



CALIFORNIA
TUMOR TISSUE REGISTRY

“SOFT TISSUE TUMORS”

Minutes – Subscription B

September, 2004



SUGGESTED READING (General Topics from Recent Literature):

Identification of the Haematopoietic Stem Cell Niche and Control of the Niche Size. Zhang J, Niu C, Ye L, et al. *Nature*, 2003 Oct; 425:836-41.

Flow Cytometric Measurements Of DNA And Other Cell Components In Human Tumors: A Critical Appraisal. Koss LG, Czerniak B, Herz F, Wersto RP. *Hum Pathol*, 1989 Jun; 20(6):528-48.

P53: Fifteen Years After Discovery. Batsakis JG, El-Naggar AK. *Adv Anat Pathol*, 1995 Mar/Apr; 2(2):71-88

Multiple Smooth Muscle Tumors Arising In Deep Soft Tissue Of Lower Limbs With Uterine Leiomyoma. Horiuchi K, Yabe H, Mukai M, et al: *Am J Surg Pathol*, 1998; 22(7):897-901.

The World Health Organization/International Society Of Urological Pathology Consensus Classification Of Urothelial (Transitional Cell) Neoplasms Of The Urinary Bladder. Epstein JI, Amin MB, Reuter VR, et al: *Am J Surg Pathol*, 1998; 22(12):1435-48.

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FILE DIAGNOSES

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

CTTR Subscription B

September, 2004

Case 1:

Myxoid fibrolipoma with focal cartilaginous metaplasia (“Benign mesenchymoma”)
T-Y4300, M-88510

Case 2:

Superficial angiomyxoma, pubic region
T-Y4241, M-88400

Case 3:

Cavernous hemangioma, liver
T-56000, M-91210

Case 4:

Intramuscular hemangioma, left back
T-Y1100, M-91200

Case 5:

Leiomyosarcoma, retroperitoneum
T-Y4600, M-88903

Case 6:

Schwannoma (neurilemmoma), leg
T-Y9400, M-95600

Case 7:

Cellular schwannoma, ankle
T-Y9500, M-95600

Case 8:

Malignant peripheral nerve sheath tumor (MPNST), peri-adrenal
T-93000, M-95403

Case 9:

Solitary fibrous tumor, favor malignant, chest
T-Y2100, M-90500

Case 10:

High grade myosarcoma, favor rhabdomyosarcoma, left lung
T-28000, M-8895/3

Escondido - Aggressive angiomyxoma
Glendale - Inflammatory myofibroblastic tumor
Granada Hills - Leiomyoma
Orange (UCI Medical Center Residents) - Angiomyxoma
Sacramento (UC Davis Medical Center) - Fibromatosis
Arizona, Phoenix - Inflammatory myofibroblastic tumor (3)
Arkansas (University of Arkansas Medical Center) - Fibromatosis, abdominal wall
Colorado, Denver - Retroperitoneal fibrosis
Florida (Winter Haven Hospital) - Abdominal fibromatosis
Georgia, Decatur - Myolipoma
Illinois (Heartland Regional Medical Center) - Aggressive angiomyxoma
Kansas (Coffeyville Regional Medical Center) - Myxoid leiomyoma
Kansas, Manhattan - Fibromatosis, desmoid tumor
Kentucky (University of Louisville Hospital) - Desmoid fibromatosis
Maryland (Hopkins Voodoo Medicine) - Angiomyxoma, deep aggressive
Maryland (National Naval Medical Center) - Fibromatosis, abdominal wall
Michigan (Henry Ford Hospital Residents) - Fibromatosis with myxoid change
Michigan (Pathology Services of West Michigan) - Benign
New York (Memorial Sloan Kettering Cancer Center) - Angiomyofibroblastoma
New York (Nassau University Medical Center) - Aggressive angiomyxoma
New York (State University of New York at Stony Brook) - Low grade fibromyxoid sarcoma
New York (Westchester Medical Center) - Abdominal Desmoid (fibromatosis) with myxoid change
North Carolina (Wake Forest University School of Medicine) - Abdominal fibromatosis
Rhode Island (Rhode Island Hospital Residents) - Desmoid-type fibromatosis
Texas (Scott & White Memorial Hospital) - Desmoid
Texas, Lubbock - Well-differentiated liposarcoma
Texas, Sugarland - Desmoid tumor
Canada (University of Calgary, Foothills Hospital) - Fibromatosis
Canada (Woodstock General Hospital) - Abdominal fibromatosis
China (Sir Run Run Shaw Hospital) - Abdominal desmoid tumor
Italy, Naples - Fibromatosis
Japan (Asahi General Hospital) - Fibromatosis
Japan (Hamamatsu University School of Medicine) - Low grade fibromyxoid sarcoma
Japan (Shiga University of Medical Sciences) - Desmoid-type fibromatosis
Japan (Gunma University Hospital) - Aggressive angiomyxoma
Puerto Rico (University of Puerto Rico) - Inflammatory myofibroblastic tumor/Aggressive angiomyxoma
Qatar, Doha - Fibromatosis
Spain (Povisa) - Fibromatosis vs. nodular fasciitis
The Netherlands, Amstelveen - Fibromatosis (1); Desmoid tumor (1)

