



CALIFORNIA
TUMOR TISSUE REGISTRY

SOFT TISSUE PATHOLOGY

Minutes – Subscription A

January 2001



SUGGESTED READING (General Topics from Recent Literature):

- Primary Desmoplastic Small Cell Tumor of Soft Tissues and Bone of the Hand. Adsay V, Cheng J, Athanasian E, et al. *Am J Surg Pathol* 1999; 23(11):1408-1413.
- Functional Outcome in Patients Treated with Surgery and Irradiation for Soft Tissue Tumours. Bell R, O'Sullivan B, Davis A, et al. *J of Surg Oncol* 48:224-231.
- Objective Criteria May Assist in Distinguishing Necrotizing Fasciitis from Nonnecrotizing Soft Tissue Infection. Wall DB, de Virgilio C, Black S, et al. *Am J of Surg* 2000; 179:17-20.
- The Microbiology of Necrotizing Soft Tissue Infections. Elliott D, Kufera JA, Myers AM, et al. *Am J Surg* 2000; 179:361-366.

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FILE DIAGNOSES

CTTR Subscription A

January 2001

Case 1:

Collagenous fibroma (desmoplastic fibroblastoma), shoulder
T-Y2300, M-88100

Case 2:

Soft tissue chondroma, thumb
T-Y8810, M-92200

Case 3:

Angiomyofibroblastoma
T-68070, M-91600

Case 4:

Cavernous lymphangiomyoma, mesentery

Case 5:

Fibrosarcoma, inguinal region
T-Y7000, M-88103

Case 6:

Well-differentiated liposarcoma, abdomen
T-Y4100, M-88503

Case 7:

Pleomorphic leiomyosarcoma, forearm
T-Y8500, M-88903

Case 8:

Cellular Schwannoma, groin
(Note: Not all slides showed both Antoni A and Antoni B regions....drc)
T-Y7000, M-95600

Case 9:

Epithelioid malignant peripheral nerve sheath tumor, leg
(Note: Tumor was S-100 +, HMB45 -, Desmin -, CAM5.2 -)
T-Y9400, M-95600

Case 10:

Superficial leiomyosarcoma, arm
T-Y8000, M-88903

Mountain View (El Camino Pathology Group) - Fibromatosis
Bakersfield - Extra-abdominal fibromatosis
Hayward/Fremont - Collagenous fibroma (desmoplastic fibroblastoma) (4)
Orange (UCI Medical Center Residents) - Collagenous fibroma (desmoplastic fibroblastoma)
Oakland (Kaiser) - Collagenous (sclerosing) fibroma (3)
Ventura (Unilab) - Extra-abdominal fibromatosis (2)
Santa Rosa - Intramuscular collagenoma (3)
Long Beach - Fibroma (6)
San Diego (Naval Medical Center) - Collagenous fibroma
Bay Area - Collagenous fibroma (3)
Monterey Park (Garfield Medical Center) - Extra-abdominal desmoid
Monterey (Community Hospital of Monterey Peninsula) - Fibroma
Santa Clara - Desmoplastic fibroma (collagenous fibroma) (6)
Sacramento (UC Davis) - Fibromatosis
Alaska (Anchorage) - Fibroma
Florida (Tallahassee) - Solitary fibrous tumor
Florida (Winter Haven Hospital) - Desmoid
Florida (Munroe Regional Medical Center) - Elastofibroma
Georgia (Piedmont Hospital) - Collagenous fibroma
Illinois (Dupage Pathology Associates) - Extra-abdominal fibromatosis (desmoid tumor) (1); Desmoid tumor (1)
Illinois (Burr Ridge) - Fibromatosis, r/o elastofibroma
Illinois (Northwestern Memorial Hospital) - Fibroma
Iowa (University of Iowa) - Fibromatosis
Kentucky (University of Louisville Residents) - Hyalinized hemangiopericytoma
Maryland (Johns Hopkins Hospital Residents) - Desmoid fibromatosis
Maryland (National Naval Medical Center) - Fibromatosis (desmoid) (10); Desmoplastic fibroma (2)
Maryland (University of Maryland) - Fibroma
Maryland (Woodbine) - Collagenous fibroma (2)
Massachusetts (Berkshire Medical Center) - Fibroma (2); Extra-abdominal fibromatosis (4)
Michigan (St. Joseph Mercy Hospital) - Fibromatosis (desmoid tumor)
Michigan (Oakwood Hospital) - Collagenous fibroma
Missouri (Truman Medical Center) - Tendon sheath fibroma
Nebraska (Omaha) - Elastofibroma
Nevada (Reno) - Fibroma
New Jersey (Overlook Hospital) - Benign fibrous tumor (NOS) (3)
New York (Northport VAMC) - Desmoid
New York (Beth Israel Medical Center Residents) - Fibroma of tendon sheath
New York (SUNY Stony Brook University Hospital Residents) - Extra-abdominal desmoid tumor
New York (Long Island Jewish Medical Center) - Collagenous fibroma
North Carolina (Wake Forest University Residents) - Eosinophilic fasciitis
Pennsylvania (Lehigh Valley Hospital) - Fibroma of tendon sheath
Pennsylvania (Conemaugh Medical Center Residents) - Fibroma of tendon sheath
Pennsylvania (Allegheny General Hospital) - Nuchal fibroma
Wisconsin (Madison) - Desmoplastic fibroma vs. fibromatosis vs. GOK
Brazil (Hospital Amaral Carvalho) - Nuchal fibroma
Canada (Foothills Hospital, Calgary) - Extra-abdominal fibromatosis
Japan (Kawasaki Medical School Hospital, Kurashiki) - Desmoplastic fibroma (fibroblastoma) (4)
Japan (Kyoto) - Elastofibroma (2); Fibroma of tendon sheath (1)
Portugal (HSJ/IPATIMUP Residents) - Fibromatosis – extra-abdominal
Puerto Rico (San Juan) - Tenofactive fibroinflammatory ?
Singapore - Fibromatosis (1); Fibroma, features suggestive of nuchal fibroma (1)

DIAGNOSIS:

Collagenous fibroma (desmoplastic fibroblastoma), shoulder

T-Y2300, M-88100

REFERENCES:

- Jang JG, Jung HH, Suh KS, et al. Desmoplastic Fibroblastoma (Collagenous Fibroma). *Am J Dermatopathol* 1999; 21(3):256-258.
- Miettinen M, Fetsch JF. Collagenous Fibroma (Desmoplastic Fibroblastoma). A Clinicopathologic Analysis of 63 Cases of a Distinctive Soft Tissue Lesion with Stellate-Shaped Fibroblasts. *Hum Pathol* 1998; 29(7):676-682.
- Hasegawa T, Shimoda T, Hirohashi S, et al. Collagenous Fibroma (Desmoplastic Fibroblastoma). Report of Four Cases and Review of the Literature. *Arch Pathol Lab Med* 1998; 122(5):455-460.
- Evans HL. Desmoplastic Fibroblastoma. A Report of Seven Cases. *Am J Surg Pathol* 1995; 19(9):1077-1081.

