



CALIFORNIA
TUMOR TISSUE REGISTRY

“Soft Tissue Tumors”

Minutes – Subscription B

October, 2006



SUGGESTED READING (General Topics from Recent Literature):

- Ipsilateral Breast Tumor Reappearance In Patients Treated With Conservative Surgery After Primary Chemotherapy. The Role Of Surgical Margins On Outcome. Gentilini O, Intra M, Gandini S, et al: *J Surg Oncol*, 2006 Oct 1; 94(5):375-9.
- Immunoreactivity For C-Kit And P63 As An Adjunct In The Diagnosis Of Adenoid Cystic Carcinoma Of The Breast. Mastropasqua MG, Maiorano E, et al. *Mod Pathol*, 2005 Oct; 18:1277-82.
- Results Of Multiple-Slide, Blinded Review Of Papanicolaou Slides In The Context Of Litigation: Determining What Can Be Detected Regularly And Reliably. Renshaw AA, Holladay EB, Geils KB. *Cancer*, 2005 Oct 25; 105:263-9.
- Value Of Estrogen And Progesterone Receptor Immunostaining In Distinguishing Between Peritoneal Mesotheliomas And Serous Carcinomas. Ordonez NG. *Hum Pathol*, 2005 Nov; 36:1163-7.
- Lymphomas Of The Female Genital Tract: A Study Of 186 Cases And Review Of The Literature. Kosari F, Daneshbod Y, et al. *Am J Surg Pathol*, 2005 Nov; 29:1512-20.

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FILE DIAGNOSES

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

CTTR Subscription B

Case 1:

Atrial/Cardiac myxoma
T-32100, M-8840/0

Case 2:

Aggressive angiomyxoma, vagina
T-81000, M-88940/0

Case 3:

Angiomyolipoma, kidney
T-71000, M-8860/0

Case 4:

Mesenteric fibromatosis, small bowel mesentery
T-64000, M-76100

Case 5:

Hemangiopericytoma, leg
T-Y9400, M-9150/1

Case 6:

Inflammatory malignant fibrous histiocytoma, left adrenal gland
T-93000, M-8830/3

Case 7:

Myxofibrosarcoma (myxoid MFH), shoulder
T-Y1220, M-8830/3

Case 8:

High-grade pleomorphic sarcoma, possibly dedifferentiated liposarcoma, arm
T-Y8000, M-8802/3

Case 9:

Atypical/symplastic leiomyoma, uterus
T-82000, M-8890/0

Case 10:

Leiomyosarcoma, leg
T-Y9400, M-8890/3

Escondido - Cardiac myxoma
Glendale - Atrial myxoma
Mountain View (El Camino Pathology) - Atrial myxoma
Orange (UCI Medical Center Residents) - Cardiac myxoma
Palo Alto (Palo Alto Pathology) - Infarcted myxoma vs inflammatory pseudotumor
Sacramento (U.C. Davis Residents) - Myxoma
San Diego (UCSD) - Atrial myxoma
San Francisco (San Francisco General Hospital) - Myxoma
San Francisco (UCSF Residents) - Cardiac myxoma
Arkansas (University of Arkansas Medical Center) - Atrial myxoma, heart
Florida (Winter Haven Hospital) - Mesothelial cell proliferation (1); Mesothelial/macrophage cardiac excrescence (1)
Georgia, Decatur - Cardiac myxoma
Illinois (Heartland Regional Medical Center) - Cardiac myxoma
Illinois (Loyola University Medical Center) - Cardiac myxoma
Kansas (Coffeyville Regional Medical Center) - Cardiac myxoma
Kansas (Peterson Laboratory Services) - Myxoma
Kansas (Physicians Reference Laboratory) - Myxoma
Kentucky (University of Louisville Hospital) - Myxoma
Louisiana (Louisiana State University Health Science Center) - Myxoma
Maryland (University of Maryland Medical Center) - Atrial myxoma
Michigan (Henry Ford Hospital Residents) - Cardiac myxoma
Michigan (St. Joseph Mercy Hospital) - Myxoma
Michigan, Ann Arbor - Cardiac myxoma
Montana, Missoula - Myxoma
New York (Nassau University Medical Center) - Myxoma
New York (SUNY Downstate Medical Center) - Atrial Myxoma
North Carolina (Wake Forest University Medical Center) - Atrial myxoma
North Carolina (Womack Army Medical Center) - Atrial myxoma (4)
Ohio (Summa Health System Pathology) - Atrial myxoma
Ohio (University of Toledo/University Medical Center) - Atrial myxoma
Pennsylvania (Conemaugh Memorial Medical Center) - Atrial myxoma
Pennsylvania (Drexel University College of Medicine) - Atrial myxoma
Texas (Scott & White Hospital) - Myxoma
Texas (The Methodist Hospital) - Cardiac myxoma
Texas, Lubbock - Myxoma
West Virginia (Wetzel County Hospital) - Myxoma
Australia (Sullivan Nicolaides Pathology) - Cardiac myxoma
Canada (Pasqua Hospital) - Cardiac myxoma
Canada (University Hospital of Sherbrooke) - Cardiac myxoma
China (Sir Run Run Shaw Hospital) - Cardiac myxoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Atrial myxoma
Japan (Gunma University Hospital) - Cardiac myxoma
Japan (Hamamatsu University School of Medicine) - Cardiac myxoma
Japan, Chiba - Cardiac myxoma
Puerto Rico (University of Puerto Rico) - Cardiac myxoma
Qatar (Hamad Medical Corporation) - Left atrial myxoma
Saudi Arabia (King Fahad National Guard Hospital) - Atrial myxoma
Saudi Arabia (AlHassa Group, KSA) - Atrial myxoma
Singapore (KK Women's and Children's Hospital) - Atrial myxoma
Spain (Povisa) - Myxoma
The Netherlands, Amstelveen - Myxoma of the atrium
United Kingdom (Oxford Study Group) - Atrial myxoma

Case 1 - Diagnosis:**Atrial/Cardiac myxoma****T-32100, M-8840/0****Case 1 - References:**

Bajraktari G, Emini M, Berisha V, et al: Giant Left Atrial Myxoma In An Elderly Patient: Natural History Over A 7-Year Period. *J Clin Ultrasound*, 2006 Oct 5 (Epub ahead of print).

Dias RR, Stolf NA, Malbouissou LM, et al: Morbidity And Embolic Potential Of Left Atrial Cardiac Tumors. *Thorac Cardiovasc Surg*, 2006 Sep; 54(6):400-3.

Biyik I, Acar S, Ergene O: Left Atrial Mobile Hydatid Cyst Mimicking Left Atrial Myxoma And Mitral Stenosis And Causing Heart Failure And Arrhythmia. *Int J Cardiovasc Imaging*, 2006 Jul 26 (Epub ahead of print).

Yilmaz M, Gurbuz O, Cengiz M: Multicentric Cardiac Myxoma Treated With Extended Surgery. *J Int Med Res*, 2006 May-Jun; 34(3):331-4.

