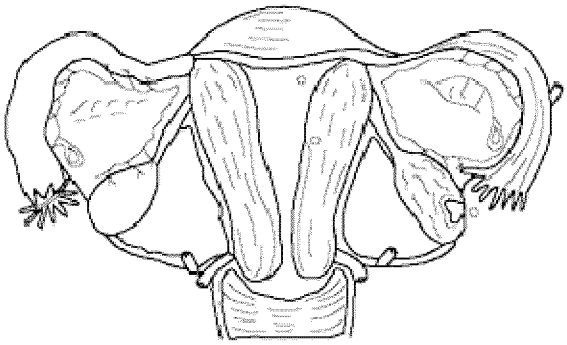
CALIFORNIA
TUMOR TISSUE REGISTRY

"GYNECOLOGIC PATHOLOGY"

Study Cases, Subscription B

November 2015



California Tumor Tissue Registry
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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.

Goals:
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.
Review of microscopic findings, diagnostic criteria and differential diagnoses.
Listing of selected references from the medical literature.

Principal faculty:
Donald R. Chase, MD

CME/SAM Credits:
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 - November 2015 B **Accession #31800**

Tissue from: Bilateral ovaries

Clinical Abstract:
This 45 year old woman was found to have a complex pelvic mass.

Gross Pathology:
The 17 gram left ovary was 5 x 4 x 3 cm. Within the cystic ovary was a collection of yellow greasy material mixed with multiple hairs. The 23 gram right ovary was 7 x 5 x 3 cm with a central cyst showing gelatinous nodules on its inner surface.

Case No. 2 - November 2015 B **Accession #31867**

Tissue from: Right ovary

Clinical Abstract:
During work-up for symptomatic cholelithiasis, this 51 year old woman was found to have a right pelvic mass.

Gross Pathology:
The 460 gram right ovary was 10 x 9 x 9 cm. The cut surface was yellow with white strands.

Case No. 3 - November 2015 B **Accession #31840**

Tissue from: Left ovary

Clinical Abstract:
A 74 year old woman was found to have a left adnexal mass.

Gross Pathology:
The 6 kilogram ovary was 23 x 20 x 16 cm with a dominant cyst and multiple smaller cysts. The dominant cyst had a smooth wall with focal thickening.

Case No. 4 - November 2015 B **Accession #31837**

Tissue from: Left ovary

Clinical Abstract:
After complaining of abdominal pain, this 30 year old woman was found to have bilateral pelvic masses.

Gross Pathology:
The 37 gram left ovary was 6 x 5 x 4 cm and consisted of a mulitloculated cystic mass with smooth inner and outer surfaces.

Case No. 5 - November 2015 B **Accession #31849**

Tissue from: Left ovary

Clinical Abstract:
During work-up for prolapsed uterus and rectal hernia, this 37 year old woman was found to have bilateral complex ovarian masses.

Gross Pathology:
The 1,240 gram left ovary was 17 x 14 x 13 cm. The outer surface was smooth but bulged with multiple cysts up to 3 cm in diameter. The cut surface showed replacement by a yellow and white multinodular mass.

Case No. 6 - November 2015 B **Accession #31911**

Tissue from: Left ovary

Clinical Abstract:
This 89 year old woman with a history of breast cancer was found to have a left ovarian mass.

Gross Pathology:
The 550 gram ovary was 20 x 10 x 10 cm and had a smooth external surface. The cut surface showed a spongy nodular mass replacing most of the ovary.

Case No. 7 - November 2015 B **Accession #31545**

Tissue from: Uterus

Clinical Abstract:
This 66 year old woman had a history of diabetes and hypertension. Following an endometrial biopsy, she underwent hysterectomy.

Gross Pathology:
The 153 gram uterus was 6.5 x 6.5 x 5 cm. The uterine cavity was filled by a 5 x 4 x 3 cm white mass that invaded through the myometrium, producing a puckering in the overlying serosa. This tumor also extended into the endocervical canal and involved the proximal portion of the right fallopian tube.

Case No. 8 - November 2015 B **Accession #31846**

Tissue from: Uterus

Clinical Abstract:
After complaining of abdominal pain, this 46 year old woman was found to have an enlarged uterus.

Gross Pathology:
The uterus with bilateral tubes and ovaries was 1,525 grams. The 20 x 17 x 15 cm uterus had multiple foci of tan-pink tumor ranging from 8 to 11 cm in greatest diameter, distorting the myometrium and disrupting the serosal surface.

Special Studies:

CD10:	Positive
Smooth muscle actin:	Focal weak positivity
Smooth muscle myosin:	Negative
CD117:	Negative

Case No. 9 - November 2015 B **Accession #31468**

Tissue from: Uterus

Clinical Abstract:
This 69 year old woman was found to have an abdominal mass.

Gross Pathology:
The 366 gram fibroid uterus included an 8.5 cm polypoid mass.

Case No. 10 - November 2015 B **Accession #31876**

Tissue from: Left adnexa

Clinical Abstract:
A 60 year old woman had left hydronephrosis and multiple pulmonary nodules. She was found to have a left adnexal mass.

Gross Pathology:
The resected mass appeared to arise adjacent to the lower uterine segment, involving the left adnexa and was adherent to the colon.

Special Studies:

Positive:	Desmin, SMA, caldesmon
Negative:	Myogenin, pancytokeratin, CAM 5.2