Case No. 2, Accession No. 28723

January 2001

Mountain View (El Camino Pathology Group) - Extraskeletal chondroma

Bakersfield - Chondroma

Hayward/Fremont - Low grade chondrosarcoma (need x-ray) (2); Extraskeletal chondroma (need x-ray) (2)

Orange (UCI Medical Center Residents) - Extraskeletal chondroma

Oakland (Kaiser) - Extraskeletal chondroma (3)

Ventura (Unilab) - Extraskeletal chondroma (2)

Santa Rosa - Extraskeletal chondroma (3)

Long Beach - Chondroma (6)

San Diego (Naval Medical Center) - Soft tissue chondroma

Bay Area - Enchondroma (3)

Monterey Park (Garfield Medical Center) - Osteochondroma

Monterey (Community Hospital of Monterey Peninsula) - Chondroma of soft parts

Santa Clara - Extraskeletal chondroma (6)

Sacramento (UC Davis) - Soft tissue chondroma

Alaska (Anchorage) - Chondroma

Florida (Tallahassee) - Chondroma

Florida (Winter Haven Hospital) - Synovial chondromatosis

Florida (Munroe Regional Medical Center) - Calcifying aponeurotic fibroma

Georgia (Piedmont Hospital) - Soft tissue chondroma with ossification

Illinois (Dupage Pathology Associates) - Extraskeletal chondroma (2)

Illinois (Burr Ridge) - Chondroma

Illinois (Northwestern Memorial Hospital) - Enchondroma

Iowa (University of Iowa) - Chondroma

Kentucky (University of Louisville Residents) - Chondroma

Maryland (Johns Hopkins Hospital Residents) - Soft tissue chondroma

Maryland (National Naval Medical Center) - Chondroma of soft parts

Maryland (University of Maryland) - Soft tissue chondroma

Maryland (Woodbine) - Periosteal chondroma (2)

Massachusetts (Berkshire Medical Center) - Chondroma (5) vs. bizarre periosteal osteochondromatous proliferation (1)

Michigan (St. Joseph Mercy Hospital) - Enchondroma

Michigan (Oakwood Hospital) - Enchondroma

Missouri (Truman Medical Center) - Periosteal chondroma

Nebraska (Omaha) - Enchondroma

Nevada (Reno) - Chondroma of soft parts

New Jersey (Overlook Hospital) - Chondroma of soft tissue (3)

New York (Northport VAMC) - Extraskeletal chondroma

New York (Beth Israel Medical Center Residents) - Extraskeletal chondroma

New York (SUNY Stony Brook University Hospital Residents) - Chondroma of soft parts
New York (Long Island Jewish Medical Center) - Soft tissue chondroma
North Carolina (Wake Forest University Residents) - Extraskelatal osteochondroma
Pennsylvania (Lehigh Valley Hospital) - Soft tissue chondroma
Pennsylvania (Conemaugh Medical Center Residents) - Enchondroma
Pennsylvania (Allegheny General Hospital) - Extraskelatal chondroma
Wisconsin (Madison) - Extraskelatal chondroma of soft parts
Brazil (Hospital Amaral Carvalho) - Chondroma
Canada (Foothills Hospital, Calgary) - Extraskelatal chondroma
Japan (Kawasaki Medical School Hospital, Kurashiki) - Chondroma, extraskelatal (4)
Japan (Kyoto) - Extraskelatal chondroma (2); Tumoral calcinosis (1)
Portugal (HSJ/IPATIMUP Residents) - Soft tissue chondroma
Puerto Rico (San Juan) - Peripheral chondroma
Singapore - Chondroma (2)

DIAGNOSIS:

Soft tissue chondroma, thumb

T-Y8810, M-92200

REFERENCES:

Humphreys S, Pambakian H, et al. Soft Tissue Chondroma. A Study of 15 Tumours. *Histopathology* 1986; 10(2): 147-159.
 O'Malley MJ, Faller GT and Craig CC. Extraskelatal Chondroma of the Foot. *Orthopedics* 1996; 19(3):256-258.
 Dagum AB and Sampson SP. Enchondroma Protuberans. A Case Report. *J Hand Surg* 1998; 23(2):338-341.
 Del Signore JL, Torre BA, Miller RJ. Extraskelatal chondroma of the hand. Case report and review of the literature. *Clin Orthop* (U.S.) May 1990, (254):147-152.

Case No. 3, Accession No. 28608

January 2001

Mountain View (El Camino Pathology Group) - Angiomyofibroblastoma
Bakersfield - Abdominal fibromatosis
Hayward/Fremont - Angiomyofibroblastoma (4)
Orange (UCI Medical Center Residents) - Angiomyofibroblastoma
Oakland (Kaiser) - Angiomyxoma (3)
Ventura (Unilab) - Pelvic fibromatosis (2)
Santa Rosa - Spindle cell lipoma (1); Benign fibromyxoid tumor (1); Benign mesenchymal hamartoma (1)
Long Beach - Fibroma (6)
San Diego (Naval Medical Center) - Aggressive angiomyxoma
Bay Area - Cellular angiofibroma (3)
Monterey Park (Garfield Medical Center) - Myxofibroma
Monterey (Community Hospital of Monterey Peninsula) - Angiofibroma
Santa Clara - Reactive myofibroblastic proliferation (6)
Sacramento (UC Davis) - Aggressive angiomyxoma
Alaska (Anchorage) - Aggressive angiomyxoma
Florida (Tallahassee) - Aggressive angiomyxoma
Florida (Winter Haven Hospital) - Angiomyofibroblastoma
Florida (Munroe Regional Medical Center) - Aggressive angiomyxoma
Georgia (Piedmont Hospital) - Angiomyofibroblastoma
Illinois (Dupage Pathology Associates) - Myolipoma (2)
Illinois (Burr Ridge) - (Post operative) spindle cell nodule
Illinois (Northwestern Memorial Hospital) - Aggressive angiomyxoma
Iowa (University of Iowa) - Aggressive angiomyxoma
Kentucky (University of Louisville Residents) - Aggressive angiomyxoma
Maryland (Johns Hopkins Hospital Residents) - Aggressive angiomyxoma

