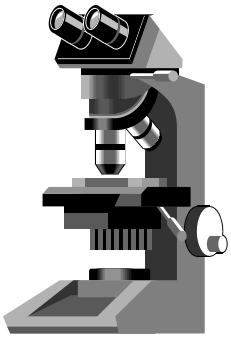
CALIFORNIA
TUMOR TISSUE REGISTRY

"Gynecologic Neoplasms"

Minutes – Subscription B

September, 2007



SUGGESTED READING (General Topics from Recent Literature):

Lymphoepithelioma-Like Carcinoma of the Urinary Tract. A Clinicopathological Study of 30 Pure and Mixed Cases. Tamas EF, Nielsen, ME, et al. *Mod Pathol* 2007:828-834.

The Impact of Epstein-Barr Virus Status on Clinical Outcome in Diffuse Large B-Cell Lymphoma. Park S, Lee J, et al. *Blood* 2007; 110:972-978.

Immunohistochemical Differentiation of High-Grade Prostate Carcinoma from Urothelial Carcinoma. Chuang AY, DeMarzo AM, et al. *Am J Surg Pathol* 2007:1246-1255.

Clinical Outcomes of Breast Cancer in Carriers of BRCAI and BRCA2 Mutations. Rennert G, Bisland-Naggan S, et al. *N Engl J Med* 2007; 357:115-123.

Impact of Resection Status on Pattern of Failure and Survival After Pancreaticoduodenectomy for Pancreatic Adenocarcinoma. *Ann Surg* 2007; 246:52-60.

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FILE DIAGNOSES

(Preferably submitted on website at www.cttr.org. Click "subscriptions", then "submit answers.")

CTTR Subscription B

Case 1:
Placenta accreta
T-88100, M-29210

Case 2:
Lipoleiomyoma, uterus
T-82000, M-88900

Case 3:
Angiomyofibroblastoma, vulva
T-80100, M-91611

Case 4:
Low-grade sarcoma with myxoid features, vulva
T-80130, M-88003

Case 5:
Brenner tumor ("transitional cell tumor"), ovary
T-87000, M-90000

Case 6:
Dysgerminoma, ovary
T-87000, M-90603

Case 7:
Fibrosarcoma, ovary
T-87000, M-88103

Case 8:
Yolk sac tumor, ovary
T-87000, M-90713

Case 9:
Myxoid Leiomyosarcoma, uterus
T-82000, M-88903

Case 10:
Mucinous cystadenocarcinoma, ovaries
T-87000, M-84703

Case No. 1 - Accession No. 30429 **September, 2007**

Canoga Park - Placenta accreta
Claremont - Placenta accreta
Escondido - Exaggerated placental site
Glendale - Placenta accreta
Los Angeles (USC Medical Center) - Placenta increta
Newport Beach - Placenta accreta
San Diego (Naval Medical Center) - Exaggerated placental site
San Francisco (University of California San Francisco) - Implantation site
Alabama, Mt. Olive - Placenta accreta
Georgia, Decatur - Placenta accreta
Illinois (Heartland Regional Medical Center) - Placenta increta
Illinois (Loyola University of Chicago) - Placenta accreta
Kansas (Coffeyville Regional Medical Center) - Placental site trophoblastic tumor
Missouri (Ferguson Medical Laboratories) - Placental site trophoblastic tumor
Nevada, Las Vegas -Placenta accreta
New York (Nassau University Medical Center) - Placenta accreta
New York (Stony Brook University Medical Center) - Epithelioid trophoblastic tumor
New York (SUNY Downstate Medical Center) - Exaggerated placental site
New York (Westchester Medical Center) - Placenta accreta
New York, Youngstown - Placenta increta
Pennsylvania (Conemaugh Hospital) - Placenta accreta
Pennsylvania (Drexel University of Medicine) - Placenta accrete vera
Puerto Rico (University of Puerto Rico) - Placenta accrete/decidual plate
Rhode Island (Brown University Residents) - Placenta increta
South Dakota (LCM Pathologists) - Placenta increta
Texas, Crystal Beach - Placenta accreta
Texas, Lubbock - Placenta increta
Texas (Scott & White Memorial Hospital) - Placenta accreta
Texas (Sugar Land) - Placenta accreta
Maryland (National Naval Medical Center) - Placenta accreta
Washington, DC - Placenta accreta
Wisconsin (St. Mary's Hospital) - Placenta site trophoblastic tumor
Australia (Sullivan Nicolaides Pathology) - Placenta accreta
Canada (Pasqua Hospital) - Placental site
Canada (Sherbrooke University Hospital) - Placenta accreta
Hong Kong (Kwong Wah Hospital) - Placenta accreta
Japan (Asahi General Hospital) - Epithelioid trophoblastic tumor
Japan (Gunma University) - Exaggrated placental site

Case 1 - Diagnosis:

Placenta accreta
T-88100, M-29210

Case 1 - References:

Gilchinsky Y, Rojansky N, Fasouliatas SJ, et al: Placenta Accreta – Summary Of 10 Years. A Survey Of 310 Cases. *Placenta*, 2002; 23:210-14.

