



CALIFORNIA
TUMOR TISSUE REGISTRY

SOFT TISSUE PATHOLOGY

Minutes – Subscription A

April, 2008



SUGGESTED READING (General Topics from Recent Literature):

- Immunohistochemistry for B-Catenin in the Differential Diagnosis of Spindle Cell Lesions. Analysis of a Series and Review of the Literature. Carlson JW and Fletcher CDM. *Histopathol* 2007; 51:509-514. .
- Second Primary Neoplasms In Survivors of Wilms' Tumor – A Population-Based Cohort Study From the British Childhood Cancer Survivor Study. Taylor AJ, Winter DL, et al. *Int J Cancer* 2008; 122:2085-2093.
- High Intraepithelial Eosinophil Counts in Esophageal Squamous Epithelium Are Not Specific For Eosinophilic Esophagitis In Adults. Rodrigo S, Abboud G, et al. *Am J Gastroenterol* 2008; 103:435-442.
- A Comparative Analysis of Lichen Sclerosus of the Vulva and Lichen Sclerosus That Evolves to Vulvar Squamous Cell Carcinoma. Raspollini MR, Asirelli G, et al. *Am J Obstet Gynecol* 2007; 197:592 e1-592 e5.
- The Clinical Management of Patients With A Small Volume of Prostatic Cancer On Biopsy. What Are The Risks of Progression? Harnden P, Naylor B, et al. *Cancer* 2008; 112:971-981.

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FILE DIAGNOSES

CTTR Subscription A

April 2008

Case 1:

Soft tissue chondroma, ankle
T-Y9500, M-92200

Case 2:

Myelolipoma, adrenal
T-93000, M-88700

Case 3:

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

Case 4:

Fibromatosis (demoid tumor), chest wall
T-Y2150, M-76100

Case 5:

Low-grade fibromyxoid sarcoma, thigh/groin
T-Y9100, M-88003

Case 6:

Dermatofibrosarcoma protuberans, interscapular
T-Y1200, M-88323

Case 7:

Leiomyosarcoma, groin
T-Y7000, M-88903

Case 8:

Pleomorphic rhabdomyosarcoma, leg
T-Y9400, M-89013

Case 9:

Malignant peripheral nerve sheath tumor, leg
T-Y4100, M-87700

Case 10:

Epithelioid angiosarcoma, lung
T-28000, M-91203

Alameda (Alameda County Medical Center) - Soft tissue chondroma
Arcadia (ABC Laboratories) - Enchondroma
Fontana (Kaiser Permanente) - Chondroma
Glendale - Chondroma
Hayward (St. Rose Hospital) - Juxacortical chondroma
Long Beach (Long Beach Veterans Hospital) - Soft tissue chondroma (5)
Long Beach (Long Beach Memorial Hospital) - Soft tissue chondroma
Mountain View (El Camino Hospital) - Synovial chondromatosis
Oakland - Chondroma
Oxnard (St. John's Regional Medical Center) - Enchondroma (3)
San Diego (Naval Medical Center) - Chondroma
San Diego (UCSD Medical Center) - Low grade cartilaginous tumor
San Francisco (SF General Hospital) - Enchondroma
Santa Barbara - Chondroma
Santa Rosa (SR Memorial Hospital) - Extraskelatal chondroma (1); Chondrosarcoma, low-grade (2)
Sonoma - Soft tissue chondroma
Woodland Hills (So Calif Derm Medical Gp) - Chondroma
Alabama (Baptist Medical Center) - Chondroma
Alabama (UAB) - Soft tissue chondroma
Colorado, Ft. Collins - Chondrosarcoma
Colorado (Kaiser Permanente) - Enchondroma
Florida (Baptist Hospital) - Osteochondroma (2)
Georgia, Decatur - Synovial chondromatosis
Illinois, Burr Ridge - Extraskelatal chondroma
Illinois (MacNeal Hospital) - Low grade chondrosarcoma
Illinois, Oak Brook - Low grade chondrosarcoma
Illinois (Loyola University Medical Center) - Soft tissue chondromatosis
Indiana (St. Joe Hospital) - Enchondroma
Iowa (Winneskie County Medical Hospital) - Enchondroma
Kansas (Cytocheck Laboratory) - Soft tissue chondroma (1); Heterotopic bone (1)
Kentucky (University of Louisville Pathology Residents) - Chondromatosis
Louisiana (Orleans Parish Coroner's Office) - Osteoid osteoma
Maryland (Silver Springs) - Calcified chondroma of soft parts
Massachusetts (Tufts Medical Center) - Chondroma
Minnesota (Fairview Ridges Hospital) - Chondroma
Missouri (Missouri Delta Center) - Osteochondroma
Missouri (Truman Medical Center) - Chondroma
Nebraska (Creighton University Medical Center) - Well-differentiated chondrosarcoma
Nevada (Sunrise Hospital) - Chondroma
New Mexico, Albuquerque - Chondroma
New York (Erie County Medical Center) - Enchondroma
New York (Long Island Jewish Medical Center) - Chondrosarcoma
New York (Roosevelt Hospital) - Enchondroma vs. well-differentiated chondrosarcoma
New York (Stony Brook University Medical Center) - Extraskelatal chondroma
New York (SUNY Health Science Center) - Chondroma
New York (Westchester Medical Center) - Extraskelatal chondroma
Pennsylvania (Drexel University) - Chondrosarcoma, grade I
Pennsylvania (Lehigh Valley Hospital) - Low grade chondrosarcoma
Pennsylvania (Magee Women's Hospital) - Enchondroma
Puerto Rico (University of PR) - Tenosynovial chondromatosis/conventional chondrosarcoma, grade I
South Dakota (LCM Pathologists PC Residents) - Extraskelatal chondroma
Texas, Crystal Beach - Osteochondroma
Texas, Lubbock - Chondrosarcoma

Texas (St. Luke's Episcopal Hospital) - Periosteal chondroma
Texas (Scott & White Memorial Hospital Residents) - Chondrosarcoma
Texas, Temple - Enchondroma
Washington (Seattle VAMC) - Chondroma
Washington, DC (Howard University Hospital) - Enchondroma
West Virginia (Greenbrier Valley Medical Center) - Chondroma
Wisconsin, Madison - Enchondroma, consider low-grade chondrosarcoma
Australia (Royal Hobart Hospital) - Low grade chondroid neoplasm, chondroma is the preferred diagnosis depending on the x-ray appearances
Canada (Sherbrooke University Hospital) - Well-differentiated chondrosarcoma
Hong Kong (Hong Kong Baptist Hospital) - Soft tissue chondroma
Hong Kong (PYNEH Residents) - Soft tissue chondroma
Ireland (Kerry General Hospital) - Chondroma
Ireland (University Hospital Galway Residents) - Ossifying chondroma
Japan (Asahi General Hospital) - Periosteal chondroma
Japan (Kyoto University Hospital) - Soft tissue chondroma
Oman - Chondroma
United Kingdom (Oxford Study Group) - Chondrosarcoma
Saudi Arabia (King Abdulaziz Medical Center) - Extraskelatal chondroma

Case 1 - Diagnosis:

Soft tissue chondroma, ankle
 T-Y9500, M-92200

Consultation: Dr. K. Unni, Mayo Clinic: "Soft tissue chondroma".

Case 1 - References:

Hondar WH, Chen W, Lee O, et al. Imaging and Pathological Correlation of Soft Tissue Chondroma. A Serial Five-Case Study and Literature Review. *Clin Imagina* 2006; 30(1):32-36.
 Ozturk A, Yalcinkaya U, Ozkan Y, et al. Tumoral Mass on a Phalangeal Bone in a 19-Year-Old. *Clin Orthop Relat Res* 2007; 458:229-234.
 Papaparaskeva KT and Soucacos PN. Extraskelatal Chondroma of the Foot. *Joint Bone Spine* 2007; 74(3):285-288.
 Buddingh EP, Naumann S, Nelson M, et al. Cytogenetic Findings in Benign Cartilaginous Neoplasms. *Cancer Genet Cytogenet* 2003; 141(2):164-168.
 Pedowitz DI, Reddy SC, Parekh SG, et al. Recurrent Para-Articular Chondroma of the Ankle. A Case Report. *Foot Ankle Int* 2006; 27(3):216-219.
 Walling AK and Gasser SI. Soft-Tissue and Bone Tumors About the Foot and Ankle. *Clin Sports Med* 1994; 13(4):909-938.

