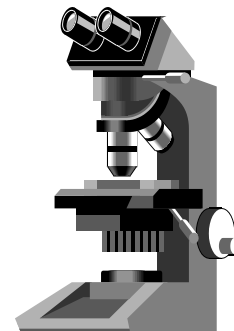


CALIFORNIA
TUMOR TISSUE REGISTRY

SOFT TISSUE PATHOLOGY

Minutes – Subscription A

April 2009



SUGGESTED READING (General Topics from Recent Literature):

- CDX2 and Villin Are Useful Markers of Intestinal Metaplasia in the Diagnosis of Barrett Esophagus. Shi XY, Bhagwadeen B, et al. *Am J Clin Pathol* 2008 129:571-577.
- Histologic Associations and Long-Term Cancer Risk in Columnar Cell Lesions of the Breast. A Retrospective Cohort and a Nested Case-Control Study. Boulos FI, Dupont WD, et al. *Cancer* 2008; 113:2415-2421.
- Salivary Duct Carcinoma In-Situ of the Parotid Gland. Simpson RHW, Desai S and Di Palma S. *Histopathol* 2008; 53:416-425.
- Pleuro-Pulmonary Solitary Fibrous Tumors. A Clinicopathologic, Immunohistochemical and Molecular Study of 88 Cases Confirming the Prognostic Value of de Perrot Staging System and p53 Expression, and Evaluating the Role of c-kit, BRAF, PDGFRs, c-met, and EGFR. Schirosi L, Lantuejoul S, et al. *Am J Surg Pathol* 2008; 32:1627-1642.
- CD10 Immunostaining Distinguishes Atypical Polypoid Adenomyofibroma (Atypical Polypoid Adenomyoma) From Endometrial Carcinoma Invading the Myometrium. Ohishi Y, Kaku T, et al. *Hum Pathol* 2008; 39(10);1446-1453.

California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
11021 Campus Avenue, AH 335
Loma Linda, California 92350
(909) 558-4788
FAX: (909) 558-0188
E-mail: cttr@linkline.com
Web site & Case of the Month: www.cttr.org

FILE DIAGNOSES

CTTR Subscription A

April 2009

Case 1:

Cardiac (“atrial”) myxoma
T-32100, M-88400

Case 2:

Aggressive angiomyxoma, region of right labium
T-52300, M-88400

Case 3:

Sarcoma, possibly variant of ossifying fibromyxoid tumor, lower back
T-Y1100, M-88110

Case 4:

Elastofibroma, back
T-Y1100, M-88200

Case 5:

Fibromatosis (“desmoid tumor”), arm
T-Y8000, M-76100

Case 6:

Fibrosarcoma (adult type), leg
T-94000, M-90403

Case 7:

Dermatofibrosarcoma protuberans (DFSP), multiply recurrent, ankle
T-Y9500, M-88321

Case 8:

Myxofibrosarcoma (“myxoid MFH”), forearm
T-Y8500, M-88303

Case 9:

Angiomyolipoma, kidney
T-71000, M-88600

Case 10:

Well-differentiated liposarcoma/atypical lipomatous neoplasm, epididymis
T-79110, M-88500

Alameda (Alameda County Medical Center) - Atrial myxoma
Fontana (Kaiser Foundation Hospital) - Myxoma
Hayward (St. Rose Hospital) - Myxoma
Long Beach (Long Beach VA Medical Center) - Atrial myxoma (2)
Oakland - Myxoma
Oakland (Kaiser Permanente) - Atrial myxoma
Oxnard (St. John's Regional Medical Center) - Myxoma
Pleasant Hill - Myxoma
San Diego (Naval Medical Center) - Cardiac myxoma
Santa Barbara - Atrial myxoma
Woodland Hills (Kaiser Foundation Hospital) - Atrial myxoma
Colorado, Fort Collins - Mucinosi
Florida (Global Pathology Laboratory Services) - Cardiac Myxoma
Florida (Naples Pathology Associates) - Atrial myxoma
Florida (Space Coast Pathologists) - Atrial myxoma
Georgia, Decatur - Atrial myxoma
Illinois, Burr Ridge - Myxoma
Illinois, Chicago - Atrial myxoma
Illinois (Heartland Regional Medical Center) - Cardiac myxoma
Illinois (MacNeal Hospital) - Myxoma, left atrium
Indiana (South Bend Medical Foundation) - Cardiac myxoma
Kansas (Cytocheck Laboratory) - Myxoma
Massachusetts (Tufts Medical Center) - Cardiac myxoma
Michigan (Oakwood Hospital) - Cardiac myxoma
Minnesota (Fairview Ridges Hospital) - Atrial myxoma
Missouri (Missouri Delta Medical Center) - Cardiac myxoma
Nebraska (Creighton University Medical Center) - Myxoma
New Mexico, Albuquerque - Atrial myxoma
New Mexico (University of New Mexico Residents) - Atrial myxoma
New York (Albany Medical Center) - Myxoma
New York (Long Island Jewish Medical Center) - Cardiac myxoma
New York (Stony Brook University Medical Center) - Cardiac myxoma
New York (SUNY Downstate Medical Center) - Myxoma
New York (Westchester Medical Center) - Atrial myxoma
North Carolina (North Carolina Baptist Hospital) - Cardiac myxoma
Oklahoma, Tulsa - Myxoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Atrium myxoma
Pennsylvania (Drexel University College of Medicine Residents) - Myxoma
Pennsylvania (Lehigh Valley Hospital) - Atrial myxoma
Pennsylvania (Magee Women's Hospital) - Myxoma
Puerto Rico (University of Puerto Rico) - Cardiac myxoma
Texas, Crystal Beach - Cardiac myxoma
Texas, Houston - Atrial myxoma
Texas, Lubbock - Myxoma
Texas (Scott & White Hospital) - Atrial myxoma
Washington (Seattle VA Medical Center) - Myxoma
West Virginia (Greenbrier Valley Medical Center) - Cardiac myxoma
Australia (Royal Hobart Hospital) - Atrial myxoma
Canada (Pasqua Hospital) - Atrial myxoma
Canada (University of Sherbrooke) - Cardiac myxoma
Ireland (Kerry General Hospital) - Atrial myxoma
Ireland (Mater Hospital) - Cardiac myxoma
Japan (Asahi General Hospital) - Cardiac myxoma
Japan (Kyoto University Hospital) - Cardiac myxoma, left atrium
Japan (Shizuoka Tokushukai Hospital) - Cardiac myxoma

United Kingdom (John Radcliffe Hospital) - Atrial myxoma

Case 1 – Diagnosis:

Cardiac (“atrial”) myxoma
T-32100, M-88400

Case 1 – References:

Gogas BD, Rallidis Ls, Iliodromitis EK, et al. Right Atrial Myxoma Presenting as Syncope Due to Paulmonary Embolism in a Previously Asymptomatic Patient. *Int J Cardiol* 2009; Mar 10.
Abe H, Minagawa T, Ishiwara R, Uchigasaki S, et al. Multiple Recurrent Cardiac Myxomas. *Kyobu Geka* 2009; 62(3):198-201.
Scheffel H, Baumuellerr S, Stolzmann P, et al. Atrial Myxomas and Thrombi. Comparison of Imaging Features on CT. *AJR Am J Roentgenol* 2009; 192(3):639-645.
Chen MA, Ahlgrim AA and Allen CT. Location, Location, Location. A Left Atrial Mass. *J Am Soc Echocardiogr* 2009.
Santangeli P, Pieroni M, Marzo F, et al. Cardiac Myxoma Presenting with Sensory Neuropathy. *Int J Cardiol* 2009 20.

