CALIFORNIA TUMOR TISSUE REGISTRY

"GYNECOLOGIC PATHOLOGY"

Study Cases, Subscription A

May 2001

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@linkme.com
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.
Clinical Abstract:
During a workup for lower quadrant pain, this 39-year-old female was found to have an irregularly shaped uterus and a left ovarian mass.

Gross Pathology:
The left ovary was submitted in multiple fragments weighing together 58 grams. The largest portion was 5 cm in diameter and consisted of friable yellow-tan tissue.

SPECIAL STUDIES:
- Desmin: negative
- Actin: negative

Clinical Abstract:
This 48-year-old female presented with an ovarian mass and was found to have a mildly elevated CEA.

Gross Pathology:
The partially collapsed cystic ovary weighed 49 grams and measured 7.0 x 5.5 x 4.0 cm. The external surface was smooth. The cyst wall was 0.2-0.3 cm thick, and the inner lining had multiple mucoid gray-tan polypoid lesions which ranged from 0.3-4.0 cm.
Contributor: Howard Otto, M.D.  
Cheboygan, MI  
Case No. 3 - May 2001  

Tissue from: Right ovary  
Accession #28672  

Clinical Abstract:  
Because of right sided abdominal pain with bloating and some vaginal spotting, this 64-year-old female sought medical attention. Imaging studies revealed a large, lower abdominopelvic cystic mass.

Gross Pathology:  
The smooth, gray-surfaced unilocular ovarian cyst measured 26.0 x 24.0 x 13.0 cm. After removal of the fluid, the cyst weighed approximately 250 grams. The inner lining was smooth except for an 8 x 8 cm area of finely nodular tissue.

Contributor: Peter Morris, M.D.  
Santa Barbara, CA  
Case No. 4 - May 2001  

Tissue from: Left ovary  
Accession #28276  

Clinical Abstract:  
Complaining of six weeks of abdominal swelling and bloating, this 53-year-old gravida 0, Caucasian female came in for medical examination. Imaging studies showed an 18 cm ovarian mass.

Gross Pathology:  
The 892 gram, 19 x 17 x 6 cm smooth surfaced ovarian mass had both solid and cystic areas.
Contributor: James E. Orr, M.D.  
Oneonta, NY

Tissue from: Left ovary

Clinical Abstract:
On ultrasound, this 81-year-old, gravida 1, para 1 female was found to have a 10.0 cm mass.

Gross Pathology:
The 135 gram collapsed cystic ovary measured 7.5 x 5.5 x 5.0 cm. The external surface was hemorrhagic with fibrous adhesions. The internal cavity contained numerous fragments of soft, fleshy, pink-tan tissue, with areas of necrotic change.

Contributor: Gordon Hadley, M.D.  
Hangzhou, People’s Republic of China

Tissue from: Ovary

Clinical Abstract:
During routine physical examination, this 35-year-old female was found to have a right ovarian mass. Ultrasound confirmed a 7 x 5 x 4 cm mass.

Gross Pathology:
The 8.0 x 5.0 x 4.0 cm ovarian mass was solid gray with multiple small cysts.
Contributor: W. Leonard Taylor, M.D.  
Redlands, CA  

Clinical Abstract:  
During a postpartum checkup, an ultrasound study showed a left ovarian mass in this 26-year-old female. She was asymptomatic and no mass had been noted during her pregnancy or delivery.

Gross Pathology:  
The external surface of the mass was purple-gray, bosselated and intact. Cut surface exposed many cysts ranging up to 3.5 cm in diameter. The majority of the interior was soft light gray tissue with the consistency of brain.

Contributor: Harold Reikes, M.D.  
Riverside, CA  

Clinical Abstract:  
Complaining of pelvic pain, urinary incontinence and irregular menses, this 37-year-old gravida 5, para 4, ab 1 female underwent a hysterectomy.

Gross Pathology:  
The enlarged, asymmetrical uterus weighed 224 grams and measured 13.0 x 8.0 x 7.0 cm. The myometrium contained a 5.0 cm yellow-pink somewhat myxoid mass.
Case No. 9 - May 2001

Tissue from: Uterus

Clinical Abstract:
With a history of dysfunctional uterine bleeding, this 37-year-old female underwent myomectomy.

Gross Pathology:
The 20 gram firm, rubbery mass measured 4.5 x 4.0 x 4.0 cm and had a glistening gray-white cut surface.

Case No. 10 - May 2001

Tissue from: Uterus

Clinical Abstract:
This 70-year-old female presented with the inability to urinate for the past three days. Pelvic exam showed a prolapsed bladder and an enlarged uterus.