Case No. 2, Accession No. 30762

April 2008

Alameda (Alameda County Medical Center) - Adrenal myelolipoma
Arcadia (ABC Laboratories) - Myelolipoma
Fontana (Kaiser Permanente) - Myelolipoma
Glendale - Myelolipoma
Hayward (St. Rose Hospital) - Myelolipoma
Long Beach (Long Beach Veterans Hospital) - Myelolipoma (5)
Long Beach (Long Beach Memorial Hospital) - Adrenal myelolipoma
Mountain View (El Camino Hospital) - Myelolipoma
Oakland - Myelolipoma
Oxnard (St. John's Regional Medical Center) - Myelolipoma (3)
San Diego (Naval Medical Center) - Myelolipoma
San Diego (UCSD Medical Center) - Myelolipoma
San Francisco (SF General Hospital) - Myelolipoma
Santa Barbara - Myelolipoma

Santa Rosa (SR Memorial Hospital) - Myelolipoma (3)
Sonoma - Myelolipoma, adrenal gland
Woodland Hills (So Calif Derm Medical Gp) - Myelolipoma
Alabama (Baptist Medical Center) - Myelolipoma
Alabama (UAB) - Myelolipoma
Colorado, Ft. Collins - Myelolipoma
Colorado (Kaiser Permanente) - Myelolipoma
Florida (Baptist Hospital) - Myelolipoma (2)
Georgia, Decatur - Myelolipoma
Illinois, Burr Ridge - Myelolipoma
Illinois (MacNeal Hospital) - Myelolipoma, adrenal gland
Illinois, Oak Brook - Myelolipoma
Illinois (Loyola University Medical Center) - Myelolipoma
Indiana (St. Joe Hospital) - Myelolipoma
Iowa (Winnebago County Medical Hospital) - Angiomyolipoma
Kansas (Cytocheck Laboratory) - Myelolipoma (1); Angiomyelolipoma (1)
Kentucky (University of Louisville Pathology Residents) - Myelolipoma
Louisiana (Orleans Parish Coroner's Office) - Myelolipoma of adrenal gland
Maryland (Silver Springs) - Myelolipoma
Massachusetts (Tufts Medical Center) - Myelolipoma
Minnesota (Fairview Ridges Hospital) - Myelolipoma
Missouri (Missouri Delta Center) - Myelolipoma
Missouri (Truman Medical Center) - Myelolipoma
Nebraska (Creighton University Medical Center) - Myelolipoma
Nevada (Sunrise Hospital) - Myelolipoma
New Mexico, Albuquerque - Myelolipoma
New York (Erie County Medical Center) - Adrenal myelolipoma
New York (Long Island Jewish Medical Center) - Myelolipoma
New York (Roosevelt Hospital) - Myelolipoma
New York (Stony Brook University Medical Center) - Myelolipoma
New York (SUNY Health Science Center) - Myelolipoma
New York (Westchester Medical Center) - Myelolipoma
Pennsylvania (Drexel University) - Myelolipoma
Pennsylvania (Lehigh Valley Hospital) - Myelolipoma
Pennsylvania (Magee Women's Hospital) - Myelolipoma
Puerto Rico (University of PR) - Myelolipoma
South Dakota (LCM Pathologists PC Residents) - Myelolipoma
Texas, Crystal Beach - Myelolipoma adrenal
Texas, Lubbock - Myelolipoma
Texas (St. Luke's Episcopal Hospital) - Myelolipoma
Texas (Scott & White Memorial Hospital Residents) - Myelolipoma
Texas, Temple - Myelolipoma
Washington (Seattle VAMC) - Myelolipoma
Washington, DC (Howard University Hospital) - Myelolipoma
West Virginia (Greenbrier Valley Medical Center) - Myelolipoma
Wisconsin, Madison - Myelolipoma
Australia (Royal Hobart Hospital) - Adrenal myelolipoma
Canada (Sherbrooke University Hospital) - Myelolipoma
Hong Kong (Hong Kong Baptist Hospital) - Myelolipoma
Hong Kong (PYNEH Residents) - Myelolipoma
Ireland (Kerry General Hospital) - Myelolipoma
Ireland (University Hospital Galway Residents) - Myelolipoma
Japan (Asahi General Hospital) - Myelolipoma
Japan (Kyoto University Hospital) - Myelolipoma
Oman - Myelolipoma
United Kingdom (Oxford Study Group) - Myelolipoma
Saudi Arabia (King Abdulaziz Medical Center) - Myelolipoma

Case 2 - Diagnosis:

Myelolipoma, adrenal
T-93000, M-88700

Case 2 - References:

Bishop E, Eble JN, Cheng L, et al. Adrenal Myelolipomas Show Nonrandom X-Chromosome Inactivation in Hematopoietic Elements and Fat. Support for a Clonal Origin of Myelolipomas. *Am J Surg Pathol* 2006; 30(7):838-843.

Olabatuyi FA and MacLennan GT. Myelolipoma. *J Urol* 2006; 176(3):1188.

Talwalkar SS and Shaheen SP. Extra-Adrenal Myelolipoma in the Renal Hilum. A Case Report and Review of the Literature. *Arch Pathol Lab Med* 2006; 130(7):1049-1052.

Schaeffer EM and Kovoussi LR. Adrenal Myelolipoma. *Urol* 2005; 173(5):1760.

Ctvrtilik F, Herman M, Student V, et al. Differential Diagnosis of Incidentally Detected Adrenal Masses Revealed on Routine Abdominal CT. *Eur J Radiol* 2008.

Case No. 3, Accession No. 30486**April 2008**

Alameda (Alameda County Medical Center) - Liposarcoma, well-differentiated

Arcadia (ABC Laboratories) - Low-grade liposarcoma

Fontana (Kaiser Permanente) - Well-differentiated liposarcoma

Glendale - Well-differentiated liposarcoma

Hayward (St. Rose Hospital) - Well-differentiated liposarcoma (ALN/WDL)

Long Beach (Long Beach Veterans Hospital) - Low-grade (well-differentiated liposarcoma) (5)

Long Beach (Long Beach Memorial Hospital) - Liposarcoma

Mountain View (El Camino Hospital) - Well-differentiated liposarcoma

Oakland - Liposarcoma

Oxnard (St. John's Regional Medical Center) - Low-grade liposarcoma (2); Liposarcoma (1)

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

San Diego (UCSD Medical Center) - Atypical lipomatous tumor/well-differentiated liposarcoma

San Francisco (SF General Hospital) - Liposarcoma

Santa Barbara - Low-grade liposarcoma

Santa Rosa (SR Memorial Hospital) - Well-differentiated liposarcoma (1); Liposarcoma (2)

Sonoma - Liposarcoma, well-differentiated

Woodland Hills (So Calif Derm Medical Gp) - Well-differentiated liposarcoma

Alabama (Baptist Medical Center) - Well-differentiated liposarcoma

Alabama (UAB) - Well-differentiated liposarcoma

Colorado, Ft. Collins - Well-differentiated liposarcoma

Colorado (Kaiser Permanente) - Well-differentiated liposarcoma

Florida (Baptist Hospital) - Liposarcoma (2)

Georgia, Decatur - Well-differentiated liposarcoma

Illinois, Burr Ridge - Liposarcoma, well-differentiated

Illinois (MacNeal Hospital) - Myxoid liposarcoma

Illinois, Oak Brook - Well-differentiated liposarcoma

Illinois (Loyola University Medical Center) - Well-differentiated liposarcoma

Indiana (St. Joe Hospital) - Liposarcoma

Iowa (Winnebago County Medical Hospital) - Liposarcoma

Kansas (Cytocheck Laboratory) - Low-grade liposarcoma (1); Liposarcoma (1)

Kentucky (University of Louisville Pathology Residents) - Well-differentiated liposarcoma with areas of dedifferentiation

