally smooth and glistening. The ectocervix is unremarkable. The posterior peritoneal reflection is also unremarkable. The endocervix is smooth and velvety. The endometrial cavity is triangular in shape, gray and velvety. The surfaces of the myometrium reveal vascular mottled smooth muscle with prominent vasculature. The endometrium is up to 2 mm thick.

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**Case No. 2 - February 2016 A**

**Accession #32094**

**Tissue from: Right ovary**

**Clinical Abstract:**

This 47 year-old woman had a pelvic mass.

**Gross Pathology:**

The 13 x 12 x 7 cm cystic mass contained 270 grams of fluid. The cyst was multiloculated with a wall varying from 0.5 to 1 cm thick. Lining the cyst were scattered nodules up to 0.5 cm in diameter.

**Case No. 3 - February 2016 A**

**Accession #31750**

**Tissue from: Ovaries, bilateral**

**Clinical Abstract:**

This 50 year-old woman was found to have bilateral adnexal masses.

**Gross Pathology:**

The right ovary was 4 x 3 x 3 cm with a firm yellow-white cut surface. The left ovary was 5 x 2.5 x 2 cm with a patchy white and yellow cut surface.

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**Case No. 4 - February 2016 A**

**Accession #31920**

**Tissue from: Left ovary**

**Clinical Abstract:**

A 52 year-old woman was found to have an ovarian mass.

**Gross Pathology:**

The 38 gram ovary was 3.4 x 3 x 3 cm with a contiguous 7 x 3 cm smooth walled cyst. No grossly apparent excrescences were seen. The solid portion of the ovary had a whorled tan cut surface.

**Special Studies:**

Smooth muscle actin: Positive

**Case No. 5 - February 2016 A**

**Accession #32142**

**Tissue from: Left ovary**

**Clinical Abstract:**

A 64 year-old woman had a left adnexal mass.

**Gross Pathology:**

The 1290 gram ovary was 15 x 13.5 x 10.5 cm and was essentially replaced by a multiloculated cyst containing clear mucinous fluid.

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**Case No. 6 - February 2016 A**

**Accession #31870**

**Tissue from: Left ovary**

**Clinical Abstract:**

This 16 year-old girl was found to have a left ovarian cystic mass.

**Gross Pathology:**

The 940 gram ovary was 25 x 15 x 13 cm with a 12 x 13 cm cyst containing clear fluid.

**Case No. 7 - February 2016 A**

**Accession #31842**

**Tissue from: Bilateral ovaries**

**Clinical Abstract:**

A 48 year-old woman was found to have bilateral complex adnexal masses.

**Gross Pathology:**

The right ovary was 1.6 kilograms and 19 x 15 x 12 cm, containing one dominant 15 cm cyst and multiple smaller cysts. A 6 x 4 x 4.5 cm solid component had tan spongy parenchyma and fibrous bands. The left ovary was 350 grams, 10 x 8 x 7 cm with a smooth wall cyst having a solid papillary excrescence 2 cm in greatest diameter.

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**Case No. 8 - February 2016 A**

**Accession #31850**

**Tissue from: Right ovary**

**Clinical Abstract:**

This 73 year-old woman presented with abdominal pain and was found to have a right adnexal mass.

**Gross Pathology:**

The 1480 gram ovary was 18.5 x 13.5 x 11 cm and had a multinodular surface. The cut surface had multiple smooth walled cysts and firm yellow nodules.

**Special Studies:**

Pan-cytokeratin, CK7:	Positive
Calretinin, Inhibin:	Negative

**Case No. 9 - February 2016 A**

**Accession #32126**

**Tissue from: Vagina**

**Clinical Abstract:**

A 61 year-old woman had post-menopausal vaginal bleeding.

**Gross Pathology:**

The 25 gram aggregate of pink-tan to tan-brown tissue fragments showed extensive necrosis.

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**Case No. 10 - February 2016 A**

**Accession #32034**

**Tissue from: Uterus**

**Clinical Abstract:**

This 67 year-old woman had post-menopausal bleeding.

**Gross Pathology:**

The 324 gram hysterectomy with salpingo-oophorectomy specimen included a portion of upper vagina. Within the endometrial cavity was a 10 x 5 x 5 cm mass that protruded from the cervical os. The cut surface was heterogeneous white and tan. The tumor invaded into the underlying myometrium about two-thirds of the myometrial thickness.

**Special Studies:**

Pan-cytokeratin, CK7:	Patchy positivity
CK20:	Negative
CD10:	Negative in tumor cells; Stromal cells positive
Vimentin:	Positive
CD117:	Negative
Desmin:	Negative in tumor cells
SMA:	Negative in tumor cells
ER, Bcl-2:	Focally positive