Gross Pathology:
The 590 gram uterus was 11.5 x 12.5 x 9 cm. The wall was almost completely replaced by a 9.2 cm diameter intramural tumor. The cut surface of the tumor was white-tan, slightly myxomatous and nodular.

SPECIAL STUDIES:
Desmin positive
GYNECOLOGIC PATHOLOGY

Minutes – Subscription A

May 2001

SUGGESTED READING (General Topics from Recent Literature):


California Tumor Tissue Registry
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Web site & Case of the Month: www.cttr.org
FILE DIAGNOSES  

CTTR Subscription A  May 2001

Case 1:  
Cellular Fibroma/Fibrothecoma, Ovary  
T-87000, M-88100

Case 2:  
Borderline Papillary Serous Tumor, Ovary  
T-87000, M-84600

Case 3:  
Papillary Serous Cystadenocarcinoma, Ovary  
T-87000, M-84413

Case 4:  
Clear Cell Carcinoma, Ovary  
T-87000, M-83103

Case 5:  
Malignant Mixed Mullerian Tumor (Carcinosarcoma with Heterologous Elements), Ovary  
T-87000, M-89503

Case 6:  
Malignant Germ Cell Tumor, Favor Dysgerminoma, Ovary  
T-87000, M-90603

Case 7:  
Immature Teratoma, Left Ovary  
T-87000, M-90803

Case 8:  
Endometrial Stromal Nodule, Uterus  
T-82000, M-03010

Case 9:  
Epithelioid Leiomyoma with Plexiform Features ("Plexiform Leiomyoma"), Uterus  
T-82000, M-88950

Case 10:  
Myxoid Leiomyosarcoma, Uterus  
T-82000, M-88903
Case No. 1, Accession No. 27990

Bakersfield - Cellular fibroma of low malignant potential
Baldwin Park (Kaiser) - Thecoma (4)
Bay Area - Sex cord stromal tumor, probably granulosa cell type (3)
Irvine (UCI Medical Center Residents) - Fibrothecoma
Long Beach (Lakewood Regional Medical Center) - Fibrothecoma (7)
Monterey (Community Hospital of Monterey Peninsula) - Fibrosarcoma
Mountain View (El Camino Pathology Group) - Fibrothecoma
Oakland (Kaiser) - Thecoma (4)
Riverside - Sclerosing stromal tumor
Sacramento (UC Davis Medical Center) - Fibrothecoma
San Diego (Naval Medical Center) - Fibrothecoma
Santa Rosa (Memorial Hospital) - Thecoma (3)
Ventura (Unilab) - Thecoma (2)
Florida (Munroe Regional Medical Center) - Endometrial stromal sarcoma, low grade
Florida (Winter Haven Hospital) - Stromal hyperplasia (1); Stromal sarcoma (1); Thecoma/fibroma (1)
Indiana (Fl. Wayne) - Cellular fibroma, left ovary (mitotically active)
Kansas (University of Kansas Medical Center) - Thecoma
Kentucky (University of Louisville Residents) - Granulosa cell tumor
Louisiana (Shreveport) - Thecoma, ovary
Maryland (Johns Hopkins Hospital Residents) - Granulosa cell tumor
Maryland (National Naval Medical Center) - Sarcoma arising in fibrothecoma (6); Endometrial stromal sarcoma (4)
Maryland (Woodbine) - Malignant Brenner tumor (2)
Maryland (University of Maryland Residents) - Thecoma, potentially malignant
Massachusetts (Berkshire Medical Center) - Thecoma, unknown malignant potential vs. luteinized thecoma with sclerosing
[illegible] vs. adult granulosa cell tumor
Massachusetts (New England Medical Center Residents) - Fibrothecoma
Michigan (Oakwood Hospital) - Granulosa cell tumor
Michigan (St. Joseph Mercy Hospital) - Fibrothecoma (4)
Mississippi (University of Mississippi Medical Center, Elderpath Group) - Lipoid cell tumor, NOS
Nebraska (Creighton University) - Malignant sex cord tumor
New Jersey (Overlook Hospital) - Ovarian fibroma (1); Endometrial stromal tumor, ? benign (3)
New York (Beth Israel Medical Center Residents) - Thecoma
New York (Long Island Jewish Medical Center) - Granulosa cell tumor
New York SUNY Stony Brook University Hospital Residents) - Cellular fibroma
North Carolina (WNC Pathology Group) - Thecoma (3)
Oklahoma (Tulsa) - Granulosa cell tumor
Washington (Madigan Army Medical Center) - Fibrothecoma
Australia (North Queensland Pathology Group) - ? sclerosing stromal cell tumour. ? Fibrothecoma
Australia (Royal Prince Alfred Hospital, Sydney) - Thecoma, NOS
Canada (Foothills Hospital, Calgary) - Thecoma, luteinized
Singapore - Granulosa cell tumour