Maryland (National Naval Medical Center) - Angiomyofibroblastoma (8); Angiomyxoma (2)
Maryland (University of Maryland) - Aggressive angiomyxoma
Maryland (Woodbine) - Well-differentiated liposarcoma (1); Solitary fibrous tumor (1)
Massachusetts (Berkshire Medical Center) - Aggressive angiomyxoma
Michigan (St. Joseph Mercy Hospital) - Angiomyofibroblastoma
Michigan (Oakwood Hospital) - Angiomyofibroblastoma
Missouri (Truman Medical Center) - Genital rhabdomyoma
Nebraska (Omaha) - Aggressive angiomyxoma
Nevada (Reno) - Angiomyofibroblastoma
New Jersey (Overlook Hospital) - Angiomyofibroblastoma (3)
New York (Northport VAMC) - Aggressive angiomyxoma
New York (Beth Israel Medical Center Residents) - Aggressive angiomyxoma
New York (SUNY Stony Brook University Hospital Residents) - Aggressive angiomyxoma
New York (Long Island Jewish Medical Center) - Aggressive angiomyxoma
North Carolina (Wake Forest University Residents) - Aggressive angiomyxoma
Pennsylvania (Lehigh Valley Hospital) - Angiomyxoma
Pennsylvania (Conemaugh Medical Center Residents) - Aggressive angiomyxoma/angiomyofibroblastoma
Pennsylvania (Allegheny General Hospital) - Aggressive angiomyxoma
Wisconsin (Madison) - Aggressive angiomyxoma (doubt angiomyxofibroblastoma)
Brazil (Hospital Amaral Carvalho) - Angiomyofibroblastoma
Canada (Foothills Hospital, Calgary) - Aggressive angiomyxoma
Japan (Kawasaki Medical School Hospital, Kurashiki) - Angiomyofibroblastoma (4)
Japan (Kyoto) - Angiomyofibroblastoma (1); Aggressive angiomyxoma (2)
Portugal (HSJ/IPATIMUP Residents) - Angiomyxoma (aggressive angiomyxoma)
Puerto Rico (San Juan) - Leiomyoma
Singapore - Aggressive angiomyxoma (2)

DIAGNOSIS:

Angiomyofibroblastoma

T-68070, M-91600

REFERENCES:

Fletcher CD, Tsang WY, Fisher C, Lee KC, et al. Angiomyofibroblastoma of the Vulva. A Benign Neoplasm Distinct from Aggressive Angiomyxoma. *Am J Surg Pathol* 1992; 16(4):373-382.
 Laskin WB, Fetsch JF and Mostofi FK. Angiomyofibroblastoma like Tumor of the Male Genital Tract. Analysis of 11 Cases with Comparison to Female Angiomyofibroblastoma and Spindle Cell Lipoma. *Am J Surg Pathol* 1998; 22(1):6-16.
 Laskin WB, Fetsch JF, Tavassoli FA. Angiomyofibroblastoma of the Female Genital Tract. Analysis of 17 Cases Including a Lipomatous Variant. *Hum Pathol* 1997; 28(9):1046-1055.
 Ockner DM, Sayadi H, Swanson PE, et al. Genital Angiomyofibroblastoma. Comparison with Aggressive Angiomyxoma and Other Myxoid Neoplasms of Skin and Soft Tissue. *Am J Clin Pathol* 1997; 107(1):36-44.

Case No. 4, Accession No. 28449

January 2001

Mountain View (El Camino Pathology Group) - Lymphangioma
Bakersfield - Multicystic mesothelioma
Hayward/Fremont - Angiomyolipoma of soft tissue (2); Lymphangioma (1); Hemangioma (1)
Orange (UCI Medical Center Residents) - Lymphangiomyoma
Oakland (Kaiser) - Lymphangioma (3)
Ventura (Unilab) - Venous hemangioma (2)
Santa Rosa - Hemangioma, A-V malformation (1); Venous hemangioma (1); Cavernous hemangioma (1)
Long Beach - Lymphangioma (6)
San Diego (Naval Medical Center) - Lymphangioleiomyoma
Bay Area - Cystic lymphangioma (cannot r/o lymphangioleiomyoma or angiomyolipoma) (3)

Monterey Park (Garfield Medical Center) - Lymphangioma
Monterey (Community Hospital of Monterey Peninsula) - Lymphangioma
Santa Clara - Lymphangioleiomyoma (6)
Sacramento (UC Davis) - Angiomyolipoma (vs. lymphangioma vs. benign cystic mesothelioma)
Alaska (Anchorage) - Multicystic benign mesothelioma
Florida (Tallahassee) - Cavernous hemangioma
Florida (Winter Haven Hospital) - Angiomyoma
Florida (Munroe Regional Medical Center) - Lymphangiomyoma
Georgia (Piedmont Hospital) - Angiomyolipoma
Illinois (Dupage Pathology Associates) - Multicystic peritoneal mesothelioma (1); Cystic mesothelioma (1)
Illinois (Burr Ridge) - Venous hemangioma
Illinois (Northwestern Memorial Hospital) - Lymphangiomyoma
Iowa (University of Iowa) - Lymphangioma
Kentucky (University of Louisville Residents) - Lymphangiomyoma (lymphangiomyomatosis)
Maryland (Johns Hopkins Hospital Residents) - Lymphangioma
Maryland (National Naval Medical Center) - Lymphangioma
Maryland (University of Maryland) - Multilocular cystic lymphangioma
Maryland (Woodbine) - Cavernous hemangioma (1); Cavernous lymphangioma (1)
Massachusetts (Berkshire Medical Center) - Mesenteric lymphangioma
Michigan (St. Joseph Mercy Hospital) - Lymphangiomyoma
Michigan (Oakwood Hospital) - Lymphangioma
Missouri (Truman Medical Center) - Benign cystic lymphangioma
Nebraska (Omaha) - Cystic lymphangioma
Nevada (Reno) - Cystic lymphangioma
New Jersey (Overlook Hospital) - Lymphangiomyoma
New York (Northport VAMC) - Venous hemangioma
New York (Beth Israel Medical Center Residents) - Lymphangioma
New York (SUNY Stony Brook University Hospital Residents) - Cystic lymphangioma
New York (Long Island Jewish Medical Center) - Lymphangioma
North Carolina (Wake Forest University Residents) - Lymphangiomyoma
Pennsylvania (Lehigh Valley Hospital) - Angiomyolipoma
Pennsylvania (Conemaugh Medical Center Residents) - AV malformation/angiodysplasia
Pennsylvania (Allegheny General Hospital) - Lymphangiomyoma
Wisconsin (Madison) - Lymphangioma
Brazil (Hospital Amaral Carvalho) - Vascular hamartoma
Canada (Foothills Hospital, Calgary) - Lymphangiomyoma
Japan (Kawasaki Medical School Hospital, Kurashiki) - Lymphangioma (4)
Japan (Kyoto) - Lymphangiomyoma (1); Arterio-venous hemangioma (1); Arterio-venous malformation (1)
Portugal (HSJ/IPATIMUP Residents) - Lymphangioma (cystic of the mesentery) vs. lymphangiomyoma
Puerto Rico (San Juan) - Adenomatoid lesion
Singapore - Lymphangioma (1); Lymphangiomyoma (hamartoma) (1)