Case 1 - Diagnosis:

Myxoid fibrolipoma with focal cartilaginous metaplasia (“Benign mesenchymoma”)
T-Y4300, M-88510

Director’s Note: Although fibromatosis is in the differential, the growth pattern is not as organized/fascicular as is usually seen in fibromatosis, mature fat is present throughout the tumor, and cartilage was focally present (not all slides). drc

Case 1 - References:

Ly JQ, Bui-Mansfield LT, San Diego JW, et al: Neural Fibrolipoma Of The Foot. *J Comput Assist Tomogr*, 2003 Jul-Aug; 27(4):639-40.
 Ruppert V, Friedel R, Mentzel T, Markgraf E: Fibrolipomatous Hamartoma Of The Nerve – A Rare Etiology Of Macrodactyly. A Case Report. *Handchir Mikrochir Plast Chir*, 1999 Jan; 31(1):53-6.
 Ogoe A, Hotta T, Higuchi T, et al: Fibrolipomatous Hamartoma In The Foot: Magnetic Resonance Imaging And Surgical Treatment: A Report Of Two Cases. *J Bone Joint Surg Am*, 2002 Mar; 84-A(3):432-6.
 Milgram JW: Massive Fibrolipoma Of A Toe. *J Foot Ankle Surg*, 1999 May-Jun; 38(3):223-6.

Escondido - Superficial angiomyxoma
Glendale - Low-grade myxoid sarcoma
Granada Hills - Myxoma
Orange (UCI Medical Center Residents) - Fibromyxoma
Sacramento (UC Davis Medical Center) - Myxoma
Arizona, Phoenix - Cutaneous myxoma (3)
Arkansas (University of Arkansas Medical Center) - Soft tissue myxoma
Colorado, Denver - Liposarcoma
Florida (Winter Haven Hospital) - Aggressive angiomyxoma
Georgia, Decatur - Myxoma
Illinois (Heartland Regional Medical Center) - Superficial angiomyxoma
Kansas (Coffeyville Regional Medical Center) - Superficial (cutaneous) angiomyxoma
Kansas, Manhattan - Aggressive angiomyxoma
Kentucky (University of Louisville Hospital) - Superficial angiomyxoma
Maryland (Hopkins Voodoo Medicine) - Angiomyxoma
Maryland (National Naval Medical Center) - Cutaneous myxoma, pubic region
Michigan (Henry Ford Hospital Residents) - Angiomyxoma
Michigan (Pathology Services of West Michigan) - Myxoid liposarcoma
New York (Memorial Sloan Kettering Cancer Center) - Angiomyxoma
New York (Nassau University Medical Center) - Myxoid fibrosarcoma, low grade
New York (State University of New York at Stony Brook) - Aggressive angiomyxoma
New York (Westchester Medical Center) - Superficial angiomyxoma
North Carolina (Wake Forest University School of Medicine) - Aggressive angiomyxoma
Rhode Island (Rhode Island Hospital Residents) - Hyalinizing nodular fasciitis
Texas (Scott & White Memorial Hospital) - Cutaneous myxoma
Texas, Lubbock - Superficial myxoma
Texas, Sugarland - Angiomyofibroblastoma
Canada (University of Calgary, Foothills Hospital) - Low grade myxofibrosarcoma
Canada (Woodstock General Hospital) - Myxoid leiomyoma
China (Sir Run Run Shaw Hospital) - Aggressive angiomyxoma
Italy, Naples - Myxoma
Japan (Asahi General Hospital) - Cutaneous myxoma
Japan (Hamamatsu University School of Medicine) - Lipoma with myxoid change
Japan (Shiga University of Medical Sciences) - Superficial angiomyxoma
Japan (Gunma University Hospital) - Cutaneous myxoma
Puerto Rico (University of Puerto Rico) - Myxoid liposarcoma/Aggressive angiomyxoma
Qatar, Doha - Superficial angiomyxoma
Spain (Povisa) - Aggressive angiomyxoma
The Netherlands, Amstelveen - Angiomyxoma (2)

Case 2 - Diagnosis:

Superficial angiomyoma, pubic region

T-Y4241, M-88400

Case 2 - References:

Calonje E, Guerin D, McCormick D, Fletcher CD: Superficial Angiomyxoma: A Clinicopathologic Analysis of a Series of Distinctive But Poorly-Recognized Cutaneous Tumor With Tendency For Recurrence. *Am J Surg Pathol*, 1999 Aug; 23(8):910-17.
Vella R, Calleri D: Superficial Angiomyxoma Of The Epididymis: Presentation Of A New Case And Clinical Considerations. *Minerva Urol Nefrol*, 2000 Jun; 52(2):77-9.