Case 1 - Diagnosis:
Cellular Fibroma/Fibrothecoma, Ovary
T-87000, M-88100

Consultation: Para Chandrasoma, M.D., University of Southern California. “Cellular Fibroma with Mitotic Activity, Ovarian Stromal Neoplasm of Low Grade Malignancy.”

Case 1 - References:

CTTR, May 2001 "Minutes" (Subscription A)


**Case No. 2, Accession No. 28055**

**Bakersfield** - Serous cystadenocarcinoma of low malignant potential

**Baldwin Park (Kaiser)** - Serous borderline tumor (4)

**Bay Area** - Mucinous cystic tumor of borderline malignancy (3)

**Irvine (UCI Medical Center Residents)** - Papillary serous cystadenoma, borderline

**Long Beach (Lakewood Regional Medical Center)** - Mucinous papillary cystadenocarcinoma of low malignant potential (7)

**Monterey (Community Hospital of Monterey Peninsula)** - Papillary serous cystadenoma

**Mountain View (El Camino Pathology Group)** - Serous borderline tumor

**Oakland (Kaiser)** - Serous tumor of low malignant potential (4)

**Riverside** - Mucinous cystadenocarcinoma

**Sacramento (UC Davis Medical Center)** - Papillary serous tumor of low malignant potential

**San Diego (Naval Medical Center)** - Serous papillary tumor of low malignant potential

**Santa Rosa (Memorial Hospital)** - Papillary serous tumor of uncertain malignant potential (3)

**Ventura (Unilab)** - Papillary serous cystadenoma (2)

**Florida (Monroe Regional Medical Center)** - Borderline papillary serous tumor

**Florida (Winter Haven Hospital)** - Papillary serous cystadenoma of low grade malignant potential (1); Serous tumor of borderline malignant potential (1); Borderline serous cystadenoma (1)

**Indiana (St. Wayne)** - Mucinous borderline tumor (endocervical type), ovary (low grade malignant potential)

**Kansas (University of Kansas Medical Center)** - Borderline mucinous tumor

**Kentucky (University of Louisville Residents)** - Serous papillary tumor of low malignant potential (atypically proliferating)

**Louisiana (Shreveport)** - Borderline serous cystadenoma, ovary

**Maryland (Johns Hopkins Hospital Residents)** - Borderline serous tumor of ovary

**Maryland (National Naval Medical Center)** - Serous borderline tumor (10)

**Maryland (Woodbine)** - Papillary mucinous cystadenocarcinoma of borderline malignancy (2)

**Maryland (University of Maryland Residents)** - Borderline seromucinous tumor

**Massachusetts (Berkshire Medical Center)** - Serous papillary cystadenoma of unknown malignant potential

**Massachusetts (New England Medical Center Residents)** - Papillary borderline serous tumor of the ovary

**Michigan (Oakwood Hospital)** - Serous borderline tumor

**Michigan (St. Joseph Mercy Hospital)** - Serous low malignant potential tumor (4)

**Mississippi (University of Mississippi Medical Center, Eledpath Group)** - Papillary mucinous cystadenocarcinoma

**Nebraska (Creighton University)** - Papillary mucinous cystadenocarcinoma

**New Jersey (Overlook Hospital)** - Serous tumor, low malignant potential (4)

**New York (Beth Israel Medical Center Residents)** - Mucinous cystadenoma with borderline malignancy

**New York (Long Island Jewish Medical Center)** - Papillary serous tumor, borderline

**New York SUNY Stony Brook University Hospital Residents** - Serous neoplasm of low malignant potential, borderline

**North Carolina (WNC Pathology Group)** - Low malignant potential mucinous tumor (1); Serous tumor of low malignant potential (2)

**Oklahoma (Tulsa)** - Serous papillary cystadenoma, Gondalir type

**Washington (Madigan Army Medical Center)** - Borderline serous cystadenoma

**Australia (North Queensland Pathology Group)** - Borderline mucinous tumour

**Australia (Royal Prince Alfred Hospital, Sydney)** - Proliferating serous tumour (low malignant potential)

**Canada (Foothills Hospital, Calgary)** - Mucinous cystic tumor of borderline malignancy

**Singapore** - Borderline papillary serous tumor

May 2001
Case 2 - Diagnosis:
Borderline Papillary Serous Tumor, Ovary
T-87000, M-84600