DIAGNOSIS:

Cavernous lymphangiomyoma, mesentery

REFERENCES:

Carpenter HA, Lancaster JR and Lee RA. Multilocular Cysts of the Peritoneum. *Mayo Clin Proc* 1982; 57(10):634-638.
 Daya D and McCaughey WT. Pathology of the Peritoneum. A Review of Selected Topics. *Semin Diagn Pathol* 1991; 8:277-289.
 Ros PR, Olmstead WW, Moser RP, Jr., et al. Mesenteric and Omental Cysts. Histologic Classification with Imaging Correlation. *Radiology* 1987; 164(2):327-332.
 Bliss DP Jr., Coffin CM, Bower RJ, et al. Mesenteric Cysts in Children. *Surg* 1994; 115(5):571-577.

Mountain View (El Camino Pathology Group) - Monophasic synovial sarcoma
Bakersfield - Nodular fasciitis
Hayward/Fremont - Fibrosarcoma (r/o clear cell sarcoma) (3); Nodular fasciitis (1)
Orange (UCI Medical Center Residents) - MPNST vs. synovial sarcoma
Oakland (Kaiser) - Fibrosarcoma (3)
Ventura (Unilab) - Low grade fibrosarcoma (2)
Santa Rosa - Fibrosarcoma (3)
Long Beach - Fibrosarcoma (6)
San Diego (Naval Medical Center) - Mesenchymal chondrosarcoma (9); Malignant peripheral nerve sheath tumor (2)
Bay Area - Low grade myxoid fibrosarcoma (3)
Monterey Park (Garfield Medical Center) - Fibrosarcoma
Monterey (Community Hospital of Monterey Peninsula) - MPNST
Santa Clara - Monophasic synovial sarcoma (6)
Sacramento (UC Davis) - Fibrosarcoma
Alaska (Anchorage) - Synovial sarcoma
Florida (Tallahassee) - Synovial sarcoma, monophasic
Florida (Winter Haven Hospital) - Mesenchymal chondrosarcoma
Florida (Munroe Regional Medical Center) - Fibrosarcoma
Georgia (Piedmont Hospital) - Chondrosarcoma
Illinois (Dupage Pathology Associates) - Synovial sarcoma (monophasic) (2)
Illinois (Burr Ridge) - Malignant Schwannoma
Illinois (Northwestern Memorial Hospital) - Synovial sarcoma
Iowa (University of Iowa) - MPNST with heterologous elements
Kentucky (University of Louisville Residents) - Nodular fasciitis (? cytokeratin stains); myxofibrosarcoma
Maryland (Johns Hopkins Hospital Residents) - Favor monophasic synovial sarcoma – immunostains for cytokeratin and EMA would be helpful
Maryland (National Naval Medical Center) - Fibrous monophasic synovial sarcoma (7); Fibrosarcoma (5)
Maryland (University of Maryland) - High grade sarcoma, r/o synovial sarcoma
Maryland (Woodbine) - Malignant peripheral nerve sheath tumor (2)
Massachusetts (Berkshire Medical Center) - Synovial sarcoma
Michigan (St. Joseph Mercy Hospital) - Synovial sarcoma (1); Mesenchymal chondrosarcoma (1)
Michigan (Oakwood Hospital) - Sarcoma – monophasic synovial sarcoma vs. MPNST
Missouri (Truman Medical Center) - Fibrosarcoma vs. monophasic synovial sarcoma vs. sarcomatoid carcinoma
Nebraska (Omaha) - Fibrosarcoma
Nevada (Reno) - Low grade fibrosarcoma
New Jersey (Overlook Hospital) - Fibrosarcoma (1); Myxofibrosarcoma (1); Sarcoma, NOS (1)
New York (Northport VAMC) - Monophasic synovial sarcoma
New York (Beth Israel Medical Center Residents) - Synovial sarcoma
New York (SUNY Stony Brook University Hospital Residents) - Myofibrosarcoma
New York (Long Island Jewish Medical Center) - Undifferentiated sarcoma favor synovial sarcoma or fibrosarcoma, additional immuno workup
North Carolina (Wake Forest University Residents) - Malignant peripheral nerve sheath tumor (MPNST)
Pennsylvania (Lehigh Valley Hospital) - Low grade fibromyxoid sarcoma
Pennsylvania (Conemaugh Medical Center Residents) - Malignant peripheral nerve sheath tumor -- MPNST
Pennsylvania (Allegheny General Hospital) - Mesenchymal chondrosarcoma
Wisconsin (Madison) - High grade sarcoma, favor synovial sarcoma, need cytokeratin stain
Brazil (Hospital Amaral Carvalho) - Mesenchymal chondrosarcoma
Canada (Foothills Hospital, Calgary) - Mesenchymal chondrosarcoma
Japan (Kawasaki Medical School Hospital, Kurashiki) - Malignant peripheral nerve sheath tumor (4)
Japan (Kyoto) - Synovial sarcoma (3)
Portugal (HSJ/IPATIMUP Residents) - Fibrosarcoma (differential diagnosis: malignant peripheral nerve sheath tumor)

Puerto Rico (San Juan) - Rhabdomyosarcoma
Singapore - Malignant peripheral nerve sheath tumor (2)

DIAGNOSIS:

Fibrosarcoma, inguinal region

T-Y7000, M-88103

REFERENCES:

Oshiro Y, Fukuda T, and Tsuneyoshi M. Fibrosarcoma Versus Fibromatoses and Cellular Nodular Fasciitis. A Comparative Study of Their Proliferative Activity Using Proliferating Cell Nuclear Antigen, DNA Flow Cytometry, and p53. *Am J Surg Pathol* 1994; 18(7):712-719.
Schofield DE, Fletcher JA, Grier HE, et al. Fibrosarcoma in Infants and Children. Application of New Techniques. *Am J Surg Pathol* 1994; 18(1):14-24.
Suh CH, Ordonez, NG and Mackay B. Fibrosarcoma. Observations on the Ultrastructure. *Ultrastruct Pathol* 1993; 17(3-4):221-229.

