

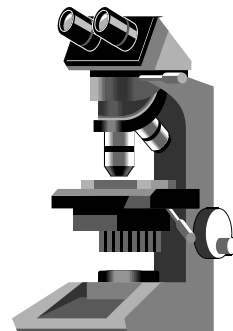


CALIFORNIA
TUMOR TISSUE REGISTRY

SOFT TISSUE PATHOLOGY

Minutes – Subscription A

October, 2003



SUGGESTED READING (General Topics from Recent Literature):

- Metastatic Potential of Dermatofibrosarcoma Protuberans with Fibrosarcomatous Change. Minter RM, Reith JD, and Hochwald SN. *J of Surg Oncol* 2003; 82:201-208.
- A Feasibility Study of the Use of the AutoPap Screening System as a Primary Screening and Location-Guided Rescreening Device. Confortini M, Bonardi L, et al. *Cancer* 2003; 99:129-134.
- Molecular Genetics of Pediatric Soft Tissue Tumors. Clinical Application. Chang-C-C and Shidham VB. *J Mol Diagn* 2003:143-154.
- Successfully Integrating Human Papillomavirus Testing Into Your Practice. Lozano R. *Arch Pathol Lab Med* 2003;127:991-994.

California Tumor Tissue Registry
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FILE DIAGNOSES

CTTR Subscription A

October 2003

Case 1:

Elastofibroma, posterior chest wall
T-Y2128, M-88200

Case 2:

Spindle cell lipoma, back
T-Y1100, M-88570

Case 3:

Well-differentiated liposarcoma, retroperitoneum
T-Y4600, M-88503

Case 4:

Myxoid/round cell liposarcoma, thigh
T-Y9100, M-88533

Case 5:

Angiomyolipoma, kidney
T-71000, M-88600

Case 6:

Low grade smooth muscle neoplasm of undetermined malignant potential, kidney
T-71000, M-88913

Case 7:

Dermatofibrosarcoma protuberans (DFSP), chest wall
T-Y2100, M-88323

Case 8:

Pleomorphic sarcoma with phenotype of MFH, retroperitoneum
T-Y4600, M-88303

Case 9:

Diffuse tenosynovial giant cell tumor, left thigh
T-Y9100, M-47830

Case 10:

Littoral cell angioma, spleen
T-07000, M-91200

Alameda (Alameda County Medical Center) - Elastofibroma
Bakersfield - Elastofibroma
Baldwin Park (Kaiser Permanente) - Elastofibroma (3)
Fontana (Kaiser Permanente) - Elastofibroma
Hayward/Fremont - Elastofibroma dorsi
Irvine (UC Irvine Residents) - Elastofibroma
Laguna Beach (South Coast Medical Center) - Elastofibroma
Long Beach - Elastofibroma (9)
Monterey (Community Hospital of the Monterey Peninsula) - Elastofibroma
Mountain View (El Camino Pathology Group, Inc.) - Elastofibroma
Oakland (Kaiser Permanente) - Elastofibroma (4)
Orange (Orange County Pathology Medical Group) - Fibromyxolipoma
Sacramento (UC Davis Medical Center) - Elastofibroma
San Diego (Naval Medical Center) - Elastofibroma
San Francisco (San Francisco General Hospital) - Elastofibroma
Santa Rosa - Elastofibroma (3)
Ventura - Elastofibroma
Arizona (Maryvale Medical Center) - Elastofibroma
Florida (Baptist Hospital) - Elastofibroma
Florida (Munroe Regional Medical Center) - Solitary fibrous tumor
Florida (Pathology Associates) - Elastofibroma
Florida (Winter Haven Hospital) - Elastofibroma
Illinois (Northwestern Memorial Hospital) - Elastofibroma
Louisiana (Louisiana State University Medical Center) - Elastofibroma dorsi
Maryland (National Cancer Institute) - Elastofibroma
Maryland (National Naval Medical Center) - Elastofibroma (15)
Massachusetts (Berkshire Medical Center) - Elastofibroma
Massachusetts (New England Medical Center Residents) - Elastofibroma
Michigan (Oakwood Hospital) - Elastofibroma
Michigan (St. Joseph Mercy Hospital) - Elastofibroma
Minnesota (Fairview Southdale Hospital) - Solitary fibrous tumor
Mississippi (University of Mississippi) - Elastofibroma
New Jersey (Overlook Hospital) - Elastofibroma
New York (Long Island Jewish Medical Center) - Elastofibroma
New York (Nassau University Medical Center) - Elastofibroma
New York (New York Presbyterian Hospital Residents) - Elastofibroma
New York (Stony Brook University Hospital Residents) - Elastofibroma
Ohio (Medical College of Ohio Residents) - Elastofibroma
Oklahoma (Tulsa) - Elastofibroma dorsi
Oklahoma (Veterans Affairs Medical Center) - Elastofibroma
Pennsylvania (Allegheny General Hospital) - Elastofibroma
Pennsylvania (Centre Community Hospital) - Elastofibroma
Pennsylvania (Lehigh Valley Hospital) - Elastofibroma (2)
Pennsylvania (Memorial Medical Center) - Elastofibroma /spindle cell lipoma
Pennsylvania (UPMC Health System) - Elastofibroma
Pennsylvania (York Laboratory Associates) - Elastofibroma (8)
Puerto Rico (University of Puerto Rico) - Elastofibroma
Rhode Island (RI Hospital Residents) - Elastofibroma
Texas (ProPath Associates) - Elastofibroma (2)
Texas (Scott & White Memorial Hospital) - Elastofibroma
West Virginia (Greenbrier Valley Medical Center) - Solitary fibrous tumor

[Wisconsin \(Meriter Hospital\)](#) - Elastofibroma
[Alaska \(Alaska Native Medical Center\)](#) - Elastofibroma
[Australia \(North Queensland Pathology\)](#) - Elastofibroma
[Australia \(Royal Prince Alfred Hospital\)](#) - Elastofibroma
[Canada \(Foothills Medical Center\)](#) - Elastofibroma
[Hong Kong \(Hong Kong Baptist Hospital\)](#) - Elastofibroma
[Italy \(Naples\)](#) - Elastofibroma
[Jamaica \(The University of the West Indies\)](#) - Elastofibroma
[Japan \(Yamanashi Medical University\)](#) - Elastofibroma (2); Fibrolipoma (1); Liposarcoma (1)
[Qatar \(Hamad Medical Corporation\)](#) - Elastofibroma

Case 1 - Diagnosis:

Elastofibroma, posterior chest wall
 T-Y2128, M-88200

Case 1 – References:

Hoffman JK, Klein MII and McInerney VK. Bilateral Elastofibroma: A Case Report and Review of the Literature. *Clin Orthop* 1996; 325:245-250.
 Mojica WD and Kuntzman T. Elastofibroma Dorsi. Elaboration of Cytologic Features and Review of Its Pathogenesis. *Diagn Cytopathol* 2000; 23(6):393-396.
 McComb EN, Feely MG, Neff JR, et al. Cytogenetic Instability, Predominantly Involving Chromosome 1, Is Characteristic of Elastofibroma. *Cancer Genet Cytogenet* 2001; 126(1):68-72.
 Kayaselcuk F, Demirhan B, Kayaselcuk U, et al. Vimentin, Smooth Muscle Actin, Desmin, S-100 Protein, p53, and Estrogen Receptor Expression in Elastofibroma and Nodular Fasciitis. *Ann Diagn Pathol* 2002; 6(2):94-99.