Case No. 2, Accession No. 30613

April 2009

Alameda (Alameda County Medical Center) - Aggressive angiomyxoma
Fontana (Kaiser Foundation Hospital) - Aggressive angiomyxoma
Hayward (St. Rose Hospital) - Aggressive angiomyxoma
Long Beach (Long Beach VA Medical Center) - Angiomyxoma (2)
Oakland - Angiomyofibroblastoma
Oakland (Kaiser Permanente) - Aggressive angiomyxoma
Orange (St. Joseph Hospital) - Aggressive angiomyxoma
Oxnard (St. John’s Regional Medical Center) - Myxoma
Pleasant Hill - Aggressive angiomyxoma
San Diego (Naval Medical Center) - Aggressive angiomyxoma
Santa Barbara - Cutaneous myxoma
Woodland Hills (Kaiser Foundation Hospital) - Aggressive angiomyxoma
Colorado, Fort Collins - Angiomyofibroblastoma
Florida (Global Pathology Laboratory Services) - Aggressive angiomyxoma
Florida (Naples Pathology Associates) - Aggressive angiomyxoma
Florida (Space Coast Pathologists) - Fibroepithelial polyp
Georgia, Decatur - Superficial angiomyxoma
Illinois, Burr Ridge - Neurofibroma
Illinois, Chicago - Aggressive angiomyxoma
Illinois (Heartland Regional Medical Center) - Aggressive angiomyxoma
Illinois (MacNeal Hospital) - Angiomyofibroblastoma, labium
Indiana (South Bend Medical Foundation) - Aggressive angiomyxoma
Kansas (Cytocheck Laboratory) - Vulvar hypertrophy with lymphedema
Massachusetts (Tufts Medical Center) - Aggressive angiomyxoma
Michigan (Oakwood Hospital) - Angiomyxoma
Minnesota (Fairview Ridges Hospital) - Superficial angiomyxoma
Missouri (Missouri Delta Medical Center) - Angiomyxoma
Nebraska (Creighton University Medical Center) - Aggressive angiomyxoma
New Mexico, Albuquerque - Aggressive angiomyxoma
New Mexico (University of New Mexico Residents) - Deep “aggressive” angiomyxoma
New York (Albany Medical Center) - Aggressive angiomyxoma
New York (Long Island Jewish Medical Center) - Aggressive angiomyxoma
New York (Stony Brook University Medical Center) - Angiomyofibroblastoma
New York (SUNY Downstate Medical Center) - Aggressive angiomyxoma
New York (Westchester Medical Center) - Aggressive angiomyxoma
North Carolina (North Carolina Baptist Hospital) - Aggressive angiomyxoma
Oklahoma, Tulsa - Aggressive angiomyxoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Aggressive angiomyxoma

Pennsylvania (Drexel University College of Medicine Residents) - Aggressive myxoma
Pennsylvania (Lehigh Valley Hospital) - Aggressive angiomyxoma
Pennsylvania (Magee Women's Hospital) - Angiomyxoma
Puerto Rico (University of Puerto Rico) - Aggressive angiomyxoma
Texas, Crystal Beach - Fasciitis proliferative
Texas, Houston - Myxoma
Texas, Lubbock - Aggressive angiomyxofibroma
Texas (Scott & White Hospital) - Aggressive angiomyxoma
Washington (Seattle VA Medical Center) - Aggressive angiomyxoma vs. angiomyxofibroma
West Virginia (Greenbrier Valley Medical Center) - Aggressive angiomyxoma
Australia (Royal Hobart Hospital) - Aggressive angiomyxoma
Canada (Pasqua Hospital) - Aggressive angiomyxoma
Canada (University of Sherbrooke) - Aggressive angiomyxoma
Ireland (Kerry General Hospital) - Aggressive angiomyxoma
Ireland (Mater Hospital) - Aggressive angiomyxoma
Japan (Asahi General Hospital) - Aggressive angiomyxoma
Japan (Kyoto University Hospital) - Aggressive angiomyxoma, right labium
Japan (Shizuoka Tokushukei Hospital) - Aggressive angiomyxoma
United Kingdom (John Radcliffe Hospital) - Aggressive angiomyxoma

Case 2 – Diagnosis:

Aggressive angiomyxoma, region of right labium
 T-52300, M-88400

Case 2 – References:

Alameda F, Munne A, et al. Vulvar Angiomyxoma, Aggressive Angiomyxoma, and Angiomyofibroblastoma. An Immunohistochemical and Ultrastructural Study. *Ultrastruct Pathol* 2006; 30(3):193-205.
 Magtibay PM, Salmon Z, Keeney GL, et al. Aggressive Angiomyxoma of the Female Pelvis and Perineum. A Case Series. *Int J Gynecol* 2006; 16(1):396-401.
 Labial Aggressive Angiomyxoma Associated with Endometrial Hyperplasia and Uterine Leiomyoma. A Case Report and Review of the Literature. *J Med Assoc Thai* 2008; 91(7):1141-1145.
 Vang R, Connelly JH, Hammill HA, et al. Vulvar Hypertrophy with Lymphedema. A Mimicker of Aggressive Angiomyxoma. *Arch Pathol Lab Med* 2000; 124(11):1697-1699.
 Kaur A, Makhija PS, Vallikad E, et al. Multifocal Aggressive Angiomyxoma. A Case Report. *J Clin Pathol* 2000; 53(10):798-799.