Case 2 - References:

Case No. 3, Accession No. 28672

Bakersfield - Endometrioid carcinoma
Baldwin Park (Kaiser) - Endometrioid carcinoma (3); Well-differentiated endometrioid carcinoma (1)
Bay Area - Infiltrating serous papillary adenocarcinoma (3)
Irvine (UCI Medical Center Residents) - Papillary serous cystadenocarcinoma
Long Beach (Lakewood Regional Medical Center) - Papillary serous cyst adenocarcinoma (7)
Monterey (Community Hospital of Monterey Peninsula) - Papillary serous adenocarcinoma
Mountain View (El Camino Pathology Group) - Papillary serous cystadenocarcinoma
Oakland (Kaiser) - Serous carcinoma (4)
Riverside - Papillary serous cystadenocarcinoma
Sacramento (UC Davis Medical Center) - Endometrioid adenocarcinoma
San Diego (Naval Medical Center) - Papillary serous cystadenocarcinoma
Santa Rosa (Memorial Hospital) - Papillary serous cystadenocarcinoma (3)
Ventura (Unilab) - Papillary serous cystadenocarcinoma
Florida (Munroe Regional Medical Center) - Papillary serous carcinoma
Florida (Winter Haven Hospital) - Moderately differentiated papillary serous adenocarcinoma (3)
Indiana (St. Wayne) - Papillary serous cystadenocarcinoma, ovary
Kansas (University of Kansas Medical Center) - Serous cystadenocarcinoma , FIGO II, nuclear grade 2
Kentucky (University of Louisville Residents) - Serous adenocarcinoma, well to moderately differentiated
Louisiana (Shreveport) - Serous papillary carcinoma, ovary, invasive
Maryland (Johns Hopkins Hospital Residents) - Serous carcinoma
Maryland (National Naval Medical Center) - Serous papillary adenocarcinoma
Maryland (Woodbine) - Papillary serous cystadenocarcinoma of borderline malignancy (2)
Maryland (University of Maryland Residents) - Endometrioid carcinoma
Massachusetts (Berkshire Medical Center) - High grade papillary serous carcinoma
Massachusetts (New England Medical Center Residents) - Ovarian serous carcinoma, ? carcinosarcoma
Michigan (Oakwood Hospital) - Papillary serous carcinoma
Michigan (St. Joseph Mercy Hospital) - Well-differentiated serous carcinoma (4)
Mississippi (University of Mississippi Medical Center, Elderpath Group) - Papillary serous adenocarcinoma
Nebraska (Creighton University) - Serous cystadenocarcinoma
New Jersey (Overlook Hospital) - Papillary serous carcinoma (4)
New York (Both Israel Medical Center Residents) - Mucinous cystadenocarcinoma
New York (Long Island Jewish Medical Center) - Serous cystadenocarcinoma
New York SUNY Stony Brook University Hospital Residents) - High grade serous carcinoma, consistent with primary
North Carolina (WNC Pathology Group) - Endometrioid adenocarcinoma

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Oklahoma (Tulsa) - Endometrioid adenocarcinoma
Washington (Madigan Army Medical Center) - Papillary serous cystadenocarcinoma
Australia (North Queensland Pathology Group) - Serous carcinoma
Australia (Royal Prince Alfred Hospital, Sydney) - Serous carcinoma
Canada (Foothills Hospital, Calgary) - Endometrioid adenocarcinoma
Singapore - Serous carcinoma

Case 3 - Diagnosis:

Papillary Serous Cystadenocarcinoma, Ovary
T-87000, M-84413

Case 3 - References:

