



CALIFORNIA
TUMOR TISSUE REGISTRY

“General Pathology”

Minutes – Subscription B

October, 2005



SUGGESTED READING (General Topics from Recent Literature):

Methods In Molecular Surgical Pathology. El-Naggar AK. *Sem Diag Pathol*, 2002 May; 19(2):56-71.

The Prospect Of Silencing Disease Using RNA Interference. Shankar P, Manjunath N, Lieberman J. *JAMA*, 2005 Mar 16; 293(11):1367-73.

Human Cloning – The Science And Ethics Of Nuclear Transplantation. Jaenisch R. *N Engl J Med*, 2004 Dec 30; 351(27):2787-91.

Mechanisms Of Disease: Inflammation, Atherosclerosis, And Coronary Artery Disease. Hansson GK. *N Engl J Med*, 2005 Apr 21; 352(16):1685-95.

Antimicrobial Peptides. Izadpanah A, Gallo RL. *J Am Acad Dermatol*, 2005 Mar; 52(3):381-90.

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FILE DIAGNOSES

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

CTTR Subscription B

October 2005

Case 1:

Omental mesenteric myxoid hamartoma (inflammatory myofibroblastic tumor)
T-63850, M-75500

Case 2:

Desmoid-type fibromatosis, abdomen
T-Y4100, M-76100

Case 3:

Arteriovenous malformation/hemangioma, leg
T-Y9400, M-24810, M-91200

Case 4:

Intra-abdominal leiomyoma and tuberculosis peritonitis
T-Y6000, M-88900, D-0188

Case 5:

Sclerosing stromal tumor/fibroma/”fibrothecoma”, ovary
T-87000, M-8590/1

Case 6:

PNET/Ewing’s sarcoma, calf
T-Y9440, M-9260/3

Case 7:

Ovarian mucinous tumor of low malignant potential (“borderline”)
T-87000, M-8470/1

Case 8:

Yolk sac tumor (“endodermal sinus tumor”), ovary
T-87000, M-9071/3

Case 9:

Solitary fibrous tumor, lung/pleura
T-28000, M-9150/1

Case 10:

Adrenal cortical carcinoma, adrenal gland
T-93000, M-8370/3

Escondido - Myxoid (multicentric) hamartoma
Glendale - Inflammatory myofibroblastic tumor
Loma Linda (LLUMC Residents) - Ganglioneuroblastoma
Arkansas (University of Arkansas Medical Center) - Omental mesenteric myxoid hamartoma (inflammatory myofibroblastic tumor), peritoneum
Florida (Winter Haven Hospital) - Inflammatory myofibroblastic tumor (2)
Georgia, Decatur - Proliferative fasciitis
Illinois (Heartland Regional Medical Center) - Embryonal rhabdomyosarcoma
Kansas (Coffeyville Regional Medical Center) - Myxoid liposarcoma
Kentucky (University of Louisville Residents) - Multicentric hamartoma
Louisiana (State University Medical Center) - Embryonal rhabdomyosarcoma
Maryland (Johns Hopkins Medical Institute) - Favor inflammatory myofibroblastic tumor, need stains
Michigan (Pathology Services of West Michigan) - Rhabdomyosarcoma
Michigan (St. Joseph Mercy Hospital) - Rhabdomyosarcoma
Michigan (Henry Ford Hospital Residents) - Embryonal rhabdomyosarcoma
New York (Nassau University Medical Center) - Ganglioneuroma
New York (Stony Brook University Hospital) - Ganglioneuroma
New York (Westchester Medical Center) - Hepatoblastoma vs mesenchymal tumor
North Carolina (Womack Army Medical Center) - Inflammatory myofibroblastic tumor (5)
Pennsylvania (Allegheny General Hospital) - Rhabdomyosarcoma
Pennsylvania (Conemaugh Memorial Medical Center) - Omental mesenteric myxoid hamartoma
Pennsylvania (Drexel University College of Medicine) - Omental mesenteric myxoid hamartoma
Tennessee (Duckworth Pathology Group) - Leiomyosarcoma
Texas (Baylor College of Medicine) - Inflammatory myofibroblastic tumor
Texas (Wilford Hall Residents) - Rhabdoid tumor vs. embryonal rhabdomyosarcoma
Texas, Crystal Beach - Hemangiosarcoma, r/o hepatoblastoma
Texas, Lubbock - Liposarcoma
Texas, San Antonio - Inflammatory myofibroblastic tumor, ? sarcomatoid transformation
West Virginia (Wetzel County Hospital) - Embryonal sarcoma
Australia (Sullivan Nicolaides Pathology) - Embryonal rhabdomyosarcoma
Japan (Hamamatsu University School of Medicine) - Infantile myofibromatosis
Japan, Chiba - Inflammatory myofibroblastic tumor, greater omentum
Puerto Rico (University of Puerto Rico) - Omental mesenteric myxoid hamartoma
Qatar, Doha - Inflammatory myofibroblastic tumor
Spain (Povisa) - Rhabdoid extra-renal tumor
The Netherlands, Amstelveen - Embryonal rhabdomyosarcoma

Case 1 - Diagnosis:

Omental mesenteric myxoid hamartoma (inflammatory myofibroblastic tumor)
T-63850, M-75500

Director's Note: In this age group, I do not believe that they can be separately delineated. (drc)

Case 1 - References:

Treisman SP, Gillis DA, Lee CL, et al: Omental-Mesenteric Inflammatory Pseudotumor. Cytogenetic Demonstration Of Genetic Changes And Monoclonality In One Tumor. *Cancer*, 1994 Mar 1; 73(5):1433-7. Review.
 Tang TT, Segura AD, Oechler HW, et al: Inflammatory Myofibrohistiocytic Proliferation Simulating Sarcoma In Children. *Cancer*, 1990 Apr 1; 65(7):1626-34.
 Day DL, Sane S, Dehner LP: Inflammatory Pseudotumor Of The Mesentery And Small Intestine. *Pediatr Radiol*, 1986; 16(3):210-5.
 Meis JM, Enzinger FM: Inflammatory Fibrosarcoma Of The Mesentery And Retroperitoneum: A Tumor Closely Simulating Inflammatory Pseudotumor. *Am J Surg Pathol*, 1991 Dec; 15(12):1146-56.
 Van Dorpe J, Ectors N, Geboes K, et al: Is Calcifying Fibrous Pseudotumor A Late Sclerosing Stage Of Inflammatory Myofibroblastic Tumor? *Am J Surg Pathol*, 1999 Mar; 23(3):329-35.

Escondido - Low grade fibromyxoid sarcoma
Glendale - Aggressive mesenteric fibromatosis
Loma Linda (LLUMC Residents) - Ganglioneuroma
Arkansas (University of Arkansas Medical Center) - Intra-abdominal fibromatosis, omentum
Florida (Winter Haven Hospital) - Desmoid tumor (2)
Georgia, Decatur - Low grade fibromyxoid sarcoma
Illinois (Heartland Regional Medical Center) - Benign fibromyxoid neoplasm
Kansas (Coffeyville Regional Medical Center) - Paucicellular myxoid liposarcoma
Kentucky (University of Louisville Residents) - Aggressive angiomyxoma vs myxoid angiofibroma
Louisiana (State University Medical Center) - Fibromatosis
Maryland (Johns Hopkins Medical Institute) - Myxoid neurofibroma vs leiomyoma, stains
Michigan (Pathology Services of West Michigan) - Neurofibroma
Michigan (St. Joseph Mercy Hospital) - Schwannoma
Michigan (Henry Ford Hospital Residents) - Aggressive angiomyxoma
New York (Nassau University Medical Center) - Angiomyxoma
New York (Stony Brook University Hospital) - Angiomyxoma
New York (Westchester Medical Center) - Low grade fibromyxoid sarcoma
North Carolina (Womack Army Medical Center) - Myxoid neurofibroma (5)
Pennsylvania (Allegheny General Hospital) - Fibromatosis
Pennsylvania (Conemaugh Memorial Medical Center) - Intra-abdominal fibromatosis
Pennsylvania (Drexel University College of Medicine) - Inflammatory myofibroblastic tumor
Tennessee (Duckworth Pathology Group) - Solitary fibrous tumor
Texas (Baylor College of Medicine) - Low grade myofibroblastic sarcoma
Texas (Wilford Hall Residents) - Desmoid tumor
Texas, Crystal Beach - Fibromatosis
Texas, Lubbock - Angiomyofibroblastoma
Texas, San Antonio - Fibromatosis
West Virginia (Wetzel County Hospital) - Solitary fibrous tumor
Australia (Sullivan Nicolaides Pathology) - Intra-abdominal fibromatosis
Japan (Hamamatsu University School of Medicine) - Abdominal fibromatosis
Japan, Chiba - Abdominal fibromatosis, abdomen
Puerto Rico (University of Puerto Rico) - Mesenteric fibromatosis
Qatar, Doha - Low grade fibromyxoid sarcoma (3); fibromatosis (4)
Spain (Povisa) - Deep "aggressive" angiomyxoma
The Netherlands, Amstelveen - Neurofibroma

Case 2 - Diagnosis:**Desmoid-type fibromatosis, abdomen****T-Y4100, M-76100**

Director's Note: Closely considered was also an aggressive angiomyxoma. Both entities carry a similar rate of recurrence but do not metastasize. (drc)

Case 2 - References:

Allen PW: The Fibromatosis: A Clinicopathologic Classification Based On 140 Cases. *Am J Surg Pathol*, 1977 Sep; 1(3):255-70.
 Bridge JA, Sreekantaiah C, Mouron B, et al: Clonal Chromosomal Abnormalities In Desmoid Tumors: Implications For Histopathogenesis. *Cancer*, 1992 Jan 15; 69(2):430-6.
 Reitamo JJ, Hayry P, Nykyri E, Saxen E: The Desmoid Tumor: I. Incidence, Sex, Age And Anatomical Distribution In The Finnish Population. *Am J Clin Pathol*, 1982 Jun; 77(6):665-73.
 Miralbell R, Suit HD, Mankin HJ, et al: Fibromatosis: From Post-Surgical Surveillance To Combined Surgery And Radiation Therapy. *Int J Radiat Oncol Biol Phys*, 1990 Mar; 18(3):535-40.
 Reitamo JJ: The Desmoid Tumor. IV. Choice Of Treatment, Results And Complications. *Arch Surg*, 1983 Nov; 118(11):1318-22.

