



CALIFORNIA
TUMOR TISSUE REGISTRY

SOFT TISSUE PATHOLOGY

Minutes – Subscription A

April 2010



SUGGESTED READING (General Topics from Recent Literature):

Distribution of HPV genotypes in 282 women with cervical lesions: evidence for three categories of intraepithelial lesions based on morphology and HPV type. Zuna RE, Allen RA, et al. *Mod Pathol* 2007; 20(2):167-174.
Microscopic colitis: an update. Tangri V and Chande N. *Clin Gastroenterol* 2009; 43(4):293-296.
Cancer risks in ulcerative colitis patients. Hamminki K, Li X, et al. *Int J Cancer* 2008; 123(6):1417-1421.
Occupational injuries in a pathology residency program. Kubiczek P, Lanona M, Mellen PF. *Arch Pathol Lab Med* 2006; 130(2):146-147.
An approach to the classification of spindle cell proliferations in the urinary bladder. McKenney JK. *Adv Anat Pathol* 2005; 12(6):312-323.
Contralateral prophylactic mastectomy: quantifying benefits and weighing the harms. Helzisouer KJ. *J Clin Oncol* 2005; 23(19):4251-4253.

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FILE DIAGNOSES

CTTR Subscription A

April 2010

Case 1:

Solitary fibrous tumor (hemangiopericytoma), thigh
T-Y9100, M-91501

Case 2:

Collagenous fibroma (desmoplastic fibroma), hip
T-Y1500, M-88231

Case 3:

Spindle cell sarcoma, favor fibrosarcoma, back
T-Y1100, M-88103

Case 4:

Leiomyosarcoma, retroperitoneum
T-Y4600, M-88903

Case 5:

Alveolar soft part sarcoma, thigh
T-Y9100, M-95813

Case 6:

Kaposi sarcoma, lung
T-28000, M-91403

Case 7:

Rhabdomyosarcoma with embryonal and alveolar features, epididymis and testis
T-79100, M-89003

Case 8:

Well-differentiated liposarcoma, abdomen
T-17340, M-88503

Case 9:

Dedifferentiated liposarcoma, chest wall
T-Y1250, M-88513

Case 10:

Pleomorphic sarcoma (nos), chest wall
T-Y2150, M-88023

Alameda (Alameda County Medical Center) - Solitary fibrous tumor/hemangiopericytoma
Fontana (Kaiser Permanente) - Hemangiopericytoma
Hayward/Fremont (St. Rose Hospital) - Solitary fibrous tumor
Long Beach (Long Beach Veterans Medical Center) - Hemangiopericytoma vs. circumscribed nodular fasciitis
Oakland (Kaiser Permanente) - Hemangiopericytoma/solitary fibrous tumor
Orange (Orange County Pathology Medical Group) - Giant cell rich osteosarcoma
Oxnard (St. John's Regional Medical Center) - Deep benign fibrous histiocytoma (2); Fibromatosis, nodular fasciitis

(1)