Louisiana (Orleans Parish Coroner's Office) - Low-grade liposarcoma

Maryland (Silver Springs) - Liposarcoma
Massachusetts (Tufts Medical Center) - Well-differentiated liposarcoma
Minnesota (Fairview Ridges Hospital) - Liposarcoma, well-differentiated
Missouri (Missouri Delta Center) - Liposarcoma, low-grade
Missouri (Truman Medical Center) - Liposarcoma, well-differentiated
Nebraska (Creighton University Medical Center) - Well-differentiated liposarcoma
Nevada (Sunrise Hospital) - Well-differentiated liposarcoma
New Mexico, Albuquerque - Well-differentiated liposarcoma
New York (Erie County Medical Center) - Atypical lipomatous neoplasm/well-differentiated liposarcoma
New York (Long Island Jewish Medical Center) - Liposarcoma
New York (Roosevelt Hospital) - Liposarcoma
New York (Stony Brook University Medical Center) - Well-differentiated liposarcoma
New York (SUNY Health Science Center) - Myxoid liposarcoma
New York (Westchester Medical Center) - Low-grade liposarcoma
Pennsylvania (Drexel University) - Myxoid liposarcoma
Pennsylvania (Lehigh Valley Hospital) - Well-differentiated liposarcoma
Pennsylvania (Magee Women's Hospital) - Well-differentiated liposarcoma
Puerto Rico (University of PR) - Well-differentiated liposarcoma
South Dakota (LCM Pathologists PC Residents) - Well-differentiated liposarcoma
Texas, Crystal Beach - Atypical lipoma
Texas, Lubbock - Liposarcoma
Texas (St. Luke's Episcopal Hospital) - Well-differentiated liposarcoma
Texas (Scott & White Memorial Hospital Residents) - Well-differentiated liposarcoma
Texas, Temple - Well-differentiated liposarcoma
Washington (Seattle VAMC) - Liposarcoma, well-differentiated and myxoid growth pattern
Washington, DC (Howard University Hospital) - Well-differentiated liposarcoma
West Virginia (Greenbrier Valley Medical Center) - Atypical lipomatous tumor
Wisconsin, Madison - Myxoid liposarcoma
Australia (Royal Hobart Hospital) - Well-differentiated liposarcoma
Canada (Sherbrooke University Hospital) - Well-differentiated liposarcoma
Hong Kong (Hong Kong Baptist Hospital) - Well-differentiated liposarcoma
Hong Kong (PYNEH Residents) - Well-differentiated liposarcoma
Ireland (Kerry General Hospital) - Well-differentiated liposarcoma
Ireland (University Hospital Galway Residents) - Pleomorphic liposarcoma
Japan (Asashi General Hospital) - Well-differentiated liposarcoma
Japan (Kyoto University Hospital) - Liposarcoma, well-differentiated
Oman - Well-differentiated liposarcoma
United Kingdom (Oxford Study Group) - Well-differentiated liposarcoma
Saudi Arabia (King Abdulaziz Medical Center) - Well-differentiated liposarcoma

Case 3 - Diagnosis:

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

Case 3 - References:

- Baldassarre E, Santacroce C, Barone M, et al. Retroperitoneal Well-Differentiated Liposarcoma Presenting as an Incarcerated Inguinal Hernia. *G Chir* 2007; 28:315-317.
 Singer S, Antonescu CR, Riedel E, et al. Histologic Subtype and Margin of Resection Predict Pattern of Recurrence and Survival for Retroperitoneal Liposarcoma. *Ann Surg* 2003; 238(2):358-370.
 Osmanagaoglu MA, Boxkaya H, Ozeren M, et al. Primary Retroperitoneal Liposarcoma. *Eur J Obstet Gynecol Reprod Biol* 2003; 109(2):228-230.

Fabre-Guillevin E, Coindre JM, Somerhausen Nde S, et al. Retroperitoneal Liposarcoma. Follow-Up Analysis of Dedifferentiation After Clinicopathologic Reexamination of 86 Liposarcomas and Malignant Fibrous Histiocytomas. *Cancer* 2006; 106(12):2725-2733.

Case No. 4, Accession No. 30559

April 2008

Alameda (Alameda County Medical Center) - Extra-abdominal fibromatosis
Arcadia (ABC Laboratories) - Low-grade fibrosarcoma
Fontana (Kaiser Permanente) - Fibromatosis
Glendale - Fibromatosis, desmoid type
Hayward (St. Rose Hospital) - Desmoplastic melanoma
Long Beach (Long Beach Veterans Hospital) - Fibromatosis (5)
Long Beach (Long Beach Memorial Hospital) - Fibromatosis
Mountain View (El Camino Hospital) - Aggressive fibromatosis
Oakland - Fibromatosis
Oxnard (St. John's Regional Medical Center) - Fibromatosis (1); Benign fibrous histiocytoma (1); Kaposi's (1)
San Diego (Naval Medical Center) - Extraabdominal fibromatosis (desmoid)
San Diego (UCSD Medical Center) - Aggressive fibromatosis
San Francisco (SF General Hospital) - Desmoid fibromatosis
Santa Barbara - Solitary fibrous tumor
Santa Rosa (SR Memorial Hospital) - Fibromatosis (desmoid tumor) (2); Desmoid tumor (1)
Sonoma - Extra-abdominal fibromatosis
Woodland Hills (So Calif Derm Medical Gp) - Extra-abdominal fibromatosis
Alabama (Baptist Medical Center) - Desmoid
Alabama (UAB) - Fibromatosis
Colorado, Ft. Collins - Desmoid tumor (fibromatosis)
Colorado (Kaiser Permanente) - Fibromatosis
Florida (Baptist Hospital) - Fibromatosis (1); Extra-abdominal fibromatosis (1)
Georgia, Decatur - Fibromatosis
Illinois, Burr Ridge - Nodular fasciitis
Illinois (MacNeal Hospital) - Fibromatosis
Illinois, Oak Brook - Extra-abdominal desmoid
Illinois (Loyola University Medical Center) - Fibromatosis
Indiana (St. Joe Hospital) - Desmoid type fibromatosis
Iowa (Winnebago County Medical Hospital) - Fibrosarcoma
Kansas (Cytocheck Laboratory) - Fibromatosis (1); Cellular leiomyoma (1)
Kentucky (University of Louisville Pathology Residents) - Fibromatosis
Louisiana (Orleans Parish Coroner's Office) - Musculoaponeurotic fibromatosis
Maryland (Silver Springs) - Extra-abdominal fibromatosis
Massachusetts (Tufts Medical Center) - Fibrosarcoma
Minnesota (Fairview Ridges Hospital) - Fibromatosis
Missouri (Missouri Delta Center) - Desmoid (fibromatosis)
Missouri (Truman Medical Center) - Desmoid tumor
Nebraska (Creighton University Medical Center) - Solitary fibrous tumor
Nevada (Sunrise Hospital) - Fibromatosis
New Mexico, Albuquerque - Fibromatosis
New York (Erie County Medical Center) - Extra-abdominal fibromatosis
New York (Long Island Jewish Medical Center) - Fibromatosis
New York (Roosevelt Hospital) - Desmoid
New York (Stony Brook University Medical Center) - Fibromatosis
New York (SUNY Health Science Center) - Fibromatosis (desmoid tumor)
New York (Westchester Medical Center) - Fibromatosis (extra-abdominal desmoid)
Pennsylvania (Drexel University) - Desmoid fibromatosis
Pennsylvania (Lehigh Valley Hospital) - Fibromatosis
Pennsylvania (Magee Women's Hospital) - Fibromatosis

Puerto Rico (University of PR) - Fibromatosis/extrapleural solitary fibrous tumor
South Dakota (LCM Pathologists PC Residents) - Extra-abdominal fibromatosis
Texas, Crystal Beach - Atypical fibrous lesion, benign
Texas, Lubbock - Desmoid tumor
Texas (St. Luke's Episcopal Hospital) - Fibromatosis
Texas (Scott & White Memorial Hospital Residents) - Desmoid
Texas, Temple - Proliferative myositis
Washington (Seattle VAMC) - Fibromatosis
Washington, DC (Howard University Hospital) - Extra-abdominal fibromatosis
West Virginia (Greenbrier Valley Medical Center) - Benign fibrohistiocytoma
Wisconsin, Madison - Extra-abdominal fibromatosis
Australia (Royal Hobart Hospital) - Desmoid-type fibromatosis
Canada (Sherbrooke University Hospital) - Deep fibromatosis
Hong Kong (Hong Kong Baptist Hospital) - Fibromatosis
Hong Kong (PYNEH Residents) - Fibromatosis (desmoid)
Ireland (Kerry General Hospital) - Fibromatosis (desmoid-type)
Ireland (University Hospital Galway Residents) - Fibromatosis
Japan (Asashi General Hospital) - Fibromatosis
Japan (Kyoto University Hospital) - Desmoid tumor (fibromatosis)
Oman - Fibromatosis
United Kingdom (Oxford Study Group) - Fibromatosis
Saudi Arabia (King Abdulaziz Medical Center) - Fibromatosis