Escondido - Cavernous hemangioma
Glendale - Cavernous hemangioma
Loma Linda (LLUMC Residents) - Arteriovenous malformation
Arkansas (University of Arkansas Medical Center) - Pleomorphic hyalinizing angiectatic tumor, soft tissue
Florida (Winter Haven Hospital) - A-V malformation (2)
Georgia, Decatur - Lymphangioma
Illinois (Heartland Regional Medical Center) - Cavernous hemangioma
Illinois (Sarah Bush Lincoln Health Center) -
Kansas (Coffeyville Regional Medical Center) - Cavernous hemangioma vs lymphangioma
Kentucky (University of Louisville Residents) - Hemangioma, venous vs cavernous
Louisiana (State University Medical Center) - Arterio-venous malformation
Maryland (Johns Hopkins Medical Institute) - Venous hemangioma vs pleomorphic hyalinizing angiectatic tumor
Michigan (Pathology Services of West Michigan) - Lymphangiomatosis
Michigan (St. Joseph Mercy Hospital) - Hemangioma
Michigan (Henry Ford Hospital Residents) - Arteriovenous malformation
New York (Nassau University Medical Center) - Cavernous hemangioma
New York (Stony Brook University Hospital) - Angiolipoma
New York (Westchester Medical Center) - Venous hemangioma
North Carolina (Womack Army Medical Center) - Cavernous hemangioma (5)
Pennsylvania (Allegheny General Hospital) - Pleomorphic hyalinizing angiectatic tumor
Pennsylvania (Conemaugh Memorial Medical Center) - Cavernous hemangioma
Pennsylvania (Drexel University College of Medicine) - Spindle cell hemangioma
Tennessee (Duckworth Pathology Group) - Cavernous hemangioma
Texas (Baylor College of Medicine) - Venous angioma
Texas (Wilford Hall Residents) - Pleomorphic hyalinizing angiectatic tumor of soft parts
Texas, Crystal Beach - Arteriovenous hemangioma
Texas, Lubbock - Cavernous hemangioma
Texas, San Antonio - Pleomorphic hyalinizing angiectatic tumor
West Virginia (Wetzel County Hospital) - Angiolipoma
Australia (Sullivan Nicolaides Pathology) - Cavernous hemangioma
Japan (Hamamatsu University School of Medicine) - Varicose vein
Japan, Chiba - Hemangioma, right leg
Puerto Rico (University of Puerto Rico) - Angiolipoma
Qatar, Doha - Arterio-venous hemangioma
Spain (Povisa) - Cavernous hemangioma
The Netherlands, Amstelveen - Arteriovenous malformation

CASE 3 - Diagnosis:

**Arteriovenous malformation/hemangioma, leg
T-Y9400, M-24810, M-91200**

Case 3 - References:

Howat AJ: Diffuse Angiomatosis Of The Extremities Presenting As A Sarcoma. *Arch Pathol Lab Med*, 1991 May; 115(5):425-6.
Vas LD, Bom EP, Vroegindewij D, Tielbeek AV: Congenital Pelvic Arteriovenous Malformations: A Rare Cause Of Sciatica. *Clin Neurol Neurosurg*, 1995 Aug; 97(3):229-32.

Escondido - Leiomyoma and caseating granulomas consistent with TB
Glendale - Cellular leiomyoma
Loma Linda (LLUMC Residents) - Cellular leiomyoma with focal giant cells
Arkansas (University of Arkansas Medical Center) - Necrotizing granulomatous peritonitis and cellular leiomyoma
Florida (Winter Haven Hospital) - Leiomyoma with granulomas (2)
Georgia, Decatur - Stromatoloma with involvement by necrotizing granulomas consistent with tuberculosis