Orlandi A, Ciucci A, Ferlosio A, et al: Cardiac Myxoma Cells Exhibit Embryonic Endocardial Stem Cell Features. *J Pathol*, 2006 Jun; 209(2):231-9.

Case No. 2 - Accession No. 29818

October, 2006

Escondido - Fibroepithelial stromal polyp
Glendale - Fibroepithelial polyp
Mountain View (El Camino Pathology) - Aggressive angiomyxoma
Orange (UCI Medical Center Residents) - Aggressive angiomyxoma
Palo Alto (Palo Alto Pathology) - Angiomyxoma and VAIN I-II, HPV
Sacramento (U.C. Davis Residents) - Angiomyxoma
San Diego (UCSD) - VAIN III occurring with a fibroepithelial polyp with stromal atypia
San Francisco (San Francisco General Hospital) - Aggressive angiomyxoma
San Francisco (UCSF Residents) - Benign fibroepithelial polyp with pseudosarcomatous change (Norris HJ, *Cancer*, 1966 Feb; 19(2):227-32)
Arkansas (University of Arkansas Medical Center) - Angiomyxoma, vagina
Florida (Winter Haven Hospital) - Angiomyxoma (2), aggressive (1)
Georgia, Decatur - Fibroepithelial polyp
Illinois (Heartland Regional Medical Center) - Benign stromal polyp with ulceration and HGSIL of epithelium
Illinois (Loyola University Medical Center) - Vaginal stromal polyp
Kansas (Coffeyville Regional Medical Center) - Aggressive angiomyxoma
Kansas (Peterson Laboratory Services) - Vaginal polyp
Kansas (Physicians Reference Laboratory) - Aggressive angiomyxoma
Kentucky (University of Louisville Hospital) - Cellular angiofibroma
Louisiana (Louisiana State University Health Science Center) - Inflamed angiomyxoma
Maryland (University of Maryland Medical Center) - Fibroepithelial polyp
Michigan (Henry Ford Hospital Residents) - Aggressive angiomyxoma, vagina
Michigan (St. Joseph Mercy Hospital) - Inflammatory pseudotumor
Michigan, Ann Arbor - Aggressive angiomyxoma
Montana, Missoula - Inflamed fibroepithelial stromal polyp
New York (Nassau University Medical Center) - Aggressive angiomyxoma
New York (SUNY Downstate Medical Center) - Aggressive angiomyxoma vs vaginal stromal polyp
North Carolina (Wake Forest University Medical Center) - Aggressive angiomyxoma
North Carolina (Womack Army Medical Center) - Angiomyofibroblastoma (4)
Ohio (Summa Health System Pathology) - Aggressive angiomyxoma
Ohio (University of Toledo/University Medical Center) - Fibroepithelial stromal polyp with high-grade VAIN
Pennsylvania (Conemaugh Memorial Medical Center) - Aggressive angiomyxoma
Pennsylvania (Drexel University College of Medicine) - Aggressive angiomyxoma
Texas (Scott & White Hospital) - Aggressive angiomyxoma
Texas (The Methodist Hospital) - Spindle cell rhabdomyosarcoma
Texas, Lubbock - Embryonal rhabdomyosarcoma
West Virginia (Wetzel County Hospital) - Aggressive angiomyxoma
Australia (Sullivan Nicolaides Pathology) - Fibroepithelial polyp with stromal atypia
Canada (Pasqua Hospital) - Superficial angiomyxoma
Canada (University Hospital of Sherbrooke) - Angiomyxoma
China (Sir Run Run Shaw Hospital) - Aggressive angiomyxoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Fibroepithelial polyp
Japan (Gunma University Hospital) - Aggressive angiomyxoma
Japan (Hamamatsu University School of Medicine) - Cellular angiofibroma
Japan, Chiba - Deep angiomyoma
Puerto Rico (University of Puerto Rico) - Vaginal stromal polyp
Qatar (Hamad Medical Corporation) - Angiomyofibroblastoma
Saudi Arabia (King Fahad National Guard Hospital) - Fibroepithelial polyp

Saudi Arabia (AlHassa Group, KSA) - Fibroepithelial polyp
Singapore (KK Women's and Children's Hospital) - Fibroepithelial polyp. DDX: Angiomyofibroblastoma
Spain (Povisa) - Fibroepithelial polyps
The Netherlands, Amstelveen - Angiomyxoma
United Kingdom (Oxford Study Group) - Vagina – Aggressive angiomyxoma

Case 2 - Diagnosis:

Aggressive angiomyxoma, vagina
T-81000, M-8894/0

Case 2 - References:

Ribaldone R, Plantanida P, Surico D, et al: Aggressive Angiomyxoma Of The Vulva. *Gynecol Oncol*, 2004 Dec; 95(3):724-8.
Gungor T, Zengeroglu S, Kaleli A, Kuzey GM: Aggressive Angiomyxoma Of The Vulva And Vagina. A Common Problem: Misdiagnosis. *Eur J Obstet Gynecol Reprod Biol*, 2004 Jan 15; 112(1):114-6.
Papachristou DJ, Batistatou A, Paraskevaidis E, Agnantis NJ: Aggressive Angiomyxoma Of the Vagina: A Case Report And Review Of The Literature. *Eur J Gynaecol Oncol*, 2004; 25(4):519-21.
Shahid N, Ahluwalia A, Sahasrabudhe N, Davenport A: Aggressive Angiomyxoma Of The Vagina: A Rare Differential Diagnosis Of A Lateral Vaginal Wall Cyst. *J Obstet Gynecol*, 2005 Aug; 25(6):622-3.
Rai L, Nandyala V, Shetty J, et al: Aggressive Angiomyxoma: An Important Differential Diagnosis For A Vaginal Mass. *Aust N Z J Obstet Gynaecol*, 2004 Aug; 44(4):367-8.