Case No. 6, Accession No. 28621

January 2001

Mountain View (El Camino Pathology Group) - Well-differentiated liposarcoma
Bakersfield - Well-differentiated liposarcoma
Hayward/Fremont - Liposarcoma, well-differentiated (4)
Orange (UCI Medical Center Residents) - Well-differentiated liposarcoma
Oakland (Kaiser) - Well-differentiated liposarcoma (3)
Ventura (Unilab) - Liposarcoma (2)
Santa Rosa - Atypical lipomatous tumor if superficial (1); Atypical lipoma (1); Liposarcoma, NOS (1)
Long Beach - Liposarcoma, well-differentiated (6)
San Diego (Naval Medical Center) - Well-differentiated lipoma-like liposarcoma
Bay Area - Well-differentiated liposarcoma (atypical lipomatous tumor) (2); Atypical lipoma (1)
Monterey Park (Garfield Medical Center) - Liposarcoma, low grade
Monterey (Community Hospital of Monterey Peninsula) - Liposarcoma
Santa Clara - Well-differentiated liposarcoma (6)
Sacramento (UC Davis) - Atypical lipomatous tumor
Alaska (Anchorage) - Liposarcoma (well-differentiated)
Florida (Tallahassee) - Liposarcoma, well-differentiated
Florida (Winter Haven Hospital) - Well-differentiated liposarcoma
Florida (Munroe Regional Medical Center) - Well-differentiated liposarcoma
Georgia (Piedmont Hospital) - Liposarcoma
Illinois (Dupage Pathology Associates) - Liposarcoma, well-differentiated (2)
Illinois (Burr Ridge) - Liposarcoma
Illinois (Northwestern Memorial Hospital) - Well-differentiated liposarcoma
Iowa (University of Iowa) - Myxoid liposarcoma
Kentucky (University of Louisville Residents) - Liposarcoma, well-differentiated
Maryland (Johns Hopkins Hospital Residents) - Atypical lipoma – well-differentiated liposarcoma (depending if tumor is retroperitoneal)
Maryland (National Naval Medical Center) - Liposarcoma with mixed features
Maryland (University of Maryland) - Myxoid liposarcoma
Maryland (Woodbine) - Liposarcoma (2)
Massachusetts (Berkshire Medical Center) - Liposarcoma, high grade
Michigan (St. Joseph Mercy Hospital) - Well-differentiated liposarcoma
Michigan (Oakwood Hospital) - Well-differentiated liposarcoma
Missouri (Truman Medical Center) - Pleomorphic lipoma
Nebraska (Omaha) - Well-differentiated liposarcoma
Nevada (Reno) - Well-differentiated liposarcoma
New Jersey (Overlook Hospital) - Liposarcoma, well-differentiated (3)

New York (Northport VAMC) - Well-differentiated liposarcoma
New York (Beth Israel Medical Center Residents) - Liposarcoma
New York (SUNY Stony Brook University Hospital Residents) - Well-differentiated liposarcoma
New York (Long Island Jewish Medical Center) - Myxoid liposarcoma
North Carolina (Wake Forest University Residents) - Myxoid liposarcoma
Pennsylvania (Lehigh Valley Hospital) - Well-differentiated liposarcoma, sclerosing type
Pennsylvania (Conemaugh Medical Center Residents) - Well-differentiated liposarcoma
Pennsylvania (Allegheny General Hospital) - Well-differentiated liposarcoma
Wisconsin (Madison) - Lipoma-like well-differentiated liposarcoma
Brazil (Hospital Amaral Carvalho) - Lipoma-like liposarcoma
Canada (Foothills Hospital, Calgary) - Liposarcoma, myxoid
Japan (Kawasaki Medical School Hospital, Kurashiki) - Liposarcoma, well-differentiated (4)
Japan (Kyoto) - Liposarcoma, well-differentiated (2); Pleomorphic lipoma (1)
Portugal (HSJ/IPATIMUP Residents) - Liposarcoma “lipoma-like”
Puerto Rico (San Juan) - Liposarcoma
Singapore - Well-differentiated liposarcoma (2)

DIAGNOSIS:

Well-differentiated liposarcoma, abdomen

T-Y4100, M-88503

REFERENCES:

Lucas DR, Nascimento AG, Sanjay BK, et al. Well-Differentiated Liposarcoma. Mayo Clinic Experience with 58 Cases. *Am J Clin Pathol* 1994; 102(5):677-683.
 Elgar F and Goldblum JR. Well-Differentiated Liposarcoma of the Retroperitoneum. A Clinicopathologic Analysis of 20 Cases, with Particular Attention to the Extent of Low-Grade Dedifferentiation. *Mod Pathol* 1997; 10(2):113-120.
 Sreekantiah C, Karakousis CP, Leong SP and Sandberg AA. Cytogenetic Findings in Liposarcoma Correlate with Histopathologic Subtypes. *Cancer* 1992; 69(10):2484-2495.
 Weiss SW and Rao VK. Well-Differentiated Liposarcoma (Atypical Lipoma) of Deep Soft Tissue of the Extremities, Retroperitoneum, and Miscellaneous Sites. A Follow-Up Study of 92 Cases with Analysis of the Incidence of “Dedifferentiation”. *Am J Surg Pathol* 1992; 16(11):1051-1058.

Case No. 7, Accession No. 29007

January 2001

Mountain View (El Camino Pathology Group) - Leiomyosarcoma, high grade
Bakersfield - Malignant fibrous histiocytoma
Hayward/Fremont - Leiomyosarcoma (4)
Orange (UCI Medical Center Residents) - Leiomyosarcoma
Oakland (Kaiser) - Leiomyosarcoma (3)
Ventura (Unilab) - Leiomyosarcoma (2)
Santa Rosa - Cutaneous leiomyosarcoma (3)
Long Beach - Leiomyosarcoma (6)
San Diego (Naval Medical Center) - Pleomorphic leiomyosarcoma
Bay Area - Leiomyosarcoma (3)
Monterey Park (Garfield Medical Center) - Leiomyosarcoma
Monterey (Community Hospital of Monterey Peninsula) - MFH
Santa Clara - MFH (6)
Sacramento (UC Davis) - MFH vs. pleomorphic rhabdomyosarcoma
Alaska (Anchorage) - Leiomyosarcoma (subcutaneous)
Florida (Tallahassee) - Leiomyosarcoma
Florida (Winter Haven Hospital) - Leiomyosarcoma
Florida (Munroe Regional Medical Center) - Leiomyosarcoma
Georgia (Piedmont Hospital) - Leiomyosarcoma