Escondido - Giant cavernous hemangioma
Glendale - Cavernous hemangioma
Granada Hills - Cavernous hemangioma

Orange (UCI Medical Center Residents) - Cavernous hemangioma
Sacramento (UC Davis Medical Center) - Hemangioma
Arizona, Phoenix - Cavernous hemangioma (3)
Arkansas (University of Arkansas Medical Center) - Cavernous hemangioma, liver
Colorado, Denver - Hemangioma
Florida (Winter Haven Hospital) - Hemangioma
Georgia, Decatur - Cavernous hemangioma
Illinois (Heartland Regional Medical Center) - Hemangioma
Kansas (Coffeyville Regional Medical Center) - Cavernous hemangioma, liver
Kansas, Manhattan - Cavernous hemangioma
Kentucky (University of Louisville Hospital) - Cavernous hemangioma
Maryland (Hopkins Voodoo Medicine) - Cavernous hemangioma
Maryland (National Naval Medical Center) - Hemangioma
Michigan (Henry Ford Hospital Residents) - Cavernous hemangioma
Michigan (Pathology Services of West Michigan) - Hemangioma
New York (Memorial Sloan Kettering Cancer Center) - Cavernous hemangioma
New York (Nassau University Medical Center) - Hemangioma
New York (State University of New York at Stony Brook) - Cavernous hemangioma
New York (Westchester Medical Center) - Cavernous hemangioma
North Carolina (Wake Forest University School of Medicine) - Cavernous hemangioma
Rhode Island (Rhode Island Hospital Residents) - Hemangioma
Texas (Scott & White Memorial Hospital) - Cavernous hemangioma
Texas, Lubbock - Hemangioma
Texas, Sugarland - Cavernous hemangioma with infarct
Canada (University of Calgary, Foothills Hospital) - Giant hemangioma
Canada (Woodstock General Hospital) - Hemangioma
China (Sir Run Run Shaw Hospital) - Cavernous hemangioma
Italy, Naples - Cavernous hemangioma
Japan (Asahi General Hospital) - Cavernous hemangioma
Japan (Hamamatsu University School of Medicine) - Cavernous hemangioma
Japan (Shiga University of Medical Sciences) - Angiosarcoma
Japan (Gunma University Hospital) - Cavernous hemangioma
Puerto Rico (University of Puerto Rico) - Cavernous hemangioma
Qatar, Doha - Hemangioma
Spain (Povisa) - Cavernous hemangioma
The Netherlands, Amstelveen - Cavernous hemangioma (1); Hemangioma (1)

CASE 3 - Diagnosis:

Cavernous hemangioma, liver
T-56000, M-91210

Case 3 - References:

O'Hara CD, Nascimento AG: Endothelial Lesions of Soft Tissues: A Review Of Reactive And Neoplastic Entities With Emphasis On Low-Grade Malignant Vascular ("Borderline") Vascular Tumors. *Adv Anat Pathol*, 2003 Mar; 10(2):69-87.
 Farges O, Daradkeh S, Bismuth H: Cavernous Hemangiomas of the Liver: Are There Any Indications For Resection? *World J Surg*, 1995 Jan-Feb; 19(1):19-24.
 Tung GA, Cronan JJ: Percutaneous Needle Biopsy of Hepatic Cavernous Hemangioma. *J Clin Gastroenterol*, 1993 Mar; 16:117-22.

Case No. 4 Accession No. 29880

September, 2004

Escondido - Proliferative myositis
Glendale - Intramuscular hemangioma
Granada Hills - Myolipoma
Orange (UCI Medical Center Residents) - Infiltrating angioliopoma
Sacramento (UC Davis Medical Center) - Intramuscular hemangioma
Arizona, Phoenix - Angioliopoma, intramuscular (3)
Arkansas (University of Arkansas Medical Center) - Arteriovenous hemangioma
Colorado, Denver - Angiosarcoma

Florida (Winter Haven Hospital) - Intramuscular hemangioma
Georgia, Decatur - Intramuscular hemangioma
Illinois (Heartland Regional Medical Center) - Intramuscular angioma
Kansas (Coffeyville Regional Medical Center) - Intramuscular angioma (angiolipoma)
Kansas, Manhattan - Infiltrating angiolipoma
Kentucky (University of Louisville Hospital) - Large vessel hemangioma
Maryland (Hopkins Voodoo Medicine) - Angiolipoma, infiltrating
Maryland (National Naval Medical Center) - Angiomatosis (intramuscular angiolipoma)
Michigan (Henry Ford Hospital Residents) - Angiomatosis/Infiltrating angiolipoma
Michigan (Pathology Services of West Michigan) - Intramuscular lipoma
New York (Memorial Sloan Kettering Cancer Center) - Intramuscular angiolipoma
New York (Nassau University Medical Center) - Angiomatosis
New York (State University of New York at Stony Brook) - Intramuscular hemangioma
New York (Westchester Medical Center) - Intramuscular angiolipoma
North Carolina (Wake Forest University School of Medicine) - Diffuse glomus tumor
Rhode Island (Rhode Island Hospital Residents) - Infiltrating angiolipoma/Intramuscular hemangioma
Texas (Scott & White Memorial Hospital) - Intramuscular lipoma
Texas, Lubbock - A-V malformation
Texas, Sugarland - Arteriovenous hemangioma
Canada (University of Calgary, Foothills Hospital) - Atypical lipoma
Canada (Woodstock General Hospital) - Angiomyolipoma
China (Sir Run Run Shaw Hospital) - Intramuscular angioma
Italy, Naples - Intramuscular hemangioma
Japan (Asahi General Hospital) - Angiomatosis
Japan (Hamamatsu University School of Medicine) - Intramuscular angiolipoma
Japan (Shiga University of Medical Sciences) - Intramuscular angioma
Japan (Gunma University Hospital) - Intramuscular hemangioma
Puerto Rico (University of Puerto Rico) - Intramuscular lipoma
Qatar, Doha - Vascular malformation (3); Intramuscular hemangioma (3)
Spain (Povisa) - Hamartomatous vascular proliferation
The Netherlands, Amstelveen - Arteriovenous malformation ? (1); Angiomyolipoma (1)