San Diego (Naval Medical Center) - Solitary fibrous tumor
Santa Barbara (Miramonte Laboratory) - Hemangiopericytoma
Woodland Hills - Solitary fibrous tumor
Colorado (McKee Medical Center) - Small vessel intramuscular hemangioma
Florida (Naples Pathology Associates) - Hemangiopericytoma
Florida (Tallahassee Pathology Associates) - Proliferative fasciitis
Georgia, Atlanta - Synovial sarcoma
Illinois, Burr Ridge - Hemangiopericytoma
Illinois, Chicago - Nodular fasciitis (2)
Illinois (Heartland Regional Medical Center) - Hemangiopericytoma
Illinois (MacNeal Hospital) - Low grade fibromyxoid sarcoma, thigh
Illinois (Adventist Glen Oaks Hospital) - Hemangiopericytoma
Illinois (St. Mary's Hospital) - Benign fibrous histiocytoma
Illinois, Wilmette - Nodular fasciitis
Kansas (Cytocheck Laboratory) - Fibrous histiocytoma, deep benign
Louisiana (LSUHSC) - Hemangiopericytoma
Minnesota (Fairview Ridges Hospital) - Solitary fibrous tumor/hemangiopericytoma
Missouri (Missouri Delta Medical Center) - Solitary fibrous tumor consistent with myxoid
Nebraska (Creighton University Medical Center) - Cellular hemangioma
New York (Erie County Medical Center) - Hemangiopericytoma/solitary fibrous tumor
New York (Long Island Jewish Medical Center) - Hemangiopericytoma vs. rule out low grade fibromyxoid sarcoma
and solitary fibrous tumor
New York (St. Luke's Roosevelt Hospital) - Solitary fibrous tumor
New York (SUNY Downstate Medical Center) - Solitary fibrous tumor, angiomatous fibrous histiocytoma, nodular
fasciitis
New York (SUNY Stony Brook) - Solitary fibrous tumor
Ohio, Columbus - Neurofibroma
Ohio (The University of Toledo) - Intramuscular hemangioma, small vessel (capillary) type
Ohio, Union Town - Nodular fasciitis
Pennsylvania (Conemaugh Memorial Hospital) - Solitary fibrous tumor
Pennsylvania (Drexel University) - Solitary fibrous tumor
Pennsylvania (Lehigh Valley Hospital) - Solitary fibrous tumor
Pennsylvania (Magee Women's Hospital) - Solitary fibrous tumor
Pennsylvania (York Hospital) - Hemangiopericytoma/solitary fibrous tumor
Puerto Rico (University of Puerto Rico) - Nodular fasciitis
Texas (Carl R. Darnall Army Medical Center) - Hemangiopericytoma
Texas, Crystal Beach - Fibrous histiocytoma
Texas, Lubbock - Nodular fasciitis
Texas, San Antonio - Solitary fibrous tumor
Washington, (Seattle Veterans Hospital) - Mostly spindle cell neoplasm, possible synovial sarcoma
West Virginia (Greenbrier Valley Medical Center) - Nodular fasciitis
Australia (Royal Hobart Hospital) - Solitary fibrous tumor
Australia (Royal Prince Alfred Hospital) - Solitary fibrous tumor
Australia (St. Vincent's Hospital, Sydney) - Solitary fibrous tumor
Australia (Sullivan Nicolaides Pathology) - Solitary fibrous tumor
Canada (University of Sherbrooke) - Solitary fibrous tumor
Ireland (Kerry General Hospital) - Solitary fibrous tumor

Japan (Asahi General Hospital) - Hemangiopericytoma
Japan (Shizuoka Toshimitsu Hospital) - Nodular fasciitis
Japan (University of Yamanashi) - Solitary fibrous tumor
The Netherlands, Amstelveen - Solitary fibrous tumor

Case 1 - Diagnosis:

Solitary fibrous tumor (hemangiopericytoma), thigh
T-Y9100, M-91501

Case 1 - References:

Solitary fibrous tumour and haemangiopericytoma: evolution of a concept. Gengler C, Guillou L, *Histopathology* 2006; 48(1):63-74.
The evolving classification of soft tissue tumours: an update based on the new WHO classification. Fletcher CD. *Histopathology* 2006; 48(1):3-12.
New insights into the hemangiopericytoma/solitary fibrous tumor spectrum of tumors. Park MS and Araujo DM. *Curr Opin Oncol* 2009; 21(4):327-331.
Malignant tumor of blood vessels: angiosarcomas, hemangioendotheliomas, and hemangiopericytomas. Koch M, Nielsen GP and Yoon SS. *J Surg Oncol* 2008; 97(4):321-329.
Lipomatous hemangiopericytoma: a fat-containing variant of solitary fibrous tumor? Clinicopathologic, immunohistochemical, and ultrastructural analysis of a series in favor of a unifying concept. Guillou L, Gebhard S, and Conidre JM. *Hum Pathol* 200; 31(9):1108-1115.
Conventional hemangiopericytoma: modern analysis of outcome. Espat NJ, Lewis JJ, et al. *Cancer* 2002; 95(8):1746-1751.