Case No. 4, Accession No. 28276

Bakersfield - Endodermal sinus tumor (hepatoid type)
Baldwin Park (Kaiser) - Clear cell carcinoma (4)
Bay Area - Metastatic adenocarcinoma (1); Hepatoid variant of a yolk sac tumor (1); Hepatoid carcinoma (1); (?) clear cell carcinoma
Irvine (UCI Medical Center Residents) - Clear cell carcinoma
Long Beach (Lakewood Regional Medical Center) - Clear cell carcinoma (7)
Monterey (Community Hospital of Monterey Peninsula) - Sertoli cell tumor, oxyphilic type
Mountain View (El Camino Pathology Group) - Clear cell adenocarcinoma
Oakland (Kaiser) - Oxyphilic variant of clear cell carcinoma (4)
Riverside - Clear cell carcinoma
Sacramento (UC Davis Medical Center) - Clear cell adenocarcinoma, tubular cystic pattern
San Diego (Naval Medical Center) - Clear cell carcinoma - oxyphil type
Santa Rosa (Memorial Hospital) - Clear cell carcinoma (3)
Ventura (Unilab) - Yolk sac tumor (2)
Florida (Munroe Regional Medical Center) - Clear cell carcinoma, oxyphilic type
Florida (Winter Haven Hospital) - Moderately well-differentiated adenocarcinoma (clear cell type) (1); Clear cell adenocarcinoma (1); Adenocarcinoma (1)
Indiana (P. Wayne) - Clear cell carcinoma with oxyphilic cells, ovary
Kansas (University of Kansas Medical Center) - Clear cell adenocarcinoma, FIGO III
Kentucky (University of Louisville Residents) - Clear cell adenocarcinoma
Louisiana (Shreveport) - Clear cell carcinoma, ovary
Maryland (Johns Hopkins Hospital Residents) - Favor clear cell adenocarcinoma with predominantly oxyphil features
Maryland (National Naval Medical Center) - Clear cell carcinoma
Maryland (Woodbine) - Clear cell carcinoma (2)
Maryland (University of Maryland Residents) - Clear cell carcinoma, oncocytic variant
Massachusetts (Berkshire Medical Center) - Mesonephric/clear cell carcinoma vs. hepatoid carcinoma
Massachusetts (New England Medical Center Residents) - Clear cell carcinoma
Michigan (Oakwood Hospital) - Clear cell carcinoma
Michigan (St. Joseph Mercy Hospital) - Clear cell carcinoma, oxyphilic variant (4)

May 2001
Case 4 - Diagnosis:
Clear Cell Carcinoma, Ovary
T-87000, M-83103

Case 4 - References:

Case No. 5, Accession No. 28592

Bakersfield - Malignant mixed mesodermal tumor (heterologous)
Baldwin Park (Kaiser) - MMMT (4)
Bay Area - Malignant mixed mullerian tumor (carcinosarcoma) (3)
Irvine (UCI Medical Center Residents) - MMMT (malignant mullerian mixed tumor)
Long Beach (Lakewood Regional Medical Center) - Malignant mixed mullerian tumor with heterologous elements (7)
Monterey (Community Hospital of Monterey Peninsula) - Poorly differentiated Sertoli Leydig cell tumor with heterologous elements
Mountain View (El Camino Pathology Group) - Malignant mixed mullerian tumor with heterologous elements
Oakland (Kaiser) - MMMT, heterologous type (4)
Riverside - Adenosarcoma
Sacramento (UC Davis Medical Center) - Carcinosarcoma
San Diego (Naval Medical Center) - Carcinosarcoma
Santa Rosa (Memorial Hospital) - Heterologous malignant mixed mullerian tumor (3)
Ventura (Unifab) - Malignant mesodermal mixed tumor
Florida (Murroce Regional Medical Center) - Malignant mesodermal mixed tumor, heterologous
Florida (Winter Haven Hospital) - Malignant mixed mullerian tumor with heterologous elements (1); Teratocarcinoma (1); Malignant mixed mesodermal tumor
Indiana (Fl. Wayne) - Mullerian carcinosarcoma, MMT, heterologous type, ovary
Kansas (University of Kansas Medical Center) - MMMT, heterologous type
Kentucky (University of Louisville Residents) - Carcinosarcoma with heterologous elements
Louisiana (Shreveport) - Carcinosarcoma, ovary
Maryland (Johns Hopkins Hospital Residents) - M MM T, malignant mixed mullerian tumor/carcinosarcoma
Maryland (National Naval Medical Center) - M MM T with heterologous element (mixed mullerian mesodermal tumor)
Maryland (Woodbine) - Carcinosarcoma (MMMT) (2)

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Case 5 - Diagnosis:

Malignant Mixed Mullerian Tumor (Carcinosarcoma with Heterologous Elements), Ovary

T-87000, M-89503

Case 5 - References:


Case No. 6, Accession No. 28134

Bakersfield - Endodermal sinus tumor

Baldwin Park (Kaiser) - Poorly preserved stained germ cell tumor (2)

Bay Area - Germ cell tumor, dysgerminoma (2); Malignant granulosa cell tumor (1)

Irvine (UCI Medical Center Residents) - Mixed germ cell tumor (6) vs. juvenile granulosa cell tumor (2)