Case 4 - Diagnosis:

Intramuscular hemangioma, left back
T-Y1100, M-91200

Case 4 - References:

Kindblom LG, Angervall L, Stener B, Wickbom I: Intermuscular and Intramuscular Lipomas and Hibernomas: A Clinical, Roentgenologic, Histologic, and Prognostic Study of 46 Cases. *Cancer*, 1974 Mar; 33(3):754-62.
 Fletcher CD, Martin-Bates E: Intramuscular and Intermuscular Lipoma: Neglected Diagnosis. *Histopathology*, 1988 Mar; 12(3):275-87.

Case No. 5 Accession No. 29687

September, 2004

Escondido - Leiomyosarcoma
Glendale - Leiomyosarcoma
Granada Hills - Leiomyosarcoma
Orange (UCI Medical Center Residents) - Leiomyosarcoma
Sacramento (UC Davis Medical Center) - Leiomyosarcoma
Arizona, Phoenix - Leiomyosarcoma, high grade (3)
Arkansas (University of Arkansas Medical Center) - Leiomyosarcoma, retroperitoneum
Colorado, Denver - Leiomyosarcoma
Florida (Winter Haven Hospital) - Leiomyosarcoma
Georgia, Decatur - Leiomyosarcoma
Illinois (Heartland Regional Medical Center) - Leiomyosarcoma
Kansas (Coffeyville Regional Medical Center) - Leiomyosarcoma, high grade
Kansas, Manhattan - Leiomyosarcoma
Kentucky (University of Louisville Hospital) - Leiomyosarcoma

Maryland (Hopkins Voodoo Medicine) - Leiomyosarcoma
Maryland (National Naval Medical Center) - Leiomyosarcoma
Michigan (Henry Ford Hospital Residents) - Leiomyosarcoma
Michigan (Pathology Services of West Michigan) - Leiomyosarcoma
New York (Memorial Sloan Kettering Cancer Center) - Leiomyosarcoma
New York (Nassau University Medical Center) - Leiomyosarcoma
New York (State University of New York at Stony Brook) - Leiomyosarcoma
New York (Westchester Medical Center) - Leiomyosarcoma
North Carolina (Wake Forest University School of Medicine) - Leiomyosarcoma
Rhode Island (Rhode Island Hospital Residents) - Leiomyosarcoma
Texas (Scott & White Memorial Hospital) - Leiomyosarcoma
Texas, Lubbock - Leiomyosarcoma
Texas, Sugarland - Myxoid leiomyosarcoma
Canada (University of Calgary, Foothills Hospital) - Leiomyosarcoma
Canada (Woodstock General Hospital) - Leiomyosarcoma
China (Sir Run Run Shaw Hospital) - Leiomyosarcoma
Italy, Naples - Leiomyosarcoma
Japan (Asahi General Hospital) - Atypical leiomyoma
Japan (Hamamatsu University School of Medicine) - Leiomyosarcoma
Japan (Shiga University of Medical Sciences) - Leiomyosarcoma
Japan (Gunma University Hospital) - Leiomyosarcoma
Puerto Rico (University of Puerto Rico) - Leiomyosarcoma
Qatar, Doha - Leiomyosarcoma
Spain (Povisa) - Leiomyosarcoma
The Netherlands, Amstelveen - Leiomyosarcoma (1); (Myxoid) leiomyosarcoma (1)

Case 5 - Diagnosis:

Leiomyosarcoma, retroperitoneum
T-Y4600, M-88903

Case 5 - References:

Rajani B, Smith TA, Reith JD, Goldblum JR: Retroperitoneal Leiomyosarcomas Unassociated With The Gastrointestinal Tract: A Clinicopathologic Analysis of 17 Cases. *Mod Pathol*, 1999 Jan; 12(1):21-8.
 Shmookler BM, Lauer DH: Retroperitoneal leiomyosarcoma: A Clinicopathologic Analysis of 36 Cases. *Am J Surg Pathol*, 1983 Apr; 7(3):269-80.
 Enzinger FM, Weiss SM: *Soft Tissue Tumors*. St. Louis, Mosby, 1995; pp 1067-74.
 Wile AG, Evans HL, Romsdahl MM: Leiomyosarcoma of Soft Tissue: A Clinicopathologic Study. *Cancer*, 1981 Aug 15; 48(4):1022-32.
 Mentzel T, Calonje E, Fletcher CD: Leiomyosarcoma With Prominent Osteoclast-Like Giant Cells: Analysis of Eight Cases Closely Mimicking the So-Called Giant Cell Variant of Malignant Fibrous Histiocytoma. *Am J Surg Pathol*, 1994 Mar; 18(3):258-65.