Case 4 - Diagnosis:

Fibromatosis (desmoid tumor), chest wall
 T-Y2150, M-76100

Case 4 - References:

Varghese TK, Gupta R, Yeldanda AV, et al. Desmoid Tumor of the Chest Wall with Pleural Involvement. *Ann Thorac Surg* 2003; 76(3):937-939.
 Khanfir K, Guinebratiere JM, et al. Unusual Problems in Breast Cancer and a Rare Lung Cancer Case. Case 2. Aggressive Fibromatosis of the Chest Wall Arising Near a Breast Prosthesis. *J Clin Oncol* 2003; 21(11):2216-2218.
 Abbas Ae, Deschamps C, et al. Chest-Wall Desmoid Tumors. Results of Surgical Intervention. *Ann Thorac Surg* 2004; 78(4):1219-1223.
 Sakamaki Y, Kido T, Yasukawa M, et al. Wide Resection of the Upper Right Hemithorax Combined with Amputation of the Right Arm for a Recurrent Desmoid Tumor. *Jpn J Thorac Cardiovasc Surg* 2006; 54(8):338-341.
 Sorensen A, Keller J, Nielsen OS, et al. Treatment of Aggressive Fibromatosis. A Retrospective Study of 72 Patients Followed for 1-27 Years. *Acta Orthop Scand* 2002; 73(2):213-219.

Case No. 5, Accession No. 30492

April 2008

Alameda (Alameda County Medical Center) - Fibromyosarcoma
Arcadia (ABC Laboratories) - Desmoid tumor with myxoid changes
Fontana (Kaiser Permanente) - Neurofibroma
Glendale - Low-grade fibromyxoid sarcoma
Hayward (St. Rose Hospital) - Extraneural perineurioma vs. low-grade fibromyxoid sarcoma
Long Beach (Long Beach Veterans Hospital) - Schwannoma (5)
Long Beach (Long Beach Memorial Hospital) - Nodular fasciitis
Mountain View (El Camino Hospital) - Low-grade fibromyxoid sarcoma
Oakland - Nodular fasciitis
Oxnard (St. John's Regional Medical Center) - Neurilemmoma (1); Schwannoma (1); Musculoaponeurotic fibroma vs. nerve sheath tumor (1)
San Diego (Naval Medical Center) - Low-grade fibromyxoid sarcoma (Evan's tumor)
San Diego (UCSD Medical Center) - Low-grade fibromyxoid sarcoma
San Francisco (SF General Hospital) - Low-grade fibromyxoid sarcoma
Santa Barbara - Neurofibroma

Santa Rosa (SR Memorial Hospital) - Low-grade fibromyxoid sarcoma (1); Spindle cell tumor, rule out sarcoma (2)
Sonoma - Neurilemoma (schwannoma)
Woodland Hills (So Calif Derm Medical Gp) - Myxoma
Alabama (Baptist Medical Center) - Low-grade fibromyxoid sarcoma
Alabama (UAB) - Low-grade fibromyxoid sarcoma
Colorado, Ft. Collins - Angiomyxofibroma
Colorado (Kaiser Permanente) - Low-grade fibromyxoid sarcoma
Florida (Baptist Hospital) - Low-grade fibromyxoid sarcoma (1); Myxoma, cellular (1)
Georgia, Decatur - Collagenous fibroma
Illinois, Burr Ridge - Fibromatosis
Illinois (MacNeal Hospital) - Low-grade myxofibrosarcoma
Illinois, Oak Brook - Neurofibroma
Illinois (Loyola University Medical Center) - Low-grade fibromyxoid sarcoma
Indiana (St. Joe Hospital) - Low-grade fibromyxoid sarcoma
Iowa (Winnebago County Medical Hospital) - Fibromatosis
Kansas (Cytocheck Laboratory) - Fibromatosis (1); Leiomyoma (1)
Kentucky (University of Louisville Pathology Residents) - Low-grade fibromyxoid sarcoma
Louisiana (Orleans Parish Coroner's Office) - Solitary fibrous tumor
Maryland (Silver Springs) - Extra-abdominal fibromatosis
Massachusetts (Tufts Medical Center) - Myxoid fibrosarcoma
Minnesota (Fairview Ridges Hospital) - Low-grade fibromyxoid sarcoma
Missouri (Missouri Delta Center) - Leiomyoma
Missouri (Truman Medical Center) - Nodular fasciitis
Nebraska (Creighton University Medical Center) - Neurofibroma
Nevada (Sunrise Hospital) - Schwannoma
New Mexico, Albuquerque - Angiofibromyxoma
New York (Erie County Medical Center) - Schwannoma
New York (Long Island Jewish Medical Center) - Benign fibrous lesion favor neurofibroma
New York (Roosevelt Hospital) - Evan's tumor
New York (Stony Brook University Medical Center) - Low-grade fibromyxoid sarcoma
New York (SUNY Health Science Center) - Low-grade fibromyxoid sarcoma
New York (Westchester Medical Center) - Neurofibroma
Pennsylvania (Drexel University) - Neurofibromatosis
Pennsylvania (Lehigh Valley Hospital) - Neurofibroma
Pennsylvania (Magee Women's Hospital) - Low-grade fibromyxoid sarcoma
Puerto Rico (University of PR) - Fibromatosis/leiomyoma
South Dakota (LCM Pathologists PC Residents) - Fibromatosis
Texas, Crystal Beach - Malignant tumor of peripheral nerve (MPNST), early
Texas, Lubbock - Myofibroblastoma
Texas (St. Luke's Episcopal Hospital) - Fibromatosis
Texas (Scott & White Memorial Hospital Residents) - Schwannoma
Texas, Temple - Myxoid neurofibroma
Washington (Seattle VAMC) - Solitary fibrous tumor, low-grade/benign
Washington, DC (Howard University Hospital) - Cellular angiofibroma
West Virginia (Greenbrier Valley Medical Center) - Nodular fasciitis
Wisconsin, Madison - Extra-abdominal fibromatosis
Australia (Royal Hobart Hospital) - Low-grade fibromyxoid sarcoma
Canada (Sherbrooke University Hospital) - Non ossifiant fibromyxoid tumor
Hong Kong (Hong Kong Baptist Hospital) - Low-grade fibromyxoid sarcoma
Hong Kong (PYNEH Residents) - Low-grade fibromyxoid sarcoma
Ireland (Kerry General Hospital) - Fibromatosis
Ireland (University Hospital Galway Residents) - Nodular fasciitis
Japan (Asashi General Hospital) - Neurofibroma
Japan (Kyoto University Hospital) - Low-grade fibromyxoid sarcoma, classical
Oman - Low-grade fibromyxoid sarcoma
United Kingdom (Oxford Study Group) - Low-grade fibromyxoid sarcoma
Saudi Arabia (King Abdulaziz Medical Center) - Neurofibroma

Case 5 - Diagnosis:

Low-grade fibromyxoid sarcoma, thigh/groin
T-Y9100, M-88003

Outside Consultation: Andrew L. Folpe, M.D. Asst. Prof Emory University, Atlanta, Georgia, "Thigh/groin mass, excision: low grade fibromyxoid sarcoma."

Case 5 - References:

Goodlad JR, Mentzel T and Fletcher CD. Low-Grade Fibromyxoid Sarcoma. Clinicopathological Analysis of Eleven New Cases in Support of a Distinct Entity. *Histopathology* 1995; 26(3):229-237.
Guillou L, Benhattar J, Gengler C, et al. Translocation-Positive Low-Grade Fibromyxoid Sarcoma. Clinicopathologic and Molecular Analysis of a Series Expanding the Morphologic Spectrum and Suggesting Potential Relationship to Sclerosing Epithelioid Fibrosarcoma. A Study from the French Sarcoma Group. *Am J Surg Pathol* 2007; 31(9):1387-1402.
Fukunaga M, Ushigome S and Fukunaga N. Low-Grade Fibromyxoid Sarcoma. *Virchows Arch* 1996; 429:301-303.
Ugai K, Kizaki T, Morimoto K, et al. A Case of Low-Grade Fibromyxoid Sarcoma of the Thigh. *Pathol Int* 1994; 44:793-799.