Case No. 3 - Accession No. 30076

October, 2006

Escondido - Angiomyolipoma
Glendale - Angiomyolipoma
Mountain View (El Camino Pathology) - Angiomyolipoma
Orange (UCI Medical Center Residents) - Angiomyolipoma
Palo Alto (Palo Alto Pathology) - Angiomyolipoma (do HMB-45)
Sacramento (U.C. Davis Residents) - Angiomyolipoma
San Diego (UCSD) - Angiomyolipoma
San Francisco (San Francisco General Hospital) - Angiolipoma
San Francisco (UCSF Residents) - Angiomyolipoma
Arkansas (University of Arkansas Medical Center) - Angiomyolipoma, kidney
Florida (Winter Haven Hospital) - Angiolipoma (1); Angiomyolipoma (1)
Georgia, Decatur - Angiomyolipoma
Illinois (Heartland Regional Medical Center) - Angiomyolipoma
Illinois (Loyola University Medical Center) - Angiomyolipoma
Kansas (Coffeyville Regional Medical Center) - Angiomyolipoma
Kansas (Peterson Laboratory Services) - Angiomyolipoma
Kansas (Physicians Reference Laboratory) - Angiomyolipoma
Kentucky (University of Louisville Hospital) - Angiomyolipoma
Louisiana (Louisiana State University Health Science Center) - Angiomyolipoma
Maryland (University of Maryland Medical Center) - Angiomyolipoma
Michigan (Henry Ford Hospital Residents) - Angiomyolipoma, kidney
Michigan (St. Joseph Mercy Hospital) - Angiomyolipoma
Michigan, Ann Arbor - Angiomyolipoma
Montana, Missoula - Angiomyolipoma
New York (Nassau University Medical Center) - Angiomyolipoma
New York (SUNY Downstate Medical Center) - Angiomyolipoma
North Carolina (Wake Forest University Medical Center) - Angiomyolipoma
North Carolina (Womack Army Medical Center) - Angiomyolipoma (4)
Ohio (Summa Health System Pathology) - Angiomyolipoma
Ohio (University of Toledo/University Medical Center) - Angiomyolipoma
Pennsylvania (Conemaugh Memorial Medical Center) - Angiomyolipoma
Pennsylvania (Drexel University College of Medicine) - Angiomyolipoma
Texas (Scott & White Hospital) - Angiomyolipoma
Texas (The Methodist Hospital) - Angiomyolipoma
Texas, Lubbock - Angiomyolipoma

West Virginia (Wetzel County Hospital) - Angiomyolipoma
Australia (Sullivan Nicolaides Pathology) - Angiomyolipoma
Canada (Pasqua Hospital) - Angiomyolipoma
Canada (University Hospital of Sherbrooke) - Angiomyolipoma
China (Sir Run Run Shaw Hospital) - Angiomyolipoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Angiomyolipoma
Japan (Gunma University Hospital) - Angiomyolipoma
Japan (Hamamatsu University School of Medicine) - Angiomyolipoma
Japan, Chiba - Angiomyolipoma
Puerto Rico (University of Puerto Rico) - Angiomyolipoma
Qatar (Hamad Medical Corporation) - Angiomyolipoma
Saudi Arabia (King Fahad National Guard Hospital) - Angiomyolipoma
Saudi Arabia (AlHassa Group, KSA) - Angiomyolipoma
Singapore (KK Women's and Children's Hospital) - Angiomyolipoma
Spain (Povisa) - Angiomyolipoma
The Netherlands, Amstelveen - Angiomyolipoma of the kidney
United Kingdom (Oxford Study Group) - Right kidney - angiomyolipoma

CASE 3 - Diagnosis:

Angiomyolipoma, kidney
T-71000, M-8860/0

Case 3 - References:

Inci O, Kaplan M, Yalcin O, et al: Renal Angiomyolipoma With Malignant Transformation, Simultaneous Occurrence With Malignancy And Other Complex Clinical Situations. *Int Urol Nephrol*, 2006 Oct, Oct 10 (Epub ahead of print)
 Schlomer B, Figenshau RS, Yan Y, et al: Pathological Features Of Renal Neoplasms Classified By Size And Symptomatology. *J Urol*, 2006 Oct; 176(4 Pt 1):1317-20, discussion 1320.
 Pancholi V, Munjal K, Jain M: Preoperative Diagnosis Of Renal Angiomyolipoma With Fine Needle Aspiration Cytology: A Report Of Three Cases. *Acta Cytol*, 2006 Jul-Aug; 50(4):466-8.
 Serrano Frago P, Del Agua Arias Camison C, Gil Sanz MJ, et al: Controversies Related To Epithelioid Variant Of Renal Angiomyolipoma: A Review Of the Literature. *Urology*, 2006 Apr; 67(4):846.e3-5, Epub 2006 Apr 5, Review.

Case No. 4 - Accession No. 28944

October, 2006

Escondido - Well-differentiated liposarcoma
Glendale - Aggressive mesenteric fibromatosis
Mountain View (El Camino Pathology) - Fibromatosis
Orange (UCI Medical Center Residents) - Mesenteric fibromatosis (extra-abdominal)
Palo Alto (Palo Alto Pathology) - Mesenteric fibromatosis
Sacramento (U.C. Davis Residents) - Fibromatosis
San Diego (UCSD) - Desmoid (fibromatosis)
San Francisco (San Francisco General Hospital) - Desmoid
San Francisco (UCSF Residents) - Mesenteric fibromatosis
Arkansas (University of Arkansas Medical Center) - Intra-abdominal (mesenteric) fibromatosis
Florida (Winter Haven Hospital) - Desmoid fibromatosis (2)
Georgia, Decatur - Omental myxoid hamartoma
Illinois (Heartland Regional Medical Center) - Mesenteric fibromatosis
Illinois (Loyola University Medical Center) - Mesenteric fibromatosis
Kansas (Coffeyville Regional Medical Center) - Neurofibroma
Kansas (Peterson Laboratory Services) - Mesenteric fibromatosis
Kansas (Physicians Reference Laboratory) - Desmoid tumor
Kentucky (University of Louisville Hospital) - Gastrointestinal stromal tumor
Louisiana (Louisiana State University Health Science Center) - Mesenteric desmoid fibromatosis
Maryland (University of Maryland Medical Center) - Desmoid fibromatosis
Michigan (Henry Ford Hospital Residents) - Mesenteric fibromatosis
Michigan (St. Joseph Mercy Hospital) - Myxoid malignant fibrous histiocytoma
Michigan, Ann Arbor - Fibromatosis

Montana, Missoula - Desmoid tumor
New York (Nassau University Medical Center) - Atypical lipomatous lesion
New York (SUNY Downstate Medical Center) - Desmoid fibromatosis
North Carolina (Wake Forest University Medical Center) - Mesenteric fibromatosis versus hypocellular GIST
North Carolina (Womack Army Medical Center) - Intra-abdominal desmoid (4)
Ohio (Summa Health System Pathology) - Desmoid (fibromatosis)
Ohio (University of Toledo/University Medical Center) - Abdominal (desmoid) fibromatosis
Pennsylvania (Conemaugh Memorial Medical Center) - Mesenteric desmoid fibromatosis
Pennsylvania (Drexel University College of Medicine) - Desmoid type fibromatoses
Texas (Scott & White Hospital) - Benign myxoid spindle cell neoplasm
Texas (The Methodist Hospital) - Mesenteric fibromatosis
Texas, Lubbock - Neurofibroma
West Virginia (Wetzel County Hospital) - Low-grade fibromyxoid sarcoma
Australia (Sullivan Nicolaides Pathology) - Mesenteric fibromatosis
Canada (Pasqua Hospital) - Mesenteric fibromatosis
Canada (University Hospital of Sherbrooke) - Mesenteric fibromatosis
China (Sir Run Run Shaw Hospital) - Fibromatosis
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Fibromatosis
Japan (Gunma University Hospital) - Intra-abdominal fibromatosis
Japan (Hamamatsu University School of Medicine) - Desmoid-type fibromatosis
Japan, Chiba - Mesenteric fibromatosis
Puerto Rico (University of Puerto Rico) - Mesenteric fibromatosis
Qatar (Hamad Medical Corporation) - Mesenteric fibromatosis
Saudi Arabia (King Fahad National Guard Hospital) - Desmoid fibromatosis
Saudi Arabia (AlHassa Group, KSA) - Fibromatosis
Singapore (KK Women's and Children's Hospital) - Deep fibromatosis (desmoid tumour)
Spain (Povisa) - Desmoid tumor
The Netherlands, Amstelveen - Fibromyxosarcoma of the mesentery
United Kingdom (Oxford Study Group) - Small bowel mesentery – Intra-abdominal fibromatosis