Illinois (Heartland Regional Medical Center) - Cellular leiomyoma and necrotizing granuloma
Kansas (Coffeyville Regional Medical Center) - Cellular leiomyoma with granulomas (probably T.B.)
Kentucky (University of Louisville Residents) - Leiomyoma encased in a tuberculoma
Louisiana (State University Medical Center) - Disseminated peritoneal leiomyomatosis with necrotizing granulomas
Maryland (Johns Hopkins Medical Institute) - Favor mixed endometrial stromal-smooth muscle tumor, stains would help
Michigan (Pathology Services of West Michigan) - Cellular leiomyoma
Michigan (St. Joseph Mercy Hospital) - Leiomyoma
Michigan (Henry Ford Hospital Residents) - Cellular leiomyoma with granulomatous inflammation
New York (Nassau University Medical Center) - Cellular leiomyoma
New York (Stony Brook University Hospital) - Cellular leiomyoma
New York (Westchester Medical Center) - Vascular leiomyoma + TB granulomas
North Carolina (Womack Army Medical Center) - Leiomyoma and tuberculous peritonitis (5)
Pennsylvania (Allegheny General Hospital) - Necrotizing granulomas
Pennsylvania (Conemaugh Memorial Medical Center) - Thecofibroma with surface tuberculosis granuloma
Pennsylvania (Drexel University College of Medicine) - Solitary fibrous tumor
Tennessee (Duckworth Pathology Group) - Leiomyoma with peripheral TB
Texas (Baylor College of Medicine) - Leiomyomata and chronic granulomatous peritonitis
Texas (Wilford Hall Residents) - Cellular leiomyoma c/w possible miliary TB
Texas, Crvstal Beach - Leiomyoma with granulomatous inflammation (T.B., foreign body, etc.)
Texas, Lubbock - Leiomyoma
Texas, San Antonio - Large endometrial stromal sarcoma, focal necrotizing granulomatous inflammation
West Virginia (Wetzel County Hospital) - Cellular leiomyoma
Australia (Sullivan Nicolaides Pathology) - Leiomyoma and granulomatous tuberculosis
Japan (Hamamatsu University School of Medicine) - Tuberculosis
Japan, Chiba - Disseminated peritoneal leiomyomatosis and tuberculosis
Puerto Rico (University of Puerto Rico) - Ovarian fibroma with tuberculosis vs stromal nodule
Qatar, Doha - Tuberculosis and leiomyoma
Spain (Povisa) - Endometrial stromal sarcoma, low grade, and tuberculosis
The Netherlands, Amstelveen - Granulomatous inflammation and necrosis in a leiomyoma ?

Case 4 - Diagnosis:

Intra-abdominal leiomyoma and tuberculosis peritonitis
T-Y6000, M-88900, D-0188

Case 4 - References:

Bastani B, Shariatzadeh MR, Dehdashti F: Tuberculous Peritonitis. Report Of 30 Cases And Review Of The Literature. *Q J Med*, 1985 Sep; 56(221):549-57.
 Nistal de Paz F, Herrero Fernandez B, Perez-Simon R, et al: Pelvic-Peritoneal Tuberculosis Simulating Ovarian Carcinoma: Report Of Three Cases With Elevation Of The CA-125. *Am J Gastroenterol*, 1996 Aug; 91(8):1660-61.
 Buttram VC Jr, Reiter RC: Uterine Leiomyomata: Etiology, Symptomatology, And Management. *Fertil Steril*, 1981 Oct; 36(4):433-45. Review.

Case No. 5 - Accession No. 28900

October, 2005

Escondido - Fibromatosis
Glendale - Leiomyoma
Loma Linda (LLUMC Residents) - Fibrothecoma, ovary
Arkansas (University of Arkansas Medical Center) - Fibroma, ovary
Florida (Winter Haven Hospital) - Fibroma (2)
Georgia, Decatur - Fibrothecoma
Illinois (Heartland Regional Medical Center) - Fibroma
Kansas (Coffeyville Regional Medical Center) - Hyalinizing fibroma
Kentucky (University of Louisville Residents) - Hyalinized fibroma
Maryland (Johns Hopkins Medical Institute) - Fibroma
Michigan (Pathology Services of West Michigan) - Fibroma
Michigan (St. Joseph Mercy Hospital) - Fibroma
Michigan (Henry Ford Hospital Residents) - Fibrothecoma
New York (Nassau University Medical Center) - Leiomyoma

New York (Stony Brook University Hospital) - Fibroma
New York (Westchester Medical Center) - Fibroma/thecoma vs sclerosing stromal tumor
North Carolina (Womack Army Medical Center) - Fibroma (5)
Pennsylvania (Allegheny General Hospital) - Fibroma
Pennsylvania (Conemaugh Memorial Medical Center) - Fibromatosis
Pennsylvania (Drexel University College of Medicine) - Hyalinized leiomyoma
Tennessee (Duckworth Pathology Group) - Fibrothecoma
Texas (Baylor College of Medicine) - Fibroma
Texas (Wilford Hall Residents) - Favor ovarian fibroma, ddx includes leiomyoma
Texas, Crystal Beach - Leiomyoma with fibrosis
Texas, Lubbock - Fibroma
Texas, San Antonio - Fibroma
West Virginia (Wetzel County Hospital) - Fibroma
Australia (Sullivan Nicolaides Pathology) - Fibrothecoma
Japan (Hamamatsu University School of Medicine) - Fibroma
Japan, Chiba - Thecoma, ovary
Puerto Rico (University of Puerto Rico) - Fibroma vs sclerosed leiomyoma
Qatar, Doha - Fibroma/thecoma
Spain (Povisa) - Ovarian fibroma
The Netherlands, Amstelveen - Fibrothecoma

Case 5 - Diagnosis:

Sclerosing stromal tumor/fibroma/"fibrothecoma", ovary

T-87000, M-8590/1

Case 5 - References:

Chalvardjian A, Scully RE: Sclerosing Stromal Tumors Of The Ovary. *Cancer*, 1973 Mar; 31(3):664-70.
 Gee DC, Russell P: Sclerosing Stromal Tumors Of The Ovary. *Histopathology*, 1979 Sep; 3(5):367-76.
 Shah KH, Steele HD: Sclerosing Stromal Tumor Of The Ovary. A Case Report And Further Observations. *Diagn Gynecol Obstet*, 1981 Summer; 3(2):155-9.
 Damajanov I, Drobnjak P, Grizelj V, Longhino N: Sclerosing Stromal Tumor Of The Ovary: A Hormonal And Ultrastructural Analysis. *Obstet Gynecol*, 1975 Jun; 45(6):675-79.