Case No. 3, Accession No. 30888

April 2009

Alameda (Alameda County Medical Center) - Sarcoma
Fontana (Kaiser Foundation Hospital) - Fibromatosis
Hayward (St. Rose Hospital) - Ischemic fasciitis
Long Beach (Long Beach VA Medical Center) - Nodular fasciitis (2)
Oakland - Nodular fasciitis
Oakland (Kaiser Permanente) - Ischemic fasciitis
Oxnard (St. John's Regional Medical Center) - MFH
Pleasant Hill - Sclerosing epithelioid fibrosarcoma
San Diego (Naval Medical Center) - Benign fibrous proliferation, favor ischemic fasciitis
Santa Barbara - Desmoid
Woodland Hills (Kaiser Foundation Hospital) - Hyalinizing spindle cell tumor with giant rosettes
Colorado, Fort Collins - Nodular fasciitis
Florida (Global Pathology Laboratory Services) - Collagenous fibroma
Florida (Naples Pathology Associates) - Nodular fasciitis
Georgia, Decatur - Fibromatosis
Illinois, Burr Ridge - Atypical fibromatosis
Illinois, Chicago - Dermatofibroma
Illinois (Heartland Regional Medical Center) - Fibrous neoplasm, NOS
Illinois (MacNeal Hospital) - Low-grade fibromyxoid sarcoma, lower back

Indiana (South Bend Medical Foundation) - Nodular fasciitis
Kansas (Cytocheck Laboratory) - Fibrosarcoma
Massachusetts (Tufts Medical Center) - Ischemic fasciitis
Michigan (Oakwood Hospital) - Nodular fasciitis
Minnesota (Fairview Ridges Hospital) - Sclerosing fibrosarcoma/hyalinizing spindle cell tumor with giant rosettes
Missouri (Missouri Delta Medical Center) - Low grade sarcoma
Nebraska (Creighton University Medical Center) - Myxopapillary ependymoma
New Mexico, Albuquerque - Fibrosis
New Mexico (University of New Mexico Residents) - Low-grade fibromyxoid sarcoma
New York (Albany Medical Center) - Hyalinizing spindle cell tumor with giant rosettes
New York (Long Island Jewish Medical Center) - Deep seated dermatofibroma
New York (Stony Brook University Medical Center) - Deep granuloma annulare
New York (SUNY Downstate Medical Center) - Collagenous fibroma
New York (Westchester Medical Center) - Low grade fibromyxoid sarcoma
North Carolina (North Carolina Baptist Hospital) - Sclerosing epithelioid fibrosarcoma
Oklahoma, Tulsa - Deep granuloma annulare
Pennsylvania (Conemaugh Valley Memorial Hospital) - Fibromatosis
Pennsylvania (Drexel University College of Medicine Residents) - Nodular fasciitis
Pennsylvania (Lehigh Valley Hospital) - Ischemic fasciitis
Pennsylvania (Magee Women's Hospital) - Extra-abdominal fibromatosis
Puerto Rico (University of Puerto Rico) - Fibromatosis/low grade fibromyxoid sarcoma
Texas, Crystal Beach - Pilonidal disease consistent with ependymal nest activity
Texas, Houston - Extra-abdominal fibromatosis
Texas, Lubbock - Leiomyosarcoma
Texas (Scott & White Hospital) - Fibromatosis
Washington (Seattle VA Medical Center) - Benign fibroproliferative process
West Virginia (Greenbrier Valley Medical Center) - Fibromatosis
Australia (Royal Hobart Hospital) - Low grade fibrosarcoma (hyalinizing spindle cell tumor with giant rosettes)
Canada (Pasqua Hospital) - Low grade fibromyosarcoma
Canada (University of Sherbrooke) - Ossifying fibromyxoid tumor
Ireland (Kerry General Hospital) - Ossifying fibromyxoid tumor (non-ossifying type)
Ireland (Mater Hospital) - Low grade fibromyxoid sarcoma
Japan (Asahi General Hospital) - Fibrosarcoma, fibromyxoid type
Japan (Kyoto University Hospital) - Low grade fibromyxoid sarcoma, lower back
Japan (Shizuoka Tokushukai Hospital) - Dermatofibroma
United Kingdom (John Radcliffe Hospital) - Sclerosing epithelioid fibrosarcoma

Case 3 – Diagnosis:

Sarcoma, possibly variant of ossifying fibromyxoid tumor, lower back
 T-Y1100, M-88110

Consultation: Andrew L. Folpe, M.D., Emory University, “Sarcoma with features of malignant ossifying fibromyxoid tumor of soft parts, at least grade II of III”.

Case 3 – References:

- Cibull TL and Billings SD. Cutaneous Malignant Ossifying Fibromyxoid Tumor. *Am J Dermatopathol* 2007; 29(2):156-159.
 Miettinen M, Finnell V and Fetsch JF. Ossifying Fibromyxoid Tumor of Soft Parts. A Clinicopathologic and Immunohistochemical Study of 104 Cases with Long-Term Follow-Up and a Critical Review of the Literature. *Am J Surg Pathol* 2008; 32(7):996-1005.
 Dawamneh MF, Amra NK and Amr SS. Low Grade Fibromyxoid Sarcoma. Report of a Case with Fine Needle Aspiration Cytology and Histologic Correlation. *Acta Cytol* 2006; 50(2):208-212.
 Minami R, Yamamoto T, Tsukamoto R, et al. Fine Needle Aspiration Cytology of the Malignant Variant of Ossifying Fibromyxoid Tumor of Soft Parts. A Case Report. *Acta Cytol* 2001; 45(5):745-755.
 Schaffler G, Raith J, Ranner G, et al. Radiographic Appearance of an Ossifying Fibromyxoid Tumor of Soft Parts. *Skeletal Radiol* 1997; 26(10):615-618.

Alameda (Alameda County Medical Center) - Elastofibroma
Fontana (Kaiser Foundation Hospital) - Elastofibroma
Hayward (St. Rose Hospital) - Elastofibroma
Long Beach (Long Beach VA Medical Center) - Elastofibroma (2)
Oakland - Nuchal fibroma
Oakland (Kaiser Permanente) - Elastofibroma
Orange (St. Joseph Hospital) - Elastofibroma
Oxnard (St. John's Regional Medical Center) - Elastofibroma
Pleasant Hill - Nuchal type fibroma
San Diego (Naval Medical Center) - Elastofibroma
Santa Barbara - Elastofibroma
Woodland Hills (Kaiser Foundation Hospital) - Elastofibroma
Colorado, Fort Collins - Elastofibroma
Florida (Global Pathology Laboratory Services) - Elastofibroma dorsi
Florida (Naples Pathology Associates) - Elastofibroma
Florida (Space Coast Pathologists) - Fibrolipoma
Georgia, Decatur - Elastofibroma
Illinois, Burr Ridge - Elastofibroma
Illinois, Chicago - Elastofibroma
Illinois (Heartland Regional Medical Center) - Elastofibroma
Illinois (MacNeal Hospital) - Elastofibroma, subscapular back
Indiana (South Bend Medical Foundation) - Elastofibroma
Kansas (Cytocheck Laboratory) - Fibromatosis
Massachusetts (Tufts Medical Center) - Elastofibroma
Michigan (Oakwood Hospital) - Elastofibroma
Minnesota (Fairview Ridges Hospital) - Elastofibroma
Missouri (Missouri Delta Medical Center) - Atypical lipoma with myxoid changes
Nebraska (Creighton University Medical Center) - Elastofibroma
New Mexico, Albuquerque - Elastofibroma
New Mexico (University of New Mexico Residents) - Elastofibroma
New York (Albany Medical Center) - Elastofibroma
New York (Long Island Jewish Medical Center) - Elastofibroma
New York (Stony Brook University Medical Center) - Elastofibroma
New York (SUNY Downstate Medical Center) - Spindle cell fibroma
New York (Westchester Medical Center) - Elastofibroma
North Carolina (North Carolina Baptist Hospital) - Fibroelastoma
Oklahoma, Tulsa - Fibromatosis
Pennsylvania (Conemaugh Valley Memorial Hospital) - Elastofibroma
Pennsylvania (Drexel University College of Medicine Residents) - Elastofibroma
Pennsylvania (Lehigh Valley Hospital) - Elastofibroma
Pennsylvania (Magee Women's Hospital) - Elastofibroma
Puerto Rico (University of Puerto Rico) - Elastofibroma
Texas, Crystal Beach - Fasciitis ossificans
Texas, Houston - Elastofibroma
Texas, Lubbock - Elastofibroma
Texas (Scott & White Hospital) - Elastofibroma
Washington (Seattle VA Medical Center) - Elastofibroma
West Virginia (Greenbrier Valley Medical Center) - Elastofibroma
Australia (Royal Hobart Hospital) - Elastofibroma
Canada (Pasqua Hospital) - Elastofibroma
Canada (University of Sherbrooke) - Fibroelastoma
Ireland (Kerry General Hospital) - Elastofibroma
Ireland (Mater Hospital) - Fibroelastoma
Japan (Asahi General Hospital) - Elastofibroma
Japan (Kyoto University Hospital) - Elastofibroma dorsi, subscapular back