Case 4 - Diagnosis:

Mesenteric fibromatosis, small bowel mesentery

T-64000, M-76100

Director's Note: There is a relatively high association with Gardner's Syndrome concurrent with this lesion. (drc)

Case 4 - References:

Colombo P, Rahal D, Grizzi F, et al: Localized Intra-Abdominal Fibromatosis Of The Small Bowel Mimicking A Gastrointestinal Stromal Tumor: A Case Report. *World J Gastroenterol*, 2005 Sep 7; 11(33):5226-8.
 Singal Ak, Agarwala S, Mannan SA, et al: Diffuse Intra-Abdominal Fibromatosis: Report Of A New Entity With Review Of The Literature. *Trop Gastroenterol*, 2004 Jan-Mar; 25(1):28-31.
 Ichikawa T, Koyama A, Fujimoto H, et al: Abdominal Wall Desmoid Mimicking Intra-Abdominal Mass. MR Features. *Magn Reson Imaging*, 1994; 12(3):541-4.
 Burke AP, Sobin LH, Shekitka KM: Mesenteric Fibromatosis. A Follow-Up Study. *Arch Pathol Lab Med*, 1990 Aug; 114(8):832-5.

Case No. 5 - Accession No. 29953

October, 2006

Escondido - Spindle cell hemangioma
Glendale - Aneurysmal dermatofibroma
Mountain View (El Camino Pathology) - Benign fibrous histiocytoma, deep
Orange (UCI Medical Center Residents) - Haemangiopericytoma
Palo Alto (Palo Alto Pathology) - Hemangiopericytoma
Sacramento (U.C. Davis Residents) - Hemangiopericytoma
San Diego (UCSD) - Angiomatoid fibrous histiocytoma
San Francisco (San Francisco General Hospital) - Benign lymphangioendothelioma
San Francisco (UCSF Residents) - Hemangiopericytoma
Arkansas (University of Arkansas Medical Center) - Hemangiopericytoma, leg

Florida (Winter Haven Hospital) - Benign fibrous histiocytoma (2)
Georgia, Decatur - Aneurysmal fibrous histiocytoma
Illinois (Heartland Regional Medical Center) - Epithelioid hemangioma
Illinois (Loyola University Medical Center) - Angiomatoid fibrous histiocytoma
Kansas (Coffeyville Regional Medical Center) - Glomangioma/pericytoma
Kansas (Peterson Laboratory Services) - Cellular fibrous histiocytoma
Kansas (Physicians Reference Laboratory) - Hemangiopericytoma, with hemosiderin
Kentucky (University of Louisville Hospital) - Spindle cell hemangioendothelioma
Louisiana (Louisiana State University Health Science Center) - Hemangiopericytoma
Maryland (University of Maryland Medical Center) - Myopericytoma
Michigan (Henry Ford Hospital Residents) - Angiomatoid fibrous histiocytoma, leg
Michigan (St. Joseph Mercy Hospital) - Benign fibrous histiocytoma
Michigan, Ann Arbor - Kaposi's sarcoma
Montana, Missoula - Angiomatoid fibrous histiocytoma
New York (Nassau University Medical Center) - Aneurysmal fibrous histiocytoma
New York (SUNY Downstate Medical Center) - Hemangioendothelioma vs Angiomatoid MFH
North Carolina (Wake Forest University Medical Center) - Hemangiopericytoma
North Carolina (Womack Army Medical Center) - Angiomatoid fibrous histiocytoma (4)
Ohio (Summa Health System Pathology) - Deep fibrous histiocytoma
Ohio (University of Toledo/University Medical Center) - Aneurysmal fibrous histiocytoma
Pennsylvania (Conemaugh Memorial Medical Center) - Hemangiopericytoma
Pennsylvania (Drexel University College of Medicine) - Hemangiopericytoma
Texas (Scott & White Hospital) - Angiomyxoid fibrous histiocytoma
Texas (The Methodist Hospital) - Myopericytoma
Texas, Lubbock - Hemangiopericytoma
West Virginia (Wetzel County Hospital) - Hemangioendothelioma
Australia (Sullivan Nicolaides Pathology) - Aneurysmal dermatofibroma
Canada (Pasqua Hospital) - Aneurysmal fibrous histiocytoma
Canada (University Hospital of Sherbrooke) - Fibrous histiocytoma (angiomatoid)
China (Sir Run Run Shaw Hospital) - Solitary fibrous tumor/haemangiopericytoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Hemangiopericytoma
Japan (Gunma University Hospital) - Angiomatoid fibrous histiocytoma
Japan (Hamamatsu University School of Medicine) - Myopericytoma
Japan, Chiba - Verrucous hemangioma
Puerto Rico (University of Puerto Rico) - Retiform hemangioendothelioma
Qatar (Hamad Medical Corporation) - Epithelioid hemangioendothelioma
Saudi Arabia (King Fahad National Guard Hospital) - Aneurysmal fibrous histiocytoma
Saudi Arabia (AlHassa Group, KSA) - Hemangiopericytoma
Singapore (KK Women's and Children's Hospital) - Aneurysmal fibrous histiocytoma
Spain (Povisa) - Angiomatoid histiocytoma (dermatofibroma aneurysmal variant)
The Netherlands, Amstelveen - Haemangioma
United Kingdom (Oxford Study Group) - Right leg – Aneurysmal dermatofibroma

Case 5 - Diagnosis:

Hemangiopericytoma, leg
T-Y9400, M-9150/1

Case 5 - References:

- Pavelic K, Spaventi S, Gluncic V, et al: The Expression And Role Of Insulin-Like Growth Factor II In Malignant Hemangiopericytomas. *J Mod Med*, 1999 Dec; 77(12):865-9.
 Daugaard S, Hultberg BM, Hou-Jensen K, Mouridsen HT: Clinical Features Of Malignant Haemangiopericytomas And Haemangioendotheliosarcomas. *Acta Oncol*, 1988; 27(3):209-13.
 Bernhard LM, Brant RG, Bakst MJ, et al: Hypertrophic Hemangioma vs. Hemangiopericytoma. *J Foot Surg*, 1983, Winter; 22(4):308-13.
 Mazzei M, Millanta F, Citi S, et al: Haemangiopericytoma: Histological Spectrum, Immunohistochemical Characterization And Prognosis. *Vet Dermatol*, 2002 Feb; 13(1):15-21.
 Lauinger JM, Beadle N, Thisyakorn U: Ten-Year-Old Boy With Hemangiopericytoma And Human Immunodeficiency Virus Infection. *Pediatr Infect Dis J*, 2001 May; 20(3):321-3.
 Saldanha P, Pai R: Haemangiopericytoma – An Unusual Tumour – A Report Of 5 Cases. *Indian J Med Sci*, 2001 Jan; 55(1):53-7.

