

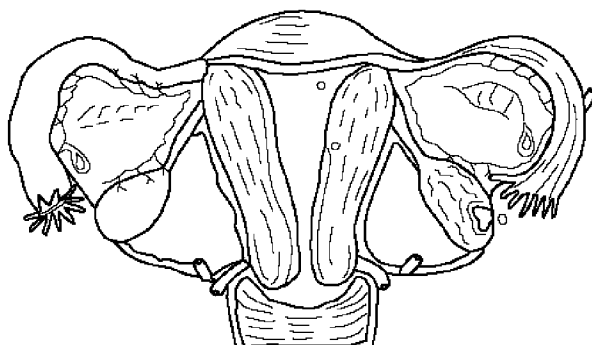


CALIFORNIA
TUMOR TISSUE REGISTRY

“GYNECOLOGIC PATHOLOGY”

Study Cases, Subscription A

January, 2004



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
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Loma Linda, California 92350
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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 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.
Baldwin Park, CA

Case No. 1 - January 2004

Tissue from: Ovary

Accession #29593

Clinical Abstract:

After having undergone several endometrial curettage procedures, which showed simple & complex hyperplasia without atypia, this 39-year-old, moderately obese female was found to have a left adnexal mass.

Gross Pathology:

The irregularly shaped gray-tan ovary measured 10.0 x 8.0 x 2.0 cm and weighed 195 grams.

SPECIAL STUDIES (Outside facility):

Vimentin	positive
Inhibin	negative
EMA	negative
Cytokeratin 7	negative

Contributor: Susan Murakami, M.D.
Pasadena, CA

Case No. 2 - January 2004

Tissue from: Ovary

Accession #29629

Clinical Abstract:

This 51-year-old female developed ascites and was found to have pseudomyxoma peritonei. The involved omentum, spleen, appendix, uterus and bilateral adnexae were removed.

Gross Pathology:

The 276 gram right ovary measured 10.0 x 8.7 x 5.5 cm and contained a multiloculated cystic mass filled with gelatinous mucus. The left ovary was 8.5 x 5 x 4.5 cm, also with a multiloculated cystic mass filled with tan gelatinous mucus. The resected appendix was 4 cm in diameter and filled with mucinous material.

SPECIAL STUDIES (Outside facility):

Keratin CK7	negative
Keratin CK20	strongly positive
Estrogen receptor	negative
Progesterone receptor	negative
Her2/neu	negative

Contributor: Kumari Wickramasinghe, M.D.
Lynwood, CA

Case No. 3 - January 2004

Tissue from: Left Ovary

Accession #29458

Clinical Abstract:

This 86-year-old female was found to have bilateral ovarian cysts on CT scan.

Gross Pathology:

The collapsed cystic left ovary measured 21.0 x 13.0 x 4.0 cm. The cyst wall was up to 2.0 cm. The cyst wall and solid areas of the ovary were yellow. The right ovary had a single 4 cm diameter cyst with a smooth translucent wall.

SPECIAL STUDIES:

PAS + diastase negative in vacuolated cells

Contributor: LLUMC Pathology Group (bl)
Loma Linda, CA

Case No. 4 - January 2004

Tissue from: Right Ovary

Accession #29674

Clinical Abstract:

For two months this 58-year-old female experienced abdominal discomfort with increasing abdominal girth. An ultrasound showed a 12 cm pelvic mass.

Gross Pathology:

This 2210 gram, 23.0 x 19.0 x 9.0 cm ovary was entirely replaced by a gray-tan glistening tumor. There were focal areas with hemorrhage.

SPECIAL STUDIES:

PAS + diastase positive in vacuolated cells

Contributor: Alexander K. Lyster, M.D.
Victoria, TX

Case No. 5 - January 2004

Tissue from: Vagina

Accession #29707

Clinical Abstract:

This 49-year-old woman presented with a vaginal mass.

Gross Pathology:

The 44 gram specimen consisted of a 6.0 x 5.0 x 4.0 cm, firm, rubbery, multinodular mass.

SPECIAL STUDIES:

Desmin positive

Contributor: Philip Robinson, M.D.
Boynton Beach, FL

Case No. 6 - January 2004

Tissue from: Cervix

Accession #29248

Clinical Abstract:

Following multiple cervical biopsies, this 35-year-old female had a hysterectomy with bilateral salpingoophorectomy.

Gross Pathology:

The resected uterus was 9.2 x 4.5 x 3.7 cm. A coarsely granular, tan tumor protruded from the cervical os. Sectioning showed a 6.6 x 2.5 x 0.8 cm circumferential tumor centered at the squamocolumnar junction and invading about one-quarter of the thickness of the cervix.

Contributor: Tom Bassler, M.D.
Inglewood, CA

Case No. 7 - January 2004

Tissue from: Uterus

Accession #27054

Clinical Abstract:

After a long history of uterine fibroids, this 33-year-old female had sought treatment for pelvic pressure. Ultrasound confirmed a 16-week size uterine fibroid.

Gross Pathology:

The fairly symmetrical uterus weighed 885 grams and measured 15.0 x 13.0 x 10.0 cm. There was a single intramural fibroid that measured 10.0 x 8.0 cm.

SPECIAL STUDIES:

Actin	positive
Desmin	positive

Contributor: Kenneth Frankel, M.D.
Covina, CA

Case No. 8 - January 2004

Tissue from: Uterus

Accession #23587

Clinical Abstract:

This 86-year-old female was found to have a pelvic mass. A hysterectomy and bilateral salpingo-oophorectomy was performed.

Gross Pathology:

The uterus weighed 370 grams and measured 17.0 x 11.5 x 8.5 cm. Within the uterine cavity were 500 cc of blood and debris. The endometrium contained multiple polypoid pale yellow friable nodules varying from 0.5 to 4.4 cm.

Contributor: Livia Ross, M.D.
Alameda, CA

Case No. 9 - January 2004

Tissue from: Uterus

Accession #14869

Clinical Abstract:

Twenty years after menopause, this 67-year-old female experienced two weeks of vaginal bleeding. A D&C was performed.

Gross Pathology:

The specimen consisted of 50-60 cc of soft tan tissue removed from the uterine cavity.

Contributor: Ellen Ko, M.D.
Birmingham, AL

Case No. 10 - January 2004

Tissue from: Small bowel/colon

Accession #29267

Clinical Abstract:

This 77-year-old female developed a large abdominal/pelvic mass.

Gross Pathology:

Within the anterior wall of the uterus were multiple, focally necrotic white-tan nodules. Segmental resections of small bowel and of colon each had bulky hemorrhagic tumors adherent to serosal surfaces, 13 and 15 cm in greatest diameter.

SPECIAL STUDIES:

Trypsin	positive
Chymotrypsin	positive
Smooth muscle actin	positive
Muscle specific actin	positive
S-100	negative
Cytokeratin	negative