Case No. 2, Accession No. 29581

October 2003

[Alameda \(Alameda County Medical Center\)](#) - Spindle cell lipoma
[Bakersfield](#) - Angiosarcoma
[Baldwin Park \(Kaiser Permanente\)](#) - Spindle cell lipoma (3)
[Fontana \(Kaiser Permanente\)](#) - Spindle cell lipoma
[Hayward/Fremont](#) - Spindle lipoma
[Irvine \(UC Irvine Residents\)](#) - Spindle cell lipoma
[Laguna Beach \(South Coast Medical Center\)](#) - Spindle cell lipoma
[Long Beach](#) - Spindle cell lipoma (9)
[Monterey \(Community Hospital of the Monterey Peninsula\)](#) - Spindle cell lipoma
[Mountain View \(El Camino Pathology Group, Inc.\)](#) - Spindle cell lipoma
[Oakland \(Kaiser Permanente\)](#) - Spindle cell lipoma (4)
[Orange \(Orange County Pathology Medical Group\)](#) - Spindle cell lipoma
[Sacramento \(UC Davis Medical Center\)](#) - Spindle cell lipoma
[San Diego \(Naval Medical Center\)](#) - Pleomorphic lipoma, (2nd choice) Spindle cell lipoma
[San Francisco \(San Francisco General Hospital\)](#) - Liposarcoma, well differentiated
[Santa Rosa](#) - Spindle cell lipoma (3)
[Ventura](#) - Dermatofibrosarcoma protuberans
[Arizona \(Maryvale Medical Center\)](#) - Spindle cell lipoma
[Florida \(Baptist Hospital\)](#) - Atypical sclerosing lipoma
[Florida \(Munroe Regional Medical Center\)](#) - Spindle cell lipoma
[Florida \(Pathology Associates\)](#) - Atypical lipoma, pleomorphic lipoma
[Florida \(Winter Haven Hospital\)](#) - Spindle cell lipoma
[Illinois \(Northwestern Memorial Hospital\)](#) - Spindle cell lipoma
[Louisiana \(Louisiana State University Medical Center\)](#) - Spindle cell lipoma
[Maryland \(National Cancer Institute\)](#) - Spindle cell lipoma
[Maryland \(National Naval Medical Center\)](#) - Spindle cell lipoma (15)

Massachusetts (Berkshire Medical Center) - Spindle cell lipoma
Massachusetts (New England Medical Center Residents) - Spindle cell lipoma
Michigan (Oakwood Hospital) - Spindle cell lipoma
Michigan (St. Joseph Mercy Hospital) - Spindle cell lipoma
Minnesota (Fairview Southdale Hospital) - Spindle cell lipoma
Mississippi (University of Mississippi) - Spindle cell lipoma
New Jersey (Overlook Hospital) - Spindle cell lipoma
New York (Long Island Jewish Medical Center) - Spindle cell lipoma
New York (Nassau University Medical Center) - Spindle cell lipoma
New York (New York Presbyterian Hospital Residents) - Spindle cell lipoma
New York (Stony Brook University Hospital Residents) - Spindle cell lipoma
Ohio (Medical College of Ohio Residents) - Spindle cell lipoma
Oklahoma (Tulsa) - Spindle cell lipoma
Oklahoma (Veterans Affairs Medical Center) - Spindle cell lipoma
Pennsylvania (Allegheny General Hospital) - Spindle cell lipoma
Pennsylvania (Centre Community Hospital) - Spindle cell lipoma
Pennsylvania (Lehigh Valley Hospital) - Spindle cell lipoma (2)
Pennsylvania (Memorial Medical Center) - Atypical lipoma/spindle cell lipoma
Pennsylvania (UPMC Health System) - Spindle cell lipoma
Pennsylvania (York Laboratory Associates) - Spindle cell lipoma (8)
Puerto Rico (University of Puerto Rico) - Spindle cell lipoma
Rhode Island (RI Hospital Residents) - Spindle cell lipoma
Texas (Propath Associates) - Spindle cell lipoma (2)
Texas (Scott & White Memorial Hospital) - Spindle cell lipoma
West Virginia (Greenbrier Valley Medical Center) - Spindle cell lipoma
Wisconsin (Meriter Hospital) - Spindle cell lipoma
Alaska (Alaska Native Medical Center) - Spindle cell lipoma
Australia (North Queensland Pathology) - Spindle cell lipoma
Australia (Royal Prince Alfred Hospital) - Spindle cell lipoma
Canada (Foothills Medical Center) - Spindle cell lipoma
Hong Kong (Hong Kong Baptist Hospital) - Angiolipoma
Italy (Naples) - Spindle cell lipoma
Jamaica (The University of the West Indies) - Spindle cell lipoma
Japan (Yamanashi Medical University) - Lipomatous hemangiopericytoma (1); Angiolipoma (1); Angiomyxoma (1); Liposarcoma (1)
Qatar (Hamad Medical Corporation) - Spindle cell lipoma

Case 2 - Diagnosis:

Spindle cell lipoma, back
 T-Y1100, M-88570

Case 2 - References:

Bolen JW and Thorning D. Spindle-Cell Lipoma. A Clinical, Light-and Electron-Microscopical Study. *Am J Surg Pathol* 1981; 5(5):435-441.
 Domanski HA, Carlen B, Jonsson K, et al. Distinct Cytologic Features of Spindle Cell Lipoma. A Cytologic-Histologic Study with Clinical, Radiologic, Electron Microscopic, and Cytogenetic Correlations. *Cancer* 2001; 93(6):381-389.
 Fanburg-Smith JC, Devaney KO, Miettinen M, et al. Multiple Spindle Cell Lipomas. A Report of 7 Familial and 11 Nonfamilial Cases. *Am J Surg Pathol* 1998; 22(1):40-48.

Case No. 3, Accession No. 29692

October 2003

Alameda (Alameda County Medical Center) - Sclerosing well-differentiated liposarcoma (atypical lipomatous tumor)
Bakersfield - Myxoid liposarcoma

Baldwin Park (Kaiser Permanente) - Well-differentiated liposarcoma consistent with sclerosing features (1); Well-differentiated liposarcoma (2)

Fontana (Kaiser Permanente) - Myxoid liposarcoma

Hayward/Fremont - Liposarcoma (sclerosing, well-differentiated)

Irvine (UC Irvine Residents) - Well-differentiated liposarcoma

Laguna Beach (South Coast Medical Center) - Liposarcoma

Long Beach - Liposarcoma, low grade (9)

Monterey (Community Hospital of the Monterey Peninsula) - Liposarcoma

Mountain View (El Camino Pathology Group, Inc.) - Well-differentiated sclerosing liposarcoma

Oakland (Kaiser Permanente) - Well-differentiated liposarcoma (4)

Orange (Orange County Pathology Medical Group) - Well-differentiated (sclerosing) liposarcoma

Sacramento (UC Davis Medical Center) - Atypical lipomatous tumor

San Diego (Naval Medical Center) - Well-differentiated lipoma-like liposarcoma

San Francisco (San Francisco General Hospital) - Liposarcoma, pleomorphic

Santa Rosa - Well-differentiated (sclerosing) liposarcoma (1); Myxoid liposarcoma (1); Liposarcoma, myxoid type (1)

Ventura - Liposarcoma

Arizona (Maryvale Medical Center) - Sclerosing (fibrosing) liposarcoma

Florida (Baptist Hospital) - Liposarcoma

Florida (Munroe Regional Medical Center) - Liposarcoma

Florida (Pathology Associates) - Liposarcoma

Florida (Winter Haven Hospital) - Liposarcoma, well-differentiated

Illinois (Northwestern Memorial Hospital) - Liposarcoma, sclerosing type

Louisiana (Louisiana State University Medical Center) - Well-differentiated sclerosing liposarcoma

Maryland (National Cancer Institute) - Well-differentiated liposarcoma

Maryland (National Naval Medical Center) - Myxoid liposarcoma (15)

Massachusetts (Berkshire Medical Center) - Low grade liposarcoma

Massachusetts (New England Medical Center Residents) - Well-differentiated liposarcoma

Michigan (Oakwood Hospital) - Well-differentiated liposarcoma

Michigan (St. Joseph Mercy Hospital) - Sclerosing liposarcoma

Minnesota (Fairview Southdale Hospital) - Liposarcoma

Mississippi (University of Mississippi) - Liposarcoma, well-differentiated

New Jersey (Overlook Hospital) - Liposarcoma, well-differentiated

New York (Long Island Jewish Medical Center) - Well-differentiated liposarcoma

New York (Nassau University Medical Center) - Well-differentiated liposarcoma

New York (New York Presbyterian Hospital Residents) - Well-differentiated liposarcoma

New York (Stony Brook University Hospital Residents) - Sclerosing , well-differentiated liposarcoma

Ohio (Medical College of Ohio Residents) - Well-differentiated, sclerosing liposarcoma

Oklahoma (Tulsa) - Liposarcoma, well-differentiated

Oklahoma (Veterans Affairs Medical Center) - Atypical lipomatous tumor/Well-differentiated liposarcoma

Pennsylvania (Allegheny General Hospital) - Well-differentiated, sclerosing liposarcoma