Case No. 2, Accession No. 27751

April 2010

Alameda (Alameda County Medical Center) - Desmoplastic fibroblastoma
Fontana (Kaiser Permanente) - Collagenous fibroma
Hayward/Fremont (St. Rose Hospital) - Collagenoma
Long Beach (Long Beach Veterans Medical Center) - Collagenous fibroma/ischemia
Oakland (Kaiser Permanente) - Collagenous fibroma
Orange (Orange County Pathology Medical Group) - Seminoma
Oxnard (St. John's Regional Medical Center) - Desmoplastic fibroblastoma (1); fibroma (1); elastofibroma (1)
San Diego (Naval Medical Center) - Desmoplastic fibroblastoma
Santa Barbara (Miramonte Laboratory) - Elastofibroma
Woodland Hills - Fibroma/collagenoma
Colorado (McKee Medical Center) - Juxta articular myxoma
Florida (Naples Pathology Associates) - Collagenous fibroma
Florida (Tallahassee Pathology Associates) - Desmoplastic fibroblastoma
Georgia, Atlanta - Collagenous fibroma
Illinois, Burr Ridge - Myxoma, intramuscular
Illinois, Chicago - Spindle cell lipoma (2)
Illinois (Heartland Regional Medical Center) - Collagen fibroma (desmoplastic fibroblastoma)
Illinois (MacNeal Hospital) - Neurofibroma vs. myxoma, hip
Illinois (Adventist Glen Oaks Hospital) - Collagenous fibroma
Illinois (St. Mary's Hospital) - Myxoma
Illinois, Wilmette - Juxta-articular myxoma/fibroma
Kansas (Cytocheck Laboratory) - Desmoplastic fibroblastoma
Louisiana (LSUHSC) - Elastofibroma
Minnesota (Fairview Ridges Hospital) - Collagenous fibroma
Missouri (Missouri Delta Medical Center) - Myxoma consistent with degeneration
Nebraska (Creighton University Medical Center) - Desmoplastic fibroblastoma
New York (Erie County Medical Center) - Inclusion body fibromatosis
New York (Long Island Jewish Medical Center) - Collagenous fibroma
New York (St. Luke's Roosevelt Hospital) - Desmoplastic fibroblastoma/neurofibroma

New York (SUNY Downstate Medical Center) - Elastofibroma, collagenous fibroma
New York (SUNY Stony Brook) - Elastofibroma
Ohio, Columbus - Ganglioneuroma
Ohio (The University of Toledo) - Desmoplastic fibroblastoma (collagenous fibroma)
Ohio, Union Town - Collagenoma
Pennsylvania (Conemaugh Memorial Hospital) - Collagenous neurofibroma DDx: Collagenous fibroma
Pennsylvania (Drexel University) - Desmoplastic fibroblastoma
Pennsylvania (Lehigh Valley Hospital) - Desmoplastic fibroblastoma
Pennsylvania (Magee Women's Hospital) - Tendon sheath fibroma
Pennsylvania (York Hospital) - Desmoplastic fibroblastoma
Puerto Rico (University of Puerto Rico) - Desmoplastic fibroblastoma
Texas (Carl R. Darnall Army Medical Center) - Desmoplastic fibroblastoma (collagenous fibroma)
Texas, Crystal Beach - Elastofibroma
Texas, Lubbock - Ischemic fasciitis
Texas, San Antonio - Collagenous fibroma
Washington, (Seattle Veterans Hospital) - Non-neoplastic fibrosis/fibroma
West Virginia (Greenbrier Valley Medical Center) - Fibromatosis
Australia (Royal Hobart Hospital) - Desmoplastic fibroblastoma (collagenous fibroma)
Australia (Royal Prince Alfred Hospital) - Collagenous fibroma
Australia (St. Vincent's Hospital, Sydney) - Collagenous fibroma
Australia (Sullivan Nicolaides Pathology) - Desmoplastic fibroma
Canada (University of Sherbrooke) - Desmoplastic fibroma (collagenous fibroma)
Ireland (Kerry General Hospital) - Desmoplastic fibroblastoma
Japan (Asahi General Hospital) - Desmoplastic fibroblastoma
Japan (Shizuoka Toshimitsu Hospital) - Desmoplastic fibroblastoma
Japan (University of Yamanashi) - Fibroma
The Netherlands, Amstelveen - Myxoma

Case 2 - Diagnosis:

Collagenous fibroma (desmoplastic fibroma), hip
 T-Y1500, M-88231

Case 2 - References:

Desmoplastic fibroblastoma: a light and ultrastructural description of two cases. Alberghini M, Pasquinelli G, et al. *Ultrastruct Pathol* 2004; 28(3):149-157.
 Selected case from the Arkadi M. Rywlin International Pathology Slide Seminar: desmoplastic fibroblastoma (collagenous fibroma). Allen PW. *Adv Anat Pathol* 2001; 8(1):23-26.
 Translocation (2:11)(q31; q12) is recurrent in collagenous fibroma (desmoplastic fibroblastoma). Bernal K, Nelson M, et al. *Cancer Genet Cytogenet* 2004; 149(2):161-163.
 Sclerotic fibroma-like change in various neoplastic and inflammatory skin lesions: Is sclerotic fibroma a distinct entity? High WA, Stewart D, et al. *J Cutan Pathol* 2004; 31(5):373-378.