Case No. 6, Accession No. 30594

April 2008

Alameda (Alameda County Medical Center) - Solitary fibrous tumor
Arcadia (ABC Laboratories) - Fibrosarcoma, moderate grade
Fontana (Kaiser Permanente) - DFSP
Glendale - Dermatofibrosarcoma protuberans
Hayward (St. Rose Hospital) - Spindle lipoma
Long Beach (Long Beach Veterans Hospital) - Sarcoma (CD 34 positive) (5)
Long Beach (Long Beach Memorial Hospital) - DFSP
Mountain View (El Camino Hospital) - Dermatofibrosarcoma protuberans
Oakland - Fibrosarcoma, probably DFSP
Oxnard (St. John's Regional Medical Center) - Dermatofibrosarcoma (1); Sarcoma, maybe DFS (1); DFS vs MFH (1)
San Diego (Naval Medical Center) - DFSP
San Diego (UCSD Medical Center) - Fibrosarcoma (fibrosarcomatous DFSP with giant rosettes)
San Francisco (SF General Hospital) - Fibrosarcoma
Santa Barbara - Dermatofibrosarcoma protuberans
Santa Rosa (SR Memorial Hospital) - Dermatofibrosarcoma protuberans (1); Solitary fibrous tumor (2)
Sonoma - Dermatofibrosarcoma protuberans
Woodland Hills (So Calif Derm Medical Gp) - Dermatofibrosarcoma protuberans
Alabama (Baptist Medical Center) - Dermatofibrosarcoma protuberans
Alabama (UAB) - Malignant solitary fibrous tumor
Colorado, Ft. Collins - Solitary fibrous tumor
Colorado (Kaiser Permanente) - DFSP (vs. synovial sarcoma)
Florida (Baptist Hospital) - DFSP (2)
Georgia, Decatur - Dermatofibrosarcoma protuberans
Illinois, Burr Ridge - Dermatofibrosarcoma protuberans
Illinois (MacNeal Hospital) - DFSP
Illinois, Oak Brook - Fibrosarcoma
Illinois (Loyola University Medical Center) - Fibrosarcoma arising in a DFSP
Indiana (St. Joe Hospital) - Dermatofibrosarcoma protuberans (DFSP)
Iowa (Winneshiek County Medical Hospital) - Fibrosarcoma
Kansas (Cytocheck Laboratory) - Solitary fibrous tumor (1); MFH (1)
Kentucky (University of Louisville Pathology Residents) - Solitary fibrous tumor
Louisiana (Orleans Parish Coroner's Office) - Fibrosarcoma
Maryland (Silver Springs) - Adult-type fibrosarcoma low-grade
Massachusetts (Tufts Medical Center) - DFSP
Minnesota (Fairview Ridges Hospital) - Fibrosarcoma (arising from DFSP)
Missouri (Missouri Delta Center) - DFSP (dermatofibrosarcoma protuberans)
Missouri (Truman Medical Center) - DFSP

Nebraska (Creighton University Medical Center) - Dermatofibrosarcoma protuberans (DFSP)
Nevada (Sunrise Hospital) - Hemangiopericytoma/solitary fibrous tumor
New Mexico, Albuquerque - Dermatofibrosarcoma
New York (Erie County Medical Center) - Dermatofibrosarcoma protuberans (DFSP)
New York (Long Island Jewish Medical Center) - Dermatofibrosarcoma protuberans
New York (Roosevelt Hospital) - Fibrosarcoma
New York (Stony Brook University Medical Center) - Dermatofibrosarcoma protuberans
New York (SUNY Health Science Center) - Dermatofibrosarcoma protuberans
New York (Westchester Medical Center) - Solitary fibrous tumor
Pennsylvania (Drexel University) - Dermatofibrosarcoma protuberans
Pennsylvania (Lehigh Valley Hospital) - Malignant solitary fibrous tumor
Pennsylvania (Magee Women's Hospital) - DFSP
Puerto Rico (University of PR) - Dermatofibrosarcoma protuberans with fibrosarcomatous changes/malignant solitary fibrous tumor
South Dakota (LCM Pathologists PC Residents) - Sarcoma, NOS
Texas, Crystal Beach - Dermatofibrosarcoma protuberans
Texas, Lubbock - Dermatofibrosarcoma protuberans
Texas (St. Luke's Episcopal Hospital) - Fibrosarcoma arising in DFSP
Texas (Scott & White Memorial Hospital Residents) - DFSP
Texas, Temple - DFSP
Washington (Seattle VAMC) - Fibrosarcoma, well-differentiated
Washington, DC (Howard University Hospital) - Dermatofibrosarcoma protuberance
West Virginia (Greenbrier Valley Medical Center) - Dermatofibrosarcoma
Wisconsin, Madison - Dermatofibrosarcoma protuberans
Australia (Royal Hobart Hospital) - Dermatofibrosarcoma protuberans
Canada (Sherbrooke University Hospital) - Solitary fibrous tumor
Hong Kong (Hong Kong Baptist Hospital) - Dermatofibrosarcoma protuberans
Hong Kong (PYNEH Residents) - Sarcoma, ddx fibrosarcoma, malignant SFT
Ireland (Kerry General Hospital) - Solitary fibrous tumour
Ireland (University Hospital Galway Residents) - Dermatofibrosarcoma protuberans
Japan (Asashi General Hospital) - Hemangiopericytoma
Japan (Kyoto University Hospital) - Dermatofibrosarcoma protuberans
Oman - Dermatofibrosarcoma protuberance
United Kingdom (Oxford Study Group) - Fibrosarcomatous DFSP (myloid nodules)
Saudi Arabia (King Abdulaziz Medical Center) - Dermatofibrosarcoma protuberans

Case 6- Diagnosis:

Dermatofibrosarcoma protuberans, interscapular
 T-Y1200, M-88323

Case 6 - References:

McArthur G. Molecularly Targeted Treatment for Dermatofibrosarcoma Protuberans. *Semin Oncol* 2004; 31:30-36.
 Labonte S, Hanna W, Bandarchi-Chamkhaleh B, et al. A Study of CD117 Expression in Dermatofibrosarcoma Protuberans and Cellular Dermatofibroma. *J Cutan Pathol* 2007; 34(11):857-860.
 Domanski HA. FNA Diagnosis of Dermatofibrosarcoma Protuberans. *Diagn Cytopathol* 2005; 32(5):299-302.
 Abbott JJ, Oliveira AM, Nascimento AG, et al. The Prognostic Significance of Fibrosarcomatous Transformation in Dermatofibrosarcoma Protuberans. *Am J Surg Pathol* 2006; 30(4):436-443.

Case No. 7, Accession No. 30567

April 2008

Alameda (Alameda County Medical Center) - Sarcoma, NOS
Arcadia (ABC Laboratories) - High grade sarcoma, possible leiomyosarcoma
Fontana (Kaiser Permanente) - MFH
Glendale - Leiomyosarcoma
Hayward (St. Rose Hospital) - Leiomyosarcoma
Long Beach (Long Beach Veterans Hospital) - Leiomyosarcoma (5)