Case No. 6 - Accession No. 30222 & 27826

October, 2005

Escondido - Neuroendocrine carcinoma
Glendale - Ewing's
Loma Linda (LLUMC Residents) - Ewing's sarcoma
Arkansas (University of Arkansas Medical Center) - Rhabdoid sarcoma, soft tissue
Florida (Winter Haven Hospital) - Rhabdomyosarcoma (2)
Georgia, Decatur - Epithelioid sarcoma, proximal type
Illinois (Heartland Regional Medical Center) - Ewing's sarcoma/PNET
Kansas (Coffeyville Regional Medical Center) - Multiple myeloma
Kentucky (University of Louisville Residents) - Angiosarcoma vs Ewing's sarcoma
Louisiana (State University Medical Center) - Ewing's/PNET
Maryland (Johns Hopkins Medical Institute) - Ewing's/PNET
Michigan (Pathology Services of West Michigan) - Soft tissue Ewing sarcoma
Michigan (St. Joseph Mercy Hospital) - PNET
Michigan (Henry Ford Hospital Residents) - PNET/Ewing's sarcoma
New York (Nassau University Medical Center) - Sarcoma, likely rhabdomyosarcoma
New York (Stony Brook University Hospital) - Rhabdoid tumor with chemotherapy effect
New York (Westchester Medical Center) - Ewing's sarcoma/PNET
North Carolina (Womack Army Medical Center) - Ewing's sarcoma (5)
Pennsylvania (Allegheny General Hospital) - Extraskelatal EWS/PNET
Pennsylvania (Conemaugh Memorial Medical Center) - Rhabdoid tumor
Pennsylvania (Drexel University College of Medicine) - Ewing sarcoma
Tennessee (Duckworth Pathology Group) - PNET
Texas (Baylor College of Medicine) - Ewing's sarcoma

Texas (Wilford Hall Residents) - Primitive neuroectodermal tumor
Texas, Crystal Beach - Neuroectodermal tumor (extra-osseous Ewing)
Texas, Lubbock - Clear cell sarcoma
Texas, San Antonio - Malignant SRBCT – IHC needed, ? mets
West Virginia (Wetzel County Hospital) - 30222 – Tertiary syphilis, 27826 – Ewing’s sarcoma
Australia (Sullivan Nicolaides Pathology) - Extraskelatal Ewing’s sarcoma/PNET
Japan (Hamamatsu University School of Medicine) - Ewing’s sarcoma
Japan, Chiba - Primitive neuroectodermal tumor, calf
Puerto Rico (University of Puerto Rico) - PNET/Ewing sarcoma
Qatar, Doha - Extraskelatal Ewing’s sarcoma/ PNET
Spain (Povisa) - Small round cell tumor
The Netherlands, Amstelveen - PNET/Ewing’s sarcoma

Case 6 - Diagnosis:

PNET, Ewing’s sarcoma, calf
T-Y9440, M-9260/3

Case 6 - References:

Dehner LP: Primitive Neuroectodermal Tumor And Ewing’s Sarcoma. *Am J Surg Pathol*, 1993 Jan; 17(1):1-13. Review.
 Gorman PA, Malone M, Pritchard J, Sheer D: Cytogenetic Analysis Of Primitive Neuroectodermal Tumors: Absence Of The +(11;22) In Two Of Three Cases And Review Of The Literature. *Cancer Genet Cytogenet*, 1991 Jan; 51(1):13-22. Review.
 Ambros IM, Ambros PF, Strehl S, et al: MIC2 Is A Specific Marker For Ewing’s Sarcoma And Peripheral Primitive Neuroectodermal Tumors. Evidence For A Common Histogenesis Of Ewing’s Sarcoma From MIC2 Expression On Specific Chromosomal Aberration. *Cancer*, 1991 Apr 1; 67(7):1886-93.
 Verrill MW, Judson IR, Harmer CL, et al: Ewing’s Sarcoma And Primitive Neuroectodermal Tumor In Adults: Are They Different From Ewing’s Sarcoma And Primitive Neuroectodermal Tumor In Children? *J Clin Oncol*, 1997 Jul; 15(7):2611-21.
 Weidner N, Tjoe J: Immunohistochemical Profile Of Monoclonal Antibody 013 ; An Antibody That Recognizes Glycoprotein p30/32MIC2 And Is Useful In Diagnosing Ewing’s Sarcoma And Peripheral Neuroepithelioma. *Am J Surg Pathol*, 1994 May; 18(5):486-94.