Case No. 6 Accession No. 29849

September, 2004

Escondido - Neurilemmoma
Glendale - Plexiform schwannoma
Granada Hills - Nerve Sheath Myxoma
Orange (UCI Medical Center Residents) - Schwannoma
Sacramento (UC Davis Medical Center) - Schwannoma
Arizona, Phoenix - Schwannoma (neurilemmoma) (3)
Arkansas (University of Arkansas Medical Center) - Schwannoma
Colorado, Denver - Schwannoma
Florida (Winter Haven Hospital) - Plexiform schwannoma
Georgia, Decatur - Plexiform schwannoma
Illinois (Heartland Regional Medical Center) - Plexiform schwannoma
Kansas (Coffeyville Regional Medical Center) - Plexiform neurofibroma
Kansas, Manhattan - Plexiform schwannoma
Kentucky (University of Louisville Hospital) - Benign peripheral nerve sheath tumor
Maryland (Hopkins Voodoo Medicine) - Schwannoma

Maryland (National Naval Medical Center) - Myxoid schwannoma
Michigan (Henry Ford Hospital Residents) - Plexiform schwannoma
Michigan (Pathology Services of West Michigan) - Plexiform neurofibroma
New York (Memorial Sloan Kettering Cancer Center) - Neurofibroma
New York (Nassau University Medical Center) - Schwannoma
New York (State University of New York at Stony Brook) - Plexiform schwannoma
New York (Westchester Medical Center) - Schwannoma
North Carolina (Wake Forest University School of Medicine) - Schwannoma
Rhode Island (Rhode Island Hospital Residents) - Schwannoma (possibly as a component of Segmental Schwannomatosis)
Texas (Scott & White Memorial Hospital) - Schwannoma
Texas, Lubbock - Plexiform neurofibroma
Texas, Sugarland - Plexiform schwannoma
Canada (University of Calgary, Foothills Hospital) - Plexiform schwannoma
Canada (Woodstock General Hospital) - Schwannoma
China (Sir Run Run Shaw Hospital) - Plexiform schwannoma
Italy, Naples - Neurilemmoma
Japan (Asahi General Hospital) - Neurilemmoma
Japan (Hamamatsu University School of Medicine) - Schwannoma
Japan (Shiga University of Medical Sciences) - Schwannoma
Japan (Gunma University Hospital) - Schwannoma
Puerto Rico (University of Puerto Rico) - Schwannoma
Qatar, Doha - Plexiform schwannoma
Spain (Povisa) - Schwannoma
The Netherlands, Amstelveen - Schwannoma (2)

Case 6 - Diagnosis:

Schwannoma (neurilemmoma), leg
T-Y9400, M-95600

Case 6 - References:

Kang SK, Chang SE, Choi JH, et al: A Case Of A Cellular Schwannoma Of The Skin Presenting As A Large Ulcerated Tumor On The Ankle. *J Dermatol*, 2002 Jan; 29(1):28-32.
 Megahed M, Ruzicka T: Cellular Schwannoma. *Am J Dermatopathol*, 1994 Aug; 16(4):418-21.
 Fletcher CD, Davies SE, McKee PH: Cellular Schwannoma: A Distinct Pseudosarcomatous Entity. *Histopathology*, 1987 Jan; 11(1):21-35.
 Kindblom LG, Meis-Kindblom JM, Havel G, Busch C: Benign Epithelioid Schwannoma. *Am J Surg Pathol*, 1998 Jun; 22(6):762-70.
 Maleux G, Brys P, Samson I, et al: Giant Schwannoma of the Lower Leg. *Eur Radiol*, 1997; 7(7):1031-4.

Case No. 7 Accession No. 29847

September, 2004

Escondido - Malignant peripheral nerve sheath tumor
Glendale - Cellular schwannoma
Granada Hills - Neurofibroma
Orange (UCI Medical Center Residents) - Schwannoma
Sacramento (UC Davis Medical Center) - Schwannoma
Arizona, Phoenix - Neurofibroma (3)
Arkansas (University of Arkansas Medical Center) - Cellular schwannoma
Colorado, Denver - Cellular schwannoma
Florida (Winter Haven Hospital) - Cellular schwannoma
Georgia, Decatur - Schwannoma
Illinois (Heartland Regional Medical Center) - Cellular schwannoma
Kansas (Coffeyville Regional Medical Center) - Neurilemmoma (schwannoma)
Kansas, Manhattan - Schwannoma
Kentucky (University of Louisville Hospital) - Schwannoma
Maryland (Hopkins Voodoo Medicine) - Schwannoma
Maryland (National Naval Medical Center) - Benign peripheral nerve sheath tumor, favor neurofibroma