Jacques SM, Qureshi F, Trent VS, et al: Placenta Accreta: Mild Cases Diagnosed By Placental Examination. *Int J Gynecol Pathol*, 1996; 15:28-33.

Warshak CR, Eskander R, Hull AD, et al. Accuracy of Ultrasonography and Magnetic Resonance Imaging in the Diagnosis of Placenta Accreta. *Obstet Gynecol* 2006; 108(3 Pt 1):573-581.

Usta IM, Hobeika EM, Musa AA, et al. Placenta Previa-Accreta. Risk Factors and Complications. *Am J Obstet Gynecol* 2005; 193(3 Pt 2):1045-1049.

Nishijima K, Shukunami K, Arikura S, et al. An Operative Technique for Conservative Management of Placenta Accreta. *Obstet Gynecol* 2005; 105(5 Pt 2):1201-1203.

Is Endomyometrial Injury During Termination of Pregnancy or Curettage Following Miscarriage the Precursor to Placenta Accreta? *J Clin Pathol* 2005; 58(3):273-275.

Case No. 2 - Accession No. 30371 September, 2007

Canoga Park - Lipoleiomyoma
Claremont - Pedunculated leiomyoma
Escondido - Lipoleiomyoma
Glendale - Lipoleiomyoma
Los Angeles (USC Medical Center) - Lipoleiomyoma
Newport Beach - Myolipoma of uterus
San Diego (Naval Medical Center) - Lipoleiomyoma
San Francisco (University of California San Francisco) - Lipoleiomyoma
Alabama, Mt. Olive - Lipoleiomyoma
Georgia, Decatur - Lipoleiomyoma
Illinois (Heartland Regional Medical Center) - Lipoleiomyoma
Illinois (Loyola University of Chicago) - Lipoleiomyoma
Kansas (Coffeyville Regional Medical Center) - Angiomyolipoma
Missouri (Ferguson Medical Laboratories) - Lipoleiomyoma
Nevada, Las Vegas - Lipoleiomyoma
New York (Nassau University Medical Center) - Lipoleiomyoma
New York (Stony Brook University Medical Center) - Parasitic lipoleiomyoma
New York (SUNY Downstate Medical Center) - Lipoleiomyoma
New York (Westchester Medical Center) - Lipoleiomyoma
New York, Youngstown - Benign lipoleiomyoma
Pennsylvania (Conemaugh Hospital) - Lipoleiomyoma
Pennsylvania (Drexel University of Medicine) - Lipoleiomyoma
Puerto Rico (University of Puerto Rico) - Lipoleiomyoma
Rhode Island (Brown University Residents) - Lipoleiomyoma
South Dakota (LCM Pathologists) - Lipoleiomyoma
Texas, Crystal Beach - Lipoleiomyoma (cellular)
Texas, Lubbock - Lipomyoma
Texas (Scott & White Memorial Hospital) - Lipoleiomyoma
Texas (Sugar Land) - Lipoleiomyoma
Maryland (National Naval Medical Center) - Lipoleiomyoma
Washington, DC - Lipoleiomyoma
Wisconsin (St. Mary's Hospital) - Smooth muscle tumor of uncertain malignant potential
Australia (Sullivan Nicolaides Pathology) - Lipoleiomyoma
Canada (Pasqua Hospital) - Lipoleiomyoma
Canada (Sherbrooke University Hospital) - Lipoleiomyoma
Hong Kong (Kwong Wah Hospital) - Lipoleiomyoma
Japan (Asahi General Hospital) - Lipoleiomyoma
Japan (Gunma University) - Lipoleiomyoma

Case 2 - Diagnosis:

Lipoleiomyoma, uterus
T-82000, M-88900

Case 2 - References:

Wang X, Kumar, D and Seidman JD. Uterine Lipoleiomyomas. A Clinicopathologic Study of 50 Cases. *Int J Gynecol Pathol* 2006; 25(3):239-242.
Aung T, Goto M, Nomoto M, et al. Uterine Lipoleiomyoma. A Histopathological Review of 17 Cases. *Pathol Int* 2004; 54(10):751-758.
Kondi-Pafiti A, Grapsa D, Kairi-Vassilatou E, et al. Mesenchymal Tumors of the Uterine Corpus with Heterologous and Hematopoietic Components. A Study of Ten Cases and Review of the Literature. *Eur J Gynaecol Oncol* 2006; 27(1):73-77.
Fukunaga M. Benign "Metastasizing" Lipoleiomyoma of the Uterus. *Int J Gynecol Pathol* 2003; 22(2):202-204.