Escondido - Chloroma
Glendale - Inflammatory myofibroblastic tumor
Mountain View (El Camino Pathology) - Inflammatory myofibroblastic tumor
Orange (UCI Medical Center Residents) - Inflammatory fibroblastic tumor
Palo Alto (Palo Alto Pathology) - Angiomyeloma
Sacramento (U.C. Davis Residents) - Inflammatory pseudotumor
San Diego (UCSD) - Inflammatory malignant fibrous histiocytoma
San Francisco (San Francisco General Hospital) - Inflammatory myofibroblastic pseudotumor
San Francisco (UCSF Residents) - Inflammatory MFH (majority); Inflammatory myofibroblastic tumor (minority); Hodgkin's lymphoma (1)
Arkansas (University of Arkansas Medical Center) - Inflammatory myofibroblastic tumor, adrenal gland
Florida (Winter Haven Hospital) - Rosai-Dorfman Disease (2)
Georgia, Decatur - Inflammatory fibroid polyp
Illinois (Heartland Regional Medical Center) - Histiocytic lymphoma
Illinois (Loyola University Medical Center) - Inflammatory pseudotumor
Kansas (Coffeyville Regional Medical Center) - Inflammatory malignant fibrous histiocytoma
Kansas (Peterson Laboratory Services) - Granulocytic sarcoma
Kansas (Physicians Reference Laboratory) - Inflammatory myofibroblastic tumor
Kentucky (University of Louisville Hospital) - Inflammatory myofibroblastic tumor
Louisiana (Louisiana State University Health Science Center) - Inflammatory myofibroblastic tumor
Maryland (University of Maryland Medical Center) - Inflammatory myofibroblastic tumor
Michigan (Henry Ford Hospital Residents) - Anaplastic large cell lymphoma, adrenal
Michigan (St. Joseph Mercy Hospital) - Inflammatory myofibroblastic pseudotumor
Michigan, Ann Arbor - Malakoplakia
Montana, Missoula - Inflammatory pseudotumor
New York (Nassau University Medical Center) - Epithelioid hemangioma with eosinophilia
New York (SUNY Downstate Medical Center) - Inflammatory myofibroblastic tumor vs inflammatory MFH
North Carolina (Wake Forest University Medical Center) - Inflammatory myofibroblastic tumor
North Carolina (Womack Army Medical Center) - Inflammatory myofibroblastic tumor (4)
Ohio (Summa Health System Pathology) - Inflammatory myofibroblastic tumor
Ohio (University of Toledo/University Medical Center) - Inflammatory myofibroblastic tumor
Pennsylvania (Conemaugh Memorial Medical Center) - Inflammatory myofibroblastic tumor
Pennsylvania (Drexel University College of Medicine) - Inflammatory malignant fibrous histiocytoma
Texas (Scott & White Hospital) - Inflammatory myofibroblastic tumor
Texas (The Methodist Hospital) - Inflammatory myofibroblastic tumor
Texas, Lubbock - Histiocytic sarcoma
West Virginia (Wetzel County Hospital) - Hodgkin's Disease
Australia (Sullivan Nicolaides Pathology) - Inflammatory pseudotumor
Canada (Pasqua Hospital) - Inflammatory myofibroblastic tumor
Canada (University Hospital of Sherbrooke) - Inflammatory myofibroblastic tumor
China (Sir Run Run Shaw Hospital) - Malignant fibrous histiocytoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Inflammatory myofibroblastic tumor
Japan (Gunma University Hospital) - Inflammatory myofibroblastic tumor
Japan (Hamamatsu University School of Medicine) - Epithelioid hemangioma
Japan, Chiba - Inflammatory malignant fibrous histiocytoma
Puerto Rico (University of Puerto Rico) - Inflammatory pseudotumor
Qatar (Hamad Medical Corporation) - 1) Histiocytic/granulocytic sarcoma (3); 2) Inflammatory myofibroblastic tumor (3)
Saudi Arabia (King Fahad National Guard Hospital) - Inflammatory myofibroblastic tumor
Saudi Arabia (AlHassa Group, KSA) - Inflammatory myofibroblastic tumor
Singapore (KK Women's and Children's Hospital) - Hodgkin lymphoma ?
Spain (Povisa) - Chloroma
The Netherlands, Amstelveen - Inflammatory myofibroblastic tumor (inflammatory pseudotumor) of the adrenal gland
United Kingdom (Oxford Study Group) - Left adrenal gland – Inflammatory myofibroblastic sarcoma

Case 6 - Diagnosis:**Inflammatory malignant fibrous histiocytoma, adrenal gland****T-93000, M-8830/3**

Director's Note: Very aggressive clinical course in the retroperitoneum allows this designation over "pseudo-tumor".
(drc)

Case 6 - References:

- Pekic S, Damjanovic S, Djurovic M, et al: Retroperitoneal Malignant Fibrous Histiocytoma Mimicking Pheochromocytoma. *Endocrine*, 2004 Jun; 24(1):99-103.
- Saoloa IM, Gupta N, Bansal D, et al: Malignant Fibrous Histiocytoma (Inflammatory Variant) In A Child Presenting As Paraparesis. *Fetal & Pediatric Pathology*, 2004 Sep-Dec; 23(5-6):319-23.
- Pedeutour F, Aurias A: Inflammatory Malignant Fibrous Histiocytoma And Dedifferentiated Liposarcomas: Histological Review, Genomic Profile, And MDM2 And CDK4 Status Favour A Single Entity. *Journal Of Pathology*, 2004 Jul; 203(3):822-30.