Long Beach (Long Beach Memorial Hospital) - MPNST
Mountain View (El Camino Hospital) - Leiomyosarcoma
Oakland - Sarcoma, favor MPNST, synovial
Oxnard (St. John's Regional Medical Center) - Sarcoma, NOS (3)
San Diego (Naval Medical Center) - Leiomyosarcoma
San Diego (UCSD Medical Center) - Leiomyosarcoma
San Francisco (SF General Hospital) - Sclerosing epithelioid fibrosarcoma
Santa Barbara - Leiomyosarcoma
Santa Rosa (SR Memorial Hospital) - Fibrosarcoma (1); Sarcoma, rule out malignant fibrohistiocytoma or fibrosarcoma (1); Malignant fibrous histiocytoma (1)
Sonoma - Leiomyosarcoma
Woodland Hills (So Calif Derm Medical Gp) - High grade sarcoma, leiomyosarcoma vs. fibrosarcoma vs. other
Alabama (Baptist Medical Center) - Monophasic synovial sarcoma
Alabama (UAB) - High grade sarcoma, favor leiomyosarcoma
Colorado, Ft. Collins - Leiomyosarcoma
Colorado (Kaiser Permanente) - Leiomyosarcoma
Florida (Baptist Hospital) - Spindle cell sarcoma, favor leiomyosarcoma (1); Fibrosarcoma/leiomyosarcoma (1)
Georgia, Decatur - Leiomyosarcoma
Illinois, Burr Ridge - Leiomyosarcoma
Illinois (MacNeal Hospital) - Leiomyosarcoma
Illinois, Oak Brook - High grade sarcoma
Illinois (Loyola University Medical Center) - Leiomyosarcoma
Indiana (St. Joe Hospital) - Fibrosarcoma
Iowa (Winnebago County Medical Hospital) - Fibrosarcoma
Kansas (Cytocheck Laboratory) - Leiomyosarcoma (1); MFH (1)
Kentucky (University of Louisville Pathology Residents) - Leiomyosarcoma
Louisiana (Orleans Parish Coroner's Office) - Malignant fibrous histiocytoma
Maryland (Silver Springs) - Adult fibrosarcoma, high grade
Massachusetts (Tufts Medical Center) - Leiomyosarcoma
Minnesota (Fairview Ridges Hospital) - Leiomyosarcoma
Missouri (Missouri Delta Center) - Sarcoma, NOS
Missouri (Truman Medical Center) - Leiomyosarcoma
Nebraska (Creighton University Medical Center) - Malignant soft tissue sarcoma favor leiomyosarcoma
Nevada (Sunrise Hospital) - Leiomyosarcoma
New Mexico, Albuquerque - Leiomyosarcoma
New York (Erie County Medical Center) - Leiomyosarcoma pending SMA and MSA IHC
New York (Long Island Jewish Medical Center) - High grade sarcoma, need immuno
New York (Roosevelt Hospital) - Leiomyosarcoma
New York (Stony Brook University Medical Center) - Leiomyosarcoma
New York (SUNY Health Science Center) - Leiomyosarcoma, high grade
New York (Westchester Medical Center) - Leiomyosarcoma
Pennsylvania (Drexel University) - Fibrosarcoma
Pennsylvania (Lehigh Valley Hospital) - Leiomyosarcoma
Pennsylvania (Magee Women's Hospital) - Leiomyosarcoma
Puerto Rico (University of PR) - Pleomorphic sarcoma/malignant fibrous histiocytoma
South Dakota (LCM Pathologists PC Residents) - Sarcoma, NOS
Texas, Crystal Beach - Spindle cell neoplasm malignant apparently sarcomatous (leiomyosarcoma)
Texas, Lubbock - Leiomyosarcoma
Texas (St. Luke's Episcopal Hospital) - Spindle cell sarcoma ? synovial sarcoma ? clear cell
Texas (Scott & White Memorial Hospital Residents) - Spindled cell sarcoma, favor MPNST
Texas, Temple - Leiomyosarcoma
Washington (Seattle VAMC) - Solitary fibrous tumor, high grade/malignant
Washington, DC (Howard University Hospital) - Leiomyosarcoma
West Virginia (Greenbrier Valley Medical Center) - Malignant fibrosarcoma
Wisconsin, Madison - Leiomyosarcoma
Australia (Royal Hobart Hospital) - Leiomyosarcoma
Canada (Sherbrooke University Hospital) - High grade undifferentiated sarcoma (leiomyosarcoma?)

Hong Kong (Hong Kong Baptist Hospital) - Leiomyosarcoma
Hong Kong (PYNEH Residents) - MPNST
Ireland (Kerry General Hospital) - Sarcoma ? leiomyosarcoma
Ireland (University Hospital Galway Residents) - High grade sarcoma
Japan (Asashi General Hospital) - Leiomyosarcoma
Japan (Kyoto University Hospital) - Leiomyosarcoma
Oman - Leiomyosarcoma; DDx: Dedifferentiated liposarcoma
United Kingdom (Oxford Study Group) - Leiomyosarcoma
Saudi Arabia (King Abdulaziz Medical Center) - High grade sarcoma favor leiomyosarcoma

Case 7 - Diagnosis:

Leiomyosarcoma, groin
 T-Y7000, M-88903

Case 7 - References:

Skubitz KM and Skubitz AP. Differential Gene Expression in Leiomyosarcoma. *Cancer* 2003; 98(5):1029-1038.
 Papachristou DJ, Gkretsi V, Tu Y, et al. Increased Cytoplasmic Level of Migfilin is Associated with Higher Grades of Human Leiomyosarcoma. *Histopathol* 2007; 51(4):499-508.
 Mankin HJ, Casas-Ganem J, Kim JI, et al. Leiomyosarcoma of Somatic Soft Tissues. *Clin Orthop Relat Res* 2004; (421):225-231.
 Massi D, Beltrami G, Mela MM, et al. Prognostic Factors in Soft Tissue Leiomyosarcoma of the Extremities. A Retrospective Analysis of 42 Cases. *Eur J Surg Oncol* 2004; 30(5):565-572.

Case No. 8, Accession No. 30489

April 2008

Alameda (Alameda County Medical Center) - Adult pleomorphic rhabdomyosarcoma
Arcadia (ABC Laboratories) - High grade rhabdomyosarcoma
Fontana (Kaiser Permanente) - Rhabdomyosarcoma
Glendale - Pleomorphic rhabdomyosarcoma
Hayward (St. Rose Hospital) - Rhabdomyosarcoma
Long Beach (Long Beach Veterans Hospital) - Rhabdomyosarcoma (5)
Long Beach (Long Beach Memorial Hospital) - Rhabdomyosarcoma
Mountain View (El Camino Hospital) - Pleomorphic rhabdomyosarcoma
Oakland - Sarcoma, rhabdomyosarcoma
Oxnard (St. John's Regional Medical Center) - Rhabdomyosarcoma (3)
San Diego (Naval Medical Center) - Pleomorphic rhabdomyosarcoma
San Diego (UCSD Medical Center) - Pleomorphic rhabdomyosarcoma
San Francisco (SF General Hospital) - Pleomorphic rhabdomyosarcoma
Santa Barbara - Rhabdomyosarcoma
Santa Rosa (SR Memorial Hospital) - Pleomorphic rhabdomyosarcoma (1); Sarcoma, rhabdomyosarcoma vs. leiomyosarcoma (1); Rhabdomyosarcoma (1)
Sonoma - Pleomorphic rhabdomyosarcoma
Woodland Hills (So Calif Derm Medical Gp) - Pleomorphic rhabdomyosarcoma
Alabama (Baptist Medical Center) - Pleomorphic rhabdomyosarcoma
Alabama (UAB) - Pleomorphic rhabdomyosarcoma
Colorado, Ft. Collins - Rhabdomyosarcoma
Colorado (Kaiser Permanente) - Pleomorphic rhabdomyosarcoma
Florida (Baptist Hospital) - Rhabdomyosarcoma
Georgia, Decatur - Pleomorphic rhabdomyosarcoma
Illinois, Burr Ridge - Pleomorphic rhabdomyosarcoma
Illinois (MacNeal Hospital) - Rhabdomyosarcoma
Illinois, Oak Brook - Pleomorphic rhabdomyosarcoma
Illinois (Loyola University Medical Center) - Pleomorphic rhabdomyosarcoma
Indiana (St. Joe Hospital) - Pleomorphic rhabdomyosarcoma
Iowa (Winneshiek County Medical Hospital) - Rhabdomyosarcoma
Kansas (Cytocheck Laboratory) - Rhabdomyosarcoma (1); Malignant histiocytosis (1)
Kentucky (University of Louisville Pathology Residents) - Pleomorphic rhabdomyosarcoma