Case No. 3 - Accession No. 30349 September, 2007

Canoga Park - Angiomyofibroblastoma
Claremont - Leiomyoma
Escondido - Angiomyofibroblastoma

Glendale - Leiomyoma
Los Angeles (USC Medical Center) - Angiomyofibroblastoma
Newport Beach - Leiomyoma
San Diego (Naval Medical Center) - Leiomyoma vs. angiomyofibroblastoma
San Francisco (University of California San Francisco) - Epithelioid leiomyoma
Alabama, Mt. Olive - Leiomyoma
Georgia, Decatur - Angiomyofibroblastoma
Illinois (Heartland Regional Medical Center) - Leiomyoma
Illinois (Loyola University of Chicago) - Rhabdomyoma
Kansas (Coffeyville Regional Medical Center) - Leiomyoma
Missouri (Ferguson Medical Laboratories) - Angiomyofibroblastoma
Nevada, Las Vegas - Angiomyofibroblastoma
New York (Nassau University Medical Center) - Angioleiomyoma
New York (Stony Brook University Medical Center) - Angiomyofibroblastoma
New York (SUNY Downstate Medical Center) - Angiomyofibroblastoma
New York (Westchester Medical Center) - Angioleiomyoma
New York, Youngstown - Angiomyofibroblastoma
Pennsylvania (Conemaugh Hospital) - Epithelioid leiomyosarcoma
Pennsylvania (Drexel University of Medicine) - Angiomyofibroblastoma
Puerto Rico (University of Puerto Rico) - Angiomyofibroblastoma
Rhode Island (Brown University Residents) - Leiomyoma with myxohyaline change
South Dakota (LCM Pathologists) - Angiomyofibroblastoma
Texas, Crystal Beach - Leiomyoma
Texas, Lubbock - Angiofibroma
Texas (Scott & White Memorial Hospital) - Angiomyofibroblastoma
Texas (Sugar Land) - Leiomyoma
Maryland (National Naval Medical Center) - Angiomyofibroblastoma
Washington, DC - Angiomyofibroblastoma
Wisconsin (St. Mary's Hospital) - Smooth muscle tumor (leiomyoma)
Australia (Sullivan Nicolaides Pathology) - Leiomyoma
Canada (Pasqua Hospital) - Leiomyoma
Canada (Sherbrooke University Hospital) - Rhabdomyoma
Hong Kong (Kwong Wah Hospital) - Angiomyofibroblastoma
Japan (Asahi General Hospital) - Fibroepithelial stromal polyp
Japan (Gunma University) - Angiomyofibroblastoma

Case 3 - Diagnosis:

Angiomyofibroblastoma, vulva
T-80100, M-91611

Case 3 - References:

Cao D, Srodon M. Montgomery EA, Keenan RJ: Lipomatous Variant Of Angiomyofibroblastoma: Report Of Two Cases And Review Of The Literature. *Int J Gynecol Pathol*, 2005; 24:196-200.

Fletcher CDM, Tsang WYW, Fisher C, et al: Angiomyofibroblastoma Of The Vulva. A Benign Neoplasm Distinct From Aggressive Angiomyxoma. *Am J Surg Pathol*, 1992; 16(4):373-382.

Nielsen GP, Rosenberg AE, Young RH, et al: Angiomyofibroblastomas Of The Vulva And Vagina. *Mod Pathol*, 1996; 9:284-91.

Nielsen GP, Young RH, Dickersin GR, et al: Angiomyofibroblastoma Of the Vulva With Sarcomatous Transformation ("Angiomyofibrosarcoma"). *Am J Surg Pathol*, 1997; 21:1104-5.

Case No. 4 - Accession No. 30436 September, 2007

Canoga Park - Parachondroma vs. aggressive angiomyxoma
Claremont - Melanoma
Escondido - Liposarcoma
Glendale - Myxoid sarcoma
Los Angeles (USC Medical Center) - Metastatic renal clear cell (conventional) carcinoma
Newport Beach - Clear cell renal carcinoma
San Diego (Naval Medical Center) - Liposarcoma
Alabama, Mt. Olive - Myxoid liposarcoma

Georgia, Decatur - Malignant myxoid neoplasm, rule out MPNST
Illinois (Heartland Regional Medical Center) - Pleomorphic liposarcoma with round cells
Illinois (Loyola University of Chicago) - Aggressive angiomyxoma
Kansas (Coffeyville Regional Medical Center) - Myxoid liposarcoma
Missouri (Ferguson Medical Laboratories) - Aggressive angiomyxoma
Nevada, Las Vegas - Aggressive angiomyxoma?
New York (Nassau University Medical Center) - Liposarcoma
New York (Stony Brook University Medical Center) - Pleomorphic liposarcoma with hibernomatous features
New York (SUNY Downstate Medical Center) - Extraskeletal myxoid chondrosarcoma vs. liposarcoma
New York (Westchester Medical Center) - Leiomyoma with myxoid degeneration and deciduoma changes
New York, Youngstown - Liposarcoma
Pennsylvania (Conemaugh Hospital) - Extra-skeletal myxoid chondrosarcoma
Pennsylvania (Drexel University of Medicine) - Myxoid liposarcoma, low grade
Puerto Rico (University of Puerto Rico) - Myxoid liposarcoma
Rhode Island (Brown University Residents) - Angiomyofibroblastoma, luteinized
South Dakota (LCM Pathologists) - Poorly differentiated malignant neoplasm
Texas, Crystal Beach - Deciduoma & acias stella changes
Texas, Lubbock - Myxoma
Texas (Scott & White Memorial Hospital) - Sebaceous carcinoma
Texas (Sugar Land) - Alveolar soft part sarcoma
Maryland (National Naval Medical Center) - Pleomorphic liposarcoma
Washington, DC - Pleomorphic liposarcoma
Wisconsin (St. Mary's Hospital) - Liposarcoma
Australia (Sullivan Nicolaides Pathology) - Myxoid sarcoma, NOS, high grade
Canada (Pasqua Hospital) - Sarcoma, ?lipo
Canada (Sherbrooke University Hospital) - Aggressive angiomyxoma
Hong Kong (Kwong Wah Hospital) - Myxoid liposarcoma
Japan (Asahi General Hospital) - Aggressive angiomyxoma
Japan (Gunma University) - Myxoid/round cell liposarcoma