Case No. 7 - Accession No. 29957

October, 2006

Escondido - Myxoid malignant fibrous histiocytoma
Glendale - Spindle cell liposarcoma
Mountain View (El Camino Pathology) - Myxofibrosarcoma (myxoid MFH)
Orange (UCI Medical Center Residents) - Myxoid malignant fibrohistiocytoma
Palo Alto (Palo Alto Pathology) - Myxoid MFH
Sacramento (U.C. Davis Residents) - Myxofibrosarcoma
San Diego (UCSD) - High-grade myxofibrosarcoma
San Francisco (San Francisco General Hospital) - Myxoid liposarcoma vs rhabdomyosarcoma
San Francisco (UCSF Residents) - Myxofibrosarcoma
Arkansas (University of Arkansas Medical Center) - Myxofibrosarcoma, shoulder
Florida (Winter Haven Hospital) - Myxoid liposarcoma (2)
Georgia, Decatur - Myxoid MFH
Illinois (Heartland Regional Medical Center) - Spindle cell sarcoma, high-grade
Illinois (Loyola University Medical Center) - Myxoid MFH
Kansas (Coffeyville Regional Medical Center) - Malignant fibrous histiocytoma, pleomorphic type
Kansas (Peterson Laboratory Services) - Liposarcoma, dedifferentiated
Kansas (Physicians Reference Laboratory) - Atypical fibroxanthoma, need immunoperoxidase stains
Kentucky (University of Louisville Hospital) - Myxofibrosarcoma
Louisiana (Louisiana State University Health Science Center) - Myxoid MFH
Maryland (University of Maryland Medical Center) - High-grade spindle cell sarcoma, favor pleomorphic liposarcoma
Michigan (Henry Ford Hospital Residents) - Myxoid malignant fibrous histiocytoma, shoulder
Michigan (St. Joseph Mercy Hospital) - Malignant fibrous histiocytoma
Michigan, Ann Arbor - Myxoid MFH
Montana, Missoula - Malignant peripheral nerve sheath tumor
New York (Nassau University Medical Center) - Pleomorphic schwannoma
New York (SUNY Downstate Medical Center) - Liposarcoma, Grade II vs Myxofibrosarcoma (Myxoid MFH)
North Carolina (Wake Forest University Medical Center) - Intermediate grade myxofibrosarcoma
North Carolina (Womack Army Medical Center) - Myxoid malignant fibrous histiocytoma (4)
Ohio (Summa Health System Pathology) - Mixed liposarcoma
Ohio (University of Toledo/University Medical Center) - Myxoid malignant fibrous histiocytoma
Pennsylvania (Conemaugh Memorial Medical Center) - Malignant peripheral nerve sheath tumor
Pennsylvania (Drexel University College of Medicine) - Myxoid malignant fibrous histiocytoma
Texas (Scott & White Hospital) - High-grade pleomorphic sarcoma (MFH)
Texas (The Methodist Hospital) - Myxofibrosarcoma
Texas, Lubbock - Liposarcoma
West Virginia (Wetzel County Hospital) - Malignant fibrous histiocytoma
Australia (Sullivan Nicolaides Pathology) - Myxofibrosarcoma
Canada (Pasqua Hospital) - Myofibrosarcoma
Canada (University Hospital of Sherbrooke) - Myxofibrosarcoma
China (Sir Run Run Shaw Hospital) - Myxoid liposarcoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Sarcoma with myxoid feature
Japan (Gunma University Hospital) - Myxoid MFH
Japan (Hamamatsu University School of Medicine) - Myxofibrosarcoma
Japan, Chiba - Myxoid malignant fibrous histiocytoma
Puerto Rico (University of Puerto Rico) - Pleomorphic sarcoma/MFH

[Qatar \(Hamad Medical Corporation\)](#) - Malignant fibrous histiocytoma
[Saudi Arabia \(King Fahad National Guard Hospital\)](#) - Ischemic fasciitis
[Saudi Arabia \(AlHassa Group, KSA\)](#) - High-grade sarcoma
[Singapore \(KK Women's and Children's Hospital\)](#) - Myxoid malignant fibrous histiocytoma
[Spain \(Povisa\)](#) - Myxofibrosarcoma
[The Netherlands, Amstelveen](#) - Myxofibrosarcoma (MFH) of the shoulder
[United Kingdom \(Oxford Study Group\)](#) - Right shoulder – Myxoid fibrosarcoma

Case 7 - Diagnosis:

Myxofibrosarcoma (myxoid MFH), shoulder
T-Y1220, M-8830/3

Case 7 - References:

Capovilla M, Birembaut P: Primary Cutaneous Myxofibrosarcoma Mimicking Pleomorphic Hyalinizing Angiectatic Tumor (PHAT): A Potential Diagnostic Pitfall. *Am J Dermatopathol*, 2006 Jun; 28(3):276-7.
 Ohguri T, Hisaoka M, Kawauchi S, et al: Cytogenetic Analysis Of Myxoid Liposarcoma And Myxofibrosarcoma By Array-Based Comparative Genomic Hybridisation. *J Clin Pathol*, 2006 Sep; 59(9):978-83.
 Fujimura T, Okuyama R, Terui T, et al: Myxofibrosarcoma (Myxoid Malignant Fibrous Histiocytoma) Showing Cutaneous Presentation: Report Of Two Cases. *J Cutan Pathol*, 2005 Aug; 32(7):512-5.
 Antonescu CR, Baren A: Spectrum Of Low-Grade Fibrosarcomas: A Comparative Ultrastructural Analysis Of Low-Grade Myxofibrosarcoma and Fibromyxoid Sarcoma. *Ultrastruct Pathol*, 2004 Sep-Dec; 28(5-6):321-32.

Case No. 8 - Accession No. 30004

October, 2006

[Escondido](#) - Malignant fibrous histiocytoma
[Glendale](#) - Inflammatory malignant fibrous histiocytoma
[Mountain View \(El Camino Pathology\)](#) - Dedifferentiated liposarcoma
[Orange \(UCI Medical Center Residents\)](#) - Fibromatosis with atypical nuclei
[Palo Alto \(Palo Alto Pathology\)](#) - Giant cell MFH
[Sacramento \(U.C. Davis Residents\)](#) - Malignant peripheral nerve sheath tumor
[San Diego \(UCSD\)](#) - Undifferentiated pleomorphic sarcoma with giant cells
[San Francisco \(San Francisco General Hospital\)](#) - Malignant epithelioid hemangioendothelioma
[San Francisco \(UCSF Residents\)](#) - Pleomorphic rhabdomyosarcoma
[Arkansas \(University of Arkansas Medical Center\)](#) - Myxofibrosarcoma, upper arm
[Florida \(Winter Haven Hospital\)](#) - Liposarcoma (2)
[Georgia, Decatur](#) - Acute myxoinflammatory fibroblastic sarcoma
[Illinois \(Heartland Regional Medical Center\)](#) - Spindle cell sarcoma, low-grade
[Illinois \(Loyola University Medical Center\)](#) - MPNST
[Kansas \(Coffeyville Regional Medical Center\)](#) - Malignant fibrous histiocytoma
[Kansas \(Peterson Laboratory Services\)](#) - Malignant fibrous histiocytoma
[Kansas \(Physicians Reference Laboratory\)](#) - Pleomorphic lipoma
[Kentucky \(University of Louisville Hospital\)](#) - Dedifferentiated liposarcoma
[Louisiana \(Louisiana State University Health Science Center\)](#) - Pleomorphic liposarcoma
[Maryland \(University of Maryland Medical Center\)](#) - Sclerosing liposarcoma
[Michigan \(Henry Ford Hospital Residents\)](#) - Malignant fibrous histiocytoma, arm
[Michigan \(St. Joseph Mercy Hospital\)](#) - Malignant fibrous histiocytoma
[Michigan, Ann Arbor](#) - Pleomorphic lipoma
[Montana, Missoula](#) - Pleomorphic sarcoma
[New York \(Nassau University Medical Center\)](#) - Pleomorphic liposarcoma
[New York \(SUNY Downstate Medical Center\)](#) - Leiomyosarcoma, Grade III vs. Myofibroblastic sarcoma
[North Carolina \(Wake Forest University Medical Center\)](#) - Myxoid and inflammatory MFH
[North Carolina \(Womack Army Medical Center\)](#) - Malignant fibrous histiocytoma (4)
[Ohio \(Summa Health System Pathology\)](#) - Pleomorphic MFH
[Ohio \(University of Toledo/University Medical Center\)](#) - Storiform-pleomorphic malignant fibrous histiocytoma
[Pennsylvania \(Conemaugh Memorial Medical Center\)](#) - Dedifferentiated liposarcoma
[Pennsylvania \(Drexel University College of Medicine\)](#) - Pleomorphic liposarcoma
[Texas \(Scott & White Hospital\)](#) - Favor dedifferentiated liposarcoma
[Texas \(The Methodist Hospital\)](#) - Inflammatory malignant fibrous histiocytoma
[Texas, Lubbock](#) - Rhabdomyosarcoma