Louisiana (Orleans Parish Coroner's Office) - Pleomorphic rhabdomyosarcoma
Maryland (Silver Springs) - Pleomorphic rhabdomyosarcoma
Massachusetts (Tufts Medical Center) - Rhabdomyosarcoma
Minnesota (Fairview Ridges Hospital) - Rhabdomyosarcoma, pleomorphic
Missouri (Missouri Delta Center) - Osteosarcoma
Missouri (Truman Medical Center) - Rhabdomyosarcoma, pleomorphic
Nebraska (Creighton University Medical Center) - Pleomorphic rhabdomyosarcoma
Nevada (Sunrise Hospital) - Pleomorphic rhabdomyosarcoma
New Mexico, Albuquerque - Pleomorphic rhabdomyosarcoma
New York (Erie County Medical Center) - Pleomorphic rhabdomyosarcoma
New York (Long Island Jewish Medical Center) - Pleomorphic rhabdomyosarcoma
New York (Roosevelt Hospital) - Pleomorphic rhabdomyosarcoma
New York (Stony Brook University Medical Center) - Pleomorphic rhabdomyosarcoma
New York (SUNY Health Science Center) - Pleomorphic rhabdomyosarcoma
New York (Westchester Medical Center) - Pleomorphic rhabdomyosarcoma
Pennsylvania (Drexel University) - Polymorphic rhabdomyosarcoma
Pennsylvania (Lehigh Valley Hospital) - Pleomorphic rhabdomyosarcoma
Pennsylvania (Magee Women's Hospital) - Pleomorphic rhabdomyosarcoma
Puerto Rico (University of PR) - Pleomorphic rhabdomyosarcoma
South Dakota (LCM Pathologists PC Residents) - Rhabdomyosarcoma
Texas, Crystal Beach - Rhabdomyosarcoma, likely pleomorphic
Texas, Lubbock - Rhabdomyosarcoma
Texas (St. Luke's Episcopal Hospital) - Pleomorphic rhabdomyosarcoma
Texas (Scott & White Memorial Hospital Residents) - Pleomorphic rhabdomyosarcoma
Texas, Temple - Pleomorphic rhabdomyosarcoma
Washington (Seattle VAMC) - Rhabdomyosarcoma, pleomorphic growth pattern
Washington, DC (Howard University Hospital) - Pleomorphic rhabdomyosarcoma
West Virginia (Greenbrier Valley Medical Center) - Rhabdomyosarcoma
Wisconsin, Madison - Alveolar rhabdomyosarcoma
Australia (Royal Hobart Hospital) - Pleomorphic rhabdomyosarcoma
Canada (Sherbrooke University Hospital) - Rhabdomyosarcoma (pleomorphic type)
Hong Kong (Hong Kong Baptist Hospital) - Pleomorphic rhabdomyosarcoma
Hong Kong (PYNEH Residents) - Pleomorphic rhabdomyosarcoma
Ireland (Kerry General Hospital) - Pleomorphic rhabdomyosarcoma
Ireland (University Hospital Galway Residents) - Alveolar rhabdomyosarcoma
Japan (Asashi General Hospital) - Pleomorphic rhabdomyosarcoma
Japan (Kyoto University Hospital) - Pleomorphic rhabdomyosarcoma
Oman - Pleomorphic rhabdomyosarcoma
United Kingdom (Oxford Study Group) - Pleomorphic rhabdomyosarcoma
Saudi Arabia (King Abdulaziz Medical Center) - Pleomorphic rhabdomyosarcoma

Case 8 - Diagnosis:

Pleomorphic rhabdomyosarcoma, leg
 T-Y9400, M-89013

Case 8 - References:

- Nascimento AF and Fletcher CD. Spindle Cell Rhabdomyosarcoma in Adults. *Am J Surg Pathol* 2005; 29(8):1106-1113.
 Croes R, Debiec-Rychter M, Cokelaere K, et al. Adult Sclerosing Rhabdomyosarcoma. Cytogenetic Link with Embryonal Rhabdomyosarcoma. *Virchows Arch* 2005; 446(1):64-67.
 Komdeur R, Klunder J, et al. Multidrug Resistance Proteins in Rhabdomyosarcomas. Comparison Between Children and Adults. *Cancer* 2003; 97(8):1999-2005.
 Rajaram V, Hill DA, Doherty GM, et al. Pleomorphic Rhabdomyosarcoma of the Anterior Abdominal Wall Following Multimodality Treatment for Carcinoma of the Rectum. *Int J Surg Pathol* 2004; 12(2):161-165.
 Ferrari A, dileo P, Casanova M, et al. Rhabdomyosarcoma in Adults. A Retrospective Analysis of 171 Patients Treated at a Single Institution. *Cancer* 2003; 98(3):571-580.
 Chen KT. Rhabdomyosarcoma in an Adult Presenting with Nodal Metastasis. A Pitfall in Fine-Needle Aspiration Cytology of Lymph Nodes. *Diagn Cytopathol* 2005; 32(5):303-306.

Alameda (Alameda County Medical Center) - Malignant peripheral nerve sheath tumor
Arcadia (ABC Laboratories) - High grade sarcoma, NOS
Fontana (Kaiser Permanente) - MFH
Glendale - Malignant PNST
Hayward (St. Rose Hospital) - MPNST
Long Beach (Long Beach Veterans Hospital) - Malignant peripheral nerve sheath tumor (5)
Long Beach (Long Beach Memorial Hospital) - MPNST
Mountain View (El Camino Hospital) - Undifferentiated sarcoma
Oakland - MPNST
Oxnard (St. John's Regional Medical Center) - Neurofibrosarcoma (2)
San Diego (Naval Medical Center) - High grade pleomorphic sarcoma, favor MPNST
San Diego (UCSD Medical Center) - Pleomorphic undifferentiated sarcoma, MPNST
San Francisco (SF General Hospital) - Myxoid malignant fibrous histiocytoma
Santa Barbara - Malignant peripheral nerve sheath tumor
Santa Rosa (SR Memorial Hospital) - Malignant peripheral nerve sheath tumor (1); Sarcoma, rule out neurofibrosarcoma or liposarcoma (1); Neurofibrosarcoma (1)
Sonoma - MFH
Woodland Hills (So Calif Derm Medical Gp) - High grade sarcoma, favor malignant peripheral nerve sheath tumor
Alabama (Baptist Medical Center) - Malignant peripheral nerve sheath tumor
Alabama (UAB) - High grade sarcoma, favor malignant peripheral nerve sheath tumor
Colorado, Ft. Collins - Malignant peripheral nerve sheath tumor
Colorado (Kaiser Permanente) - High grade sarcoma, MFH
Florida (Baptist Hospital) - MFH (2)
Georgia, Decatur - Pleomorphic sarcoma, favor MPNST
Illinois, Burr Ridge - Neurofibrosarcoma
Illinois (MacNeal Hospital) - Malignant peripheral nerve sheath tumor
Illinois, Oak Brook - Malignant fibrous histiocytoma
Illinois (Loyola University Medical Center) - Malignant peripheral nerve sheath tumor
Indiana (St. Joe Hospital) - Pleomorphic/storiform MFH
Iowa (Winneshiek County Medical Hospital) - Neurogenic sarcoma
Kansas (Cytocheck Laboratory) - High grade sarcoma (MFH) (1); Sarcoma, angio (1)
Kentucky (University of Louisville Pathology Residents) - Malignant peripheral nerve sheath tumor
Louisiana (Orleans Parish Coroner's Office) - Malignant peripheral nerve sheath tumor
Maryland (Silver Springs) - Malignant peripheral nerve sheath tumor
Massachusetts (Tufts Medical Center) - MPNST
Minnesota (Fairview Ridges Hospital) - Malignant peripheral nerve sheath tumor
Missouri (Missouri Delta Center) - Neurofibrosarcoma
Missouri (Truman Medical Center) - MPNST
Nebraska (Creighton University Medical Center) - Malignant peripheral nerve sheath tumor (MPNST)
Nevada (Sunrise Hospital) - Malignant peripheral nerve sheath tumor
New Mexico, Albuquerque - Neurofibrosarcoma
New York (Erie County Medical Center) - Malignant fibrous histiocytoma vs. MPNST
New York (Long Island Jewish Medical Center) - Malignant peripheral nerve sheath tumor
New York (Roosevelt Hospital) - Malignant peripheral nerve sheath tumor
New York (Stony Brook University Medical Center) - Malignant peripheral nerve sheath tumor
New York (SUNY Health Science Center) - Malignant peripheral nerve sheath tumor
New York (Westchester Medical Center) - Malignant peripheral nerve sheath tumor
Pennsylvania (Drexel University) - MPNST
Pennsylvania (Lehigh Valley Hospital) - MPNST
Pennsylvania (Magee Women's Hospital) - MPNST
Puerto Rico (University of PR) - Myxoid malignant fibrous histiocytoma/malignant peripheral nerve sheath tumor
South Dakota (LCM Pathologists PC Residents) - Sarcoma, NOS
Texas, Crystal Beach - MFH with histiocytic features
Texas, Lubbock - Neurofibrosarcoma
Texas (St. Luke's Episcopal Hospital) - Favor malignant peripheral nerve sheath tumor