Illinois (Dupage Pathology Associates) - Symplastic leiomyoma (2)
Illinois (Burr Ridge) - Malignant fibrous histiocytoma
Illinois (Northwestern Memorial Hospital) - Liposarcoma vs. vascular leiomyosarcoma
Iowa (University of Iowa) - Pleomorphic rhabdomyosarcoma
Kentucky (University of Louisville Residents) - Leiomyosarcoma
Maryland (Johns Hopkins Hospital Residents) - Leiomyosarcoma, possibly of vascular origin
Maryland (National Naval Medical Center) - Leiomyosarcoma
Maryland (University of Maryland) - Pleomorphic leiomyosarcoma
Maryland (Woodbine) - Leiomyosarcoma (2)
Massachusetts (Berkshire Medical Center) - Leiomyosarcoma
Michigan (St. Joseph Mercy Hospital) - Leiomyosarcoma
Michigan (Oakwood Hospital) - Leiomyosarcoma
Missouri (Truman Medical Center) - Atypical fibrous xanthoma
Nebraska (Omaha) - Dermatofibrosarcoma protuberans
Nevada (Reno) - Leiomyosarcoma
New Jersey (Overlook Hospital) - Subcutaneous leiomyosarcoma (3)
New York (Northport VAMC) - Leiomyosarcoma
New York (Beth Israel Medical Center Residents) - Leiomyosarcoma
New York (SUNY Stony Brook University Hospital Residents) - Pleomorphic rhabdomyosarcoma
New York (Long Island Jewish Medical Center) - Leiomyosarcoma, immuno unnecessary
North Carolina (Wake Forest University Residents) - Malignant fibrous histiocytoma
Pennsylvania (Lehigh Valley Hospital) - Leiomyosarcoma
Pennsylvania (Conemaugh Medical Center Residents) - Leiomyosarcoma
Pennsylvania (Allegheny General Hospital) - Leiomyosarcoma
Wisconsin (Madison) - High grade sarcoma, favor leiomyosarcoma (MFH-like)
Brazil (Hospital Amaral Carvalho) - Leiomyosarcoma
Canada (Foothills Hospital, Calgary) - Vascular leiomyosarcoma
Japan (Kawasaki Medical School Hospital, Kurashiki) - Leiomyosarcoma (3); Sarcoma, NOS (1)
Japan (Kyoto) - Leiomyosarcoma (2); Bizarre leiomyosarcoma (1)
Portugal (HSJ/IPATIMUP Residents) - Pleomorphic sarcoma – probably leiomyosarcoma
Puerto Rico (San Juan) - Malignant fibrous histiocytoma
Singapore - Leiomyosarcoma (2)

DIAGNOSIS:

Pleomorphic leiomyosarcoma, forearm
 T-Y8500, M-88903

REFERENCES:

Miettinen M. Immunoreactivity for Cytokeratin and Epithelial Membrane Antigen in Leiomyosarcoma. *Arch Pathol Lab Med* 1988; 112(6):637-640.
 Gustafson P, Willen H, Baldetorp B, et al. Soft Tissue Leiomyosarcoma. A Population-Based Epidemiologic and Prognostic Study of 48 Patients, Including Cellular DNA Content. *Cancer* 1992; 70(1):114-119.
 Mertens F, Fletcher CD, Dal Cin P, et al. Cytogenetic Analysis of 46 Pleomorphic Soft Tissue Sarcomas and Correlation with Morphologic and Clinical Features. A Report of the CHAMP Study Group. *Chromosomes and Morphology. Genes Chromosomes. Cancer* 1998; 22(1):16-25.
 Schurch W, Begin LR, Seemayer TA, et al. Pleomorphic Soft Tissue Myogenic Sarcomas of Adulthood. A Reappraisal in the Mid-1990s. *Am J Surg Pathol* 1996; 20(2):131-147.

Case No. 8, Accession No. 28882

January 2001

Mountain View (El Camino Pathology Group) - Neurofibroma
Bakersfield - Neurilemmoma
Hayward/Fremont - Benign peripheral nerve sheath tumor (3); Malignant peripheral nerve sheath tumor (1)
Orange (UCI Medical Center Residents) - Schwannoma

Oakland (Kaiser) - Neurofibroma (3)
Ventura (Unilab) - Neurilemmoma (2)
Santa Rosa - Schwannoma (3)
Long Beach - Schwannoma (6)
San Diego (Naval Medical Center) - Cellular Schwannoma – Schwannoma (7); Low-grade malignant peripheral nerve sheath tumor (4)
Bay Area - Schwannoma (peripheral nerve sheath tumor) (3)
Monterey Park (Garfield Medical Center) - Schwannoma
Monterey (Community Hospital of Monterey Peninsula) - Neurofibroma
Santa Clara - Schwannoma (6)
Sacramento (UC Davis) - Schwannoma
Alaska (Anchorage) - Neurofibrosarcoma (MPNST)
Florida (Tallahassee) - Schwannoma
Florida (Winter Haven Hospital) - Schwannoma
Florida (Munroe Regional Medical Center) - Plexiform neurofibroma
Georgia (Piedmont Hospital) - Schwannoma
Illinois (Dupage Pathology Associates) - Neurofibroma (2)
Illinois (Burr Ridge) - Neurotropic melanoma
Illinois (Northwestern Memorial Hospital) - Schwannoma
Iowa (University of Iowa) - Schwannoma
Kentucky (University of Louisville Residents) - Myxoid neurofibroma
Maryland (Johns Hopkins Hospital Residents) - Neurofibroma
Maryland (National Naval Medical Center) - Cellular neurilemmoma (10); Malignant peripheral nerve sheath tumor (2)
Maryland (University of Maryland) - Schwannoma
Maryland (Woodbine) - Neurofibrosarcoma (1); Malignant peripheral nerve sheath tumor (1)
Massachusetts (Berkshire Medical Center) - Cellular Schwannoma
Michigan (St. Joseph Mercy Hospital) - Schwannoma
Michigan (Oakwood Hospital) - Cellular Schwannoma
Missouri (Truman Medical Center) - Plexiform neurofibroma
Nebraska (Omaha) - Myxoid neurofibroma
Nevada (Reno) - Neural sheath tumor
New Jersey (Overlook Hospital) - Malignant Schwannoma (1); Cellular Schwannoma (2)
New York (Northport VAMC) - Schwannoma
New York (Beth Israel Medical Center Residents) - Schwannoma
New York (SUNY Stony Brook University Hospital Residents) - Cellular Schwannoma
New York (Long Island Jewish Medical Center) - Plexiform Schwannoma with a nodule of cellular Schwannoma
North Carolina (Wake Forest University Residents) - Neurofibroma
Pennsylvania (Lehigh Valley Hospital) - Neurofibroma
Pennsylvania (Conemaugh Medical Center Residents) - Neurofibroma
Pennsylvania (Allegheny General Hospital) - Cellular schwannoma
Wisconsin (Madison) - Cellular Schwannoma
Brazil (Hospital Amaral Carvalho) - Benign peripheral nerve sheath tumor
Canada (Foothills Hospital, Calgary) - Neurilemmoma
Japan (Kawasaki Medical School Hospital, Kurashiki) - Cellular Schwannoma (4)
Japan (Kyoto) - Cellular Schwannoma (3)
Portugal (HSJ/IPATIMUP Residents) - Benign peripheral nerve sheath tumor (Schwannoma)
Puerto Rico (San Juan) - Schwannoma
Singapore - Schwannoma (2)