Case No. 7 - Accession No. 30036

October, 2005

Escondido - Mucinous cystic tumor of borderline malignancy
Glendale - Mucinous tumor of LMP, Mullerian type
Loma Linda (LLUMC Residents) - Borderline ovarian mucinous cystadenoma
Arkansas (University of Arkansas Medical Center) - Mucinous cystadenocarcinoma, ovary
Florida (Winter Haven Hospital) - Mucinous neoplasm of borderline malignant potential (2)
Georgia, Decatur - Mucinous borderline tumor, rule out metastasis
Illinois (Heartland Regional Medical Center) - Atypical proliferative mucinous tumor
Kansas (Coffeyville Regional Medical Center) - Mucinous cystadenoma – borderline potential
Kentucky (University of Louisville Residents) - Mucinous cystadenocarcinoma, intestinal type
Louisiana (State University Medical Center) - Mucinous cystadenoma with focal LMP
Maryland (Johns Hopkins Medical Institute) - Atypical proliferative mucinous tumor (so-called borderline), rule out GI tract metastasis
Michigan (Pathology Services of West Michigan) - Mucinous borderline tumor
Michigan (St. Joseph Mercy Hospital) - Borderline mucinous tumor
Michigan (Henry Ford Hospital Residents) - Mucinous cystadenoma of borderline malignancy/cystadenocarcinoma
New York (Nassau University Medical Center) - Mucinous tumor of borderline malignancy
New York (Stony Brook University Hospital) - Borderline mucinous cystadenoma, intestinal type
New York (Westchester Medical Center) - Borderline mucinous tumor of ovary
North Carolina (Womack Army Medical Center) - Mucinous cystadenoma of low malignant potential (5)
Pennsylvania (Allegheny General Hospital) - Borderline mucinous cystadenoma with intra-epithelial carcinoma
Pennsylvania (Conemaugh Memorial Medical Center) - Mucinous cystadenoma, borderline
Pennsylvania (Drexel University College of Medicine) - Mucinous cystadenoma vs borderline mucinous changes
Tennessee (Duckworth Pathology Group) - Mucinous cystadenoma
Texas (Baylor College of Medicine) - Endocervical-like borderline mucinous tumor
Texas (Wilford Hall Residents) - Borderline mucinous cystadenofibroma
Texas, Crystal Beach - Mucinous cystadenoma

Texas, Lubbock - Mucinous tumor of low malignant potential
Texas, San Antonio - Mucinous borderline tumor
West Virginia (Wetzel County Hospital) - Mucinous cystadenocarcinoma
Australia (Sullivan Nicolaides Pathology) - Borderline mucinous tumour of ovary
Japan (Hamamatsu University School of Medicine) - Mucinous borderline tumor, intestinal type
Japan, Chiba - Atypical proliferative mucinous tumor, endocervical-like type, ovary
Puerto Rico (University of Puerto Rico) - Atypical proliferative (borderline) mucinous tumor
Qatar, Doha - Borderline mucinous tumor of ovary
Spain (Povisa) - Mucinous borderline tumor, intestinal type, with focal intra-epithelial carcinoma
The Netherlands, Amstelveen - Mucinous borderline tumor of the ovary (intestinal and endocervical type)

Case 7 - Diagnosis:

Ovarian mucinous tumor of low malignant potential (“borderline”)
T-87000, M-8470/1

Case 7 - References:

Silverberg SG: Histopathologic Grading Of Ovarian Carcinoma: A Review And Proposal. *Int J Gynecol Pathol*, 2000 Jan; 19(1):7-15. Review.
 Young RH, Bell DA, Clement PB, et al: Recent Advances In The Pathology Of Ovarian Tumors. *Mod Pathol*, 1995 Dec; 8(9):930-59. Review.
 Caduff RF, Svoboda-Newman SM, Ferguson AW, et al: Comparison Of Mutations Of KI-RAS And P53 Immunoreactivity In Borderline And Malignant Ovarian Tumors. *Am J Surg Pathol*, 1999 Mar; 23(3):323-28.
 Rubin SC, Randall TC, Armstrong KA, et al: Ten-Year Follow-Up Of Ovarian Cancer Patients After Second-Look Laparotomy With Negative Findings. *Obstet Gynecol*, 1999 Jan; 93(1):21-4.
 Young RH, Scully RE: Metastatic Tumors Of The Ovary: A Problem-Oriented Approach And Review Of The Recent Literature. *Semin Diag Pathol*, 1991 Nov; 8(4):250-76. Review.