Long Beach (Lakewood Regional Medical Center) - Germ cell tumor (7)

Monterey (Community Hospital of Monterey Peninsula) - Clear cell carcinoma, oxyphilic type

Mountain View (El Camino Pathology Group) - Juvenile granulosa cell tumor

Oakland (Kaiser) - Embryonal carcinoma (2); Undifferentiated carcinoma (2)

Riverside - Poorly differentiated adenocarcinoma

Sacramento (UC Davis Medical Center) - Mixed germ cell tumor

San Diego (Naval Medical Center) - Mixed germ cell tumor (9); Poorly differentiated adenocarcinoma (2)

Santa Rosa (Memorial Hospital) - Malignant tumor, probable carcinoma (1); Malignant tumor, favor carcinoma (1); Malignant tumor, rule out undifferentiated clear cell carcinoma (1)

Ventura (Unilab) - Undifferentiated carcinoma (2)

Florida (Munroe Regional Medical Center) - Granulosa cell tumor

Florida (Winter Haven Hospital) - Embryonal carcinoma (1); Malignant granulosa, theca cell tumor (1); Dysgerminoma (1)

Indiana (Ft. Wayne) - Sertoli-Leydig tumor, right ovary

Kansas (University of Kansas Medical Center) - Dysgerminoma vs. mixed germ cell tumor

May 2001
Kentucky (University of Louisville Residents) - Sertoli-Leydig cell tumor, poorly differentiated
Louisiana (Shreveport) - Poorly differentiated carcinoma, ovary
Maryland (Johns Hopkins Hospital Residents) - Ovarian small cell carcinoma with large cells with abundant dense cytoplasm, was this patient hypercalcemic?
Maryland (National Naval Medical Center) - Malignant germ cell tumor (? yolk sac)
Maryland (Woodbine) - Undifferentiated carcinoma (1); Metastatic breast carcinoma (1)
Maryland (University of Maryland Residents) - Juvenile granulosa cell tumor
Massachusetts (Berkeley Medical Center) - Embryonal carcinoma
Massachusetts (New England Medical Center Residents) - Yolk sac tumor
Michigan (Oakwood Hospital) - Mixed germ cell tumor
Michigan (St. Joseph Mercy Hospital) - Dysgerminoma (2); Malignant germ cell tumor, unclassified (2)
Mississippi (University of Mississippi Medical Center, Elderpath Group) - Embryonal carcinoma
Nebraska (Creighton University) - Small cell carcinoma
New Jersey (Overlook Hospital) - Malignant tumor, NOS (4)
New York (Beth Israel Medical Center Residents) - Germ cell tumor, embryonal carcinoma
New York (Long Island Jewish Medical Center) - Mixed germ cell tumor (? gonadoblastoma)
New York SUNY Stony Brook University Hospital Residents) - Malignant mixed germ cell tumor
North Carolina (WNC Pathology Group) - Germ cell tumor, yolk sac tumor, ? choriocarcinoma (1) Germ cell tumor (1); Choriocarcinoma (1)
Oklahoma (Tulsa) - Malignant sex cord stromal tumor
Washington (Madigan Army Medical Center) - Malignant germ cell tumor, favor yolk sac
Australia (North Queensland Pathology Group) - ? poorly differentiated clear cell carcinoma
Australia (Royal Prince Alfred Hospital, Sydney) - Juvenile granulosa cell tumor
Canada (Foothills Hospital, Calgary) - Juvenile granulosa cell tumor
Singapore - Metastatic poorly differentiated adenocarcinoma

Case 6 - Diagnosis:
Malignant Germ Cell Tumor, Favor Dyserminoma, Ovary
T-87000, M-90603

Case 6 - References:

Case No. 7, Accession No. 28945

Bakersfield - Immature teratoma, grade 2
Baldwin Park (Kaiser) - Immature teratoma (4)
Bay Area - Cystic teratoma with immature elements (3)
Irvine (UCI Medical Center Residents) - Immature teratoma
Long Beach (Lakewood Regional Medical Center) - Immature teratoma (7)
Monterey (Community Hospital of Monterey Peninsula) - Immature teratoma
Mountain View (El Camino Pathology Group) - Immature teratoma, grade 1
Oakland (Kaiser) - Immature teratoma (4)
Riverside - Mature teratoma
Sacramento (UC Davis Medical Center) - Immature teratoma, grade 1