Pennsylvania (Centre Community Hospital) - Well-differentiated liposarcoma

Pennsylvania (Lehigh Valley Hospital) - Lipoma-like liposarcoma (1); Myxoid liposarcoma (1)

Pennsylvania (Memorial Medical Center) - Liposarcoma

Pennsylvania (UPMC Health System) - Well-differentiated liposarcoma

Pennsylvania (York Laboratory Associates) - Atypical lipomatous tumor, well-differentiated liposarcoma with predominant cartilage differentiation (2); Atypical lipomatous tumor (1); Atypical lipomatous tumor/well-differentiated liposarcoma (1); Atypical lipoma/well-differentiated sarcoma (1); Well-differentiated liposarcoma (1); Atypical lipomatous tumor/well-differentiated liposarcoma (spindle /sclerosing/ variant) (1); Low grade liposarcoma (1)

Puerto Rico (University of Puerto Rico) - Well-differentiated liposarcoma

Rhode Island (RI Hospital Residents) - Liposarcoma

Texas (Propath Associates) - Well-differentiated sclerosing liposarcoma (2)

Texas (Scott & White Memorial Hospital) - Well-differentiated sclerosing liposarcoma

West Virginia (Greenbrier Valley Medical Center) - Pleomorphic lipoma

Wisconsin (Meriter Hospital) - Low grade liposarcoma

Alaska (Alaska Native Medical Center) - Liposarcoma, well-differentiated, sclerosing
Australia (North Queensland Pathology) - Well-differentiated liposarcoma
Australia (Royal Prince Alfred Hospital) - Well-differentiated liposarcoma, sclerosing variant
Canada (Foothills Medical Center) - Well-differentiated liposarcoma
Hong Kong (Hong Kong Baptist Hospital) - Pleomorphic liposarcoma
Italy (Naples) - Sclerosing, well-differentiated liposarcoma
Jamaica (The University of the West Indies) - Well-differentiated liposarcoma, sclerosing subtype
Japan (Yamanashi Medical University) - Liposarcoma, well (3); Myxoid (1)
Qatar (Hamad Medical Corporation) - Well-differentiated liposarcoma

Case 3 - Diagnosis:

Well-differentiated liposarcoma, retroperitoneum
T-Y4600, M-88503

Case 3 - References:

Szymanska J, Virolainen M, Tarkkanen M, et al. Overrepresentation of 1q21-23 and 12q13-21 in Lipoma-Like Liposarcomas But Not in Benign Lipomas. A Comparative Genomic Hybridization Study. *Cancer Genet Cytogenet* 1997; 99(1):14-18.
McCormick D, Mentzel T, Beham A, et al. Dedifferentiated Liposarcoma: Clinicopathologic Analysis of 32 Cases Suggesting a Better Prognostic Subgroup Among Pleomorphic Sarcomas. *Am J Surg Pathol* 1994; 18(12):1213-1223.
Azumi N, Curtis J, Kempson RL and Hendrickson MR. Atypical and Malignant Neoplasms Showing Lipomatous Differentiation. A Study of 111 Cases. *Am J Surg Pathol* 1987; 11(3):161-183.
Azzopardi JG, Iocco J and Salm R. Pleomorphic Lipoma. A Tumour Simulating Liposarcoma. *Histopathol* 1983; 7(4):511-523.

Case No. 4, Accession No. 29638

October 2003

Alameda (Alameda County Medical Center) - Myxoid liposarcoma
Bakersfield - Myxoid round cell liposarcoma
Baldwin Park (Kaiser Permanente) - Myxoid liposarcoma consistent with round cell liposarcoma (3)
Fontana (Kaiser Permanente) - Myxoid and round cell liposarcoma
Hayward/Fremont - Myxoid chondrosarcoma
Irvine (UC Irvine Residents) - Myxoid/round cell liposarcoma
Laguna Beach (South Coast Medical Center) - Round cell liposarcoma vs. mesenchymal chondrosarcoma
Long Beach - Liposarcoma, myxoid and round cell type (9)
Monterey (Community Hospital of the Monterey Peninsula) - Extra-osseous myxoid chondrosarcoma
Mountain View (El Camino Pathology Group, Inc.) - Myxoid liposarcoma
Oakland (Kaiser Permanente) - Myxoid round cell liposarcoma (4)
Orange (Orange County Pathology Medical Group) - Round cell liposarcoma
Sacramento (UC Davis Medical Center) - Extra-skeletal chondrosarcoma
San Diego (Naval Medical Center) - Chondroid lipoma (1); 2nd choice-Myxoid liposarcoma, cellular
San Francisco (San Francisco General Hospital) - Mesenchymal chondrosarcoma
Santa Rosa - Myxoid liposarcoma (3)
Ventura - Myxoid liposarcoma
Arizona (Maryvale Medical Center) - Extra-skeletal mesenchymal chondrosarcoma
Florida (Baptist Hospital) - Myxoid/round cell liposarcoma
Florida (Munroe Regional Medical Center) - Myxoid liposarcoma
Florida (Pathology Associates) - Round cell, myxoid liposarcoma
Florida (Winter Haven Hospital) - Dedifferentiated liposarcoma
Illinois (Northwestern Memorial Hospital) - Myxoid liposarcoma
Louisiana (Louisiana State University Medical Center) - Myxoid and round cell liposarcoma
Maryland (National Cancer Institute) - Mesenchymal chondrosarcoma
Maryland (National Naval Medical Center) - Round cell liposarcoma (14); Chondroid lipoma (1)
Massachusetts (Berkshire Medical Center) - Extra-skeletal chondrosarcoma
Massachusetts (New England Medical Center Residents) - Myxoid liposarcoma

Michigan (Oakwood Hospital) - Myxoid chondrosarcoma
Michigan (St. Joseph Mercy Hospital) - Myxoid/round cell liposarcoma
Minnesota (Fairview Southdale Hospital) - Chondrosarcoma
Mississippi (University of Mississippi) - Myxoid/round cell liposarcoma
New Jersey (Overlook Hospital) - Myxoid liposarcoma
New York (Long Island Jewish Medical Center) - Myxoid/round cell liposarcoma
New York (Nassau University Medical Center) - Myxoid/round cell liposarcoma
New York (New York Presbyterian Hospital Residents) - Myxoid liposarcoma
New York (Stony Brook University Hospital Residents) - Round cell liposarcoma
Ohio (Medical College of Ohio Residents) - Myxoid liposarcoma
Oklahoma (Tulsa) - Myxoid liposarcoma
Oklahoma (Veterans Affairs Medical Center) - Myxoid liposarcoma
Pennsylvania (Allegheny General Hospital) - Liposarcoma, round cell type
Pennsylvania (Centre Community Hospital) - Myxoid/round cell liposarcoma
Pennsylvania (Lehigh Valley Hospital) - Myxoid liposarcoma (1); Synovial sarcoma (1)
Pennsylvania (Memorial Medical Center) - Myxoid/round cell liposarcoma
Pennsylvania (UPMC Health System) - Cellular myxoid round cell liposarcoma
Pennsylvania (York Laboratory Associates) - Extra-skeletal chondrosarcoma (2); Extra-skeletal chondrosarcoma vs. sarcoma with cartilaginous differentiation (3); Chondrosarcoma (1); Sarcoma (1); Extra-skeletal myxoid chondrosarcoma (1)
Puerto Rico (University of Puerto Rico) - Myxoid liposarcoma
Rhode Island (RI Hospital Residents) - Myxoid/round cell liposarcoma
Texas (ProPath Associates) - Extra-skeletal myxoid chondrosarcoma (2)
Texas (Scott & White Memorial Hospital) - Myxoid/round cell liposarcoma
West Virginia (Greenbrier Valley Medical Center) - Chondroid lipoma
Wisconsin (Meriter Hospital) - Low grade chondrosarcoma
Alaska (Alaska Native Medical Center) - Myxoid liposarcoma (2); Extra-skeletal mesenchymal chondrosarcoma (1)
Australia (North Queensland Pathology) - Round cell and myxoid liposarcoma
Australia (Royal Prince Alfred Hospital) - Round cell liposarcoma
Canada (Foothills Medical Center) - Myxoid liposarcoma with areas of round cell liposarcoma
Hong Kong (Hong Kong Baptist Hospital) - Malignant granular cell tumor
Italy (Naples) - Round cell liposarcoma
Jamaica (The University of the West Indies) - Myxoid/round cell liposarcoma
Japan (Yamanashi Medical University) - Liposarcoma, round cell and myxoid (3); Lipoblastic (1)
Qatar (Hamad Medical Corporation) - Myxoid/round cell liposarcoma

