

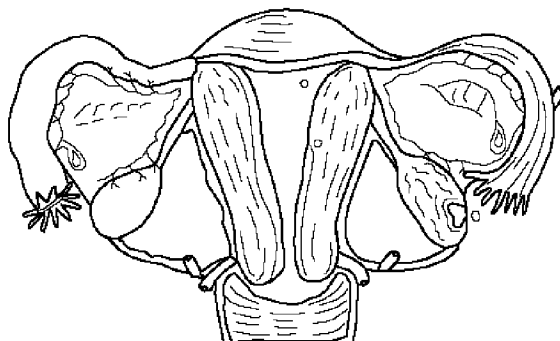


CALIFORNIA  
TUMOR TISSUE REGISTRY

## **“GYNECOLOGIC PATHOLOGY”**

**Study Cases, Subscription A**

**November 2013**



**California Tumor Tissue Registry**  
c/o: Department of Pathology and Human Anatomy  
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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 up to 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 - November 2013 A**

**Accession #26007**

**Tissue from: Uterus**

**Clinical Abstract:**

This 49 year-old woman presented with irregular heavy menstrual bleeding, hot flashes, night sweats and severe menstrual cramps.

**Gross Pathology:**

The uterus with attached adnexae weighed 210 grams. In a posterolateral subserosal position was a 7.5 x 6.5 x 5.5 cm well circumscribed, pale pink, whorled nodule. Multiple other nodules were seen throughout the myometrium.

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**Case No. 2 - November 2013 A**

**Accession #31499**

**Tissue from: Right ovary**

**Clinical Abstract:**

A 28 year-old woman was found to have an ovarian mass.

**Gross Pathology:**

The ovarian mass was 7 cm in greatest diameter.

**Case No. 3 - November 2013 A**

**Accession #29307**

**Tissue from: Left ovary**

**Clinical Abstract:**

A routine ultrasound performed on this 31 year-old woman during her third uncomplicated pregnancy showed a complex left ovarian mass.

**Gross Pathology:**

The 5.8 x 5.4 x 4.0 cm cystic ovary exuded a thick yellow fluid on sectioning. The internal aspect of the cyst had papillary excrescences occupying about 70% of the surface.

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**Case No. 4 - November 2013 A**

**Accession #31030**

**Tissue from: Uterus**

**Clinical Abstract:**

This 43 year-old woman had a five-year history of uterine mass treated with chemotherapy. A total hysterectomy was performed

**Gross Pathology:**

The 920 gram uterus was 19 x 18 x 8 cm with 5 x 4 x 4 cm distorted cervix. The lower uterine segment and cervix was filled with numerous firm poorly circumscribed nodules, infiltrating into the surrounding myometrium in a trabecular or worm-like fashion.

Special Studies:

Positive: CD10

Negative: Desmin

**Case No. 5 - November 2013 A**

**Accession #30683**

**Tissue from: Ovary**

**Clinical Abstract:**

After 2 months of increasing abdominal distension and pressure, this 47 year-old woman presented for evaluation. She reported a 28-pound unintentional weight loss.

**Gross Pathology:**

The 2770 gm uterus with attached adnexae included a 29 x 17 x 13.5 cm left ovarian mass completely replacing the ovary. The solid and partially cystic mass showed nodules up to 19 cm in greatest diameter.

Special Studies:

Positive: Keratin, mucin, PAS

Negative: Alpha-fetoprotein, HCG, PLAP

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**Case No. 6 - November 2013 A**

**Accession #30930**

**Tissue from: Right ovary**

**Clinical Abstract:**

This 14 year-old girl was found to have a pelvic mass.

**Gross Pathology:**

The 2600 gram, 24 x 18 x 12 cm ovary was replaced by a gray-tan firm mass with focal hemorrhage.

Special Studies:

Positive: Placental alkaline phosphatase, CD117

Negative: Cytokeratin cocktail, alpha fetoprotein

**Case No. 7 - November 2013 A**

**Accession #30277**

**Tissue from: Right ovary**

**Clinical Abstract:**

This 10 year-old girl was found to have abdominal distension and a heterogeneous abdominal mass.

**Gross Pathology:**

The 2350 gram right ovary was 30 x 19 x 17 cm.

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**Case No. 8 - November 2013 A**

**Accession #30658**

**Tissue from: Right ovary**

**Clinical Abstract:**

A 4 year-old girl was found to have precocious puberty and a right-sided abdominopelvic mass.

**Gross Pathology:**

The 645 gram right ovary was 13 x 10 x 6.5 cm. The cut surface showed yellow tan hemorrhagic tumor with cystic spaces up to 4 cm in greatest diameter.

Special Studies:

CAM 5.2 showed limited focal cytoplasmic staining, generally punctate.

**Case No. 9 - November 2013 A**

**Accession #29041**

**Tissue from: Left ovary**

**Clinical Abstract:**

This 77 year-old woman presented with pelvic pain and a left ovarian mass was discovered.

**Gross Pathology:**

The 205 gm, irregular tan-gray ovary was 9 x 8 x 5.5 cm. The cut surface was yellow-pink and focally softened.

Special Studies:

Positive: Vimentin

Negative: Cytokeratin cocktail, S100, EMA

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**Case No. 10 - November 2013 A**

**Accession #29805**

**Tissue from: Uterus**

**Clinical Abstract:**

A 65 year-old, gravid 5, para 5 woman presented with vaginal bleeding for two months. She had been treated with tamoxifen for five years after being diagnosed with breast cancer.

**Gross Pathology:**

The 895 gram, 15 x 15 x 9.5 cm uterus was markedly distorted by a 15 x 12 x 9 cm tan, lobular variegated soft to firm mass which protruded into the uterine cavity and focally invaded the myometrium.