Case No. 8 - Accession No. 30045

October, 2005

Escondido - Yolk sac tumor
Glendale - Yolk sac tumor
Loma Linda (LLUMC Residents) - Juvenile granulosa-theca cell tumor
Arkansas (University of Arkansas Medical Center) - Yolk sac tumor, ovary
Florida (Winter Haven Hospital) - Mixed germ cell tumor, embryonal carcinoma – endodermal sinus tumor (1); Mixed germ cell tumor (1)
Georgia, Decatur - Yolk sac tumor and dysgerminoma
Illinois (Heartland Regional Medical Center) - Malignant mixed germ cell neoplasm, mainly endodermal sinus tumor and dysgerminoma with focal embryonal carcinoma
Kansas (Coffeyville Regional Medical Center) - Yolk sac tumor
Kentucky (University of Louisville Residents) - Yolk sac tumor
Louisiana (State University Medical Center) - Yolk sac tumor
Maryland (Johns Hopkins Medical Institute) - Yolk sac tumor
Michigan (Pathology Services of West Michigan) - Yolk sac tumor
Michigan (St. Joseph Mercy Hospital) - Yolk sac tumor
Michigan (Henry Ford Hospital Residents) - Yolk sac tumor
New York (Nassau University Medical Center) - Yolk sac tumor
New York (Stony Brook University Hospital) - Yolk sac tumor
New York (Westchester Medical Center) - Mixed germ cell tumor with predominant yolk sac tumor
North Carolina (Womack Army Medical Center) - Yolk sac tumor (5)
Pennsylvania (Allegheny General Hospital) - Endodermal sinus tumor
Pennsylvania (Conemaugh Memorial Medical Center) - Mixed germ cell tumor
Pennsylvania (Drexel University College of Medicine) - Yolk sac tumor
Tennessee (Duckworth Pathology Group) - Yolk sac tumor
Texas (Baylor College of Medicine) - Malignant mixed germ cell tumor
Texas (Wilford Hall Residents) - Yolk sac tumor
Texas, Crystal Beach - Dysgerminoma
Texas, Lubbock - Yolk sac tumor
Texas, San Antonio - Yolk sac tumor
West Virginia (Wetzel County Hospital) - Yolk sac tumor

Australia (Sullivan Nicolaides Pathology) - Yolk sac tumor
Japan (Hamamatsu University School of Medicine) - Yolk sac tumor
Japan, Chiba - Yolk sac tumor, right ovary
Puerto Rico (University of Puerto Rico) - Yolk sac tumor
Qatar, Doha - Malignant mixed germ cell tumor with major endodermal sinus tumor component
Spain (Povisa) - Yolk sac tumor
The Netherlands, Amstelveen - Yolk sac tumor of the ovary

Case 8 - Diagnosis:

**Yolk sac tumor (“endodermal sinus tumor”), ovary
T-87000, M-9071/3**

Case 8 - References:

Huntington RW Jr., Bullock WK: Yolk Sac Tumors Of The Ovary. *Cancer*, 1970 Jun; 25(6):1357-67.
Langley FA, Govan AD, Anderson MC, et al: Yolk Sac And Allied Tumors Of The Ovary. *Histopathology*, 1981 Jul; 5(4):389-401.
Kurman RJ, Norris HJ: Endodermal Sinus Tumor Of The Ovary: A Clinical And Pathologic Analysis Of 71 Cases. *Cancer*, 1976 Dec; 38(6):2404-19.
Genadry R, Parmley T, Woodruff JD: Secondary Malignancies In Benign Cystic Teratomas. *Gynecol Oncol*, 1979 Oct; 8(2):246-51.

Case No. 9 - Accession No. 30127

October, 2005

Escondido - Solitary fibrous tumor
Glendale - Solitary fibrous tumor
Loma Linda (LLUMC Residents) - Solitary fibrous tumor
Arkansas (University of Arkansas Medical Center) - Solitary fibrous tumor, pleura
Florida (Winter Haven Hospital) - Benign fibrous mesothelioma (2)
Georgia, Decatur - Solitary fibrous tumor
Illinois (Heartland Regional Medical Center) - Solitary fibrous tumor
Kansas (Coffeyville Regional Medical Center) - Fibrous tumor of pleura
Kentucky (University of Louisville Residents) - Solitary fibrous tumor
Louisiana (State University Medical Center) - Solitary fibrous tumor
Maryland (Johns Hopkins Medical Institute) - Solitary fibrous tumor
Michigan (Pathology Services of West Michigan) - Solitary fibrous tumor
Michigan (St. Joseph Mercy Hospital) - Solitary fibrous tumor
Michigan (Henry Ford Hospital Residents) - Solitary fibrous tumor
New York (Nassau University Medical Center) - Solitary fibrous tumor
New York (Stony Brook University Hospital) - Solitary fibrous tumor
New York (Westchester Medical Center) - Solitary fibrous tumor
North Carolina (Womack Army Medical Center) - Solitary fibrous tumor (5)
Pennsylvania (Allegheny General Hospital) - Solitary fibrous tumor
Pennsylvania (Conemaugh Memorial Medical Center) - Solitary fibrous tumor
Pennsylvania (Drexel University College of Medicine) - Solitary fibrous tumor
Tennessee (Duckworth Pathology Group) - Solitary fibrous tumor
Texas (Baylor College of Medicine) - Solitary fibrous tumor
Texas (Wilford Hall Residents) - Solitary fibrous tumor
Texas, Crystal Beach - Solitary fibrous tumor of pleura
Texas, Lubbock - Solitary fibrous tumor
Texas, San Antonio - Solitary fibrous tumor
West Virginia (Wetzel County Hospital) - Solitary fibrous tumor
Australia (Sullivan Nicolaides Pathology) - Solitary fibrous tumour
Japan (Hamamatsu University School of Medicine) - Solitary fibrous tumor
Japan, Chiba - Solitary fibrous tumor, lung
Puerto Rico (University of Puerto Rico) - Solitary fibrous tumor
Qatar, Doha - Solitary fibrous tumor
Spain (Povisa) - Solitary fibrous tumor
The Netherlands, Amstelveen - Solitary fibrous tumor of the lung