Japan (Shizuoka Tokushukei Hospital) - Elastofibroma
United Kingdom (John Radcliffe Hospital) - Elastofibroma

Case 4 – Diagnosis:

Elastofibroma, back
T-Y1100, M-88200

Case 4 – References:

Janzen J. Elastofibroma Dorsi. *Diagn Cytopathol* 2007; 35(5):311-312.
Majeski J. Elastofibroma. A Subscapular Mass. *Am J Surg* 2008; 196(1):93-94.
Erklic S, Kocer NE and Sivrikoz C. Subscapular Elastofibroma Intermingled with Adipose Tissue. Variant Type of Elastofibroma or Lipoma. *Ann Diagn Pathol* 2005; 9(6):327-329.
Schepal JA, Wille J, Seldenrijk CA, van Ramshorst B. Elastofibroma. A Familial Occurrence. *Eur J Surg* 1998; 164(7):557-558.
Pisharodi LR, Cary D and Bernacki EG, Jr. Elastofibroma Dorsi. Diagnostic Problems and Pitfalls. *Diagn Cytopathol* 1994; 10(3):242-244.

Case No. 5, Accession No. 30904

April 2009

Alameda (Alameda County Medical Center) - Extra-abdominal fibromatosis
Fontana (Kaiser Foundation Hospital) - Fibromatosis
Hayward (St. Rose Hospital) - Fibromatosis, deep
Long Beach (Long Beach VA Medical Center) - Fibromatosis (1) Extra-abdominal fibromatosis (1)
Oakland - Fibromatosis
Oakland (Kaiser Permanente) - Fibromatosis
Orange (St. Joseph Hospital) - Fibromatosis
Oxnard (St. John's Regional Medical Center) - Fibromatosis
Pleasant Hill - Fibromatous
San Diego (Naval Medical Center) - Extra-abdominal fibromatosis (desmoid tumor)
Santa Barbara - Leiomyoma
Woodland Hills (Kaiser Foundation Hospital) - Extra-abdominal fibromatosis
Colorado, Fort Collins - Extra-abdominal fibromatosis
Florida (Global Pathology Laboratory Services) - Fibromatosis
Florida (Naples Pathology Associates) - Fibromatosis
Florida (Space Coast Pathologists) - Fibromatosis
Georgia, Decatur - Fibromatosis
Illinois, Burr Ridge - Fibromatosis
Illinois, Chicago - Extra-abdominal fibromatosis
Illinois (Heartland Regional Medical Center) - Extra-abdominal fibromatosis
Illinois (MacNeal Hospital) - Fibromatosis, left upper arm
Indiana (South Bend Medical Foundation) - Extra-abdominal fibromatosis
Kansas (Cytocheck Laboratory) - Neurofibroma
Massachusetts (Tufts Medical Center) - Nodular fasciitis
Michigan (Oakwood Hospital) - Fibromatosis
Minnesota (Fairview Ridges Hospital) - Fibromatosis
Missouri (Missouri Delta Medical Center) - Fibromatosis
Nebraska (Creighton University Medical Center) - Extra-abdominal fibromatosis
New Mexico, Albuquerque - Fibromatosis (desmoid tumor)
New Mexico (University of New Mexico Residents) - Desmoid-type fibromatosis
New York (Albany Medical Center) - Extra-abdominal fibromatosis (desmoid)
New York (Long Island Jewish Medical Center) - Fibromatosis
New York (Stony Brook University Medical Center) - Fibromatosis
New York (SUNY Downstate Medical Center) - Fibromatosis, desmoid type
New York (Westchester Medical Center) - Fibromatosis
North Carolina (North Carolina Baptist Hospital) - Fibromatosis
Oklahoma, Tulsa - Fibromatosis

Pennsylvania (Conemaugh Valley Memorial Hospital) - Fibromatosis
Pennsylvania (Drexel University College of Medicine Residents) - Fibromatosis
Pennsylvania (Lehigh Valley Hospital) - Fibromatosis
Pennsylvania (Magee Women's Hospital) - Fibromatosis
Puerto Rico (University of Puerto Rico) - Desmoid-type fibromatosis
Texas, Crystal Beach - Fibromatosis intramuscular
Texas, Houston - Intramuscular fibromatosis
Texas, Lubbock - Desmoid tumor
Texas (Scott & White Hospital) - Fibromatosis
Washington (Seattle VA Medical Center) - Fibromatosis, desmoid
West Virginia (Greenbrier Valley Medical Center) - Rhabdomyoma
Australia (Royal Hobart Hospital) - Extra-abdominal fibromatosis
Canada (Pasqua Hospital) - Fibromatosis
Canada (University of Sherbrooke) - Desmoid tumor
Ireland (Kerry General Hospital) - Fibromatosis
Ireland (Mater Hospital) - Desmoid fibromatosis
Japan (Asahi General Hospital) - Musculoaponeurotic fibromatosis
Japan (Kyoto University Hospital) - Desmoid type fibromatosis, upper arm, left
Japan (Shizuoka Tokushukai Hospital) - Extra-abdominal fibromatosis
United Kingdom (John Radcliffe Hospital) - Fibromatosis

Case 5 – Diagnosis:

Fibromatosis (“desmoid tumor”), arm
 T-Y8000, M-76100

Case 5 – References:

Melis M, Zager JS and Sondak VK. Multimodality Management of Desmoid Tumors. How Important is a Negative Surgical Margin? *J Surg Oncol* 2008; 98(8):594-602.
 Lefevre JH, Parc Y, et al. Risk Factors for Development of Desmoid Tumors in Familial Adenomatous Polyposis. *Br J Surg* 2008; 95(9):1136-1139.
 Wong SL. Diagnosis and Management of Desmoid Tumors and Fibrosarcoma. *J Surg Oncol* 2008; 97(6):554-558.
 Hosalkar HS, Torbert JT, et al. Musculoskeletal Desmoid Tumors. *J Am Acad Orthop Surg* 2008; 16(4):188-198.
 Zippel DB and Temple WJ. When is a Neoplasm Not a Neoplasm. When It Is a Desmoid. *J Surg Oncol* 2007; 95(3):190-191.