Case No. 3, Accession No. 28602

April 2010

Alameda (Alameda County Medical Center) - Malignant peripheral nerve sheath tumor
Fontana (Kaiser Permanente) - Leiomyosarcoma
Hayward/Fremont (St. Rose Hospital) - Fibrosarcoma
Long Beach (Long Beach Veterans Medical Center) - Degenerating leiomyoma
Oakland (Kaiser Permanente) - Malignant peripheral nerve sheath tumor
Orange (Orange County Pathology Medical Group) - PNET
Oxnard (St. John's Regional Medical Center) - Peripheral nerve sheath tumor (2); Neurilemoma
San Diego (Naval Medical Center) - Palisaded subcutaneous fibrohistiocytoma
Santa Barbara (Miramonte Laboratory) - Schwannoma
Woodland Hills - Fibrosarcoma, low grade
Colorado (McKee Medical Center) - Schwannoma with malignant change/transformation

Florida (Naples Pathology Associates) - Fibrosarcoma
Florida (Tallahassee Pathology Associates) - Desmoid tumor
Georgia, Atlanta - Malignant peripheral nerve sheath tumor
Illinois, Burr Ridge - Extra-abdominal fibromatosis
Illinois, Chicago - Fibrosarcoma (2)
Illinois (Heartland Regional Medical Center) - Benign fibrous neoplasm, NOS
Illinois (MacNeal Hospital) - Fibrosarcoma, back
Illinois (Adventist Glen Oaks Hospital) - Fibromatosis
Illinois (St. Mary's Hospital) - Leiomyosarcoma
Illinois, Wilmette - Fibrosarcoma
Kansas (Cytocheck Laboratory) - Schwannoma
Louisiana (LSUHSC) - Neurilemoma
Minnesota (Fairview Ridges Hospital) - Hyalinizing spindle cell tumor with giant rosettes
Missouri (Missouri Delta Medical Center) - Schwannoma
Nebraska (Creighton University Medical Center) - Schwannoma
New York (Erie County Medical Center) - Fibrosarcoma
New York (Long Island Jewish Medical Center) - Malignant peripheral nerve sheath tumor arising in a background of schwannoma
New York (St. Luke's Roosevelt Hospital) - Schwannoma
New York (SUNY Downstate Medical Center) - Low grade fibromyxoid sarcoma, fibrosarcoma
New York (SUNY Stony Brook) - Low grade MPNST
Ohio, Columbus - Malignant peripheral nerve sheath tumor
Ohio (The University of Toledo) - Fibrosarcoma
Ohio, Union Town - Fibrosarcoma
Pennsylvania (Conemaugh Memorial Hospital) - Fibrosarcoma
Pennsylvania (Drexel University) - Malignant schwannoma
Pennsylvania (Lehigh Valley Hospital) - Hyalinizing spindle cell tumor with giant rosettes
Pennsylvania (Magee Women's Hospital) - Malignant peripheral nerve sheath tumor
Pennsylvania (York Hospital) - Nodular fasciitis
Puerto Rico (University of Puerto Rico) - Fibrosarcoma (6); Malignant peripheral nerve sheath tumor (3)
Texas (Carl R. Darnall Army Medical Center) - Fibrosarcoma
Texas, Crystal Beach - Schwannoma (vs. fibroma)
Texas, Lubbock - Hyalinizing spindle cell tumor with giant rosette
Texas, San Antonio - Leiomyosarcoma
Washington, (Seattle Veterans Hospital) - Fibromatosis vs. low grade fibrosarcoma
West Virginia (Greenbrier Valley Medical Center) - Schwannoma
Australia (Royal Hobart Hospital) - Low grade fibrosarcoma, NOS
Australia (Royal Prince Alfred Hospital) - Low grade fibromyxoid sarcoma
Australia (St. Vincent's Hospital, Sydney) - Malignant peripheral nerve sheath tumor (MPNST)
Australia (Sullivan Nicolaides Pathology) - Fibrosarcoma
Canada (University of Sherbrooke) - LG fibromyxoid sarcoma vs. fibromyxosarcoma
Ireland (Kerry General Hospital) - Ischemic fasciitis
Japan (Asahi General Hospital) - Extra-abdominal fibromatosis
Japan (Shizuoka Toshimitsu Hospital) - Extra-abdominal fibromatosis
Japan (University of Yamanashi) - Malignant peripheral nerve sheath tumor
The Netherlands, Amstelveen - Fibroma

Case 3 - Diagnosis:

Spindle cell sarcoma, favor fibrosarcoma, back
 T-Y1100, M-88103

Case 3 - References:

Low-grade fibrosarcoma-report on 39 not otherwise specified cases and comparison with defined low-grade fibrosarcoma types. Hansen T, Katenkamp K, et al. *Histopathology* 2006; 49(2):152-160.
 Myofibroblastic malignancies. Fisher C. *Adv Anat Pathol* 2004; 11(4):190-201.
 Aspiration cytology of fibrosarcomatous variant of dermatofibrosarcoma protuberans with osteoclastlike giant cells in the chest wall: a case report. Kim L, Park IS, et al. *Acta Cytol* 2005; 49(6):644-649.