Case 4 - Diagnosis:

Myxoid/round cell liposarcoma, thigh
 T-Y9100, M-88533

Case 4 - References:

Hashimoto H and Enjoji M. Liposarcoma. A Clinicopathologic Subtyping of 52 Cases. *Acta Pathol Jpn* 1982; 32(6):933-948.
 Meis-Kindblom JM, Sjogren H, Kindblom LG, et al. Cytogenetic and Molecular Genetic Analyses of Liposarcoma and Its Soft Tissue Simulators. Recognition of New Variants and Differential Diagnosis. *Virchows Arch* 2001; 439(2):141-151.
 Orvieto E, Furlanetto A, et al. Myxoid and round Cell Liposarcoma: A Spectrum of Myxoid Adipocytic Neoplasia. *Semin Diagn Pathol* 2001; 18(4):267-273.
 Jaeger V, Schneider-Stock R, Gerresheim F, et al. Myxoid Liposarcoma with Transition to Round-Cell Lesion-Cell Cycle Regulator Genes and Telomerase Activity Characterizing Tumor Progression. A Case Report. *Hum Pathol* 1999; 30(12):1515-1519.

Case No. 5, Accession No. 29585

October 2003

Alameda (Alameda County Medical Center) - Angiomyolipoma
Bakersfield - Angiomyolipoma
Baldwin Park (Kaiser Permanente) - Angiomyolipoma (3)

[Fontana \(Kaiser Permanente\)](#) - Angiomyolipoma
[Hayward/Fremont](#) - Angiomyolipoma
[Irvine \(UC Irvine Residents\)](#) - Angiomyolipoma
[Laguna Beach \(South Coast Medical Center\)](#) - Angiomyolipoma
[Long Beach](#) - Angiomyolipoma (9)
[Monterey \(Community Hospital of the Monterey Peninsula\)](#) - Angiomyolipoma
[Mountain View \(El Camino Pathology Group, Inc.\)](#) - Angiomyolipoma
[Oakland \(Kaiser Permanente\)](#) - Angiomyolipoma (4)
[Orange \(Orange County Pathology Medical Group\)](#) - Angiomyolipoma
[Sacramento \(UC Davis Medical Center\)](#) - Angiomyolipoma
[San Diego \(Naval Medical Center\)](#) - Angiomyolipoma
[San Francisco \(San Francisco General Hospital\)](#) - Angiomyolipoma
[Santa Rosa](#) - Angiomyolipoma (3)
[Ventura](#) - Angiomyolipoma
[Arizona \(Maryvale Medical Center\)](#) - Angiomyolipoma
[Florida \(Baptist Hospital\)](#) - Angiomyolipoma
[Florida \(Munroe Regional Medical Center\)](#) - Angiomyolipoma
[Florida \(Pathology Associates\)](#) - Angiomyolipoma
[Florida \(Winter Haven Hospital\)](#) - Angiomyolipoma
[Illinois \(Northwestern Memorial Hospital\)](#) - Angiomyolipoma
[Louisiana \(Louisiana State University Medical Center\)](#) - Angiomyolipoma
[Maryland \(National Cancer Institute\)](#) - Angiomyolipoma
[Maryland \(National Naval Medical Center\)](#) - Angiomyolipoma (15)
[Massachusetts \(Berkshire Medical Center\)](#) - Angiomyolipoma
[Massachusetts \(New England Medical Center Residents\)](#) - Angiomyolipoma
[Michigan \(Oakwood Hospital\)](#) - Angiomyolipoma
[Michigan \(St. Joseph Mercy Hospital\)](#) - Angiomyolipoma
[Minnesota \(Fairview Southdale Hospital\)](#) - Angiomyolipoma
[Mississippi \(University of Mississippi\)](#) - Angiomyolipoma
[New Jersey \(Overlook Hospital\)](#) - Angiomyolipoma
[New York \(Long Island Jewish Medical Center\)](#) - Angiomyolipoma
[New York \(Nassau University Medical Center\)](#) - Angiomyolipoma
[New York \(New York Presbyterian Hospital Residents\)](#) - Angiomyolipoma
[New York \(Stony Brook University Hospital Residents\)](#) - Angiomyolipoma
[Ohio \(Medical College of Ohio Residents\)](#) - Angiomyolipoma
[Oklahoma \(Tulsa\)](#) - Angiomyolipoma
[Oklahoma \(Veterans Affairs Medical Center\)](#) - Angiomyolipoma
[Pennsylvania \(Allegheny General Hospital\)](#) - Angiomyolipoma
[Pennsylvania \(Centre Community Hospital\)](#) - Angiomyolipoma
[Pennsylvania \(Lehigh Valley Hospital\)](#) - Angiomyolipoma (2)
[Pennsylvania \(Memorial Medical Center\)](#) - Angiomyolipoma
[Pennsylvania \(UPMC Health System\)](#) - Angiomyolipoma
[Pennsylvania \(York Laboratory Associates\)](#) - Angiomyolipoma (8)
[Puerto Rico \(University of Puerto Rico\)](#) - Angiomyolipoma
[Rhode Island \(RI Hospital Residents\)](#) - Renal angiomyolipoma
[Texas \(ProPath Associates\)](#) - Angiomyolipoma (2)
[Texas \(Scott & White Memorial Hospital\)](#) - Angiomyolipoma
[West Virginia \(Greenbrier Valley Medical Center\)](#) - Angiomyolipoma
[Wisconsin \(Meriter Hospital\)](#) - Angiomyolipoma
[Alaska \(Alaska Native Medical Center\)](#) - Angiomyolipoma
[Australia \(North Queensland Pathology\)](#) - Angiomyolipoma
[Australia \(Royal Prince Alfred Hospital\)](#) - Angiomyolipoma
[Canada \(Foothills Medical Center\)](#) - Angiomyolipoma

Hong Kong (Hong Kong Baptist Hospital) - Angiomyolipoma
Italy (Naples) - Angiomyolipoma
Jamaica (The University of the West Indies) - Angiolipoma
Japan (Yamanashi Medical University) - Angiomyolipoma (4)
Qatar (Hamad Medical Corporation) - Angiomyolipoma

Case 5 -- Diagnosis:

Angiomyolipoma, kidney
T-71000, M-88600

Case 5 – References:

Nelson CP and Sanda MG. Contemporary Diagnosis and Management of Renal Angiomyolipoma. *J Urol* 2002; 168(4 Pt1):1315-1325.
Yamakado K, Tanaka N, Nukagawa T, et al. Renal Angiomyolipoma. Relationships Between Tumor Size, Aneurysm Formation, and Rupture. *Radiol* 2002; 225(1):78-82.
Israel GM, Bosniak MA, et al. CT Differentiation of Large Exophytic Renal Angiomyolipomas and Perirenal Liposarcomas. *AJR AM J Roentgenol* 2002; 179(3):769-773.
Bernardini S, Chabannes E, Algros MP, et al. Variants of Renal Angiomyolipoma Closely Simulating Renal Cell Carcinoma. Difficulties in the Histological Diagnosis. *Urol Int* 2002; 69(1):78-81.
Makhlouf HR, Remotti HE and Ishak KG. Expression of KIT (CD117) in Angiomyolipoma. *Am J Surg Pathol* 2002; 26(4):493-497.
Zamecnik M, Majercik M and Gomoleak P. Renal Angiomyolipoma Resembling Gastrointestinal Stromal Tumor with Skenoid Fibers. *Ann Diagn Pathol* 1999; 3(2):88-91.