Case No. 6, Accession No. 30990

April 2009

Alameda (Alameda County Medical Center) - Adult fibrosarcoma
Fontana (Kaiser Foundation Hospital) - Synovial sarcoma
Hayward (St. Rose Hospital) - Melanoma, rule out LMS
Long Beach (Long Beach VA Medical Center) - Sarcoma, NOS/MPNST (2)
Oakland - Fibrosarcoma
Oakland (Kaiser Permanente) - Fibrosarcoma
Orange (St. Joseph Hospital) - Fibrosarcoma rule out synovial sarcoma
Oxnard (St. John's Regional Medical Center) - Synovial sarcoma
Pleasant Hill - Fibrosarcoma
San Diego (Naval Medical Center) - Rule out monophasic fibrous synovial sarcoma
Santa Barbara - Ewing's
Woodland Hills (Kaiser Foundation Hospital) - Fibrosarcoma
Colorado, Fort Collins - Fibrosarcoma
Florida (Global Pathology Laboratory Services) - Fibrosarcoma
Florida (Naples Pathology Associates) - Monophasic synovial sarcoma
Florida (Space Coast Pathologists) - Fibrosarcoma
Georgia, Decatur - Fibrosarcoma
Illinois, Burr Ridge - Synovial sarcoma

Illinois, Chicago - Fibrosarcoma
Illinois (Heartland Regional Medical Center) - Fibrosarcoma
Illinois (MacNeal Hospital) - Synovial sarcoma, left leg
Indiana (South Bend Medical Foundation) - High grade fibrosarcoma
Kansas (Cytocheck Laboratory) - MFH
Massachusetts (Tufts Medical Center) - Fibrosarcoma
Michigan (Oakwood Hospital) - Fibrosarcoma
Minnesota (Fairview Ridges Hospital) - Fibrosarcoma
Missouri (Missouri Delta Medical Center) - Malignant fibrous histiocytoma
Nebraska (Creighton University Medical Center) - Fibrosarcoma
New Mexico, Albuquerque - Monophasic synovial sarcoma
New Mexico (University of New Mexico Residents) - Adult fibrosarcoma
New York (Albany Medical Center) - Fibrosarcoma
New York (Long Island Jewish Medical Center) - Fibrosarcoma
New York (Stony Brook University Medical Center) - Fibrosarcoma
New York (SUNY Downstate Medical Center) - Monophasic synovial sarcoma
New York (Westchester Medical Center) - Monophasic synovial sarcoma
North Carolina (North Carolina Baptist Hospital) - Fibrosarcoma
Oklahoma, Tulsa - Fibrosarcoma rule out monophasic synovial sarcoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - High grade sarcoma, NOS, favor monophasic synovial sarcoma
Pennsylvania (Drexel University College of Medicine Residents) - Fibrosarcoma
Pennsylvania (Lehigh Valley Hospital) - Monophasic synovial sarcoma
Pennsylvania (Magee Women's Hospital) - Monophasic synovial sarcoma
Puerto Rico (University of Puerto Rico) - Adult fibrosarcoma
Texas, Crystal Beach - Sarcoma (fibrosarcoma?)
Texas, Houston - Desmoplastic small round cell tumor
Texas, Lubbock - Fibrosarcoma
Texas (Scott & White Hospital) - Monophasic synovial sarcoma
Washington (Seattle VA Medical Center) - Sarcoma, high grade
West Virginia (Greenbrier Valley Medical Center) - Fibrosarcoma
Australia (Royal Hobart Hospital) - Monophasic synovial sarcoma is the preferred diagnosis
Canada (Pasqua Hospital) - Synovial sarcoma vs. fibrosarcoma
Canada (University of Sherbrooke) - Synovial sarcoma (monophasic spindle cell)
Ireland (Kerry General Hospital) - Adult fibrosarcoma
Ireland (Mater Hospital) - Dermatofibrosarcoma protuberans
Japan (Asahi General Hospital) - Fibrosarcoma, classic type
Japan (Kyoto University Hospital) - Adult fibrosarcoma, leg, left
Japan (Shizuoka Tokushukei Hospital) - Synovial sarcoma
United Kingdom (John Radcliffe Hospital) - Monophasic synovial sarcoma

Case 6 – Diagnosis:

Fibrosarcoma (adult type), leg
 T-Y9400, M-90403

Director's note: Epithelial markers were negative. (drc)

Case 6 – References:

- Hansen T, Katenkamp K, Brodhun M, et al. Low-Grade Fibrosarcoma—Report on 39 Not Otherwise Specified Cases and Comparison with Defined Low-Grade Fibrosarcoma Types. *Histopathol* 2006; 49(2):152-160.
- Vascellari M, Melchioti E and Mutinelli F. Fibrosarcoma with Typical Features of Postinjection Sarcoma at Site of Microchip Implant in a Dog. Histologic and Immunohistochemical Study. *Vet Pathol* 2006; 43(4):545-548.
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- Cecchetto G, Carli M, et al. Fibrosarcoma in Pediatric Patients. Results of the Italian Cooperative Group Studies. *J Surg Oncol* 2001; 78(4):225-231.
- Sheng WQ, Hashimoto H, et al. Expression of COL1A1-PDGFB Fusion Transcripts in Superficial Adult Fibrosarcoma Suggests a Close Relationship to Dermatofibrosarcoma Protuberans. *J Pathol* 2001; 194(1):88-94.