DIAGNOSIS:

Cellular Schwannoma, groin

(Note: Not all slides showed both Antoni A and Antoni B regions....drc)

T-Y7000, M-95600

REFERENCES:

- Casadei GP, Scheithauer BW, Hirose T, et al. Cellular Schwannoma. A Clinicopathologic DNA Flow Cytometric, and Proliferation Marker Study 70 Patients. *Cancer* 1995; 75(5):1109-1119.
- Lodding P, Kindblom LG, Angervall L, and Stenman G. Cellular Schwannoma. A Clinicopathologic Study of 29 Cases. *Virchows Arch A Pathol Anat Histopathol* 1990; 416(3):237-248.
- White W, Shiu MH, Resenblum MK, et al. Cellular Schwannoma. A Clinicopathologic Study of 57 Patients and 58 Tumors. *Cancer* 1990; 66(6):1266-1275.
- Yu GH, Sack MJ, Baloch Z, et al. Difficulties in the Fine Needle Aspiration (FNA) Diagnosis of Schwannoma. *Cytopath* 1999; 10(3):186-194.

Case No. 9, Accession No. 28514

January 2001

Mountain View (El Camino Pathology Group) - Melanoma of soft parts (clear cell sarcoma)

Bakersfield - Malignant peripheral nerve sheath tumor

Hayward/Fremont - Sarcoma, needs ipox (4)

Orange (UCI Medical Center Residents) - Melanoma (6); MPNST (2)

Oakland (Kaiser) - Malignant peripheral nerve sheath tumor (2); Melanoma (1)

Ventura (Unilab) - Epithelioid malignant peripheral nerve sheath tumor (2)

Santa Rosa - Synovial sarcoma (3)

Long Beach - Sarcoma (neurosarcoma?) (6)

San Diego (Naval Medical Center) - Clear cell sarcoma (10); Metastatic melanoma (1)

Bay Area - Epithelioid malignant peripheral nerve sheath tumor (1); Synovial sarcoma (1); Epithelioid sarcoma (1)

Monterey Park (Garfield Medical Center) - Clear cell sarcoma

Monterey (Community Hospital of Monterey Peninsula) - Clear cell sarcoma (melanoma soft parts)

Santa Clara - Epithelioid sarcoma (6)

Sacramento (UC Davis) - Malignant peripheral nerve sheath tumor

Alaska (Anchorage) - Clear cell sarcoma (malignant melanoma of soft parts)

Florida (Tallahassee) - Epithelioid sarcoma

Florida (Winter Haven Hospital) - Clear cell sarcoma

Florida (Munroe Regional Medical Center) - Synovial sarcoma

Georgia (Piedmont Hospital) - Epithelioid sarcoma vs. melanoma/clear cell sarcoma

Illinois (Dupage Pathology Associates) - Malignant epithelioid nerve sheath tumor (2)

Illinois (Burr Ridge) - Epithelioid sarcoma

Illinois (Northwestern Memorial Hospital) - Epithelioid malignant peripheral nerve sheath tumor

Iowa (University of Iowa) - Clear cell sarcoma

Kentucky (University of Louisville Residents) - Malignant neurofibrosarcoma (malignant Schwannoma, malignant peripheral nerve sheath tumor)

Maryland (Johns Hopkins Hospital Residents) - Favor epithelioid malignant peripheral nerve sheath tumor; (2) Clear cell sarcoma/melanoma of soft parts (3); Malignant melanoma

Maryland (National Naval Medical Center) - Clear cell sarcoma of soft parts

Maryland (University of Maryland) - Clear cell sarcoma of soft parts

Maryland (Woodbine) - Synovial sarcoma (2)

Massachusetts (Berkshire Medical Center) - Epithelioid sarcoma vs. clear cell sarcoma vs. epithelioid MPNST vs. synovial sarcoma

Michigan (St. Joseph Mercy Hospital) - Clear cell sarcoma

Michigan (Oakwood Hospital) - Epithelioid MPNST

Missouri (Truman Medical Center) - Clear cell sarcoma

Nebraska (Omaha) - Clear cell sarcoma

Nevada (Reno) - Epithelioid malignant peripheral nerve sheath tumor

New Jersey (Overlook Hospital) - Clear cell sarcoma (3)

New York (Northport VAMC) - Epithelioid MPNST

New York (Beth Israel Medical Center Residents) - Epithelioid sarcoma

New York (SUNY Stony Brook University Hospital Residents) - Clear cell sarcoma of soft parts

New York (Long Island Jewish Medical Center) - Clear cell sarcoma
North Carolina (Wake Forest University Residents) - Epithelioid MPNST
Pennsylvania (Lehigh Valley Hospital) - Clear cell sarcoma
Pennsylvania (Conemaugh Medical Center Residents) - Clear cell sarcoma
Pennsylvania (Allegheny General Hospital) - Epithelioid sarcoma
Wisconsin (Madison) - High grade sarcoma, malignant epithelioid peripheral nerve sheath tumor vs. clear cell sarcoma
Brazil (Hospital Amaral Carvalho) - Clear cell sarcoma (melanoma of soft parts)
Canada (Foothills Hospital, Calgary) - Clear cell sarcoma of soft parts
Japan (Kawasaki Medical School Hospital, Kurashiki) - Clear cell sarcoma (3; Malignant melanoma, metastatic (1)
Japan (Kyoto) - Epithelioid sarcoma (2); MPNST (1)
Portugal (HSJ/IPATIMUP Residents) - Clear cell sarcoma (soft part malignant melanoma)
Puerto Rico (San Juan) - Malignant peripheral nerve sheath tumor
Singapore - Melanoma (? of soft parts) (1); Epithelioid malignant peripheral nerve sheath tumor (1)