Case 4 - Diagnosis:

Low-grade sarcoma with myxoid features, vulva
T-80130, M-88003

Case 4 - References:

McCluggage WC: A Review And Update Of Morphologically Bland Vulvoginal Mesenchymal Lesions. *Int J Gynecol Pathol*, 2004; 24:36-8.
Roth TM, Fratkin J, Woodring TC, et al. Low-Grade Myofibroblastic Sarcoma of the Vulva. *Gynecol Oncol* 2004; 92(1):361-364.
Vernon SE and Bejarano PA. Low-Grade Fibromyxoid Sarcoma. A Brief Review. *Arch Pathol Lab Med* 2006; 130(9):1358-1360.
Behranwala KA, Latifaj B, Blake P, et al. Vulvar Soft Tissue Tumors. *Int J Gynecol Cancer* 2004; 14(1):94-99.
Antonescu CR and Baren A. Spectrum of Low-Grade Fibrosarcomas. A Comparative Ultrastructural Analysis of Low-Grade Myxofibrosarcoma and Fibromyxoid Sarcoma. *Ultrastruct Pathol* 2004; 28(5-6):321-332.

Case No. 5 - Accession No. 30286 September, 2007

Canoga Park - Brenner tumor
Claremont - Sex cord tumor with annular tubules
Escondido - Brenner tumor
Glendale - Brenner tumor
Los Angeles (USC Medical Center) - Fibroma with minor sex cord element
Newport Beach - Brenner tumor
San Diego (Naval Medical Center) - Brenner tumor
San Francisco (University of California San Francisco) - Brenner tumor
Alabama, Mt. Olive - Brenner tumor
Georgia, Decatur - Brenner tumor
Illinois (Heartland Regional Medical Center) - Benign Brenner tumor
Illinois (Loyola University of Chicago) - Benign Brenner tumor
Kansas (Coffeyville Regional Medical Center) - Brenner tumor
Missouri (Ferguson Medical Laboratories) - Brenner tumor
Nevada, Las Vegas - Brenner tumor

New York (Nassau University Medical Center) - Brenner's tumor
New York (Stony Brook University Medical Center) - Benign transitional cell (Brenner) tumor
New York (SUNY Downstate Medical Center) - Benign Brenner tumor
New York (Westchester Medical Center) - Benign Brenner tumor
New York, Youngstown - Benign Brenner tumor
Pennsylvania (Conemaugh Hospital) - Brenner tumor
Pennsylvania (Drexel University of Medicine) - Brenner tumor
Puerto Rico (University of Puerto Rico) - Transitional cell (Brenner) tumor
Rhode Island (Brown University Residents) - Brenner tumor
South Dakota (LCM Pathologists) - Brenner tumor
Texas, Crystal Beach - Brenner tumor
Texas, Lubbock - Brenner tumor
Texas (Scott & White Memorial Hospital) - Brenner tumor
Texas (Sugar Land) - Brenner tumor
Maryland (National Naval Medical Center) - Brenner tumor
Washington, DC - Brenner tumor
Wisconsin (St. Mary's Hospital) - Brenner's tumor
Australia (Sullivan Nicolaides Pathology) - Brenner tumor
Canada (Pasqua Hospital) - Brenner tumor
Canada (Sherbrooke University Hospital) - Brenner tumor
Hong Kong (Kwong Wah Hospital) - Benign Brenner's tumor
Japan (Asahi General Hospital) - Benign Brenner tumor
Japan (Gunma University) - Brenner's tumor

Case 5 - Diagnosis:

Brenner tumor ("transitional cell tumor"), ovary
T-87000, M-90000

Case 5 - References:

Ehrlich CE, Roth LM: The Brenner Tumor: Clinicopathologic Study Of 57 Cases. *Cancer*, 1997; 27:332-42.
Roth LM, Dallenbach-Hellweg G, Czernobilsky B: Ovarian Brenner Tumors: I. Metaplastic, Proliferating And Of Low Malignant Potential. *Cancer*, 1985; 56:582-91.
Baker PM and Young RH. Brenner Tumor of the Ovary with Striking Microcystic Change. *Int J Gynecol Pathol* 2003; 22(2):185-188.
Yoshida S, Shidoh M, Shimoya Y, et al. Brenner Tumour. *Lancet* 2003; 362(9387):858.
McCluggage WG and Young RH. Immunohistochemistry as a Diagnostic Aid in the Evaluation of Ovarian Tumors. *Semin Diagn Pathol* 2005; 22(1):3-32.

Case No. 6 - Accession No. 30269 September, 2007

Canoga Park - Dysgerminoma
Claremont - Dysgerminoma
Escondido - Dysgerminoma
Glendale - Dysgerminoma
Los Angeles (USC Medical Center) - Dysgerminoma
Newport Beach - Dysgerminoma
San Diego (Naval Medical Center) - Dysgerminoma
San Francisco (University of California San Francisco) - Dysgerminoma
Alabama, Mt. Olive - Dysgerminoma
Georgia, Decatur - Dysgerminoma
Illinois (Heartland Regional Medical Center) - Dysgerminoma
Illinois (Loyola University of Chicago) - Dysgerminoma
Kansas (Coffeyville Regional Medical Center) - Dysgerminoma
Missouri (Ferguson Medical Laboratories) - Germ cell tumor vs. juvenile granulose cell tumor (embryonal carcinoma)
Nevada, Las Vegas - Dysgerminoma
New York (Nassau University Medical Center) - Dysgerminoma
New York (Stony Brook University Medical Center) - Dysgerminoma
New York (SUNY Downstate Medical Center) - Dysgerminoma
New York (Westchester Medical Center) - Dysgerminoma
New York, Youngstown - Dysgerminoma

Pennsylvania (Conemaugh Hospital) - Dysgerminoma
Pennsylvania (Drexel University of Medicine) - Dysgerminoma
Puerto Rico (University of Puerto Rico) - Dysgerminoma
Rhode Island (Brown University Residents) - Dysgerminoma
South Dakota (LCM Pathologists) - Dysgerminoma
Texas, Crystal Beach - Dysgerminoma
Texas, Lubbock - Dysgerminoma
Texas (Scott & White Memorial Hospital) - Dysgerminoma
Texas (Sugar Land) - Dysgerminoma
Maryland (National Naval Medical Center) - Dysgerminoma
Washington, DC - Dysgerminoma
Wisconsin (St. Mary's Hospital) - Dysgerminoma
Australia (Sullivan Nicolaides Pathology) - Dysgerminoma
Canada (Pasqua Hospital) - Dysgerminoma
Canada (Sherbrooke University Hospital) - Dysgerminoma
Hong Kong (Kwong Wah Hospital) - Dysgerminoma
Japan (Asahi General Hospital) - Dysgerminoma
Japan (Gunma University) - Dysgerminoma

Case 6 - Diagnosis:

Dysgerminoma, ovary
T-87000, M-90603

Case 6 - References:

La Polla JP, Benda J, Vighotti AP, et al: Dysgerminoma Of The Ovary. *Obstet Gynecol*, 1987; 69:859-67.

De Palo G, Lattuada A, Kenda R, et al: Germ Cell Tumors Of The Ovary: The Experience Of the National Cancer Institute Of Milan. I. Dysgerminoma. *Int J Radiat Oncol Biol Phys*, 1987; 13:853-60.

Pressley RH, Muntz HG, Falkenberry S, Rice LW: Serum Lactic Dehyphogenase As Tumor Marker In Dysgerminomas. *Gynecol Oncol*, 1992; 44:281-3.

Cossu-Rocca P, Jones TD, Roth LM, et al. Cytokeratin and CD30 Expression in Dysgerminoma. *Hum Pathol* 2006; 37(8):1015-1021.

Cheng L, Thomas A, Roth LM, et al. A Novel Biomarker for Dysgerminoma of the Ovary. *Am J Surg Pathol* 2004; 28(10):1341-1346.

Roth LM and Talerman A. Recent Advances in the Pathology and Classification of Ovarian Germ Cell Tumors. *Int J Gynecol Pathol* 2006; 25(4):305-320.

Case No. 7 - Accession No. 30315 September, 2007

Canoga Park - Fibrothecoma
Claremont - Fibroma
Escondido - Fibrothecoma
Glendale - Cellular fibroma
Los Angeles (USC Medical Center) - Fibrothecoma
Newport Beach - Thecoma
San Diego (Naval Medical Center) - Fibroma/thecoma
San Francisco (University of California San Francisco) - Thecoma
Alabama, Mt. Olive - Fibrosarcoma
Georgia, Decatur - Fibrothecoma
Illinois (Heartland Regional Medical Center) - Thecoma
Illinois (Loyola University of Chicago) - Fibrothecoma
Kansas (Coffeyville Regional Medical Center) - Leiomyoma
Missouri (Ferguson Medical Laboratories) - Cellular fibroma
Nevada, Las Vegas - Thecoma
New York (Nassau University Medical Center) - Sex cord mesenchymal tumor
New York (Stony Brook University Medical Center) - Fibrothecoma
New York (SUNY Downstate Medical Center) - Cellular fibrothecoma
New York (Westchester Medical Center) - Fibroma/thecoma
New York, Youngstown - Fibrosarcoma
Pennsylvania (Conemaugh Hospital) - Fibrosarcoma

Pennsylvania (Drexel University of Medicine) - Fibrothecoma
Puerto Rico (University of Puerto Rico) - Sex cord stroma tumor/thecoma
Rhode Island (Brown University Residents) - Fibrothecoma
South Dakota (LCM Pathologists) - Fibrothecoma
Texas, Crystal Beach - Smooth muscle tumor (low grade sarcoma)
Texas, Lubbock - Thecoma
Texas (Scott & White Memorial Hospital) - Fibroma
Texas (Sugar Land) - Fibrosarcoma
Maryland (National Naval Medical Center) - Thecoma
Washington, DC - Thecoma
Wisconsin (St. Mary's Hospital) - Low grade fibrosarcoma, ovary
Australia (Sullivan Nicolaides Pathology) - Fibrothecoma
Canada (Pasqua Hospital) - Thecoma
Canada (Sherbrooke University Hospital) - Fibrothecoma
Hong Kong (Kwong Wah Hospital) - Thecoma
Japan (Asahi General Hospital) - Cellular fibroma
Japan (Gunma University) - Fibrosarcoma

Case 7 - Diagnosis:

Fibrosarcoma, ovary
T-87000, M-88103

Outside Consultation: Robert Young, M.D. (Massachusetts General Hospital; Boston, MA): "Fibrosarcoma, Grade II (of III).

Case 7 - References:

Kraemer BB, Silva EG, Snige N: Fibrosarcoma Of Ovary: A New Component In Nevoid Basal Cell Carcinoma Syndrome. *Am J Surg Pathol*, 1984; 8:231-6.
Miles PA, Kiley KC, Mena H: Giant Fibrosarcoma Of The Ovary. *Int J Gynecol Pathol*, 1985; 4:83-7.
Gultekin M, Dursun P, Ozyuncu O, et al. Primary Ovarian Fibrosarcoma. A Case Report and Review of the Literature. *Int J Gynecol Cancer* 2005; 15(6):1142-1147.
Irving JA, Alkushi A, Young RH, et al. Cellular Fibromas of the Ovary. A Study of 75 Cases Including 40 Mitotically Active Tumors Emphasizing Their Distinction from Fibrosarcoma. *Am J Surg Pathol* 2006; 30(8):929-938.
Kein WM and Kurman RJ. Lack of Expression of C-Kit Protein (CD117) in Mesenchymal Tumors of the Uterus and Ovary. *Int J Gynecol Pathol* 2003; 22(2):181-184.

Case No. 8 - Accession No. 30345 September, 2007

Canoga Park - Yolk sac tumor
Claremont - Yolk sac tumor
Escondido - Yolk sac tumor
Glendale - Yolk sac tumor
Los Angeles (USC Medical Center) - Juvenile granulosa cell tumor
Newport Beach - Yolk sac tumor
San Diego (Naval Medical Center) - Yolk sac tumor
San Francisco (University of California San Francisco) - Yolk sac tumor
Alabama, Mt. Olive - Germ cell tumor, possible yolk sac tumor
Georgia, Decatur - Yolk sac tumor
Illinois (Heartland Regional Medical Center) - Yolk sac tumor
Illinois (Loyola University of Chicago) - Yolk sac tumor
Kansas (Coffeyville Regional Medical Center) - Yolk sac tumor
Missouri (Ferguson Medical Laboratories) - Germ cell tumor, rule out poly embryoma
Nevada, Las Vegas - Yolk sac tumor
New York (Nassau University Medical Center) - Yolk sac tumor
New York (Stony Brook University Medical Center) - Yolk sac tumor
New York (SUNY Downstate Medical Center) - Yolk sac tumor
New York (Westchester Medical Center) - Yolk sac tumor
New York, Youngstown - Yolk sac tumor
Pennsylvania (Conemaugh Hospital) - Mixed germ cell tumor (yolk sac predominant)
Pennsylvania (Drexel University of Medicine) - Yolk sac tumor

Puerto Rico (University of Puerto Rico) - Yolk sac tumor
Rhode Island (Brown University Residents) - Yolk sac tumor
South Dakota (LCM Pathologists) - Yolk sac tumor
Texas, Crystal Beach - Endometriosis
Texas, Lubbock - Endometriosis
Texas (Scott & White Memorial Hospital) - Mixed germ cell tumor
Texas (Sugar Land) - Yolk sac tumor
Maryland (National Naval Medical Center) - Yolk sac tumor
Washington, DC - Yolk sac tumor
Wisconsin (St. Mary's Hospital) - Yolk sac tumor
Australia (Sullivan Nicolaides Pathology) - Yolk sac tumor
Canada (Pasqua Hospital) - Endodermal sinus tumor
Canada (Sherbrooke University Hospital) - Yolk sac tumor and embryonal carcinoma
Hong Kong (Kwong Wah Hospital) - Yolk sac tumor
Japan (Asahi General Hospital) - Yolk sac tumor
Japan (Gunma University) - Yolk sac tumor

Case 8 - Diagnosis:

Yolk sac tumor, ovary
T-87000, M-90713

Case 8 - References:

Nawa A, Dobala N, Kikawa F, et al: Prognostic Factors Of Patients With Yolk Sac Tumor Of The Ovary. *Am J Obstet Gynecol*, 2001; 184:1182-8.

Ulbright TM, Roth LM, Brodhecker CA: Yolk Sac Differentiation In Germ Cell Tumors: Morphologic Study Of 50 Cases With Emphasis Of Hepatic, Enteric And Parietal Yolk Sac Features. *Am J Surg Pathol*, 1986; 10:151-64.

Ramalingam P, Malpica A, Silva EG, et al. The Use of Cytokeratin 7 and EMA in Differentiating Ovarian Yolk Sac Tumors From Endometrioid and Clear Cell Carcinomas. *Am J Surg Pathol* 2004; 28(11):1499-1505.

McCluggage WG and Young RH. Immunohistochemistry as a Diagnostic Aid in the Evaluation of Ovarian Tumors. *Semin Diagn Pathol* 2005; 22(1):3-32.

Horiuchi F, Nagai Y, Kawamura A, et al. Cytologic Features of Functioning Stromal Cells in a Yolk Sac Tumor of the Ovary. A Case Report. *Acta Cytol* 2004; 48(1):83-86.

Dede M, Pabuccu R, Yagci G, et al. Extragonadal Yolk Sac Tumor in Pelvic Localization. A Case Report and Literature Review. *Gynecol Oncol* 2004; 92(3):989-991.

Case No. 9 - Accession No. 30278 September, 2007

Canoga Park - Cellular leiomyoma
Claremont - Leiomyosarcoma
Escondido - Leiomyosarcoma
Glendale - Myxoid leiomyosarcoma
Los Angeles (USC Medical Center) - Leiomyosarcoma
Newport Beach - Rhabdomyosarcoma
San Diego (Naval Medical Center) - Leiomyosarcoma
San Francisco (University of California San Francisco) - Myxoid leiomyosarcoma
Alabama, Mt. Olive - Myxoid leiomyosarcoma, well-differentiated
Georgia, Decatur - Epithelioid leiomyosarcoma
Illinois (Heartland Regional Medical Center) - Leiomyosarcoma
Illinois (Loyola University of Chicago) - Myxoid leiomyosarcoma
Kansas (Coffeyville Regional Medical Center) - Low grade leiomyosarcoma
Missouri (Ferguson Medical Laboratories) - Leiomyosarcoma
Nevada, Las Vegas - Myxoid leiomyosarcoma
New York (Nassau University Medical Center) - Lipoleiomyosarcoma
New York (Stony Brook University Medical Center) - Myxoid leiomyosarcoma
New York (SUNY Downstate Medical Center) - Myxoid leiomyosarcoma vs. low grade endometrial stromal sarcoma
New York (Westchester Medical Center) - Leiomyosarcoma
New York, Youngstown - Myxoid leiomyoma
Pennsylvania (Conemaugh Hospital) - Myxoid leiomyosarcoma
Pennsylvania (Drexel University of Medicine) - Leiomyosarcoma

Puerto Rico (University of Puerto Rico) - Myxoid leiomyosarcoma
Rhode Island (Brown University Residents) - Leiomyoma with hydrophic degeneration
South Dakota (LCM Pathologists) - Epitheliod leiomyosarcoma
Texas, Crystal Beach - Epithelioid leiomyoma (clear cell type)
Texas, Lubbock - Leiomyosarcoma
Texas (Scott & White Memorial Hospital) - Epithelioid leiomyoma
Texas (Sugar Land) - Leiomyosarcoma
Maryland (National Naval Medical Center) - Epithelioid leiomyoma
Washington, DC - Myxoid leiomyosarcoma
Wisconsin (St. Mary's Hospital) - Leiomyosarcoma
Australia (Sullivan Nicolaides Pathology) - Myxoid leiomyosarcoma
Canada (Pasqua Hospital) - Myxoid leiomyosarcoma
Canada (Sherbrooke University Hospital) - Myxoid leiomyosarcoma
Hong Kong (Kwong Wah Hospital) - Myxoid Leiomyosarcoma
Japan (Asahi General Hospital) - Myxoid leiomyosarcoma
Japan (Gunma University) - Leiomyosarcoma

Case 9 - Diagnosis:

Myxoid leiomyosarcoma, uterus
T-82000, M-88903

Case 9 - References:

Kunzl KE, Mills NZ, Muderspach LI, et al: Myxoid Leiomyosarcoma Of The Uterus. *Gynecol Oncol*, 1993; 48:277-80.
Atkins K, Bill S, Kempson AL, et al: Myxoid Smooth Muscle Neoplasms Of The Uterus. *Mod Pathol*, 2001; 14:132A.
Giuntoli RL, Metzinger DS, Di Marco CS, et al. Retrospective Review of 208 Patients with Leiomyosarcoma of the Uterus. Prognostic Indicators, Surgical Management, and Adjuvant Therapy. *Gynecol Oncol* 2003; 89(3):460-490.
Ng WK, Lui PC and Ma L. Peritoneal Washing Cytology Findings of Disseminated Myxoid Leiomyosarcoma of Uterus. Report of a Case with Emphasis on Possible Differential Diagnosis. *Diagn Cytopathol* 2002; 27(1):47-52.
Kagami S, Kashimura M, Toki N, et al. Myxoid Leiomyosarcoma of the Uterus with Subsequent Pregnancy and Delivery. *Gynecol Oncol* 2002; 85(3):538-542.
Botsis D, Koliopoulos C, Kondi-Pafitis A, et al. Myxoid Leiomyosarcoma of the Uterus in a Patient Receiving Tomoxifen Therapy. A Case Report. *Int J Gynecol Pathol* 2006; 25(2):173-175.