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San Diego (Naval Medical Center) - Immature teratoma, grade 3
Santa Rosa (Memorial Hospital) - Immature teratoma, grade II (3)
Ventura (Unilab) - Immature teratoma
Florida (Munroe Regional Medical Center) - Teratoma with immature elements
Florida (Winter Haven Hospital) - Dermoid teratoma (1); Teratoma (1); Immature teratoma (1)
Indiana (St. Wayne) - Immature solid/cystic teratoma, left ovary
Kansas (University of Kansas Medical Center) - Immature teratoma
Kentucky (University of Louisville Residents) - Immature teratoma, grade 2
Louisiana (Shreveport) - Immature teratoma, ovary
Maryland (Johns Hopkins Hospital Residents) - Teratoma with immature foci
Maryland (National Naval Medical Center) - Immature teratoma
Maryland (Woodbine) - Teratoma, mature and immature (2)
Massachusetts (Berkshire Medical Center) - Immature teratoma
Massachusetts (New England Medical Center Residents) - Immature teratoma
Michigan (Oakwood Hospital) - Immature teratoma
Michigan (St. Joseph Mercy Hospital) - Immature teratoma, grade 1 (4)
Mississippi (University of Mississippi Medical Center, Elderpath Group) - Teratocarcinoma, grade 2
Nebraska (Creighton University) - Mature teratoma
New Jersey (Overlook Hospital) - Immature teratoma, grade 1 (2)
New York (Beth Israel Medical Center Residents) - Immature teratoma
New York (Long Island Jewish Medical Center) - Teratoma with immature neuroepithelium
New York SUNY Stony Brook University Hospital Residents - Immature teratoma, high grade
North Carolina (WNC Pathology Group) - Mature cystic teratoma (3)
Oklahoma (Tulsa) - Immature teratoma
Washington (Madigan Army Medical Center) - Immature teratoma
Australia (North Queensland Pathology Group) - Teratoma
Australia (Royal Prince Alfred Hospital, Sydney) - High grade immature teratoma
Canada (Foothills Hospital, Calgary) - Immature teratoma
Singapore - Immature teratoma

Case 7 - Diagnosis:
Immature Teratoma, Left Ovary
T-87000, M-90803

Case 7 - References:

Case No. 8, Accession No. 28158

Bakersfield - Endometrial stromal nodule
Baldwin Park (Kaiser) - Endometrial stromal nodule vs. stromal sarcoma (2); Stromal nodule (1)
Bay Area - Endometrial stromal tumor (low grade sarcoma) (3)

May 2001
Irvine (UCI Medical Center Residents) - Endometrial stromal sarcoma, low grade
Long Beach (Lakewood Regional Medical Center) - Endometrial stromal nodule (7)
Monterey (Community Hospital of Monterey Peninsula) - Stromal nodule
Mountain View (El Camino Pathology Group) - Low grade stromal sarcoma
Oakland (Kaiser) - Endometrial stromal nodule (4)
Riverside - Benign stromal tumor
Sacramento (UC Davis Medical Center) - Endometrial stromal nodule
San Diego (Naval Medical Center) - Endometrial stromal nodule (6); Endometrial stromal sarcoma, low grade (5)
Santa Rosa (Memorial Hospital) - Endometrial stromal sarcoma, low grade (3)
Ventura (Unilab) - Endometrial stromal nodule (2)
Florida (Munroe Regional Medical Center) - Endometrial stromal nodule
Florida (Winter Haven Hospital) - Plexiform leiomyoma (1); Stromal nodule (1); Cellular leiomyoma (1)
Indiana (Pt. Wayne) - Endometrial stromal nodule, myometrium
Kansas (University of Kansas Medical Center) - Low grade endometrial stromal sarcoma
Kentucky (University of Louisville Residents) - Endometrial stromal nodule
Louisiana (Shreveport) - Low grade stromal sarcoma, uterus
Maryland (Johns Hopkins Hospital Residents) - Favor endometrial stromal nodule
Maryland (National Naval Medical Center) - Endometrial stromal nodule
Maryland (Woodbine) - Endometrial stromal sarcoma (2)
Maryland (University of Maryland Residents) - Stromal nodule
Massachusetts (Berkshire Medical Center) - Low grade stromal sarcoma
Massachusetts (New England Medical Center Residents) - Low grade stromal sarcoma
Michigan (Oakwood Hospital) - Endometrial stromal nodule
Michigan (St. Joseph Mercy Hospital) - Low grade stromal sarcoma (4)
Mississippi (University of Mississippi Medical Center, Elderpath Group) - Uterine sex cord-like tumor
Nebraska (Creighton University) - Stromal tumor
New Jersey (Overlook Hospital) - Benign endometrial stromal tumor (4)
New York (Beth Israel Medical Center Residents) - Carcinoid tumor
New York (Long Island Jewish Medical Center) - Low grade endometrial stromal tumor
New York SUNY Stony Brook University Hospital Residents) - Stromal nodule
North Carolina (WNC Pathology Group) - Stromal nodule (3)
Oklahoma (Tulsa) - Endometrial stromal sarcoma, low grade
Washington (Madigan Army Medical Center) - Endometrial stromal sarcoma, low grade
Australia (North Queensland Pathology Group) - Stromal sarcoma
Australia (Royal Prince Alfred Hospital, Sydney) - Low grade endometrial stromal sarcoma
Canada (Foothills Hospital, Calgary) - Endometrial stromal nodule
Singapore - Endometrial stromal sarcoma