Michigan (Henry Ford Hospital Residents) - Schwannoma
Michigan (Pathology Services of West Michigan) - Schwannoma
New York (Memorial Sloan Kettering Cancer Center) - Schwannoma
New York (Nassau University Medical Center) - Cellular schwannoma
New York (State University of New York at Stony Brook) - Cellular schwannoma
New York (Westchester Medical Center) - Cellular schwannoma
North Carolina (Wake Forest University School of Medicine) - Cellular schwannoma
Rhode Island (Rhode Island Hospital Residents) - Cellular schwannoma
Texas (Scott & White Memorial Hospital) - Schwannoma
Texas, Lubbock - Neurilemmoma
Texas, Sugarland - Ancient schwannoma
Canada (University of Calgary, Foothills Hospital) - Cellular schwannoma
Canada (Woodstock General Hospital) - Cellular schwannoma
China (Sir Run Run Shaw Hospital) - Schwannoma
Italy, Naples - Ancient schwannoma
Japan (Asahi General Hospital) - Neurilemmoma
Japan (Hamamatsu University School of Medicine) - Schwannoma
Japan (Shiga University of Medical Sciences) - Schwannoma
Japan (Gunma University Hospital) - Cellular schwannoma
Puerto Rico (University of Puerto Rico) - Ancient schwannoma
Qatar, Doha - Schwannoma
Spain (Povisa) - Malignant peripheral nerve sheath tumor
The Netherlands, Amstelveen - Schwannoma (2)

Case 7 - Diagnosis:

Cellular schwannoma, ankle
T-Y9500, M-95600

Case 7 - References:

Koizumi Y, Utsunomiya T, Yamamoto H: Cellular Schwannoma In The Oral Mucosa. *Acta Otolaryngol*, 2002 Jun; 122(4):458-62.
 Kang SK, Chang SE, Choi JH, et al: A Case Of Cellular Schwannoma Of The Skin Presenting As A Large Ulcerated Tumor On The Ankle. *J Dermatol*, 2002 Jan; 29(1):28-32.
 Henke AC, Salomao DR, Hughes JH: Cellular Schwannoma Mimics A Sarcoma: An Example Of A Potential Pitfall In Aspiration Cytodiagnosis. *Diagn Cytopathol*, 1999 May; 20(5):312-6.
 Takeyama M, Koshino T, Nakazawa A, et al: Giant Intracanalicular Cellular Schwannoma Treated With High Sacral Amputation. *Spine*, 2001 May 15; 26(10):E216-9.
 Sehgal VN, Gupta RL, Bhatia A, et al: Solitary Cellular Schwannoma (Neurilemmoma) Showing Malignant Changes: Evaluation Through Magnetic Resonance Imaging (M.R.I.), Surgical Intervention, And Histopathology. *J Dermatol*, 1999 Mar; 26(3):189-95.

Case No. 8 Accession No. 29867

September, 2004

Escondido - Synovial sarcoma
Glendale - Malignant peripheral nerve sheath tumor
Granada Hills - Spindle cell carcinoid tumor
Orange (UCI Medical Center Residents) - Malignant peripheral nerve sheath tumor
Sacramento (UC Davis Medical Center) - Malignant peripheral nerve sheath tumor
Arizona, Phoenix - Neurogenic sarcoma (malignant schwannoma) (3)
Arkansas (University of Arkansas Medical Center) - Malignant peripheral nerve sheath tumor
Colorado, Denver - Neurofibrosarcoma
Florida (Winter Haven Hospital) - Neuroblastoma
Georgia, Decatur - Malignant peripheral nerve sheath tumor
Illinois (Heartland Regional Medical Center) - Malignant peripheral nerve sheath tumor
Kansas (Coffeyville Regional Medical Center) - Malignant peripheral nerve sheath tumor (MPNST)
Kansas, Manhattan - Synovial sarcoma
Kentucky (University of Louisville Hospital) - Neuroblastoma
Maryland (Hopkins Voodoo Medicine) - Monophasic synovial sarcoma
Maryland (National Naval Medical Center) - High grade sarcoma
Michigan (Henry Ford Hospital Residents) - Malignant peripheral nerve sheath tumor

Michigan (Pathology Services of West Michigan) - Fibrosarcoma
New York (Memorial Sloan Kettering Cancer Center) - Malignant peripheral nerve sheath tumor
New York (Nassau University Medical Center) - PNET
New York (State University of New York at Stony Brook) - Malignant peripheral nerve sheath tumor
New York (Westchester Medical Center) - Malignant peripheral nerve sheath tumor (MPNST)
North Carolina (Wake Forest University School of Medicine) - Malignant peripheral nerve sheath tumor
Rhode Island (Rhode Island Hospital Residents) - Malignant peripheral nerve sheath tumor
Texas (Scott & White Memorial Hospital) - MPNST
Texas, Lubbock - Peripheral neuroectodermal tumor
Texas, Sugarland - Primitive neuroectodermal tumor (PNET)
Canada (University of Calgary, Foothills Hospital) - Synovial sarcoma
Canada (Woodstock General Hospital) - Malignant peripheral nerve sheath tumor
China (Sir Run Run Shaw Hospital) - Fibrosarcoma
Italy, Naples - Malignant peripheral nerve sheath tumor
Japan (Asahi General Hospital) - Malignant peripheral nerve sheath tumor
Japan (Hamamatsu University School of Medicine) - Neurogenic sarcoma
Japan (Shiga University of Medical Sciences) - Malignant peripheral nerve sheath tumor
Japan (Gunma University Hospital) - Malignant peripheral nerve sheath tumor
Puerto Rico (University of Puerto Rico) - PNET
Qatar, Doha - Malignant peripheral nerve sheath tumour
Spain (Povisa) - PNET
The Netherlands, Amstelveen - Neuroblastoma ? (1); Malignant peripheral nerve sheath tumor (1)

Case 8 - Diagnosis:

**Malignant peripheral nerve sheath tumor (MPNST), peri-adrenal
 T-93000, M-95403**

Case 8 - References:

Ayala GE, Ettinghausen SE, Epstein AH, et al: Primary Malignant Peripheral Nerve Sheath Tumor of the Adrenal Gland: Case Report and Literature Review. *J Urol Pathol*, 1994; 2:265-72.
 Min KW, Clemens A, Bell J, Dick H: Malignant Peripheral Nerve Sheath Tumor and Pheochromocytoma: A Composite Tumor of The Adrenal. *Arch Pathol Lab Med*, 1988 Mar; 112(3):266-70.
 Sakaguchi N, Sano K, Ito M, et al: A Case of Von Recklinghausen's Disease With Bilateral Pheochromocytoma - Malignant Peripheral Nerve Sheath Tumors of the Adrenal and Gastrointestinal Autonomic Nerve Tumors. *Am J Surg Pathol*, 1996; 20(7):889-97.

Case No. 9 Accession No. 29825

September, 2004

Escondido - Malignant solitary fibrous tumor
Glendale - Malignant solitary fibrous tumor
Granada Hills - Solitary fibrous tumor, hemangiopericytoma-like pattern
Orange (UCI Medical Center Residents) - Solitary fibrous tumor
Sacramento (UC Davis Medical Center) - Malignant solitary fibrous tumor
Arizona, Phoenix - Malignant solitary fibrous tumor (3)
Arkansas (University of Arkansas Medical Center) - Solitary fibrous tumor
Colorado, Denver - Angiosarcoma
Florida (Winter Haven Hospital) - Hemangiopericytoma
Georgia, Decatur - Solitary fibrous tumor, probably malignant
Illinois (Heartland Regional Medical Center) - Malignant solitary fibrous tumor/malignant hemangiopericytoma
Kansas (Coffeyville Regional Medical Center) - Angiosarcoma
Kansas, Manhattan - Solitary fibrous tumor
Kentucky (University of Louisville Hospital) - Solitary fibrous tumor (malignant)
Maryland (Hopkins Voodoo Medicine) - Solitary fibrous tumor
Maryland (National Naval Medical Center) - Solitary fibrous tumor, malignant
Michigan (Henry Ford Hospital Residents) - Hemangiopericytoma, malignant
Michigan (Pathology Services of West Michigan) - Hemangioendothelioma
New York (Memorial Sloan Kettering Cancer Center) - Hemangiopericytoma/Solitary fibrous tumor

New York (Nassau University Medical Center) - Malignant solitary fibrous tumor
New York (State University of New York at Stony Brook) - Solitary fibrous tumor
New York (Westchester Medical Center) - Solitary fibrous tumor; mitotically active, favor benign
North Carolina (Wake Forest University School of Medicine) - Solitary fibrous tumor
Rhode Island (Rhode Island Hospital Residents) - Solitary fibrous tumor/Hemangiopericytoma
Texas (Scott & White Memorial Hospital) - Hemangiopericytoma
Texas, Lubbock - Solitary fibrous tumor
Texas, Sugarland - Epithelioid angiosarcoma
Canada (University of Calgary, Foothills Hospital) - Solitary fibrous tumor with histological features suggestive of malignant potential
Canada (Woodstock General Hospital) - Solitary fibrous tumor of pleura
China (Sir Run Run Shaw Hospital) - Solitary fibrous tumor
Italy, Naples - Solitary fibrous tumor
Japan (Asahi General Hospital) - Solitary fibrous tumor
Japan (Hamamatsu University School of Medicine) - Solitary fibrous tumor
Japan (Shiga University of Medical Sciences) - Solitary fibrous tumor
Japan (Gunma University Hospital) - Malignant solitary fibrous tumor
Puerto Rico (University of Puerto Rico) - Solitary fibrous tumor
Qatar, Doha - Cellular solitary fibrous tumour (3); Malignant solitary fibrous tumour (3)
Spain (Povisa) - Malignant solitary fibrous tumor (vs. malignant vascular tumor)
The Netherlands, Amstelveen - Solitary fibrous tumor (1); Malignant solitary fibrous tumor (1)

Case 9 - Diagnosis:

Solitary fibrous tumor, favor malignant, chest
T-Y2100, M-90500

Outside Consultation: Stanford University Medical Center: Malignant Solitary Fibrous Tumor.