Case No. 6, Accession No. 29630

October 2003

Alameda (Alameda County Medical Center) - Adult mesoblastic nephroma
Bakersfield - Leiomyosarcoma
Baldwin Park (Kaiser Permanente) - Leiomyosarcoma, low grade (3)
Fontana (Kaiser Permanente) - Smooth muscle tumor, favor benign
Hayward/Fremont - Smooth muscle tumor of low malignant potential (LMP)
Irvine (UC Irvine Residents) - Leiomyoma
Laguna Beach (South Coast Medical Center) - Leiomyosarcoma
Long Beach - Leiomyosarcoma, low grade (9)
Monterey (Community Hospital of the Monterey Peninsula) - Leiomyosarcoma
Mountain View (El Camino Pathology Group, Inc.) - Leiomyosarcoma
Oakland (Kaiser Permanente) - Leiomyosarcoma (4)
Orange (Orange County Pathology Medical Group) - Leiomyoma
Sacramento (UC Davis Medical Center) - Leiomyoma
San Diego (Naval Medical Center) - Leiomyosarcoma
San Francisco (San Francisco General Hospital) - Symplastic leiomyoma
Santa Rosa - Leiomyosarcoma (3)
Ventura - Leiomyosarcoma
Arizona (Maryvale Medical Center) - Leiomyosarcoma, renal capsule
Florida (Baptist Hospital) - Leiomyosarcoma
Florida (Munroe Regional Medical Center) - Rhabdomyosarcoma
Florida (Pathology Associates) - Leiomyosarcoma
Florida (Winter Haven Hospital) - Leiomyosarcoma
Illinois (Northwestern Memorial Hospital) - Leiomyoma
Louisiana (Louisiana State University Medical Center) - Leiomyoma
Maryland (National Cancer Institute) - Leiomyosarcoma
Maryland (National Naval Medical Center) - Leiomyosarcoma (15)
Massachusetts (Berkshire Medical Center) - Leiomyosarcoma
Massachusetts (New England Medical Center Residents) - Leiomyoma

Michigan (Oakwood Hospital) - Leiomyosarcoma, low grade
Michigan (St. Joseph Mercy Hospital) - Leiomyosarcoma (1); Mesoblastic nephroma (1)
Minnesota (Fairview Southdale Hospital) - Leiomyosarcoma
Mississippi (University of Mississippi) - Leiomyoma
New Jersey (Overlook Hospital) - Leiomyosarcoma, well-differentiated
New York (Long Island Jewish Medical Center) - Leiomyosarcoma
New York (Nassau University Medical Center) - Leiomyoma
New York (New York Presbyterian Hospital Residents) - Leiomyoma
New York (Stony Brook University Hospital Residents) - Leiomyoma
Ohio (Medical College of Ohio Residents) - Leiomyosarcoma
Oklahoma (Tulsa) - Leiomyoma
Oklahoma (Veterans Affairs Medical Center) - Leiomyosarcoma of kidney
Pennsylvania (Allegheny General Hospital) - Leiomyosarcoma
Pennsylvania (Centre Community Hospital) - Leiomyoma
Pennsylvania (Lehigh Valley Hospital) - Leiomyoma (2)
Pennsylvania (Memorial Medical Center) - Leiomyosarcoma
Pennsylvania (UPMC Health System) - Predominantly leiomyoma, still can be angiomyolipoma
Pennsylvania (York Laboratory Associates) - Leiomyoma (8)
Puerto Rico (University of Puerto Rico) - Leiomyosarcoma
Rhode Island (RI Hospital Residents) - Leiomyosarcoma
Texas (ProPath Associates) - Leiomyoma (2)
Texas (Scott & White Memorial Hospital) - Leiomyosarcoma
West Virginia (Greenbrier Valley Medical Center) - Sarcomatoid renal cell carcinoma
Wisconsin (Meriter Hospital) - Cellular leiomyoma
Alaska (Alaska Native Medical Center) - Leiomyoma (renal capsular)
Australia (North Queensland Pathology) - Leiomyosarcoma
Australia (Royal Prince Alfred Hospital) - Angiomyolipoma
Canada (Foothills Medical Center) - Leiomyosarcoma
Hong Kong (Hong Kong Baptist Hospital) - Leiomyosarcoma
Italy (Naples) - Leiomyoma, rule out sarcoma
Jamaica (The University of the West Indies) - Leiomyosarcoma
Japan (Yamanashi Medical University) - Smooth muscular tumor, UMP (1); Leiomyosarcoma (1); Angiomyolipoma (1); Liposarcoma (1)
Qatar (Hamad Medical Corporation) - Renal leiomyoma

Case 6 - Diagnosis:

Low grade smooth muscle neoplasm of undetermined malignant potential, kidney
 T-71000, M-88913

Case 6 - References:

Moudouni SM, En-Nia I, Rioux-Leclercq N, et al. Leiomyosarcoma of the Renal Pelvis. *Scand J Urol Nephrol* 2001; 35(5):425-427.
 Gill IS, Hobart MG, Kaouk JH, et al. Leiomyosarcoma of the Main Renal Artery Treated by Laparoscopic Radical Nephrectomy. *Urol* 2000; 56(4):669.
 Hiratuka Y, Ikeda H, Sugaya Y, et al. A Case of Leiomyosarcoma of the Renal Vein. *Nippon Hinyokika Gakkai Zasshi* 2001; 92(1):38-41.
 Bonsib SM. HMB-45 Reactivity in Renal Leiomyomas and Leiomyosarcomas. *Mod Pathol* 1996; 9(6):664-669.

Case No. 7, Accession No. 29086

October 2003

Alameda (Alameda County Medical Center) - Dermatofibrosarcoma protuberans
Bakersfield - Dermatofibrosarcoma protuberans
Baldwin Park (Kaiser Permanente) - Dermatofibrosarcoma protuberans (3)
Fontana (Kaiser Permanente) - Dermatofibrosarcoma protuberans

[Hayward/Fremont](#) - Dermatofibrosarcoma protuberans
[Irvine \(UC Irvine Residents\)](#) - Dermatofibrosarcoma protuberans
[Laguna Beach \(South Coast Medical Center\)](#) - Dermatofibrosarcoma protuberans
[Long Beach](#) - Dermatofibrosarcoma protuberance (9)
[Monterey \(Community Hospital of the Monterey Peninsula\)](#) - Dermatofibrosarcoma protuberans
[Mountain View \(El Camino Pathology Group, Inc.\)](#) - Dermatofibrosarcoma protuberans
[Oakland \(Kaiser Permanente\)](#) - Dermatofibrosarcoma protuberans (4)
[Orange \(Orange County Pathology Medical Group\)](#) - Dermatofibrosarcoma protuberans
[Sacramento \(UC Davis Medical Center\)](#) - Fibromatosis
[San Diego \(Naval Medical Center\)](#) - Dermatofibrosarcoma protuberans
[San Francisco \(San Francisco General Hospital\)](#) - Dermatofibrosarcoma protuberans
[Santa Rosa](#) - Dermatofibrosarcoma protuberans (3)
[Ventura](#) - Dermatofibrosarcoma protuberans
[Arizona \(Maryvale Medical Center\)](#) - Dermatofibrosarcoma protuberans
[Florida \(Baptist Hospital\)](#) - Dermatofibrosarcoma protuberans
[Florida \(Munroe Regional Medical Center\)](#) - Dermatofibrosarcoma protuberans
[Florida \(Pathology Associates\)](#) - Dermatofibrosarcoma protuberans
[Florida \(Winter Haven Hospital\)](#) - Dermatofibrosarcoma protuberans
[Illinois \(Northwestern Memorial Hospital\)](#) - Dermatofibrosarcoma protuberans
[Louisiana \(Louisiana State University Medical Center\)](#) - Dermatofibrosarcoma protuberans
[Maryland \(National Cancer Institute\)](#) - Dermatofibrosarcoma protuberans
[Maryland \(National Naval Medical Center\)](#) - Fibrosarcoma arising in dermatofibrosarcoma protuberans (15)
[Massachusetts \(Berkshire Medical Center\)](#) - Dermatofibrosarcoma protuberans
[Massachusetts \(New England Medical Center Residents\)](#) - Dermatofibrosarcoma protuberans
[Michigan \(Oakwood Hospital\)](#) - Dermatofibrosarcoma protuberans
[Michigan \(St. Joseph Mercy Hospital\)](#) - Dermatofibrosarcoma
[Minnesota \(Fairview Southdale Hospital\)](#) - Dermatofibrosarcoma protuberans
[Mississippi \(University of Mississippi\)](#) - Dermatofibrosarcoma protuberans (DFSP) with myxoid change
[New Jersey \(Overlook Hospital\)](#) - Dermatofibrosarcoma
[New York \(Long Island Jewish Medical Center\)](#) - Dermatofibrosarcoma protuberans
[New York \(Nassau University Medical Center\)](#) - Dermatofibrosarcoma protuberans
[New York \(New York Presbyterian Hospital Residents\)](#) - Dermatofibrosarcoma protuberans
[New York \(Stony Brook University Hospital Residents\)](#) - Dermatofibrosarcoma protuberans
[Ohio \(Medical College of Ohio Residents\)](#) - Dermatofibrosarcoma protuberans
[Oklahoma \(Tulsa\)](#) - Dermatofibrosarcoma protuberans
[Oklahoma \(Veterans Affairs Medical Center\)](#) - Dermatofibrosarcoma protuberans
[Pennsylvania \(Allegheny General Hospital\)](#) - Dermatofibrosarcoma protuberans
[Pennsylvania \(Centre Community Hospital\)](#) - Extra-abdominal fibromatosis
[Pennsylvania \(Lehigh Valley Hospital\)](#) - Dermatofibrosarcoma protuberans (2)
[Pennsylvania \(Memorial Medical Center\)](#) - Dermatofibrosarcoma protuberans
[Pennsylvania \(UPMC Health System\)](#) - Fibrous histiocytoma
[Pennsylvania \(York Laboratory Associates\)](#) - Dermatofibrosarcoma protuberans (8)
[Puerto Rico \(University of Puerto Rico\)](#) - Dermatofibrosarcoma protuberans
[Rhode Island \(RI Hospital Residents\)](#) - Dermatofibrosarcoma protuberans
[Texas \(Propath Associates\)](#) - Dermatofibrosarcoma protuberans (2)
[Texas \(Scott & White Memorial Hospital\)](#) - Desmoid
[West Virginia \(Greenbrier Valley Medical Center\)](#) - Dermatofibrosarcoma protuberans
[Wisconsin \(Meriter Hospital\)](#) - Dermatofibrosarcoma protuberans , focally dedifferentiated
[Alaska \(Alaska Native Medical Center\)](#) - Dermatofibrosarcoma, protuberans
[Australia \(North Queensland Pathology\)](#) - Dermatofibrosarcoma protuberans
[Australia \(Royal Prince Alfred Hospital\)](#) - Dermatofibrosarcoma protuberans
[Canada \(Foothills Medical Center\)](#) - Sarcoma arising in dermatofibrosarcoma protuberans
[Hong Kong \(Hong Kong Baptist Hospital\)](#) - Dermatofibrosarcoma protuberans