Texas (Scott & White Memorial Hospital Residents) - MPNST
Texas, Temple - Malignant peripheral nerve sheath tumor (MPNST)
Washington (Seattle VAMC) - Malignant peripheral nerve sheath tumor/sarcoma
Washington, DC (Howard University Hospital) - Pleomorphic undifferentiated sarcoma (MFH)
West Virginia (Greenbrier Valley Medical Center) - Fibrosarcoma
Wisconsin, Madison - Malignant peripheral nerve sheath tumor
Australia (Royal Hobart Hospital) - Malignant peripheral nerve sheath tumor
Canada (Sherbrooke University Hospital) - High grade undifferentiated sarcoma (dedifferentiated liposarcoma?)
Hong Kong (Hong Kong Baptist Hospital) - Malignant peripheral nerve sheath tumor
Hong Kong (PYNEH Residents) - MPNST
Ireland (Kerry General Hospital) - Malignant peripheral nerve sheath tumour
Ireland (University Hospital Galway Residents) - Malignant peripheral nerve sheath tumor with focal epithelioid differentiation
Japan (Asashi General Hospital) - Malignant fibrous histiocytoma, giant cell type
Japan (Kyoto University Hospital) - High grade pleomorphic sarcoma (MPNST?)
Oman - Malignant fibrous histiocytoma
United Kingdom (Oxford Study Group) - Malignant peripheral nerve sheath tumor
Saudi Arabia (King Abdulaziz Medical Center) - High grade sarcoma consistent with malignant peripheral nerve sheath tumor

Case 9 - Diagnosis:

Malignant peripheral nerve sheath tumor, leg **Director's note:** The patient has neurofibromatosis (NF1).
 (drc)

T-Y4100, M-87700

Case 9 - References:

Tucker T, Wolkenstein P, Revuz J, Zeller J, et al. Association Between Benign and Malignant Peripheral Nerve Sheath Tumors in NF1. *Neurology* 2005; 65(2):205-211.
 Gupta K, Dey P, Vashisht R, et al. Fine-Needle Aspiration Cytology of Malignant Peripheral Nerve Sheath Tumors. *Diagn Cytopathol* 2004; 31(1):1-4.
 Zhou H, Coffin CM, Perkins SL, et al. Malignant Peripheral Nerve Sheath Tumor. A Comparison of Grade, Immunophenotype, and Cell Cycle/Growth Activation Marker Expression in Sporadic and Neurofibromatosis 1-Related Lesions. *Am J Surg Pathol* 2003; 27(10):1337-1345.
 Baehring JM, Betensky RA, Batchelor TT, et al. Malignant Peripheral Nerve Sheath Tumor. The Clinical Spectrum and Outcome of Treatment. *Neurology* 2003; 61(5):696-698.

Case No. 10, Accession No. 30551

April 2008

Alameda (Alameda County Medical Center) - Epithelioid angiosarcoma
Arcadia (ABC Laboratories) - Pulmonary blastoma
Fontana (Kaiser Permanente) - Chondrosarcoma
Glendale - Epithelioid hemangioendothelioma
Hayward (St. Rose Hospital) - Epithelioid angiosarcoma
Long Beach (Long Beach Veterans Hospital) - Angiosarcoma (epithelioid) (5)
Long Beach (Long Beach Memorial Hospital) - Hemangioendothelioma
Mountain View (El Camino Hospital) - Epithelioid hemangioendothelioma
Oakland -Deciduoid mesothelioma vs. hemangioendothelioma
Oxnard (St. John's Regional Medical Center) - Desmoplastic small round cell tumor ? (1); Chondrosarcoma (1); Sarcoma (rhabdoid tumor) vs. Ewing's sarcoma (1)
San Diego (Naval Medical Center) - Malignant epithelioid hemangioendothelioma
San Diego (UCSD Medical Center) - Epithelioid hemangioendothelioma
San Francisco (SF General Hospital) - Pulmonary pseudotumor with immunoblastic differentiation
Santa Barbara - Granulosa cell tumor
Santa Rosa (SR Memorial Hospital) - Epithelioid hemangioendothelioma (1); Osteosarcoma (2)
Sonoma - Epithelioid angiosarcoma

Woodland Hills (So Calif Derm Medical Gp) - Epithelioid hemangioendothelioma
Alabama (Baptist Medical Center) - Angiosarcoma
Alabama (UAB) - Epithelioid angiosarcoma
Colorado, Ft. Collins - Chondrosarcoma
Colorado (Kaiser Permanente) - Epithelioid hemangioendothelioma
Florida (Baptist Hospital) - Extraskelatal myxoid chondrosarcoma (2)
Georgia, Decatur - Epithelioid hemangioendothelioma
Illinois, Burr Ridge - Mesothelioma
Illinois (MacNeal Hospital) - Hemangioendothelioma
Illinois, Oak Brook - Epithelioid hemangioendothelioma
Illinois (Loyola University Medical Center) - Histiocytoid mesothelioma
Indiana (St. Joe Hospital) - Epithelioid hemangioendothelioma
Iowa (Winnebago County Medical Hospital) - Osteosarcoma
Kansas (Cytocheck Laboratory) - Angiosarcoma (1); Metastatic carcinoma (1)
Kentucky (University of Louisville Pathology Residents) - Epithelioid angiosarcoma
Louisiana (Orleans Parish Coroner's Office) - Epithelioid hemangioendothelioma
Maryland (Silver Springs) - Epithelioid hemangioendothelioma
Massachusetts (Tufts Medical Center) - Sarcoma
Minnesota (Fairview Ridges Hospital) - Epithelioid hemangioendothelioma
Missouri (Missouri Delta Center) - Chondrosarcoma
Missouri (Truman Medical Center) - Epithelioid hemangioendothelioma
Nebraska (Creighton University Medical Center) - Extra medullary plasmacytoma
Nevada (Sunrise Hospital) - Epithelioid hemangioendothelioma
New Mexico, Albuquerque - Epithelioid hemangioendothelioma
New York (Erie County Medical Center) - High grade sarcoma with vascular and cartilaginous differentiation
New York (Long Island Jewish Medical Center) - Epithelioid hemangioendothelioma
New York (Roosevelt Hospital) - Epithelioid hemangioendothelioma
New York (Stony Brook University Medical Center) - Epithelioid angiosarcoma
New York (SUNY Health Science Center) - Epithelioid hemangioendothelioma
New York (Westchester Medical Center) - Inflammatory myofibroblastic tumor
Pennsylvania (Drexel University) - Epithelioid angiosarcoma
Pennsylvania (Lehigh Valley Hospital) - Epithelioid angiosarcoma
Pennsylvania (Magee Women's Hospital) - Angiosarcoma
Puerto Rico (University of PR) - Epithelioid hemangioendothelioma
South Dakota (LCM Pathologists PC Residents) - Sarcoma
Texas, Crystal Beach - Epithelial hemangioendothelioma
Texas, Lubbock - Chondrosarcoma
Texas (St. Luke's Episcopal Hospital) - Epithelioid angiosarcoma
Texas (Scott & White Memorial Hospital Residents) - Epithelioid hemangioendothelioma (intravascular bronchioloalveolar tumor)
Texas, Temple - Epithelioid hemangioendothelioma vs. mesothelioma
Washington (Seattle VAMC) - Angiosarcoma, epithelioid growth pattern
Washington, DC (Howard University Hospital) - Epithelioid angiosarcoma
West Virginia (Greenbrier Valley Medical Center) - Angiosarcoma
Wisconsin, Madison - Granulocytic sarcoma
Australia (Royal Hobart Hospital) - Epithelioid hemangioendothelioma
Canada (Sherbrooke University Hospital) - Angiosarcoma
Hong Kong (Hong Kong Baptist Hospital) - Pulmonary epithelioid hemangioendothelioma
Hong Kong (PYNEH Residents) - Epithelioid hemangioepithelioma
Ireland (Kerry General Hospital) - Epithelioid hemangioendothelioma
Ireland (University Hospital Galway Residents) - Epithelioid angiosarcoma
Japan (Asahi General Hospital) - Epithelioid hemangioendothelioma
Japan (Kyoto University Hospital) - Malignant mesothelioma
Oman - Epithelioid hemangioendothelioma
United Kingdom (Oxford Study Group) - Epithelioid hemangioendothelioma
Saudi Arabia (King Abdulaziz Medical Center) - Malignant inflammatory myofibroblastic tumor

Case 10 - Diagnosis:

Epithelioid angiosarcoma, lung
T-28000, M-91203

Outside Consultation: Mayo clinic: “Angiosarcoma with both epithelioid and sarcomatoid features.”

Case 10 - References:

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