Case 9 - Diagnosis:

**Solitary fibrous tumor, lung/pleura
T-28000, M-9150/1**

Case 9 - References:

- Witkin GB, Rosai J: Solitary Fibrous Tumors Of The Upper Respiratory Tract. A Report Of Six Cases. *Am J Surg Pathol*, 1991 Sep; 15(9):842-8.
- Flint A, Weiss SW: CD-34 And Keratin Expression Distinguishes Solitary Fibrous Tumor (Fibrous Mesothelioma) Of Pleura From Desmoplastic Mesothelioma. *Hum Pathol*, 1995 Apr; 26(4):428-31.
- Briselli M, Mark EJ, Dickersin GR: Solitary Fibrous Tumors Of The Pleura. Eight New Cases And Review Of 360 Cases In The Literature. *Cancer*, 1981 Jun 1; 47(11):2678-89.
- Goodlad AR, Fletcher CD: Solitary Fibrous Tumors Arising At Unusual Sites: Analysis Of A Series. *Histopathol*, 1991 Dec; 19(6):515-22.

Case No. 10 - Accession No. 30063**October, 2005**

Escondido - Pheochromocytoma
Glendale - Adrenal cortical carcinoma
Loma Linda (LLUMC Residents) - Metastatic renal cell carcinoma
Arkansas (University of Arkansas Medical Center) - Adrenal cortical carcinoma
Florida (Winter Haven Hospital) - Adrenal cortical carcinoma (2)
Georgia, Decatur - Adrenal cortical carcinoma
Illinois (Heartland Regional Medical Center) - Adrenal cortical carcinoma
Kansas (Coffeyville Regional Medical Center) - Adrenal cortical carcinoma
Kentucky (University of Louisville Residents) - Adrenal cortical carcinoma
Louisiana (State University Medical Center) - Adrenal cortical carcinoma
Maryland (Johns Hopkins Medical Institute) - Adrenal cortical carcinoma
Michigan (Pathology Services of West Michigan) - Adrenal cortical carcinoma
Michigan (St. Joseph Mercy Hospital) - Cortical carcinoma
Michigan (Henry Ford Hospital Residents) - Adrenal cortical carcinoma
New York (Nassau University Medical Center) - Adrenal cortical carcinoma
New York (Stony Brook University Hospital) - Adrenal cortical carcinoma
New York (Westchester Medical Center) - Adrenocortical carcinoma
North Carolina (Womack Army Medical Center) - Adrenocortical carcinoma (5)
Pennsylvania (Allegheny General Hospital) - Adrenal cortical neoplasm, favor malignant
Pennsylvania (Conemaugh Memorial Medical Center) - Adrenal cortical carcinoma
Pennsylvania (Drexel University College of Medicine) - Adrenal cortical carcinoma
Tennessee (Duckworth Pathology Group) - Metastatic hepatocellular carcinoma
Texas (Baylor College of Medicine) - Adrenocortical carcinoma
Texas (Wilford Hall Residents) - Adrenal cortical carcinoma
Texas, Crystal Beach - Adrenocortical carcinoma
Texas, Lubbock - Adrenal cortical carcinoma
Texas, San Antonio - Adrenal cortical carcinoma
West Virginia (Wetzel County Hospital) - Adrenal cortical carcinoma
Australia (Sullivan Nicolaides Pathology) - Adrenal cortical carcinoma
Japan (Hamamatsu University School of Medicine) - Adrenal cortical carcinoma
Japan, Chiba - Adrenal cortical carcinoma, adrenal gland
Puerto Rico (University of Puerto Rico) - Adrenocortical carcinoma
Qatar, Doha - Adrenal cortical carcinoma
Spain (Povisa) - Adrenocortical carcinoma
The Netherlands, Amstelveen - Adrenocortical carcinoma

Case 10 - Diagnosis:

**Adrenal cortical carcinoma, adrenal gland
T-93000, M-8370/3**

Case 10 - References:

- Weiss LM: Comparative Histologic Study Of 43 Metastasizing And Non-Metastasizing Adrenocortical Tumors. *Am J Surg Pathol*, 1984 Mar; 8(3):163-9.
- Lack EE, Mulvihill JJ, Travis WD, Kozakewich HP: Adrenal Cortical Neoplasms In Pediatric And Adolescent Age Group: Clinicopathological Study Of 30 Cases With Emphasis On Epidemiological And Prognostic Factors. *Pathol Annu*, 1992: 27 Pt. 1:1-53. Review.
- Cagle PT, Hough AJ, Pysher TJ, et al: Comparison Of Adrenal Cortical Tumors In Children And Adults. *Cancer*, 1986 Jun 1; 57(11):2235-7.
- Taylor SR, Roederer M, Murphy RF: Flow Cytometric DNA Analysis Of Adrenocortical Tumors In Children. *Cancer*, 1987 Jun 15; 59:2059-63.