Case 8 - Diagnosis:
Endometrial Stromal Nodule, Uterus
T-82000, M-03010

Case 8 - References:

Case No. 9, Accession No. 28260
May 2001
Bakersfield - Epithelioid leiomyoma
Baldwin Park (Kaiser) - Leiomyoma with degeneration (1); Leiomyoma (3)
Bay Area - Leiomyoma (3)
Irvine (UCI Medical Center Residents) - Epithelioid leiomyoma
Long Beach (Lakewood Regional Medical Center) - Leiomyoma (7)
Monterey (Community Hospital of Monterey Peninsula) - Leiomyoma
Mountain View (El Camino Pathology Group) - Plexiform leiomyoma with infarction
Oakland (Kaiser) - Leiomyoma (4)
Riverside - Stromal tumor
Sacramento (UC Davis Medical Center) - Leiomyoma, myxoid/vascular
San Diego (Naval Medical Center) - Epithelioid leiomyoma of plexiform type
Santa Rosa (Memorial Hospital) - Leiomyoma (3)
Ventura (Unilab) - Plexiform epithelioid leiomyoma (2)
Florida (Munroe Regional Medical Center) - Leiomyoma with hyalinization
Florida (Winter Haven Hospital) - Cellular leiomyoma (1); Symplasmic leiomyoma (1); Plexiform leiomyoma (1)
Indiana (Fort Wayne) - Epithelioid leiomyoma (plexiform type), uterus
Kansas (University of Kansas Medical Center) - Plexiform leiomyoma
Kentucky (University of Louisville Residents) - Stromomyoma
Louisiana (Shreveport) - Leiomyoma, uterus
Maryland (Johns Hopkins Hospital Residents) - Myxoid leiomyoma
Maryland (National Naval Medical Center) - Leiomyoma (9); Epithelioid leiomyoma (1)
Maryland (Woodbine) - Leiomyoma (2)
Maryland (University of Maryland Residents) - Plexiform leiomyoma
Massachusetts (Berkshire Medical Center) - Smooth muscle tumor of unknown malignant potential
Massachusetts (New England Medical Center Residents) - Leiomyoma (plexiform tumor)
Michigan (Oakwood Hospital) - Leiomyoma
Michigan (St. Joseph Mercy Hospital) - Myxoid leiomyoma (4)
Mississippi (University of Mississippi Medical Center, Elder Group Path) - Plexiform leiomyoma
Nebraska (Creighton University) - Leiomyoma
New Jersey (Overlook Hospital) - Benign leiomyoma (4)
New York (Beth Israel Medical Center Residents) - Leiomyoma
New York (Long Island Jewish Medical Center) - Leiomyoma (plexiform)
New York SUNY Stony Brook University Hospital Residents - Leiomyoma
North Carolina (WNC Pathology Group) - Leiomyoma with degenerative changes (1); Leiomyoma (2)
Oklahoma (Tulsa) - Plexiform leiomyoma
Washington (Madigan Army Medical Center) - Leiomyoma
Australia (North Queensland Pathology Group) - Uterine sex cord like tumour
Australia (Royal Prince Alfred Hospital, Sydney) - Benign epithelioid smooth muscle tumour (plexiform variant)
Canada (Foothills Hospital, Calgary) - Leiomyoma with sex cord-like areas
Singapore - Epithelioid leiomyoma

Case 9 - Diagnosis:
Epithelioid Leiomyoma with Plexiform Features ("Plexiform Leiomyoma"), Uterus
T-82000, M-88950

Case 9 - References:

### Case No. 10, Accession No. 28172

**May 2001**

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**Case 10 - Diagnosis:**

Myxoid Leiomyosarcoma, Uterus

T-82000, M-88903
Case 10 - References: