



CALIFORNIA
TUMOR TISSUE REGISTRY

“INTERESTING GYN NEOPLASMS”

Minutes – Subscription B

May, 2005



SUGGESTED READING (General Topics from Recent Literature):

Esthesioneuroblastoma: Endoscopic Nasal and Anterior Craniotomy Resection. Devaiah AK, Larsen C, Tawfik O, et al: *The Laryngoscope*, 2003 Dec; 113:2086-90.

Merkel Cell Carcinoma. Mendenhall WM, Mendenhall CM, Mendenhall NP. *Laryngoscope*, 2004 May; 114:906-10.

Von Recklinghausen's Neurofibromatosis: Neurofibromatosis Type 1. Reynolds RM, Browning GGP, Nawroz I, Campbell IW. *Lancet*, 2003 May 3; 361:1552-54

Management Of Metastatic Cutaneous Melanoma. Buzaid AC. *Oncol*, 2004 Oct; 18(11);1443-61.

Was Darwin Wrong? No. The Evidence For Evolution Is Overwhelming. Quammen D. *National Geographic*, 2004 Nov; 206(5):2-31.

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FILE DIAGNOSES

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CTTR Subscription B

May, 2005

Case 1:

**Invasive (Complete) Hydatidiform Mole, Uterus
T-82000, M-9100/0**

Case 2:

**Mullerian Adenosarcoma With Rhabdomyosarcomatous Features And Focal Yolk Sac
Tumor, Ovary
T-87000, M-8960/3**

Case 3:

**Cellular Fibroma (Fibrothecoma), Ovary
T-87000, M-8810/0**

Case 4:

**Juvenile Granulosa Cell Tumor, Ovary
T-87000, M-8620/1**

Case 5:

**Adult Granulosa Cell Tumor, Ovary
T-87000, M-8620/1**

Case 6:

**Papillary Serous Cystadenocarcinoma, Ovary
T-87000, M-8460/3**

Case 7:

**Clear Cell Carcinoma, Ovary
T-87000, M-8310/3**

Case 8:

**Strumal Carcinoid, Ovary
T-87000, M-9091/1**

Case 9:

**High Grade Sarcoma (Favor Endometrial Stromal Sarcoma), Uterus
T-82000, M-8930/3**

Case 10:

**Symplastic (“Atypical” Or “Bizarre”) Leiomyoma, Uterus
T-82000, M-8890/0**

Escondido - Invasive mole
Glendale - Invasive mole
Granada Hills - Hydatidiform mole (complete mole)
Orange (UCI Medical Center Residents) - Invasive mole
Sacramento (UC Davis Medical Center) - Invasive mole
San Francisco (San Francisco General Hospital) - Complete hydatidiform mole
Arizona (Phoenix Memorial Hospital) - Hydatidiform mole, complete
Florida (Munroe Regional Medical Center) - Complete mole
Florida (Winter Haven Hospital) - Complete hydatidiform mole
Georgia, Decatur - Complete mole
Illinois (Heartland Regional Medical Center) - Complete hydatidiform mole, invasive
Kansas (Coffeyville Regional Medical Center) - Invasive hydatidiform mole with atypia
Kentucky (University of Louisville Hospital) - Invasive mole
Maryland (National Naval Medical Center) - Invasive mole
Maryland (University of Maryland Medical Center) - Complete mole
New York (Nassau University Medical Center) - Hydatidiform mole
New York (SUNY Stony Brook Residents) - Invasive complete hydatidiform mole
North Carolina (Wake Forest University Medical Center) - Invasive mole
North Carolina (Womack Army Medical Center) - Invasive mole (4)
North Carolina, Winston-Salem - Invasive mole (1); Invasive hydatidiform mole (1)
Ohio (Medical University of Ohio at Toledo) - Invasive hydatidiform mole
Pennsylvania (Allegheny General Hospital) - Hydatidiform mole
Pennsylvania (Drexel University College of Medicine) - Invasive hydatidiform mole
Pennsylvania (Memorial Medical Center) - Choriocarcinoma
Texas (Scott & White Hospital) - Invasive hydatidiform mole
Texas, Lubbock - Invasive hydatidiform mole
Texas, Sugarland - Invasive hydatidiform mole
Washington, D.C. - Invasive mole
Canada (Woodstock General Hospital) - Invasive hydatidiform mole, uterus
China (Sir Run Run Shaw Hospital) - Invasive hydatidiform mole
Japan (Asahi General Hospital) - Invasive mole, uterus
Japan (Gunma University Hospital) - Invasive hydatidiform mole
Japan (Hamamatsu University School of Medicine) - Invasive hydatidiform mole
Puerto Rico (University of Puerto Rico) - Invasive hydatidiform mole
Qatar, Doha - Complete hydatidiform mole
Spain (Povisa) - Invasive mola
The Netherlands, Amstelveen - Mola destruens (1); (Invasive) complete hydatidiform mole (10)

Case 1 - Diagnosis:

Invasive (Complete) Hydatidiform Mole, Uterus
T-82000, M-9100/0

Case 1 - References:

Coukos G, Makrigiannakis A, Chung J, et al: Complete Hydatidiform Mole. A Disease with a Changing Profile. *J Reprod Med*, 1999 Aug; 44(8):698-704.
 Heath JM, Bu TH, Brereton WF: Hydatidiform Moles. *Am Fam Physician*, 1985 May; 31(5):123-31.
 Sukcharoen N, Mutirangura A, Limpongsanurak S: Telomerase Activity in Complete Hydatidiform Mole. *J Reprod Med*, 1999 May; 44(5):465-70.
 Mungan T, Kescu E, Dabakoglu T, et al: Hydatidiform Mole: Clinical Analysis of 310 Patients. *Int J Gynaecol Obstet*, 1996 Mar; 52(3):233-6.
 Jauniaux E, Nicolaides KH: Early Ultrasound Diagnosis and Follow-Up of Molar Pregnancies. *Ultrasound Obstet Gynecol*, 1997 Jan; 9(1):17-21.
 Lurain JR, Brewer JJ, Torok EE, Halpern B: Natural History of Hydatidiform Mole after Primary Evacuation. *Am J Obstet Gynecol*, 1983 Mar 1; 145(5):591-5.

Escondido - Yolk sac tumor and mature teratoma
Glendale - Yolk sac tumor
Granada Hills - Yolk sac tumor
Orange (UCI Medical Center Residents) - Yolk sac tumor
Sacramento (UC Davis Medical Center) - Mixed germ cell tumor with 99% yolk sac tumor, 1% teratoma
San Francisco (San Francisco General Hospital) - Sertoli-Leydig cell tumor, intermediate to poorly-differentiated
Arizona (Phoenix Memorial Hospital) - Yolk sac tumor (endodermal sinus tumor)
Florida (Munroe Regional Medical Center) - Yolk sac tumor
Florida (Winter Haven Hospital) - Endodermal sinus tumor
Georgia, Decatur - Yolk sac tumor
Illinois (Heartland Regional Medical Center) - Yolk sac tumor
Kansas (Coffeyville Regional Medical Center) - Yolk sac tumor (endodermal sinus pattern)
Kentucky (University of Louisville Hospital) - Teratocarcinoma vs yolk sac tumor
Maryland (National Naval Medical Center) - Yolk sac tumor
Maryland (University of Maryland Medical Center) - Yolk sac tumor
New York (Nassau University Medical Center) - Mixed germ cell tumor, predominantly yolk sac tumor
New York (SUNY Stony Brook Residents) - Yolk sac tumor
North Carolina (Wake Forest University Medical Center) - Yolk sac tumor
North Carolina (Womack Army Medical Center) - Yolk sac tumor (4)
North Carolina, Winston-Salem - Yolk sac tumor (2)
Ohio (Medical University of Ohio at Toledo) - Yolk sac tumor
Pennsylvania (Allegheny General Hospital) - Endodermal sinus tumor (yolk sac)
Pennsylvania (Drexel University College of Medicine) - Yolk sac tumor
Pennsylvania (Memorial Medical Center) - Yolk sac tumor
Texas (Scott & White Hospital) - Mixed germ cell tumor with predominant yolk sac
Texas, Lubbock - Yolk sac tumor
Texas, Sugarland - Yolk sac tumor
Washington, D.C. - Yolk sac tumor
Canada (Woodstock General Hospital) - Yolk sac tumor, ovary
China (Sir Run Run Shaw Hospital) - Yolk sac tumor
Japan (Asahi General Hospital) - Yolk sac tumor, ovary
Japan (Gunma University Hospital) - Yolk sac tumor
Japan (Hamamatsu University School of Medicine) - Yolk sac tumor
Puerto Rico (University of Puerto Rico) - Yolk sac tumor, arising in a teratoma
Qatar, Doha - Endodermal sinus tumor
Spain (Povisa) - Yolk sac tumor
The Netherlands, Amstelveen - Germ cell tumor (yolk sac tumor) (1); Yolk sac tumor (1)

Case 2 - Diagnosis:

**Mullerian Adenosarcoma Of Ovary With Rhabdomyosarcomatous Features And Focal Yolk Sac Tumor, Ovary
T-87000, M-8960/3**

Outside Consult: Robert Young, M.D. (Massachusetts General Hospital): Mullerian adenosarcoma of ovary with rhabdomyosarcomatous features and focal yolk sac tumor.

Case 2 - References:

Eichhorn JH, Young RH, Clement PB: Mesodermal (Mullerian) Adenosarcoma of the Ovary. A Clinicopathologic Analysis of 40 Cases And Review Of The Literature. Am J Surg Pathol, 2002; 26(10):1243-58.
Pedro A, De Brito MD, Silverberg SG, Orenstein JM: Carcinosarcoma (Malignant Mixed Mullerian Mesodermal Tumor) of the Female Genital Tract. Immunohistochemical and Ultrastructural Analysis of 28 Cases. Hum Pathol, 1993; 24:132-42.
Boucher D, Tetu B: Morphologic Prognostic Factors Of Malignant Mixed Mullerian Tumor Of The Ovary: A Clinicopathologic Study Of 15 Cases. Int J Gynecol Pathol, 1994; 13:22-28.

Escondido - Fibroma
Glendale - Thecoma
Granada Hills - Thecoma
Orange (UCI Medical Center Residents) - Fibrothecoma
Sacramento (UC Davis Medical Center) - Fibrothecoma
San Francisco (San Francisco General Hospital) - Fibroma thecoma
Arizona (Phoenix Memorial Hospital) - Cellular fibroma
Florida (Munroe Regional Medical Center) - Fibroma
Florida (Winter Haven Hospital) - Fibroma
Georgia, Decatur - Fibrothecoma
Illinois (Heartland Regional Medical Center) - Cellular fibroma
Kansas (Coffeyville Regional Medical Center) - Leiomyoma, ovary
Kentucky (University of Louisville Hospital) - Fibroma-thecoma
Maryland (National Naval Medical Center) - Cellular fibroma
Maryland (University of Maryland Medical Center) - Fibroma
New York (Nassau University Medical Center) - Cellular fibroma
New York (SUNY Stony Brook Residents) - Cellular fibroma
North Carolina (Wake Forest University Medical Center) - Cellular fibroma
North Carolina (Womack Army Medical Center) - Fibroma (4)
North Carolina, Winston-Salem - Cellular fibroma (2)
Ohio (Medical University of Ohio at Toledo) - Fibroma
Pennsylvania (Allegheny General Hospital) - Cellular fibroma
Pennsylvania (Drexel University College of Medicine) - Cellular fibroma
Pennsylvania (Memorial Medical Center) - Fibroma
Texas (Scott & White Hospital) - Fibroma
Texas, Lubbock - Fibroma
Texas, Sugarland - Cellular fibroma
Washington, D.C. - Fibroma
Canada (Woodstock General Hospital) - Cellular fibroma, ovary
China (Sir Run Run Shaw Hospital) - Fibroma
Japan (Asahi General Hospital) - Fibroma, ovary
Japan (Gunma University Hospital) - Fibroma
Japan (Hamamatsu University School of Medicine) - Fibrosarcoma
Puerto Rico (University of Puerto Rico) - Fibroma/Fibrothecoma
Qatar, Doha - Cellular fibroma/thecoma
Spain (Povisa) - Cellular fibroma
The Netherlands, Amstelveen - Fibrothecoma (1); Cellular fibroma (1)

CASE 3 - Diagnosis:

Cellular Fibroma (Fibrothecoma), Ovary

T-87000, M-8810/0

Case 3 - References:

Takeshita T, Shima Hideki, Oishi Sonomi, et al: Ovarian Fibroma (Fibrothecoma) With Extensive Cystic Degeneration: Unusual MR Imaging Findings In Two Cases. *Radiat Med*, 2005 Feb; 23(1):70-4.
Valle Virgen O, Valdes Banda-Gomez F, Valenzuela Espinoza A: Ovarian Fibroma. Report Of Two Cases; Familial Incidence? . *Ginecol Obstet Mex*, 1997 Oct; 65:442-5.
Smith LM, Hu P, Meyer LJ, Coffin CM: Complex Karyotypic Abnormality In Ovarian Fibroma Associated With Gorlin Syndrome. *Am J Med Genet*, 2002 Sep 15; 112(1):61-4.

Escondido - Juvenile granulosa cell tumor
Glendale - Juvenile granulosa cell tumor
Granada Hills - Dysgerminoma

Orange (UCI Medical Center Residents) - Juvenile granulosa cell tumor
Sacramento (UC Davis Medical Center) - Juvenile granulosa cell tumor
San Francisco (San Francisco General Hospital) - Malignant steroid cell tumor
Arizona (Phoenix Memorial Hospital) - Sertoli-Leydig cell tumor
Florida (Munroe Regional Medical Center) - Luteinized thecoma
Florida (Winter Haven Hospital) - Steroid cell tumor
Georgia, Decatur - Juvenile granulosa cell tumor
Illinois (Heartland Regional Medical Center) - Juvenile granulosa cell tumor
Kansas (Coffeyville Regional Medical Center) - Juvenile granulosa cell tumor
Kentucky (University of Louisville Hospital) - Juvenile granulosa cell tumor vs small cell carcinoma, hypercalcemic type
Maryland (National Naval Medical Center) - Juvenile granulosa cell tumor
Maryland (University of Maryland Medical Center) - Juvenile granulosa cell tumor
New York (Nassau University Medical Center) - Granulosa cell tumor, juvenile
New York (SUNY Stony Brook Residents) - Juvenile granulosa cell tumor
North Carolina (Wake Forest University Medical Center) - Juvenile granulosa cell tumor
North Carolina (Womack Army Medical Center) - Juvenile granulosa cell tumor (4)
North Carolina, Winston-Salem - Juvenile granulosa cell tumor (2)
Ohio (Medical University of Ohio at Toledo) - Juvenile granulosa cell tumor
Pennsylvania (Allegheny General Hospital) - Juvenile granulosa cell tumor
Pennsylvania (Drexel University College of Medicine) - Juvenile granulosa cell tumor
Pennsylvania (Memorial Medical Center) - Sertoli tumor
Texas (Scott & White Hospital) - Granulosa cell tumor, juvenile
Texas, Lubbock - Juvenile granulosa cell tumor
Texas, Sugarland - Juvenile granulosa cell tumor
Washington, D.C. - Juvenile granulosa cell tumor
Canada (Woodstock General Hospital) - Juvenile granulosa cell tumor, ovary
China (Sir Run Run Shaw Hospital) - Juvenile granulosa tumor
Japan (Asahi General Hospital) - Sertoli-Leydig cell tumor, ovary
Japan (Gunma University Hospital) - Juvenile granulosa cell tumor
Japan (Hamamatsu University School of Medicine) - Juvenile granulosa cell tumor
Puerto Rico (University of Puerto Rico) - Juvenile granulosa tumor
Qatar, Doha - Juvenile granulosa cell tumor
Spain (Povisa) - Dysgerminoma
The Netherlands, Amstelveen - Juvenile granulosa cell tumor (2)

Case 4 - Diagnosis:

Juvenile Granulosa Cell Tumor, Ovary
T-87000, M-8620/1

Outside Consultation: AFIP – Juvenile Granulosa Cell Tumor

Case 4 - References:

Santala M, Suvanto-Luukkonen E, Kyllonen A, et al: Hyperprolactinemia Complicating Juvenile Granulosa Cell Tumor of the Ovary. *Gynecol Oncol*, 2001 Aug; 82(2):389-91.
 Fink D, Kubik-Huch RA, Wildermuth S: Juvenile Granulosa Cell Tumor. *Abdom Imaging*, 2001 Sep-Oct, 26(5):550-2.
 Cass DL, Hawkins E, Brandt ML, et al: Surgery For Ovarian Masses In Infants, Children, and Adolescents: 102 Consecutive Patients Treated in a 15-Year Period. *J Pediatr Surg*, 2001 May; 36(5):693-9.
 Powell JL, Connor GP, Henderson GS: Management of Recurrent Juvenile Granulosa Cell Tumor of the Ovary. *Gynecol Oncol*, 2001 Apr; 81(1):113-6.
 Daubenton JD, Sinclair-Smith C: Severe Hypercalcemia in Association With a Juvenile Granulosa Cell Tumor of the Ovary. *Med Pediatric Oncol*, 2000 Apr; 34(4):301-3.
 Kitamura Y, Kanegawa K, Muraji T, Sugimura K: MR Imaging of Juvenile Granulosa Cell Tumour of the Ovary: A Case Report. *Pediatric Radiol*, 2000 May; 30(5):360.

Case No. 5 - Accession No. 29916

May, 2005

Escondido - Undifferentiated carcinoma
Glendale - Adult granulosa cell tumor

Granada Hills - Granulosa cell tumor
Orange (UCI Medical Center Residents) - Granulosa cell tumor, adult type
Sacramento (UC Davis Medical Center) - Adult granulosa cell tumor
San Francisco (San Francisco General Hospital) - Granulosa cell tumor
Arizona (Phoenix Memorial Hospital) - Small cell carcinoma
Florida (Munroe Regional Medical Center) - Thecoma
Florida (Winter Haven Hospital) - Granulosa cell tumor
Georgia, Decatur - Adult granulosa cell tumor
Illinois (Heartland Regional Medical Center) - Adult granulosa cell tumor
Kansas (Coffeyville Regional Medical Center) - Adult granulosa cell tumor
Kentucky (University of Louisville Hospital) - Sertoli-Leydig tumor vs granulosa cell tumor
Maryland (National Naval Medical Center) - Adult granulosa cell tumor
Maryland (University of Maryland Medical Center) - Adult granulosa cell tumor
New York (Nassau University Medical Center) - Granulosa cell tumor, adult
New York (SUNY Stony Brook Residents) - Adult granulosa cell tumor
North Carolina (Wake Forest University Medical Center) - Adult granulosa cell tumor
North Carolina (Womack Army Medical Center) - Granulosa cell tumor (4)
North Carolina, Winston-Salem - Adult granulosa cell tumor (2)
Ohio (Medical University of Ohio at Toledo) - Adult granulosa cell tumor
Pennsylvania (Allegheny General Hospital) - Adult granulosa cell tumor
Pennsylvania (Drexel University College of Medicine) - adult granulosa cell tumor
Pennsylvania (Memorial Medical Center) - Granulosa cell tumor
Texas (Scott & White Hospital) - Granulosa cell tumor, adult
Texas, Lubbock - Granulosa cell tumor
Texas, Sugarland - Sertoli-Leydig cell tumor
Washington, D.C. - Granulosa cell tumor
Canada (Woodstock General Hospital) - Adult granulosa cell tumor, ovary
China (Sir Run Run Shaw Hospital) - Adult granulosa tumor
Japan (Asahi General Hospital) - Malignant Brenner tumor, ovary
Japan (Gunma University Hospital) - Adult granulosa cell tumor
Japan (Hamamatsu University School of Medicine) - Adult granulosa cell tumor
Puerto Rico (University of Puerto Rico) - Adult granulosa tumor
Qatar, Doha - Adult granulosa cell tumor
Spain (Povisa) - Adult granulosa cell tumor
The Netherlands, Amstelveen - Adult granulosa cell tumor (2)

Case 5 - Diagnosis:

Adult Granulosa Cell Tumor, Ovary
T-87000, M-8620/1

Case 5 - References:

Fujimoto T, Sakuragi N, Okuyama K, et al: Histopathological Prognostic Factors of Adult Granulosa Cell Tumors of the Ovary. *Acta Obstet Gynecol Scand*, 2001 Nov; 80(11):1069-74.
 Castro CY, Malpica A, Hearne RH, et al: Androgenic Adult Granulosa Cell Tumor in a 13-Year-Old Prepubertal Patient: A Case Report and Review of the Literature. *Int J Gynecol Pathol*, 2000 Jul; 19(3):266-71. Review. Erratum in: *Int J Gynecol Pathol*, 2001 Apr; 20(2):210.
 Suzuki M, Ohwada M, Saga Y, et al: DNA Replication Error Is Frequent in Ovarian Granulosa Cell Tumors. *Cancer Genet Cytogenet*, 2000 Oct 1; 122(1):55-8.
 Rey R, Sabourin JC, Venara M, et al: Anti-Mullerian Hormone Is a Specific Marker of Sertoli- and Granulosa-Cell Origin in Gonadal Tumors. *Hum Pathol*, 2000 Oct; 31(10):1202-8.
 Outwater EK, Marchetto B, Wagner BJ: Virilizing Tumors of the Ovary: Imaging Features. *Ultrasound Obstet Gynecol*, 2000 May; 15(5):365-71.

Case No. 6 - Accession No. 29970

May, 2005

Escondido - Serous cystadenocarcinoma
Glendale - Clear cell carcinoma
Granada Hills - Leydig cell tumor
Orange (UCI Medical Center Residents) - Sertoli cell tumor, malignant

Sacramento (UC Davis Medical Center) - Sertoli cell tumor
San Francisco (San Francisco General Hospital) - Endometrioid adenocarcinoma
Arizona (Phoenix Memorial Hospital) - Endometrioid carcinoma
Florida (Munroe Regional Medical Center) - Papillary serous adenocarcinoma
Florida (Winter Haven Hospital) - Endometrioid carcinoma
Georgia, Decatur - Adenocarcinoma, rule out metastases
Illinois (Heartland Regional Medical Center) - Endometrioid adenocarcinoma, Grade II
Kansas (Coffeyville Regional Medical Center) - Endometrioid adenocarcinoma, ovaries
Kentucky (University of Louisville Hospital) - Endometrioid carcinoma vs Sertoli-Leydig tumor
Maryland (National Naval Medical Center) - Endometrioid carcinoma
Maryland (University of Maryland Medical Center) - Sertoli cell tumor, moderate to poorly-differentiated
New York (Nassau University Medical Center) - Adenocarcinoma, well-differentiated, likely endometrioid
New York (SUNY Stony Brook Residents) - Endometrioid adenocarcinoma
North Carolina (Wake Forest University Medical Center) - Endometrioid adenocarcinoma
North Carolina (Womack Army Medical Center) - Sertoli cell tumor (4)
North Carolina, Winston-Salem - Endometrioid carcinoma (2)
Ohio (Medical University of Ohio at Toledo) - Endometrioid carcinoma
Pennsylvania (Allegheny General Hospital) - Sertoli cell tumor
Pennsylvania (Drexel University College of Medicine) - Atypical carcinoid tumor
Pennsylvania (Memorial Medical Center) - Sertoli-Leydig cell tumor
Texas (Scott & White Hospital) - Endometrioid adenocarcinoma
Texas, Lubbock - Papillary serous carcinoma
Texas, Sugarland - Endometrioid adenocarcinoma
Washington, D.C. - Endometrial carcinoma
Canada (Woodstock General Hospital) - Metastatic adenocarcinoma, ovary
China (Sir Run Run Shaw Hospital) - Sertoli cell tumor
Japan (Asahi General Hospital) - Endometrioid adenocarcinoma, ovary
Japan (Gunma University Hospital) - Endometrioid adenocarcinoma
Japan (Hamamatsu University School of Medicine) - Serous adenocarcinoma
Puerto Rico (University of Puerto Rico) - Papillary serous adenocarcinoma
Qatar, Doha - Endometrioid adenocarcinoma (4); Sertoli cell tumor (4)
Spain (Povisa) - Endometrioid adenocarcinoma
The Netherlands, Amstelveen - Adenocarcinoma (rule out a metastasis) (1); Endometrioid adenocarcinoma (1)

Case 6 - Diagnosis:

Papillary Serous Cystadenocarcinoma, Ovary T-87000, M-8460/3

Case 6 - References:

Shaco-Levy R, Manor E, Piura B, Ilana A: An Unusual Composite Endometrial Tumor Combining Papillary Serous Carcinoma And Small Cell Carcinoma. *Am J Surg Pathol*, 2004 Aug; 28(8):1103-6.
 Seidman JD, Horkayne-Szakaly I, Haiba M, et al: The Histologic Type And Stage Distribution Of Ovarian Carcinomas Of Surface Epithelial Origin. *Int J Gynecol Pathol*, 2004 Jan; 23(1):41-4.
 Pitkin RM: The Biologic Behavior Of Low-Grade Papillary Serous Carcinoma. *Obstet Gynecol*, 2003 Sep; 102(3):452.
 Julian CG, Woodruff JD: The Biologic Behavior Of Low Grade Papillary Serous Carcinoma. *Obstet Gynecol*, 1972 Dec; 40(6):860-7.

Case No. 7 - Accession No. 29987

May, 2005

Escondido - Anaplastic carcinoma
Glendale - Serous carcinoma
Granada Hills - Papillary serous carcinoma
Orange (UCI Medical Center Residents) - Adenocarcinoma with chemotherapy effect
Sacramento (UC Davis Medical Center) - Serous carcinoma with treatment effect
San Francisco (San Francisco General Hospital) - Poorly-differentiated carcinoma with chemotherapy effect
Arizona (Phoenix Memorial Hospital) - Choriocarcinoma
Florida (Munroe Regional Medical Center) - Papillary serous tumor - borderline
Florida (Winter Haven Hospital) - Papillary serous adenocarcinoma

Georgia, Decatur - Poorly-differentiated carcinoma
Illinois (Heartland Regional Medical Center) - Endometrioid adenocarcinoma, Grade II
Kansas (Coffeyville Regional Medical Center) - Adenocarcinoma with hepatoid features
Kentucky (University of Louisville Hospital) - Serous papillary carcinoma with treatment effect vs anaplastic carcinoma
Maryland (National Naval Medical Center) - Serous papillary carcinoma
Maryland (University of Maryland Medical Center) - Clear cell carcinoma
New York (Nassau University Medical Center) - Papillary serous adenocarcinoma with therapeutic effect
New York (SUNY Stony Brook Residents) - Carcinoma with chemotherapy effect
North Carolina (Wake Forest University Medical Center) - Adenocarcinoma with treatment effect
North Carolina (Womack Army Medical Center) - Clear cell carcinoma (4)
North Carolina, Winston-Salem - Clear cell adenocarcinoma with chemotherapy effect (1); Papillary serous carcinoma with anaplastic differentiation (1)
Ohio (Medical University of Ohio at Toledo) - Serous papillary cystadenocarcinoma
Pennsylvania (Allegheny General Hospital) - Poorly-differentiated undifferentiated carcinoma
Pennsylvania (Drexel University College of Medicine) - Mucinous carcinoma, high grade
Pennsylvania (Memorial Medical Center) - Malignant Leydig cell tumor
Texas (Scott & White Hospital) - Oxyphilic clear cell carcinoma
Texas, Lubbock - Papillary serous carcinoma
Texas, Sugarland - Embryonal carcinoma
Washington, D.C. - Papillary adenocarcinoma, anaplastic
Canada (Woodstock General Hospital) - Undifferentiated carcinoma, ovary
China (Sir Run Run Shaw Hospital) - Serous carcinoma, Grade IV, resembling choriocarcinoma
Japan (Asahi General Hospital) - Hepatoid carcinoma, ovary
Japan (Gunma University Hospital) - Serous adenocarcinoma, high grade
Japan (Hamamatsu University School of Medicine) - Mucinous adenocarcinoma
Puerto Rico (University of Puerto Rico) - Anaplastic adenocarcinoma with chemotherapy changes
Qatar, Doha - High grade carcinoma of probable serous origin with chemotherapy induced changes
Spain (Povisa) - Undifferentiated papillary carcinoma
The Netherlands, Amstelveen - Serous adenocarcinoma and chemotherapy effects (1); Mucinous adenocarcinoma (1)

Case 7 - Diagnosis:

Clear Cell Carcinoma, Ovary
T-87000, M-8310/3

Case 7 - References:

Giblin J, Fanucchi MP, McGuire WP: Clear Cell Carcinoma of the Ovary: A Remarkable Case. *Am J Clin Oncol*, 2001 Feb; 24(1):99-100.
 Nishida T, Sugiyama T: Second-Look Operation in Clear Cell Carcinoma of the Ovary. *Int J Gynaecol Obstet*, 1997 Sep; 58(3):331-2.
 Kita T, Kikuchi Y, Kudoh K, et al: Exploratory Study of Effective Chemotherapy To Clear Cell Carcinoma of the Ovary. *Oncol Rep*, 2000 Mar-Apr; 7(2):327-31.
 Bahri I, Boudawara T, Khabir A, et al: Clear Cell Carcinoma of the Ovary Simulating A Yolk Sac Tumor. *Ann Pathol*, 2003 Apr; 23(2):165-8.

Case No. 8 - Accession No. 29979

May, 2005

Escondido - Strumal carcinoid
Glendale - Struma carcinoid
Granada Hills - Strumal carcinoid and epidermoid cyst
Orange (UCI Medical Center Residents) - Teratoma with struma carcinoid
Sacramento (UC Davis Medical Center) - Immature teratoma
San Francisco (San Francisco General Hospital) - Struma ovarii
Arizona (Phoenix Memorial Hospital) - Ovarian insular carcinoid with struma ovarii and benign cystic teratoma
Florida (Munroe Regional Medical Center) - Struma carcinoid
Florida (Winter Haven Hospital) - Mature teratoma with strumal carcinoid
Georgia, Decatur - Strumal carcinoid in immature teratoma
Illinois (Heartland Regional Medical Center) - Strumal carcinoid tumor
Kansas (Coffeyville Regional Medical Center) - Teratoma with thyroid and epithelial components
Kentucky (University of Louisville Hospital) - Mature teratoma with malignant transformation vs malignant strumal carcinoid

Maryland (National Naval Medical Center) - Strumal carcinoid
Maryland (University of Maryland Medical Center) - Strumal carcinoid
New York (Nassau University Medical Center) - Strumal carcinoid
New York (SUNY Stony Brook Residents) - Ovarian stromal carcinoid tumor
North Carolina (Wake Forest University Medical Center) - Immature teratoma
North Carolina (Womack Army Medical Center) - Strumal carcinoid (4)
North Carolina, Winston-Salem - Immature teratoma (1); Strumal carcinoid (1)
Ohio (Medical University of Ohio at Toledo) - Strumal carcinoid with mature cystic teratoma
Pennsylvania (Allegheny General Hospital) - Strumal carcinoma and undifferentiated carcinoma arising in dermoid cyst
Pennsylvania (Drexel University College of Medicine) - Teratoma with malignant transformation
Pennsylvania (Memorial Medical Center) - Strumal carcinoid
Texas (Scott & White Hospital) - Mature teratoma with strumal carcinoid
Texas, Lubbock - Teratoma with struma carcinoid and granulosa cell tumor
Texas, Sugarland - Strumal carcinoid
Washington, D.C. - Strumal carcinoid
Canada (Woodstock General Hospital) - Strumal carcinoid with malignant neuroendocrine component, ovary
China (Sir Run Run Shaw Hospital) - Malignant teratoma
Japan (Asahi General Hospital) - Strumal carcinoid, ovary
Japan (Gunma University Hospital) - Struma ovarii
Japan (Hamamatsu University School of Medicine) - Struma ovarii
Puerto Rico (University of Puerto Rico) - Struma ovarii/Medullary adenocarcinoma
Qatar, Doha - Strumal carcinoid within a cystic teratoma
Spain (Povisa) - Stromal carcinoid tumor
The Netherlands, Amstelveen - Strumal carcinoid (1); Struma ovarii (1)

Case 8 - Diagnosis:

Strumal Carcinoid, Ovary
T-87000, M-9091/1

Case 8 - References:

Kimura N, Sasano N, Namiki T: Evidence of Hybrid Cell of Thyroid Follicular Cell and Carcinoid Cell in Strumal Carcinoid. *Int J Gynecol Pathol*, 1986; 5(3):269-77.
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 Baker PM, Oliva E, Young RH, et al: Ovarian Mucinous Carcinoids Including Some with a Carcinomatous Component: A Report of 17 Cases. *Am J Surg Pathol*, 2001 May; 25(5):557-68.

Case No. 9 - Accession No. 29908

May, 2005

Escondido - Rhabdomyosarcoma
Glendale - Endometrial stromal sarcoma with sex cord-like elements
Granada Hills - Endometrial stromal sarcoma
Orange (UCI Medical Center Residents) - Adenosarcoma
Sacramento (UC Davis Medical Center) - Leiomyosarcoma
San Francisco (San Francisco General Hospital) - Leiomyosarcoma
Arizona (Phoenix Memorial Hospital) - Leiomyosarcoma
Florida (Munroe Regional Medical Center) - Leiomyosarcoma
Florida (Winter Haven Hospital) - Adenosarcoma
Georgia, Decatur - Endometrial stromal sarcoma with smooth muscle differentiation
Illinois (Heartland Regional Medical Center) - Adenosarcoma
Kansas (Coffeyville Regional Medical Center) - Endometrial stromal tumor

Kentucky (University of Louisville Hospital) - Leiomyosarcoma vs endometrial stromal sarcoma
Maryland (National Naval Medical Center) - High grade sarcoma
Maryland (University of Maryland Medical Center) - Endometrial stromal sarcoma
New York (Nassau University Medical Center) - Endometrial stromal sarcoma
New York (SUNY Stony Brook Residents) - Epithelioid leiomyosarcoma
North Carolina (Wake Forest University Medical Center) - Myxoid leiomyosarcoma
North Carolina (Womack Army Medical Center) - Adenosarcoma (4)
North Carolina, Winston-Salem - Endometrial stromal sarcoma (1); Leiomyosarcoma (1)
Ohio (Medical University of Ohio at Toledo) - Leiomyosarcoma
Pennsylvania (Allegheny General Hospital) - Endometrial stromal sarcoma
Pennsylvania (Drexel University College of Medicine) - Adenosarcoma
Pennsylvania (Memorial Medical Center) - Low grade endometrial stromal sarcoma
Texas (Scott & White Hospital) - Leiomyosarcoma
Texas, Lubbock - Embryonal rhabdomyosarcoma
Texas, Sugarland - Adenosarcoma
Washington, D.C. - Leiomyoma
Canada (Woodstock General Hospital) - Neuroepithelioma, uterus
China (Sir Run Run Shaw Hospital) - Endometrial stromal sarcoma
Japan (Asahi General Hospital) - Endometrial stromal sarcoma, high grade, uterus
Japan (Gunma University Hospital) - Myxoid leiomyosarcoma
Japan (Hamamatsu University School of Medicine) - Leiomyosarcoma
Puerto Rico (University of Puerto Rico) - Leiomyosarcoma
Qatar, Doha - Endometrial stromal sarcoma
Spain (Povisa) - Leiomyosarcoma
The Netherlands, Amstelveen - Leiomyosarcoma (1); Myxoid leiomyoma (1)

Case 9 - Diagnosis:

High Grade Sarcoma (Favor Endometrial Stromal Sarcoma), Uterus
T-82000, M-8930/3

Case 9 - References:

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 Pautier P, Genestie C, Rey A, et al: Analysis of Clinicopathologic Prognostic Factors for 157 Uterine Sarcomas and Evaluation of a Grading Score Validated For Soft Tissue Sarcoma. *Cancer*, 2000 Mar 15; 88(6):1425-31.

Case No. 10 - Accession No. 29287

May, 2005

Escondido - Leiomyosarcoma
Glendale - Symplastic leiomyoma
Granada Hills - Symplastic leiomyoma
Orange (UCI Medical Center Residents) - Atypical leiomyoma (STUMP)
Sacramento (UC Davis Medical Center) - Atypical/pleomorphic leiomyoma
San Francisco (San Francisco General Hospital) - Bizarre leiomyoma or apoplectic leiomyoma
Arizona (Phoenix Memorial Hospital) - Atypical leiomyoma (bizarre or symplastic leiomyoma)
Florida (Munroe Regional Medical Center) - Bizarre leiomyoma
Florida (Winter Haven Hospital) - Atypical leiomyoma
Georgia, Decatur - Symplastic leiomyoma
Illinois (Heartland Regional Medical Center) - Smooth muscle tumor of uncertain malignant potential
Kansas (Coffeyville Regional Medical Center) - Bizarre leiomyoma
Kentucky (University of Louisville Hospital) - Atypical (symplastic) leiomyoma

Maryland (National Naval Medical Center) - Symplastic leiomyoma
Maryland (University of Maryland Medical Center) - Symplastic leiomyoma
New York (Nassau University Medical Center) - Atypical leiomyoma
New York (SUNY Stony Brook Residents) - Symplastic leiomyoma
North Carolina (Wake Forest University Medical Center) - Symplastic leiomyoma
North Carolina (Womack Army Medical Center) - Atypical (symplastic) leiomyoma (4)
North Carolina, Winston-Salem - Symplastic leiomyoma (2)
Ohio (Medical University of Ohio at Toledo) - Symplastic leiomyoma
Pennsylvania (Allegheny General Hospital) - Symplastic leiomyoma
Pennsylvania (Drexel University College of Medicine) - Symplastic leiomyoma
Pennsylvania (Memorial Medical Center) - Bizarre leiomyoma (symplastic)
Texas (Scott & White Hospital) - Symplastic leiomyoma
Texas, Lubbock - Leiomyosarcoma
Texas, Sugarland - Atypical leiomyoma
Washington, D.C. - Leiomyosarcoma
Canada (Woodstock General Hospital) - Atypical leiomyoma, uterus
China (Sir Run Run Shaw Hospital) - Bizarre leiomyoma
Japan (Asahi General Hospital) - Atypical leiomyoma, uterus
Japan (Gunma University Hospital) - Leiomyosarcoma
Japan (Hamamatsu University School of Medicine) - Atypical leiomyoma
Puerto Rico (University of Puerto Rico) - Symplastic leiomyoma
Qatar, Doha - Syplastic/bizarre leiomyoma
Spain (Povisa) - Bizarre leiomyoma
The Netherlands, Amstelveen - Leiomyoma with bizarre nuclei (= symplastic leiomyoma) (1); Atypical leiomyoma (1)

Case 10 - Diagnosis:

Symplastic (“Atypical” Or “Bizarre”) Leiomyoma, Uterus T-82000, M-8890/0

Case 10 - References:

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 Roth LM, Reed RJ: Dissecting Leiomyomas of the Uterus Other Than Cotyledonoid Dissecting Leiomyomas: A Report of Eight Cases. *Am J Surg Pathol*, 1999 Sep; 23(9):1032-9.
 Jordan LB, Al-Nafussi A, Beattie G: Cotyledonoid Hydropic Intravenous Leiomyomatosis: A New Variant Leiomyoma. *Histopathology*, 2002 Mar; 40(3):245-52.
 Clement PB, Young RH: Diffuse Leiomyomatosis of the Uterus: A Report of Four Cases. *Int J Gynecol Pathol*, 1987; 6(4):322-30.