Case No. 7, Accession No. 30632

April 2009

Alameda (Alameda County Medical Center) - Dermatofibrosarcoma protuberans
Fontana (Kaiser Foundation Hospital) - Large fibromyxoid sarcoma
Hayward (St. Rose Hospital) - DFSP
Long Beach (Long Beach VA Medical Center) - Dermatofibrosarcoma protuberans (2)
Oakland - Synovial sarcoma
Oakland (Kaiser Permanente) - Solitary fibrous tumor
Oxnard (St. John’s Regional Medical Center) - Myxoliposarcoma
Pleasant Hill - Solitary fibrous tumor
San Diego (Naval Medical Center) - Myxoid DFSP
Santa Barbara - Myxoid dermatofibrosarcoma protuberans
Woodland Hills (Kaiser Foundation Hospital) - DFSP
Colorado, Fort Collins - Hemangiopericytoma
Florida (Global Pathology Laboratory Services) - Myxoid DFSP
Florida (Naples Pathology Associates) - Dermatofibrosarcoma protuberans with fibrosarcomatous transformation
Florida (Space Coast Pathologists) - Myxoid leiomyoma
Georgia, Decatur - Dermatofibrosarcoma protuberans with focal myxoid change
Illinois, Burr Ridge - Dermatofibrosarcoma, myxoid
Illinois, Chicago - Nodular fasciitis
Illinois (Heartland Regional Medical Center) - DFSP with myxoid change
Illinois (MacNeal Hospital) - Angiofibroma, right ankle
Indiana (South Bend Medical Foundation) - Angiomyxoma
Kansas (Cytocheck Laboratory) - Neurilemoma, solitary fibrous tumor
Massachusetts (Tufts Medical Center) - DFSP
Michigan (Oakwood Hospital) - Dermatofibrosarcoma protuberans
Minnesota (Fairview Ridges Hospital) - Dermatofibrosarcoma protuberans (? transformation to fibrosarcoma)
Missouri (Missouri Delta Medical Center) - Myxoid liposarcoma, low grade
Nebraska (Creighton University Medical Center) - Myxoid dermatofibrosarcoma protuberans
New Mexico, Albuquerque - Myxofibrosarcoma
New Mexico (University of New Mexico Residents) - Myxoid dermatofibrosarcoma protuberans
New York (Albany Medical Center) - Low grade fibromyxoid sarcoma
New York (Long Island Jewish Medical Center) - Dermatofibrosarcoma protuberans
New York (Stony Brook University Medical Center) - Solitary fibrous tumor
New York (SUNY Downstate Medical Center) - DFSP
New York (Westchester Medical Center) - Myxoid fibroma of tendon sheath
North Carolina (North Carolina Baptist Hospital) - Fibrosarcoma arising in DFSP
Oklahoma, Tulsa - Dermatofibrosarcoma protuberans
Pennsylvania (Conemaugh Valley Memorial Hospital) - DFSP
Pennsylvania (Drexel University College of Medicine Residents) - DFSP
Pennsylvania (Lehigh Valley Hospital) - DFSP
Pennsylvania (Magee Women’s Hospital) - Low grade fibromyxosarcoma
Puerto Rico (University of Puerto Rico) - Dermatofibrosarcoma protuberans
Texas, Crystal Beach - Myxohyaline tumor of distal extremities

Texas, Houston - Myxofibrosarcoma
Texas, Lubbock - Dermatofibrosarcoma protuberans
Texas (Scott & White Hospital) - DFSP
Washington (Seattle VA Medical Center) - Dermatofibrosarcoma protuberans
West Virginia (Greenbrier Valley Medical Center) - Fibrohistiocytoma
Australia (Royal Hobart Hospital) - Low grade fibromyxoid sarcoma
Canada (Pasqua Hospital) - Dermatofibrosarcoma protuberans with fibrosarcoma
Canada (University of Sherbrooke) - Dermatofibrosarcoma protuberans myxoid type
Ireland (Kerry General Hospital) - Myxofibrosarcoma
Ireland (Mater Hospital) - Low grade myxofibrosarcoma
Japan (Asahi General Hospital) - Low grade fibromyxoid sarcoma
Japan (Kyoto University Hospital) - Myxofibrosarcoma, ankle, right
Japan (Shizuoka Tokushukei Hospital) - Leiomyosarcoma
United Kingdom (John Radcliffe Hospital) - DFSP

Case 7 – Diagnosis:

Dermatofibrosarcoma protuberans (DFSP), multiply recurrent, ankle
 T-Y9500, M-88321

Director's note: Several slides showed fibrosarcomatous transformation. (drc)

Case 7 – References:

Diwan AH, Skelton HG, et al. Dermatofibrosarcoma Protuberans and Giant Cell Fibroblastoma Exhibit CD99 Positivity. *J Cutan Pathol* 2008; 35(7):647-650.
 Jha P, Moosavi C and Fanburg-Smith JC. Giant Cell Fibroblastoma. An Update and Addition of 86 New Cases from the Armed Forces Institute of Pathology, in Honor of Dr. Franz M. Enzinger. *Ann Diagn Pathol* 2007; 81-88.
 Abbott JJ, Oliveira AM and Nascimento AG. The Prognostic Significance of Fibrosarcomatous Transformation in Dermatofibrosarcoma Protuberans. *Am J Surg Pathol* 2006; 30(4):436-443.
 McArthur G. Molecularly Targeted Treatment For Dermatofibrosarcoma Protuberans. *Semin Oncol* 2004; 31:30-36.
 Maire G, Fraitag S, et al. A Clinical, Histologic and Molecular Study of 9 Cases of Congenital Dermatofibrosarcoma Protuberans. *Arch Dermatol* 2007; 143(2):203-210.

Case No. 8, Accession No. 30928

April 2009

Alameda (Alameda County Medical Center) - Myxofibrosarcoma
Fontana (Kaiser Foundation Hospital) - Myxoid liposarcoma
Hayward (St. Rose Hospital) - Inflammatory myxohyaline tumor (vs. myxofibrosarcoma)
Long Beach (Long Beach VA Medical Center) - Myxoid liposarcoma (2)
Oakland - Myxoid fibrosarcoma vs. liposarcoma
Oakland (Kaiser Permanente) - Myxoid liposarcoma
Orange (St. Joseph Hospital) - Low grade fibromyxoid sarcoma
Oxnard (St. John's Regional Medical Center) - Schwannoma
Pleasant Hill - Myxofibrosarcoma
San Diego (Naval Medical Center) - Myxoid malignant fibrous histiocytoma, grade II
Santa Barbara - Myxoid liposarcoma
Woodland Hills (Kaiser Foundation Hospital) - Intramuscular myxoma
Colorado, Fort Collins - Inflammatory myxohyaline tumor
Florida (Global Pathology Laboratory Services) - Nodular fasciitis
Florida (Naples Pathology Associates) - Myxoma
Florida (Space Coast Pathologists) - Myxoma
Georgia, Decatur - Acral myxoinflammatory fibroblastic sarcoma
Illinois, Burr Ridge - MPNST
Illinois, Chicago - Myxoid liposarcoma
Illinois (Heartland Regional Medical Center) - Low grade MFH, myxoid (myxofibrosarcoma)
Illinois (MacNeal Hospital) - Intramuscular myxoma, left forearm
Indiana (South Bend Medical Foundation) - Low grade fibromyxoid sarcoma
Kansas (Cytocheck Laboratory) - Myxomatous liposarcoma