Case No. 10 - Accession No. 30284 September, 2007

Canoga Park - Borderline mucinous tumor
Claremont - Serous carcinoma
Escondido - Papillary mucinous cystadenocarcinoma
Glendale - Mucinous tumor of LMP
Los Angeles (USC Medical Center) - Mucinous cystadenocarcinoma vs. metastatic mucinous carcinoma
Newport Beach - Metastatic adenocarcinoma
San Diego (Naval Medical Center) - Mucinous adenocarcinoma/favor ovarian
San Francisco (University of California San Francisco) - Mucinous tumor, borderline
Alabama, Mt. Olive - Endometrioid adenocarcinoma arising within the background of endometriosis
Georgia, Decatur - Endometrioid adenocarcinoma
Illinois (Heartland Regional Medical Center) - Well-differentiated mucinous adenocarcinoma (need to rule out metastasis especially from GI tract)
Illinois (Loyola University of Chicago) - Papillary carcinoma arising in struma ovarii
Kansas (Coffeyville Regional Medical Center) - Papillary mucinous cystadenoma
Missouri (Ferguson Medical Laboratories) - Endometrioid carcinoma
Nevada, Las Vegas - Mucinous borderline tumor
New York (Nassau University Medical Center) - Krukenberg's tumor
New York (Stony Brook University Medical Center) - Borderline sero-mucinous tumor arising in endometriosis
New York (SUNY Downstate Medical Center) - Myxoid leiomyosarcoma vs. low grade endometrial
New York (Westchester Medical Center) - Mucinous carcinoma vs. metastatic tumor from GI tract
New York, Youngstown - Endometrioid carcinoma
Pennsylvania (Conemaugh Hospital) - Mucinous cystadenocarcinoma
Pennsylvania (Drexel University of Medicine) - Mucinous cystadenocarcinoma
Puerto Rico (University of Puerto Rico) - Borderline mucinous tumor
Rhode Island (Brown University Residents) - Endometrioid carcinoma

South Dakota (LCM Pathologists) - Mucinous borderline tumor (LMP)
Texas, Crystal Beach - Mucinous cystadenoma
Texas, Lubbock - Mucinous adenocarcinoma
Texas (Scott & White Memorial Hospital) - Endometrioid adenocarcinoma
Texas (Sugar Land) - Endometrioid adenocarcinoma
Maryland (National Naval Medical Center) - Mucinous cystadenocarcinoma
Washington, DC - Mucinous carcinoma (endocervical-like type)
Wisconsin (St. Mary's Hospital) - Mucinous tumor favor adenocarcinoma
Australia (Sullivan Nicolaides Pathology) - Endometrioid carcinoma
Canada (Pasqua Hospital) - Metastatic adenocarcinoma
Canada (Sherbrooke University Hospital) - Adenofibroma (endometrioid and mucineous) borderline
Hong Kong (Kwong Wah Hospital) - Mucinous cystadenocarcinoma, needs to exclude metastatic adenocarcinoma
Japan (Asahi General Hospital) - Borderline mucinous tissue, endocervical-like
Japan (Gunma University) - Atypical proliferative endometrial tumor with intraepithelial carcinoma

Case 10 - Diagnosis:

Mucinous cystadenocarcinoma, ovaries
T-87000, M-84703

Case 10 - References:

Ludwick C, Gulks B, Miller D, et al: Aggressive Stage I Ovarian Mucinous Tumors Lacking Extensive Infiltrative Invasion: A Report Of Four Cases And Review Of The Literature. *In J Gynecol Pathol* 2005, 24(3):205-17.

Colin JR, Stewart BA, Brennan IG, et al: Accuracy Of Frozen Section In Distinguishing Ovarian Neoplasia From Tumors Metastatic To The Ovary. *Int J Gynecol Pathol*, 2005 Oct; 24:356-62.

Acs G. Serous and Mucinous Borderline (Low Malignant Potential) Tumors of the Ovary. *Am J Clin Pathol* 2005; 123 Suppl (pS13-57).

Nezhat F, Slomovitz BM, Saiz AD, et al. Ovarian Mucinous Cystadenocarcinoma with Virilization. *Gynecol Oncol* 2002; 84(3):468-472.

Ronnett BM, Kajdacsy-Balla A, Gilks CB, et al. Mucinous Borderline Ovarian Tumors. Points of General Agreement and Persistent Controversies Regarding Nomenclature, Diagnostic Criteria, and Behavior. *Hum Pathol* 2004; 35(8):949-960.