Italy (Naples) - Dermatofibrosarcoma protuberans
Jamaica (The University of the West Indies) - Dermatofibrosarcoma protuberans
Japan (Yamanashi Medical University) - Dermatofibrosarcoma protuberance (3); Fibrous histiocytoma (1)
Qatar (Hamad Medical Corporation) - Dermatofibrosarcoma protuberans

Case 7 - Diagnosis:

Dermatofibrosarcoma protuberans (DFSP), chest wall
T-Y2100, M-88323

Case 7 - References:

Sato N, Kimura K and Tomita Y. Recurrent Dermatofibrosarcoma Protuberans with Myxoid and Fibrosarcomatous Changes Paralleled by Loss of CD34 Expression. *J Dermatol* 1995; 22(9):665-672.
Goldblum JR, Reith JD and Weiss SW. Sarcomas Arising in Dermatofibrosarcoma Protuberans. A Reappraisal of Biologic Behavior in Eighteen Cases Treated by Wide Local Excision with Extended Clinical Follow Up. *Am J Surg Pathol* 2000; 24(8):1125-1130.
Sawyers CL. Imatinib GIST Keeps Finding New Indications. Successful Treatment of Dermatofibrosarcoma Protuberans by Targeted Inhibition of the Platelet-Derived Growth Factor Receptor. *J Clin Oncol* 2002; 20(17):3568-3569.
Nishio J, Iwasaki H, Ohijimi Y, et al. Overrepresentation of 17q22-qter and 22q13 in Dermatofibrosarcoma Protuberans But Not In Dermatofibroma. A Comparative Genomic Hybridization Study. *Cancer Genet Cytogenet* 2002; 132(2):102-108.
Lal P, Sharma R, Mohan H, et al. Dermatofibrosarcoma Protuberans Metastasizing to Lymph Nodes. A Case Report and Review of Literature. *J Surg Oncol* 1999; 72(3): 178-180.

Case No. 8, Accession No. 29656

October 2003

Alameda (Alameda County Medical Center) - Myxoid malignant fibrous histiocytoma
Bakersfield - Myxoid malignant fibrous histiocytoma
Baldwin Park (Kaiser Permanente) - Malignant fibrous histiocytoma (3)
Fontana (Kaiser Permanente) - Malignant fibrous histiocytoma
Hayward/Fremont - Dedifferentiated liposarcoma (MFH pattern and stains)
Irvine (UC Irvine Residents) - Myxoid malignant fibrous histiocytoma
Laguna Beach (South Coast Medical Center) - Malignant fibrous histiocytoma
Long Beach - Myxoid malignant fibrous histiocytoma (myxofibrosarcoma) (9)
Monterey (Community Hospital of the Monterey Peninsula) - Sarcoma/malignant fibrous histiocytoma
Mountain View (El Camino Pathology Group, Inc.) - Malignant fibrous histiocytoma, pleomorphic, storiform type
Oakland (Kaiser Permanente) - Pleomorphic high grade sarcoma consistent with malignant fibrous histiocytoma (4)
Orange (Orange County Pathology Medical Group) - Myxofibrosarcoma
Sacramento (UC Davis Medical Center) - Malignant fibrous histiocytoma
San Diego (Naval Medical Center) - Malignant fibrous histiocytoma, pleomorphic storiform
San Francisco (San Francisco General Hospital) - Sarcoma, liposarcoma vs. malignant fibrous histiocytoma
Santa Rosa - Myxoid malignant fibrous histiocytoma (1); Malignant fibrous histiocytoma (1)
Ventura - Myxofibrosarcoma
Arizona (Maryvale Medical Center) - Dedifferentiated liposarcoma
Florida (Baptist Hospital) - Malignant neurofibroma
Florida (Munroe Regional Medical Center) - Malignant fibrous histiocytoma
Florida (Pathology Associates) - Malignant fibrous histiocytoma
Florida (Winter Haven Hospital) - Malignant fibrous histiocytoma
Illinois (Northwestern Memorial Hospital) - Myxoid malignant fibrous histiocytoma
Louisiana (Louisiana State University Medical Center) - Liposarcoma, predominantly spindle with pleomorphic foci
Maryland (National Cancer Institute) - Myxoid malignant fibrous histiocytoma
Maryland (National Naval Medical Center) - Malignant fibrous histiocytoma, pleomorphic (15)
Massachusetts (Berkshire Medical Center) - High grade liposarcoma
Massachusetts (New England Medical Center Residents) - Myxoid malignant fibrous histiocytoma
Michigan (Oakwood Hospital) - Myxofibrosarcoma, intermediate grade
Michigan (St. Joseph Mercy Hospital) - Malignant fibrous histiocytoma