Massachusetts (Tufts Medical Center) - Plexiform neurofibroma
Michigan (Oakwood Hospital) - Myxofibrosarcoma
Minnesota (Fairview Ridges Hospital) - Myxofibrosarcoma
Missouri (Missouri Delta Medical Center) - Myxoid liposarcoma, high grade
Nebraska (Creighton University Medical Center) - Low grade fibrosis myxoid sarcoma
New Mexico, Albuquerque - Malignant peripheral nerve sheath tumor
New Mexico (University of New Mexico Residents) - Myxoinflammatory fibroblastic sarcoma
New York (Albany Medical Center) - Plexiform neurofibroma
New York (Long Island Jewish Medical Center) - Myxofibrosarcoma
New York (Stony Brook University Medical Center) - Plexiform neurofibroma
New York (SUNY Downstate Medical Center) - Myxoid neurofibroma
New York (Westchester Medical Center) - Intramuscular myxoma
North Carolina (North Carolina Baptist Hospital) - Low grade myxofibrosarcoma
Oklahoma, Tulsa - Myxofibrosarcoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Myxoid neurofibroma
Pennsylvania (Drexel University College of Medicine Residents) - Superficial myxoid MFH
Pennsylvania (Lehigh Valley Hospital) - Myxofibrosarcoma
Pennsylvania (Magee Women's Hospital) - Myxoid fibrosarcoma
Puerto Rico (University of Puerto Rico) - Atypical ossifying fibromyxoid tumor of soft parts
Texas, Crystal Beach - Angiomyxoma
Texas, Houston - Neurofibrosarcoma
Texas, Lubbock - Myxoid liposarcoma
Texas (Scott & White Hospital) - Myxofibrosarcoma
Washington (Seattle VA Medical Center) - Myxofibrosarcoma
West Virginia (Greenbrier Valley Medical Center) - Proliferative myositis
Australia (Royal Hobart Hospital) - Myxofibrosarcoma
Canada (Pasqua Hospital) - Myxofibrosarcoma
Canada (University of Sherbrooke) - Myxofibrosarcoma
Ireland (Kerry General Hospital) - Myxofibrosarcoma
Ireland (Mater Hospital) - Myxoinflammatory fibroblastic sarcoma
Japan (Asahi General Hospital) - Cutaneous myxoma
Japan (Kyoto University Hospital) - Myxoinflammatory fibroblastic sarcoma, forearm, left
Japan (Shizuoka Tokushukei Hospital) - Spindle cell lipoma
United Kingdom (John Radcliffe Hospital) - Myxofibrosarcoma

Case 8 – Diagnosis:

Myxofibrosarcoma (“myxoid MFH”), forearm
 T-Y8500, M-88303

Case 8 – References:

Fujimura T, Okuyama R, et al. Myxofibrosarcoma (Myxoid Malignant Fibrous Histiocytoma) Showing Cutaneous Presentation. Report of Two Cases. *J Cutan Pathol* 2005; 32(7):512-515.
 Nascimento AF, Bertoni F and Fletcher CD. Epithelioid Variant of Myxofibrosarcoma. Expanding the Clinicomorphologic Spectrum of Myxofibrosarcoma in a Series of 17 Cases. *Am J Surg Pathol* 2007; 31(1):99-105.
 Lin CN, Chou SC, et al. Prognostic Factors of Myxofibrosarcomas. Implications of Margin Status, Tumor Necrosis and Mitotic Rate on Survival. *J Surg Oncol* 2006; 93(4):294-303.
 Oda Y, Takahira T, et al. Low-Grade Fibromyxoid Sarcoma Versus Low-Grade Myxofibrosarcoma in the Extremities and Trunk. A Comparison of Clinicopathological and Immunohistochemical Features. *Histopathol* 2004; 45(1):29-38.
 Clarke LE, Zhang PJ, et al. Myxofibrosarcoma in the Skin. *J Cutan Pathol* 2008; 35(10):935-940.

Case No. 9, Accession No. 30953

April 2009

Alameda (Alameda County Medical Center) - Angiomyolipoma
Fontana (Kaiser Foundation Hospital) - Angiomyolipoma
Hayward (St. Rose Hospital) - Angiomyolipoma
Long Beach (Long Beach VA Medical Center) - Angiomyolipoma (2)

Oakland - Angiomyolipoma
Oakland (Kaiser Permanente) - Angiomyolipoma
Orange (St. Joseph Hospital) - Angiomyolipoma
Oxnard (St. John's Regional Medical Center) - Angiomyolipoma
Pleasant Hill - Epithelioid angiomyolipoma
San Diego (Naval Medical Center) - Angiomyolipoma
Santa Barbara - Angiomyolipoma
Woodland Hills (Kaiser Foundation Hospital) - Angiomyolipoma
Colorado, Fort Collins - Angiomyolipoma
Florida (Global Pathology Laboratory Services) - Angiomyolipoma
Florida (Naples Pathology Associates) - Angiomyolipoma
Florida (Space Coast Pathologists) - Angiomyolipoma
Georgia, Decatur - Angiomyolipoma
Illinois, Burr Ridge - Angiomyolipoma
Illinois, Chicago - Angiomyolipoma
Illinois (Heartland Regional Medical Center) - Angiomyolipoma
Illinois (MacNeal Hospital) - Angiomyolipoma, left kidney
Kansas (Cytocheck Laboratory) - Angiomyolipoma
Massachusetts (Tufts Medical Center) - Angiomyolipoma
Michigan (Oakwood Hospital) - Angiomyolipoma
Minnesota (Fairview Ridges Hospital) - Angiomyolipoma
Missouri (Missouri Delta Medical Center) - Angiomyolipoma
Nebraska (Creighton University Medical Center) - Angiomyolipoma
New Mexico, Albuquerque - Angiomyolipoma
New Mexico (University of New Mexico Residents) - Angiomyolipoma
New York (Albany Medical Center) - Angiomyolipoma
New York (Long Island Jewish Medical Center) - Angiomyolipoma
New York (Stony Brook University Medical Center) - Angiomyolipoma
New York (SUNY Downstate Medical Center) - Angiomyolipoma
New York (Westchester Medical Center) - Angiomyolipoma
North Carolina (North Carolina Baptist Hospital) - Angiomyolipoma
Oklahoma, Tulsa - Angiomyolipoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Angiomyolipoma
Pennsylvania (Drexel University College of Medicine Residents) - Angiomyolipoma
Pennsylvania (Lehigh Valley Hospital) - Angiomyolipoma
Pennsylvania (Magee Women's Hospital) - Angiomyolipoma
Puerto Rico (University of Puerto Rico) - Angiomyolipoma
Texas, Crystal Beach - Angiomyolipoma
Texas, Houston - Angiomyolipoma
Texas, Lubbock - Angiomyolipoma
Texas (Scott & White Hospital) - Angiomyolipoma
Washington (Seattle VA Medical Center) - Angiomyolipoma/Pecoma
West Virginia (Greenbrier Valley Medical Center) - Angiomyolipoma
Australia (Royal Hobart Hospital) - Angiomyolipoma. kidney
Canada (Pasqua Hospital) - Angiomyolipoma
Canada (University of Sherbrooke) - Angiomyolipoma
Ireland (Kerry General Hospital) - Angiomyolipoma
Ireland (Mater Hospital) - Angiomyolipoma
Japan (Asahi General Hospital) - Angiomyolipoma
Japan (Kyoto University Hospital) - Angiomyolipoma
Japan (Shizuoka Tokushukei Hospital) - Angiomyolipoma
United Kingdom (John Radcliffe Hospital) - Angiomyolipoma

Case 9 – Diagnosis:

Angiomyolipoma, kidney
 T-71000, M-88600

Case 9 – References:

- Seyam RM, Bissada NK, et al. Changing Trends in Presentation, Diagnosis and Management of Renal Angiomyolipoma. Comparison of Sporadic and Tuberous Sclerosis Complex-Associated Forms. *Urol* 2008; 72(5):1077-1082.
- Kobayashi M, Nakano K, et al. Bilateral Massive Renal Angiomyolipoma Concurrent with Oncocytoma in Tuberous Sclerosis Complex Associated with Pulmonary Lymphangioleiomyomatosis. *Urol* 2008; 72(4):948 e7-e9.
- Angelico M, et al. Massive Hepatic Angiomyolipoma in a Young Woman with Tuberous Sclerosis Complex. Significant Clinical Improvement During Tamoxifen Treatment. *Hepatol* 2008; 48(6):1026-1029.
- Crapanzano JP. Fine-Needle Aspiration of Renal Angiomyolipoma. Cytological Findings and Diagnostic Pitfalls in a Series of Five Cases. *Cytopathol* 2005; 32(1):53-57.
- Hafron J, Fogarty JD, et al. Imaging Characteristics of Minimal Fat Renal Angiomyolipoma with Histologic Correlations. *Urol* 2005; 66(6):1155-1159.