DIAGNOSIS:

Epithelioid malignant peripheral nerve sheath tumor, leg

(Note: Tumor was S-100 +, HMB45 -, Desmin -, CAM5.2 -)
 T-Y9400, M-95600

REFERENCES:

DiCarlo EF, Woodruff JM, Bansal M and Erlandson RA. The Purely Epithelioid Malignant Peripheral Nerve Sheath Tumor. *Am J Surg Pathol* 1986; 10(7):478-490.
 Rasbridge SM, Browse NL, Tighe JR and Fletcher CD. Malignant Nerve Sheath Tumor Arising in a Benign Ancient Schwannoma. *Histopathol* 1989; 14(5):525-528.
 Herrera GA, Reimann BE and Salinas JA. Malignant Schwannoma Presenting as a Malignant Fibrous Histiocytoma. *Ultrastruct Pathol* 1982; 3(3):253-261.
 Dodd LG, Scully S and Layfield LJ. Fine-Needle Aspiration of Epithelioid Malignant Peripheral Nerve Sheath Tumor (Epithelioid Malignant Schwannoma). *Diagn Cytopathol* 1997; 17(3):200-204.

Case No. 10, Accession No. 28435

January 2001

Mountain View (El Camino Pathology Group) - Leiomyosarcoma, low grade
Bakersfield - Piloleiomyoma
Hayward/Fremont - Dermal leiomyosarcoma (1); Dermal leiomyoma (2); AFX (1)
Orange (UCI Medical Center Residents) - Leiomyosarcoma (7); Fibrosarcoma (1)
Oakland (Kaiser) - Leiomyosarcoma (3)
Ventura (Unilab) - Cutaneous leiomyosarcoma (2)
Santa Rosa - Leiomyosarcoma (3)
Long Beach - Leiomyosarcoma (6)
San Diego (Naval Medical Center) - Leiomyosarcoma (4); Spindle cell melanoma (4); Atypical fibrous xanthoma (3)
Bay Area - Dermatofibrosarcoma protuberans (3)
Monterey Park (Garfield Medical Center) - Spindle cell squamous carcinoma
Monterey (Community Hospital of Monterey Peninsula) - Fibrosarcoma
Santa Clara - DFSP (6)
Sacramento (UC Davis) - Malignant spindle cell tumor of dermis MFH, vs. atypical fibroxanthoma vs. leiomyosarcoma pending immunostaining
Alaska (Anchorage) - Dermatofibrosarcoma protuberans
Florida (Tallahassee) - Neurofibroma
Florida (Winter Haven Hospital) - Leiomyosarcoma
Florida (Munroe Regional Medical Center) - Dermatofibrosarcoma protuberans
Georgia (Piedmont Hospital) - ? neurilemmoma, need immunos
Illinois (Dupage Pathology Associates) - Nodular fasciitis (2)
Illinois (Burr Ridge) - Leiomyosarcoma

Illinois (Northwestern Memorial Hospital) - Dermal leiomyosarcoma
Iowa (University of Iowa) - Cutaneous leiomyosarcoma
Kentucky (University of Louisville Residents) - Atypical fibroxanthoma (superficial MFH)
Maryland (Johns Hopkins Hospital Residents) - Dermal leiomyosarcoma
Maryland (National Naval Medical Center) - Myxoid leiomyosarcoma (8); Low grade fibromyxoid tumor (2); Cutaneous myofibroblastoma (1)
Maryland (University of Maryland) - Cutaneous leiomyosarcoma
Maryland (Woodbine) - Leiomyosarcoma (2)
Massachusetts (Berkshire Medical Center) - MFH vs. leiomyosarcoma vs. melanoma
Michigan (St. Joseph Mercy Hospital) - Desmoplastic melanoma
Michigan (Oakwood Hospital) - Leiomyosarcoma, cutaneous
Missouri (Truman Medical Center) - Leiomyosarcoma
Nebraska (Omaha) - Leiomyosarcoma
Nevada (Reno) - Leiomyosarcoma
New Jersey (Overlook Hospital) - Cutaneous leiomyosarcoma (3)
New York (Northport VAMC) - Leiomyosarcoma
New York (Beth Israel Medical Center Residents) - Dermatofibroma
New York (SUNY Stony Brook University Hospital Residents) - Atypical fibroxanthoma
New York (Long Island Jewish Medical Center) - Malignant fibrous histiocytoma or atypical fibroxanthoma
North Carolina (Wake Forest University Residents) - Leiomyosarcoma
Pennsylvania (Lehigh Valley Hospital) - Neurilemmoma
Pennsylvania (Conemaugh Medical Center Residents) - Atypical fibroxanthoma
Pennsylvania (Allegheny General Hospital) - Leiomyosarcoma
Wisconsin (Madison) - Superficial malignant fibrous histiocytoma (AFX)
Brazil (Hospital Amaral Carvalho) - Leiomyosarcoma
Canada (Foothills Hospital, Calgary) - Leiomyosarcoma cutis
Japan (Kawasaki Medical School Hospital, Kurashiki) - Leiomyosarcoma (4)
Japan (Kyoto) - Atypical fibroxanthoma (1); Nodular fasciitis (1); Superficial leiomyosarcoma (1)
Portugal (HSJ/IPATIMUP Residents) - Leiomyosarcoma of the dermis (borderline tumor)
Puerto Rico (San Juan) - Fibrous histiocytoma
Singapore - Neurotropic/desmoplastic melanoma (1); Cutaneous leiomyoma (1)

DIAGNOSIS:

Superficial leiomyosarcoma, arm
 T-Y8000, M-88903

REFERENCES:

Oliver GF, Reiman HM, et al. Cutaneous and Subcutaneous Leiomyosarcoma. A Clinicopathological Review of 14 Cases with Reference to Antidesmin Staining and Nuclear DNA Patterns Studied by Flow Cytometry. *Br J Dermatol* 1991; 124(3):252-257.
 Kaddu S, Beham A, et al. Cutaneous Leiomyosarcoma. *Am J Surg Pathol* 1997; 21:979-987.
 Suster S. Epithelioid Leiomyosarcoma of the Skin and Subcutaneous Tissue. Clinicopathologic, Immunohistochemical and Ultrastructural Study of Five Cases. *Am J Surg Pathol* 1994; 18(3):232-240.
 Bernstein SC and Roenigk RK. Leiomyosarcoma of the Skin. Treatment of 34 Cases. *Dermatol Surg* 1996; 22(7):631-635.