[Minnesota \(Fairview Southdale Hospital\)](#) - Malignant fibrous histiocytoma, pleomorphic
[Mississippi \(University of Mississippi\)](#) - Myxoid malignant fibrous histiocytoma (MFH)
[New Jersey \(Overlook Hospital\)](#) - Malignant fibrous histiocytoma
[New York \(Long Island Jewish Medical Center\)](#) - Malignant fibrous histiocytoma
[New York \(Nassau University Medical Center\)](#) - Myxoid malignant fibrous histiocytoma
[New York \(New York Presbyterian Hospital Residents\)](#) - Pleomorphic sarcoma, NOS
[New York \(Stony Brook University Hospital Residents\)](#) - Myxoid malignant fibrous histiocytoma/high grade sarcoma
[Ohio \(Medical College of Ohio Residents\)](#) - Myxoid malignant fibrous histiocytoma
[Oklahoma \(Tulsa\)](#) - Malignant fibrous histiocytoma
[Oklahoma \(Veterans Affairs Medical Center\)](#) - Malignant fibrous histiocytoma
[Pennsylvania \(Allegheny General Hospital\)](#) - Malignant fibrous histiocytoma, myxoid
[Pennsylvania \(Centre Community Hospital\)](#) - Myxoid malignant fibrous histiocytoma (MFH)
[Pennsylvania \(Lehigh Valley Hospital\)](#) - Malignant fibrous histiocytoma (2)
[Pennsylvania \(Memorial Medical Center\)](#) - Malignant fibrous histiocytoma
[Pennsylvania \(UPMC Health System\)](#) - Malignant fibrous histiocytoma
[Pennsylvania \(York Laboratory Associates\)](#) - Malignant astrocytoma (1); Malignant fibrous histiocytoma (7)
[Puerto Rico \(University of Puerto Rico\)](#) - Malignant fibrous histiocytoma
[Rhode Island \(RI Hospital Residents\)](#) - Malignant fibrous histiocytoma, storiform-pleomorphic type
[Texas \(Propath Associates\)](#) - Malignant fibrous histiocytoma (2)
[Texas \(Scott & White Memorial Hospital\)](#) - Malignant fibrous histiocytoma (high grade pleomorphic sarcoma)
[West Virginia \(Greenbrier Valley Medical Center\)](#) - Malignant fibrohistiocytic tumor
[Wisconsin \(Meriter Hospital\)](#) - Malignant fibrous histiocytoma
[Alaska \(Alaska Native Medical Center\)](#) - Malignant fibrous histiocytoma (storiform pleomorphic and myxoid)
[Australia \(North Queensland Pathology\)](#) - Malignant fibrous histiocytoma, Diff Dx: pleomorphic liposarcoma
[Australia \(Royal Prince Alfred Hospital\)](#) - Malignant fibrohistiocytoma, probably dedifferentiated liposarcoma
[Canada \(Foothills Medical Center\)](#) - Myxoid malignant fibrous histiocytoma
[Hong Kong \(Hong Kong Baptist Hospital\)](#) - Myxoid malignant fibrous histiocytoma
[Italy \(Naples\)](#) - Pleomorphic-storiform malignant fibrous histiocytoma
[Jamaica \(The University of the West Indies\)](#) - No answer
[Japan \(Yamanashi Medical University\)](#) - Dedifferentiated liposarcoma (2); Malignant fibrous histiocytoma (2)
[Qatar \(Hamad Medical Corporation\)](#) - Pleomorphic malignant fibrous histiocytoma

Case 8 - Diagnosis:

Pleomorphic sarcoma with phenotype of MFH, retroperitoneum
 T-Y4600, M-88303

Case 8 – References:

Shinozaki T, Kato K, Watanabe H, et al. Discriminant Analysis of Prognostic Factors for Malignant Fibrous Histiocytoma in Soft Tissue. *J Orthop Sci* 2001; 6(4):339-342.
 Fanburg-Smith JC, Spiro IJ, Katapuram SV, Mankin HJ, et al. Infiltrative Subcutaneous Malignant Fibrous Histiocytoma. A Comparative Study with Deep Malignant Fibrous Histiocytoma and an Observation of Biologic Behavior. *Ann Diagn Pathol* 1999; 3(1):1-10.
 Fletcher CD, Gustafson P, Rydholm A, et al. Clinicopathologic Re-Evaluation of 100 Malignant Fibrous Histiocytomas: Prognostic Relevance of Subclassification. *J Clin Oncol* 2001; 19(12):3045-3050.
 Belal A, Kandil A, Allam A, et al. Malignant Fibrous Histiocytoma. A Retrospective Study of 109 Cases. *Am J Clin Oncol* 2002; 25(1):16-22.

Case No. 9, Accession No. 29696

October 2003

[Alameda \(Alameda County Medical Center\)](#) - Giant cell tumor
[Bakersfield](#) - Hibernoma
[Baldwin Park \(Kaiser Permanente\)](#) - Synovial sarcoma (3)
[Fontana \(Kaiser Permanente\)](#) - Extra-articular diffuse tenosynovial giant cell tumor

[Hayward/Fremont](#) - Liposarcoma, round cell type
[Irvine \(UC Irvine Residents\)](#) - Granulocytic sarcoma
[Laguna Beach \(South Coast Medical Center\)](#) - Synovial sarcoma vs. PECOM vs. HPC
[Long Beach](#) - Synovial sarcoma (9)
[Monterey \(Community Hospital of the Monterey Peninsula\)](#) - Histiocytic lymphoma
[Mountain View \(El Camino Pathology Group, Inc.\)](#) - Giant cell tumor of tendon sheath, diffuse type
[Oakland \(Kaiser Permanente\)](#) - Rosai-Dorfman disease (4)
[Orange \(Orange County Pathology Medical Group\)](#) - Histiocytic proliferation, ? benign
[Sacramento \(UC Davis Medical Center\)](#) - Granulocytic sarcoma
[San Diego \(Naval Medical Center\)](#) - Nodular tenosynovitis, xanthogranuloma, extranodal Rosai-Dorfman, deep fibrous histiocytoma
[San Francisco \(San Francisco General Hospital\)](#) - Xanthosarcoma
[Santa Rosa](#) - Xanthoma (1); Epithelioid synovial sarcoma (2)
[Ventura](#) - Synovial sarcoma
[Arizona \(Maryvale Medical Center\)](#) - Malignant glomus tumor
[Florida \(Baptist Hospital\)](#) - Atypical xanthogranuloma
[Florida \(Munroe Regional Medical Center\)](#) - Xanthoma
[Florida \(Pathology Associates\)](#) - Synovial sarcoma, hemangioendothelioma
[Florida \(Winter Haven Hospital\)](#) - Rosai-Dorfman disease
[Illinois \(Northwestern Memorial Hospital\)](#) - Soft tissue Rosai-Dorfman disease
[Louisiana \(Louisiana State University Medical Center\)](#) - Tenosynovial giant cell tumor, diffuse type
[Maryland \(National Cancer Institute\)](#) - Giant cell tumor of tendon sheath
[Maryland \(National Naval Medical Center\)](#) - Rosai-Dorfman disease, extranodal (11); Giant cell tumor, diffuse type (4)
[Massachusetts \(Berkshire Medical Center\)](#) - Synovial sarcoma
[Massachusetts \(New England Medical Center Residents\)](#) - Extra-articular villonodular synovitis
[Michigan \(Oakwood Hospital\)](#) - Sinus histiocytoma consistent with massive lymphadenopathy
[Michigan \(St. Joseph Mercy Hospital\)](#) - Rosai-Dorfman disease (1); Eosinophilic granuloma (2)
[Minnesota \(Fairview Southdale Hospital\)](#) - Sarcoma/? synovial sarcoma
[Mississippi \(University of Mississippi\)](#) - Diffuse giant cell tumor
[New Jersey \(Overlook Hospital\)](#) - Proliferating synovitis, diffuse type
[New York \(Long Island Jewish Medical Center\)](#) - Rosai-Dorfman disease
[New York \(Nassau University Medical Center\)](#) - Fibrous histiocytoma
[New York \(New York Presbyterian Hospital Residents\)](#) - Diffuse tenosynovial giant cell tumor
[New York \(Stony Brook University Hospital Residents\)](#) - Angiomatoid malignant fibrous histiocytoma
[Ohio \(Medical College of Ohio Residents\)](#) - Extranodal Rosai-Dorfman disease
[Oklahoma \(Tulsa\)](#) - Tenosynovial giant cell tumor
[Oklahoma \(Veterans Affairs Medical Center\)](#) - Extranodal Rosai-Dorfman disease
[Pennsylvania \(Allegheny General Hospital\)](#) - Rosai-Dorfman
[Pennsylvania \(Centre Community Hospital\)](#) - Malakoplakia
[Pennsylvania \(Lehigh Valley Hospital\)](#) - Histiocytosis (2)
[Pennsylvania \(Memorial Medical Center\)](#) - Alveolar rhabdomyosarcoma/pleomorphic liposarcoma
[Pennsylvania \(UPMC Health System\)](#) - Localized tenosynovial giant cell tumor
[Pennsylvania \(York Laboratory Associates\)](#) - Diffuse tenosynovial giant cell tumor (8)
[Puerto Rico \(University of Puerto Rico\)](#) - Extranodal Rosai-Dorfman disease
[Rhode Island \(RI Hospital Residents\)](#) - Tenosynovial giant cell tumor, diffuse type (soft tissue pigmented villonodular synovitis)
[Texas \(ProPath Associates\)](#) - Epithelioid, hemangioma (2)
[Texas \(Scott & White Memorial Hospital\)](#) - Rosai-Dorfman disease
[West Virginia \(Greenbrier Valley Medical Center\)](#) - Myxoid liposarcoma
[Wisconsin \(Meriter Hospital\)](#) - Hibernoma
[Alaska \(Alaska Native Medical Center\)](#) - Diffuse giant cell tumor of tendon sheath
[Australia \(North Queensland Pathology\)](#) - Rosai-Dorfman disease, Diff Dx: Xanthogranulomatous pseudotumour
[Australia \(Royal Prince Alfred Hospital\)](#) - Diffuse type giant cell tumour (pigmented villonodular synovitis)
[Canada \(Foothills Medical Center\)](#) - Extranodal Rosai-Dorfman disease