Case No. 10, Accession No. 30939

April 2009

Alameda (Alameda County Medical Center) - Atypical lipomatous tumor/well-differentiated liposarcoma

Fontana (Kaiser Foundation Hospital) - Well-differentiated liposarcoma

Hayward (St. Rose Hospital) - Atypical lipoma/well-differentiated liposarcoma

Long Beach (Long Beach VA Medical Center) - Well-differentiated liposarcoma/sclerosing lipogranuloma (2)

Oakland - Atypical lipoma/well-differentiated liposarcoma

Oakland (Kaiser Permanente) - Liposarcoma, well-differentiated

Orange (St. Joseph Hospital) - Atypical lipomatous tumor, well-differentiated liposarcoma

Oxnard (St. John's Regional Medical Center) - Liposarcoma

Pleasant Hill - Well-differentiated liposarcoma

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

Santa Barbara - Liposarcoma, low grade

Woodland Hills (Kaiser Foundation Hospital) - Well-differentiated liposarcoma

Colorado, Fort Collins - Well-differentiated liposarcoma

Florida (Global Pathology Laboratory Services) - Liposarcoma

Florida (Naples Pathology Associates) - Liposarcoma

Florida (Space Coast Pathologists) - Well-differentiated liposarcoma

Georgia, Decatur - Well-differentiated liposarcoma

Illinois, Burr Ridge - Liposarcoma

Illinois, Chicago - Sclerosing well-differentiated liposarcoma

Illinois (Heartland Regional Medical Center) - Well-differentiated liposarcoma (atypical lipomatous tumor)

Illinois (MacNeal Hospital) - Liposarcoma, right scrotum

Indiana (South Bend Medical Foundation) - Well-differentiated liposarcoma

Kansas (Cytocheck Laboratory) - Atypical lipomatous tumor, ?liposarcoma

Massachusetts (Tufts Medical Center) - Well-differentiated liposarcoma

Michigan (Oakwood Hospital) - Well-differentiated liposarcoma

Minnesota (Fairview Ridges Hospital) - Well-differentiated liposarcoma

Missouri (Missouri Delta Medical Center) - Liposarcoma, low grade

Nebraska (Creighton University Medical Center) - Benign lipomatous tumor, favor spindle cell lipoma

New Mexico, Albuquerque - Well-differentiated liposarcoma

New Mexico (University of New Mexico Residents) - Well-differentiated liposarcoma

New York (Albany Medical Center) - Well-differentiated liposarcoma

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

New York (Stony Brook University Medical Center) - Well-differentiated liposarcoma

New York (SUNY Downstate Medical Center) - Well-differentiated liposarcoma

New York (Westchester Medical Center) - Low grade liposarcoma

North Carolina (North Carolina Baptist Hospital) - Well-differentiated liposarcoma

Oklahoma, Tulsa - Atypical lipomatous tumor/well-differentiated liposarcoma

Pennsylvania (Conemaugh Valley Memorial Hospital) - Sclerosing liposarcoma, low grade

Pennsylvania (Drexel University College of Medicine Residents) - Atypical lipomatous neoplasm

Pennsylvania (Lehigh Valley Hospital) - Atypical lipomatous neoplasm

Pennsylvania (Magee Women's Hospital) - Liposarcoma, well-differentiated

Puerto Rico (University of Puerto Rico) - Liposarcoma, well-differentiated/spindle cell lipoma

Texas, Crystal Beach - Pleomorphic lipoma
Texas, Houston - Well-differentiated liposarcoma
Texas, Lubbock - Liposarcoma
Texas (Scott & White Hospital) - Well-differentiated liposarcoma
Washington (Seattle VA Medical Center) - Liposarcoma, well-differentiated
West Virginia (Greenbrier Valley Medical Center) - Atypical lipomatous tumor
Australia (Royal Hobart Hospital) - Well-differentiated (sclerosing) liposarcoma
Canada (Pasqua Hospital) - Well-differentiated liposarcoma
Canada (University of Sherbrooke) - Liposarcoma, well-differentiated
Ireland (Kerry General Hospital) - Well-differentiated liposarcoma
Ireland (Mater Hospital) - Low grade liposarcoma
Japan (Asahi General Hospital) - Atypical lipomatous neoplasm
Japan (Kyoto University Hospital) - Liposarcoma, testicle, right
Japan (Shizuoka Tokushukai Hospital) - Atypical lipoma
United Kingdom (John Radcliffe Hospital) - Well-differentiated liposarcoma

Case 10 – Diagnosis:

Well-differentiated liposarcoma/atypical lipomatous neoplasm, epididymis
 T-79110, M-88500

Directors note: In this location, as well as retroperitoneum, pericardial intrascrotal and deep truncal we prefer the term well-differentiated liposarcoma. (drc)

Consultation: Richard K. Sibley, M.D., Stanford University Medical Center, Stanford, CA., “Atypical lipomatous tumor.”

Case 10 – References:

Tewari R, Mishra MN and Salopal TK. The Role of Fine Needle Aspiration Cytology in Evaluation of Epididymal Nodular Lesions. *Acta Cytol* 2007; 51(2):168-170.
 Evans HL. Atypical Lipomatous Tumor, Its Variants, and Its Combined Forms. A Study of 61 Cases, with a Minimum Follow-Up of 10 Years. *Am J Surg Pathol* 2007; 31(1):1-14.
 Kooby DA, Antonescu CR, Brennan MF, et al. Atypical Lipomatous Tumor/Well-Differentiated Liposarcoma of the Extremity and Trunk Wall. Importance of Histological Subtype with Treatment Recommendations. *Ann Surg Oncol* 2004; 11(1):78-84.
 Deyrup AT and Weiss SW. Grading of Soft Tissue Sarcomas. The Challenge of Providing Precise Information in an Imprecise World. *Histopathol* 2006; 48(1):42-50.
 Arrigoni G and Doglioni C. Atypical Lipomatous Tumor. Molecular Characterization. *Curr Opin Oncol* 2004; 16(4):355-358.