West Virginia (Wetzel County Hospital) - Clear cell sarcoma
Australia (Sullivan Nicolaides Pathology) - Malignant peripheral nerve sheath tumour
Canada (Pasqua Hospital) - Sarcoma
Canada (University Hospital of Sherbrooke) - “illegible” with pleomorphic cells and myxoid areas
China (Sir Run Run Shaw Hospital) - Malignant schwannoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Pleomorphic sarcoma
Japan (Gunma University Hospital) - Dedifferentiated liposarcoma
Japan (Hamamatsu University School of Medicine) - Dedifferentiated liposarcoma
Japan, Chiba - Pleomorphic malignant fibrous histiocytoma
Puerto Rico (University of Puerto Rico) - Pleomorphic sarcoma/MFH
Qatar (Hamad Medical Corporation) - 1) Malignant fibrous histiocytoma (3); 2) Bizarre proliferative myositis (3)
Saudi Arabia (King Fahad National Guard Hospital) - Pleomorphic MFH
Saudi Arabia (AlHassa Group, KSA) - Malignant fibrous histiocytoma, inflammatory type
Singapore (KK Women’s and Children’s Hospital) - Malignant vascular tumour, favour epithelioid haemangioendothelioma. DDX:
 Epithelioid angiosarcoma
Spain (Povisa) - Malignant fibrous histiocytoma (giant cell form)
The Netherlands, Amstelveen - Pleomorphic sarcoma, upper arm
United Kingdom (Oxford Study Group) - Right upper arm – Undifferentiated sarcoma

Case 8 - Diagnosis:

**High-grade pleomorphic sarcoma, possibly dedifferentiated liposarcoma, arm
 T-Y8000, M-8802/3**

Director’s Note: Some slides also showed an atypical lipomatous neoplasm. (drc)

Case 8 - References:

McCormick D, Mentzel T, Beham A, Fletcher CD: Dedifferentiated Liposarcoma. Clinicopathologic Analysis Of 32 Cases Suggesting A Better Prognostic Subgroup Among Pleomorphic Sarcomas. *Am J Surg Pathol*, 1994 Dec; 18(12):1213-23.
 Henricks WH, Chu Y-C, Goldblum JR, Weiss SW: Dedifferentiated Liposarcoma: A Clinicopathologic Analysis Of 155 Cases. *Am J Surg Pathol*, 1997; 21:271-81.
 Nascimento AG: Dedifferentiated Liposarcoma. *Semin Diagn Pathol*, 2001 Nov; 18(4):263-66.

Case No. 9 - Accession No. 28625

October, 2006

Escondido - Atypical (symplastic) leiomyoma
Glendale - Symplastic leiomyoma
Mountain View (El Camino Pathology) - Atypical leiomyoma with low risk of recurrence
Orange (UCI Medical Center Residents) - Leiomyosarcoma
Palo Alto (Palo Alto Pathology) - Bizarre leiomyoma
Sacramento (U.C. Davis Residents) - Bizarre leiomyoma
San Diego (UCSD) - Atypical leiomyoma
San Francisco (San Francisco General Hospital) - Symplastic leiomyoma
San Francisco (UCSF Residents) - Atypical leiomyoma
Arkansas (University of Arkansas Medical Center) - Atypical (symplastic) leiomyoma, uterus
Florida (Winter Haven Hospital) - Leiomyoma (2), symplastic (1)
Georgia, Decatur - Symplastic leiomyoma
Illinois (Heartland Regional Medical Center) - Smooth muscle neoplasm of uncertain malignant potential
Illinois (Loyola University Medical Center) - Leiomyosarcoma
Kansas (Coffeyville Regional Medical Center) - Leiomyosarcoma
Kansas (Peterson Laboratory Services) - Smooth muscle tumor of uncertain malignant potential
Kansas (Physicians Reference Laboratory) - Atypical/symplastic leiomyoma
Kentucky (University of Louisville Hospital) - Bizarre leiomyoma
Louisiana (Louisiana State University Health Science Center) - Atypical (symplastic) leiomyoma
Maryland (University of Maryland Medical Center) - STUMP
Michigan (Henry Ford Hospital Residents) - Symplastic leiomyoma, uterus
Michigan (St. Joseph Mercy Hospital) - Symplastic leiomyoma
Michigan, Ann Arbor - Bizarre/atypical leiomyoma

Montana, Missoula - Leiomyosarcoma
New York (Nassau University Medical Center) - Leiomyoma with bizarre nuclei
New York (SUNY Downstate Medical Center) - Bizarre leiomyoma
North Carolina (Wake Forest University Medical Center) - Atypical (symplastic) leiomyoma
North Carolina (Womack Army Medical Center) - Symplastic leiomyoma (4)
Ohio (Summa Health System Pathology) - Symplastic leiomyoma
Ohio (University of Toledo/University Medical Center) - Atypical leiomyoma
Pennsylvania (Conemaugh Memorial Medical Center) - Atypical leiomyoma
Pennsylvania (Drexel University College of Medicine) - Symplastic, bizarre leiomyoma/STUMP
Texas (Scott & White Hospital) - Symplastic leiomyoma
Texas (The Methodist Hospital) - Smooth muscle tumor of uncertain malignant potential
Texas, Lubbock - Leiomyosarcoma
West Virginia (Wetzel County Hospital) - Atypical leiomyoma
Australia (Sullivan Nicolaides Pathology) - Smooth muscle tumour of uncertain malignant potential
Canada (Pasqua Hospital) - Atypical leiomyoma with low risk of recurrence
Canada (University Hospital of Sherbrooke) - Atypical leiomyoma with recurrence risk (2); Leiomyosarcoma (2)
China (Sir Run Run Shaw Hospital) - Bizarre leiomyoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Leiomyoma, symplastic
Japan (Gunma University Hospital) - Atypical leiomyoma of uterus
Japan (Hamamatsu University School of Medicine) - Leiomyosarcoma
Japan, Chiba - Atypical leiomyoma
Puerto Rico (University of Puerto Rico) - Leiomyosarcoma
Qatar (Hamad Medical Corporation) - Symplastic leiomyoma
Saudi Arabia (King Fahad National Guard Hospital) - Symplastic leiomyoma
Saudi Arabia (AlHassa Group, KSA) - Pleomorphic (symplastic) leiomyoma
Singapore (KK Women's and Children's Hospital) - Atypical/symplastic leiomyoma (would sample more tissue looking for mitoses and necrosis)
Spain (Povisa) - Leiomyoma, bizarre
The Netherlands, Amstelveen - Bizarre (symplastic) leiomyoma of the uterus
United Kingdom (Oxford Study Group) - Uterus – Symplastic (atypical) leiomyoma