Hong Kong (Hong Kong Baptist Hospital) - Embryonal rhabdomyosarcoma
Italy (Naples) - Extranodal Rosai-Dorfman disease
Jamaica (The University of the West Indies) - Tenosynovial giant cell tumour, diffuse type
Japan (Yamanashi Medical University) - Diffuse tenosynovitis (2); Liposarcoma (1)
Qatar (Hamad Medical Corporation) - Villonodular tenosynovitis

Case 9 - Diagnosis:

Diffuse tenosynovial giant cell tumor, left thigh
T-Y9100, M-47830

Case 9 – References:

Martin RC 2nd, Osborne DL, Edwards MJ, et al. Giant Cell Tumor of Tendon Sheath, Tenosynovial Giant Cell Tumor, and Pigmented Villonodular Synovitis. Defining the Presentation, Surgical Therapy and Recurrence. *Oncol Rep* 2000; 7(2):413-419.
Somerhausen NS and Fletcher CD. Diffuse-Type Giant Cell Tumor. Clinicopathologic and Immunohistochemical Analysis of 50 Cases with Extraarticular Disease. *Am J Surg Pathol* 2000; 24(4):479-492.
Lee FY, Gebhardt MC, Keel SB, et al. A Discrete Soft Tissue Mass in the Distal Thigh of a 29-Year-Old Man. *Clin Orthop* 1998; 357: 247-250, 255-256.
Bertoni F, Unni KK, Beabout JW, et al. Malignant Giant Cell Tumor of the Tendon Sheaths and Joints (Malignant Pigmented Villonodular Synovitis). *Am J Surg Pathol* 1997; 21(2):153-163.
Choong PF, Willen H, Nilbert M, et al. Pigmented Villonodular Synovitis. Monoclonality and Metastasis-A Case for Neoplastic Origin? *Acta Orthop Scand* 1995; 66(1):64-68.

Case No. 10, Accession No. 29343

October 2003

Alameda (Alameda County Medical Center) - Splenic hamartoma
Bakersfield - Hemangioma
Baldwin Park (Kaiser Permanente) - Congested spleen (2); Angioma (1)
Fontana (Kaiser Permanente) - Extra-medullary hematopoiesis
Hayward/Fremont - Splenic hamartoma
Irvine (UC Irvine Residents) - Hairy cell leukemia
Laguna Beach (South Coast Medical Center) - Lymphoma
Long Beach - Littoral cell angioma (6); Splenic hamartoma (3)
Monterey (Community Hospital of the Monterey Peninsula) - Vascular neoplasm (hamartoma) vs. extra-medullary hematopoiesis
Mountain View (El Camino Pathology Group, Inc.) - Hamartoma
Oakland (Kaiser Permanente) - Littoral cell angioma (4)
Orange (Orange County Pathology Medical Group) - Splenic hamartoma
Sacramento (UC Davis Medical Center) - Accessory spleen
San Diego (Naval Medical Center) - Splenic hamartoma
San Francisco (San Francisco General Hospital) - Splenic hamartoma
Santa Rosa - Littoral cell angioma
Ventura - Splenic hamartoma
Arizona (Maryvale Medical Center) - Littoral cell angioma, spleen
Florida (Baptist Hospital) - Angiosarcoma
Florida (Munroe Regional Medical Center) - Pseudocyst
Florida (Pathology Associates) - Hemangioma
Florida (Winter Haven Hospital) - Myeloid metaplasia
Illinois (Northwestern Memorial Hospital) - Splenic marginal zone lymphoma
Louisiana (Louisiana State University Medical Center) - No significant pathologic change, spleen
Maryland (National Cancer Institute) - Extramedullary hematopoiesis
Maryland (National Naval Medical Center) - Littoral cell angioma (10); Hemangioma (3); Hamartoma (2)
Massachusetts (Berkshire Medical Center) - Littoral cell angioma
Massachusetts (New England Medical Center Residents) - Benign vascular lesion
Michigan (Oakwood Hospital) - Littoral cell angioma

Michigan (St. Joseph Mercy Hospital) - Littoral cell angioma
Minnesota (Fairview Southdale Hospital) - ? hemangioma
Mississippi (University of Mississippi) - Littoral cell angioma
New Jersey (Overlook Hospital) - Splenic hamartoma
New York (Long Island Jewish Medical Center) - Littoral cell angioma
New York (Nassau University Medical Center) - Extra-medullary hematopoietic tumor
New York (New York Presbyterian Hospital Residents) - Hamartoma
New York (Stony Brook University Hospital Residents) - Littoral cell angioma
Ohio (Medical College of Ohio Residents) - Littoral cell hemangioma
Oklahoma (Tulsa) - Splenic tissue, no lesion seen
Oklahoma (Veterans Affairs Medical Center) - Littoral cell angioma
Pennsylvania (Allegheny General Hospital) - Littoral cell angioma
Pennsylvania (Centre Community Hospital) - Littoral cell angioma
Pennsylvania (Lehigh Valley Hospital) - Cattleman's disease (1); Hemangioma (1)
Pennsylvania (Memorial Medical Center) - No answer
Pennsylvania (UPMC Health System) - Littoral cell angioma
Pennsylvania (York Laboratory Associates) - Accessory spleen, rule out very subtle splenic marginal zone lymphoma (8)
Puerto Rico (University of Puerto Rico) - No answer
Rhode Island (RI Hospital Residents) - Littoral cell angioma
Texas (ProPath Associates) - Myeloid metaplasia (2)
Texas (Scott & White Memorial Hospital) - Splenic hamartoma
West Virginia (Greenbrier Valley Medical Center) - Littoral cell angioma
Wisconsin (Meriter Hospital) - Splenic hamartoma
Alaska (Alaska Native Medical Center) - Splenic hamartoma
Australia (North Queensland Pathology) - Splenic hamartoma
Australia (Royal Prince Alfred Hospital) - ? splenic hamartoma-marginal zone splenic lymphoma
Canada (Foothills Medical Center) - Hamartoma
Hong Kong (Hong Kong Baptist Hospital) - Hemangioma
Italy (Naples) - Angiosarcoma
Jamaica (The University of the West Indies) - Accessory spleen
Japan (Yamanashi Medical University) - Splenic hamartoma (1); Hemangioma (2)
Qatar (Hamad Medical Corporation) - Hemangioma

Case 10 - Diagnosis:

Littoral cell angioma, spleen
 T-07000, M-91200

Directors note: Due to paraffin block exhaustion, some slides may not be diagnostic of this lesion. We will send a representative slide of a different splenic hemangioma with the next case, and label it October 2003 "A", Case 10b.

Case 10 - References:

Wilcox TM, Speer RW, Schlinkert RT, et al. Hemangioma of the Spleen. Presentation, Diagnosis, and Management. *J Gastrointest Surg* 2000; 4(6):611-613.
 Arber DA, Strickler JG, Chen YY, et al. Splenic Vascular Tumors. A Histologic, Immunophenotypic, and Virologic Study. *Am J Surg Pathol* 1997; 21(7):827-835.
 Castriota-Scanderbeg A, Mingarelli R, et al. Splenic Hemangioma in Turner Syndrome. A Case Report. *Pediatr Radiol* 1997; 27(11):894.
 Herman TE, McAlister PW, Dehner LP, et al. Beckwith-Wiedemann Syndrome and Splenic Hemangioma. Report of a Case. *Pediatr Radiol* 1997; 27(4):350-352.
 O'Malley ME, Wood BJ, Boland GW, et al. Percutaneous Imaging-Guided Biopsy of the Spleen. *AJR Am J Roentgenol* 1999; 172(3):661-665.
 Ramani M, Reinhold C, Semelka RC, Siegelman ES, et al. Splenic Hemangiomas and Hamartomas. MR Imaging Characteristics of 28 Lesions. *Radiol* 1997; 202(1):166-172.