Case 9 - References:

England DM, Hochholzer L, McCarthy MJ: Localized Benign and Malignant Fibrous Tumors of the Pleura: A Clinicopathologic Review of 223 Cases. *Am J Surg Pathol*, 1989 Aug; 13(8):640-58.
 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.
 Goodlad JR, Fletcher CD: Solitary Fibrous Tumor Arising at Unusual Sites: Analysis of a Series. *Histopathology*, 1991 Dec; 19(6):515-22.

Case No. 10 Accession No. 29752

September, 2004

Escondido - Epithelioid leiomyosarcoma
Glendale - Alveolar rhabdomyosarcoma
Granada Hills - Alveolar rhabdomyosarcoma
Orange (UCI Medical Center Residents) - Myosarcoma with rhabdoid differentiation
Sacramento (UC Davis Medical Center) - Rhabdoid tumor
Arizona, Phoenix - Leiomyosarcoma, epithelioid type (3)
Arkansas (University of Arkansas Medical Center) - Sarcoma with myoid phenotype (rhabdoid)
Colorado, Denver - Rhabdomyosarcoma
Florida (Winter Haven Hospital) - Rhabdomyosarcoma
Georgia, Decatur - Rhabdomyosarcoma
Illinois (Heartland Regional Medical Center) - Alveolar rhabdomyosarcoma
Kansas (Coffeyville Regional Medical Center) - Alveolar rhabdomyosarcoma
Kansas, Manhattan - Alveolar soft part sarcoma
Kentucky (University of Louisville Hospital) - Malignant pericytic tumor
Maryland (Hopkins Voodoo Medicine) - Rhabdomyosarcoma, alveolar
Maryland (National Naval Medical Center) - Rhabdomyosarcoma
Michigan (Henry Ford Hospital Residents) - Rhabdomyosarcoma
Michigan (Pathology Services of West Michigan) - MFH variant
New York (Memorial Sloan Kettering Cancer Center) - Rhabdomyosarcoma
New York (Nassau University Medical Center) - Rhabdomyosarcoma
New York (State University of New York at Stony Brook) - Alveolar rhabdomyosarcoma

New York (Westchester Medical Center) - Alveolar rhabdomyosarcoma
North Carolina (Wake Forest University School of Medicine) - Pleomorphic rhabdomyosarcoma
Rhode Island (Rhode Island Hospital Residents) - Rhabdomyosarcoma versus rhabdoid melanoma
Texas (Scott & White Memorial Hospital) - Epithelioid leiomyosarcoma
Texas, Lubbock - Alveolar rhabdomyosarcoma
Texas, Sugarland - Rhabdomyosarcoma
Canada (University of Calgary, Foothills Hospital) - Rhabdomyosarcoma
Canada (Woodstock General Hospital) - Epithelioid leiomyosarcoma
China (Sir Run Run Shaw Hospital) - Epithelioid leiomyosarcoma
Italy, Naples - Pleomorphic rhabdomyosarcoma
Japan (Asahi General Hospital) - Rhabdomyosarcoma
Japan (Hamamatsu University School of Medicine) - Rhabdomyosarcoma
Japan (Shiga University of Medical Sciences) - Epithelioid leiomyosarcoma
Japan (Gunma University Hospital) - Pleomorphic rhabdomyosarcoma
Puerto Rico (University of Puerto Rico) - Rhabdomyosarcoma
Qatar, Doha - Epithelioid leiomyosarcoma
Spain (Povisa) - Rhabdomyosarcoma
The Netherlands, Amstelveen - Epithelioid leiomyosarcoma (1); Extra-renal rhabdoid tumor (1)

Case 10 - Diagnosis:

High grade myosarcoma, favor rhabdomyosarcoma
T-28000, M-8895/3

Director's Note: Although epithelioid leiomyosarcoma is in the differential diagnosis, there are scattered cells with abundant pink cytoplasm and apparent cross-striations (abortive rhabdomyoblasts). drc

Case 10 - References:

La Qualia MP, Heller G, Ghavimi F, et al: The Effect of Age at Diagnosis on Outcome in Rhabdomyosarcoma. *Cancer*, 1994 Jan 1; 73(1):109-17.
 Klunder JW, Komdeur R, Van Der Graaf WT, et al: Expression Of Multidrug Resistance-Associated Proteins In Rhabdomyosarcomas Before And After Chemotherapy: The Relationship Between Lung Resistance-Related Protein (LRP) And Differentiation. *Hum Pathol*, 2003 Feb; 34(2):150-55.
 Maurer HM, Beltangady M, Gehran EA, et al: The Intergroup Rhabdomyosarcoma Study-I. A Final Report. *Cancer*, 1988 Jan 15; 61(2):209-20.
 Cui S, Hano H, Harada T, et al: Evaluation Of New Monoclonal Anti-Myod1 And Anti-Myogenin Antibodies For The Diagnosis Of Rhabdomyosarcoma. *Pathol Int*, 1999 Jan; 49(1):62-8.
 Moran CA, Koss MN: Rhabdomyomatous Thymoma. *Am J Surg Pathol*, 1993; 17(6):633-36.