Case 9 - Diagnosis:

Atypical/symplastic leiomyoma, uterus
T-82000, M-8890/0

Case 9 - References:

Toon C, McGahan S, Henderson P, Russell P: Myxoid Symplastic Leiomyoma Of The Uterus. *Pathology*, 2006 Jun; 38(3):275-7.
 Downes KA, Hart WR: Bizarre Leiomyomas Of The Uterus: A Comprehensive Pathologic Study Of 24 Cases With Long-Term Follow-Up. *Am J Surg Pathol*, 1997 Nov; 21(11):1261-70.
 Perrone T, Dehner LP: Prognostically Favorable "Mitotically Active" Smooth Muscle Tumors Of The Uterus: A Clinicopathologic Study Of 10 Cases. *Am J Surg Pathol*, 1988; 12:1-8.
 Ozisik YY, et al: Cytogenetic Findings In A Symplastic Leiomyoma. *Cancer Genet Cytogenet*, 1993; 67(1):79-80.
 Watanabe K, Suzuki T: Uterine Leiomyoma Versus Leiomyosarcoma: A New Attempt At Differential Diagnosis Based On Their Cellular Characteristics. *Histopathol*, 2006 Apr; 48(5):563-8.

Case No. 10 - Accession No. 29948

October, 2006

Escondido - Leiomyosarcoma
Glendale - Leiomyosarcoma
Mountain View (El Camino Pathology) - Leiomyosarcoma
Orange (UCI Medical Center Residents) - Leiomyosarcoma
Palo Alto (Palo Alto Pathology) - Leiomyosarcoma
Sacramento (U.C. Davis Residents) - Leiomyosarcoma
San Diego (UCSD) - Leiomyosarcoma
San Francisco (San Francisco General Hospital) - Rhabdomyosarcoma
San Francisco (UCSF Residents) - Leiomyosarcoma
Arkansas (University of Arkansas Medical Center) - Leiomyosarcoma, leg
Florida (Winter Haven Hospital) - Leiomyosarcoma (2)
Georgia, Decatur - Leiomyosarcoma

Illinois (Heartland Regional Medical Center) - Leiomyosarcoma
Illinois (Loyola University Medical Center) - Leiomyosarcoma
Kansas (Coffeyville Regional Medical Center) - Leiomyosarcoma
Kansas (Peterson Laboratory Services) - Leiomyosarcoma
Kansas (Physicians Reference Laboratory) - Leiomyosarcoma
Kentucky (University of Louisville Hospital) - Leiomyosarcoma
Louisiana (Louisiana State University Health Science Center) - Leiomyosarcoma
Maryland (University of Maryland Medical Center) - Leiomyosarcoma
Michigan (Henry Ford Hospital Residents) - Leiomyosarcoma, leg
Michigan (St. Joseph Mercy Hospital) - Leiomyosarcoma
Michigan, Ann Arbor - Storiform/pleomorphic MFH
Montana, Missoula - Leiomyosarcoma
New York (Nassau University Medical Center) - Leiomyosarcoma
New York (SUNY Downstate Medical Center) - Leiomyosarcoma, Grade III
North Carolina (Wake Forest University Medical Center) - Leiomyosarcoma
North Carolina (Womack Army Medical Center) - Leiomyosarcoma (4)
Ohio (Summa Health System Pathology) - Myxoid leiomyosarcoma
Ohio (University of Toledo/University Medical Center) - Leiomyosarcoma
Pennsylvania (Conemaugh Memorial Medical Center) - Leiomyosarcoma
Pennsylvania (Drexel University College of Medicine) - Leiomyosarcoma
Texas (Scott & White Hospital) - Leiomyosarcoma
Texas (The Methodist Hospital) - Leiomyosarcoma
Texas, Lubbock - Leiomyosarcoma
West Virginia (Wetzel County Hospital) - Leiomyosarcoma
Australia (Sullivan Nicolaides Pathology) - Leiomyosarcoma
Canada (Pasqua Hospital) - Leiomyosarcoma
Canada (University Hospital of Sherbrooke) - Leiomyosarcoma
China (Sir Run Run Shaw Hospital) - Leiomyosarcoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Leiomyosarcoma
Japan (Gunma University Hospital) - Leiomyosarcoma
Japan (Hamamatsu University School of Medicine) - Leiomyosarcoma
Japan, Chiba - Leiomyosarcoma
Puerto Rico (University of Puerto Rico) - Leiomyosarcoma
Qatar (Hamad Medical Corporation) - Leiomyosarcoma
Saudi Arabia (King Fahad National Guard Hospital) - Leiomyosarcoma
Saudi Arabia (AlHassa Group, KSA) - Leiomyosarcoma
Singapore (KK Women's and Children's Hospital) - Leiomyosarcoma
Spain (Povisa) - Leiomyosarcoma
The Netherlands, Amstelveen - Leiomyosarcoma of the leg
United Kingdom (Oxford Study Group) - Right leg - Leiomyosarcoma

Case 10 - Diagnosis:

Leiomyosarcoma, leg

T-Y9400, M-8890/3

Case 10 - References:

- Hornick JL, Fletcher CD: Criteria For Malignancy In Nonvisceral Smooth Muscle Tumors. *Ann Diagn Pathol*, 2003 Feb; 7(1):60-6.
- Farshid G, Pradhan M, Goldblum J, Weiss SW: Leiomyosarcoma Of Somatic Soft Tissues: A Tumor Of Vascular Origin With Multivariate Analysis Of Outcome In 42 Cases. *Am J Surg Pathol*, 2002 Jan; 26(1):14-24.
- Mankin HJ, Casas-Ganem J, Kim JI, et al: Leiomyosarcoma Of Somatic Soft Tissues. *Clin Orthop Relat Res*, 2004 Apr; 421:225-31.
- Miyajima K, Oda Y, Oshiro Y, et al: Clinicopathological Prognostic Factors In Soft Tissue Leiomyosarcoma: A Multivariate Analysis. *Histopathology*, 2002 Apr; 40(4):353-9.
- Massi D, Beltrami G, Mela MM, et al: Prognostic Factors In Soft Tissue Leiomyosarcoma Of The Extremities: A Retrospective Analysis Of 42 Cases. *Eur J Surg Oncol*, 2004 Jun; 30(5):565-72.