Osteosarcoma and fibrosarcoma caused by postoperative radiotherapy for a pituitary adenoma. Case report. Gnanalingham KK, Chakraborty A, et al. *J Neurosurg* 2002; 96(5):960-963.

Infantile fibrosarcoma: management based on the European experience. Orbach D, Rey a, et al. *J Clin Oncol* 2010; 28(2):318-323.

Diagnosis and management of desmoids tumors and fibrosarcoma. Wong SL. *J Surg Oncol* 2008; 97(6):554-558.

Sclerosing epithelioid fibrosarcoma of the cecum: a radiation-associated tumor in a previously unreported site. Frattini JC, Sosa JA, et al. *Arch Pathol Lab Med* 2007; 131(12):1825-1828.

Case No. 4, Accession No. 25990

April 2010

Alameda (Alameda County Medical Center) - Leiomyosarcoma

Fontana (Kaiser Permanente) - Leiomyosarcoma

Hayward/Fremont (St. Rose Hospital) - Leiomyosarcoma

Long Beach (Long Beach Veterans Medical Center) - Epithelioid leiomyosarcoma

Oakland (Kaiser Permanente) - Leiomyosarcoma

Orange (Orange County Pathology Medical Group) - Merkel cell carcinoma

Oxnard (St. John's Regional Medical Center) - Leiomyosarcoma (2); MFH (1)

San Diego (Naval Medical Center) - Leiomyosarcoma

Santa Barbara (Miramonte Laboratory) - Leiomyosarcoma

Woodland Hills - Leiomyosarcoma

Colorado (McKee Medical Center) - Epithelioid GIST

Florida (Naples Pathology Associates) - Epithelioid leiomyosarcoma

Florida (Tallahassee Pathology Associates) - Leiomyosarcoma

Georgia, Atlanta - Epithelioid leiomyosarcoma

Illinois, Burr Ridge - Leiomyosarcoma, round cell type

Illinois, Chicago - Rhabdomyosarcoma (2)

Illinois (Heartland Regional Medical Center) - Leiomyosarcoma

Illinois (MacNeal Hospital) - GIST vs. leiomyosarcoma, retroperitoneum

Illinois (Adventist Glen Oaks Hospital) - Leiomyosarcoma

Illinois (St. Mary's Hospital) - Extra gastrointestinal stromal tumor, epithelioid type

Illinois, Wilmette - Glomus tumor

Kansas (Cytocheck Laboratory) - Rhabdomyosarcoma

Louisiana (LSUHSC) - Paraganglioma

Minnesota (Fairview Ridges Hospital) - Leiomyosarcoma

Missouri (Missouri Delta Medical Center) - Sarcoma, NOS

Nebraska (Creighton University Medical Center) - Leiomyosarcoma

New York (Erie County Medical Center) - Leiomyosarcoma

New York (Long Island Jewish Medical Center) - Leiomyosarcoma (with epithelioid features)

New York (St. Luke's Roosevelt Hospital) - Epithelioid leiomyosarcoma

New York (SUNY Downstate Medical Center) - Leiomyosarcoma

New York (SUNY Stony Brook) - Leiomyosarcoma

Ohio, Columbus - Epithelioid sarcoma

Ohio (The University of Toledo) - Leiomyosarcoma

Ohio, Union Town - Leiomyosarcoma

Pennsylvania (Conemaugh Memorial Hospital) - Leiomyosarcoma

Pennsylvania (Drexel University) - Leiomyosarcoma

Pennsylvania (Lehigh Valley Hospital) - Leiomyosarcoma

Pennsylvania (Magee Women's Hospital) - Leiomyosarcoma

Pennsylvania (York Hospital) - Leiomyosarcoma

Puerto Rico (University of Puerto Rico) - Leiomyosarcoma

Texas (Carl R. Darnall Army Medical Center) - Leiomyosarcoma

Texas, Crystal Beach - Leiomyoma

Texas, Lubbock - Leiomyosarcoma

Texas, San Antonio - Epithelioid leiomyosarcoma

Washington, (Seattle Veterans Hospital) - Leiomyosarcoma with epithelioid growth

West Virginia (Greenbrier Valley Medical Center) - Leiomyosarcoma
Australia (Royal Hobart Hospital) - Leiomyosarcoma
Australia (Royal Prince Alfred Hospital) - Leiomyosarcoma
Australia (St. Vincent's Hospital, Sydney) - Pecoma (epithelioid)
Australia (Sullivan Nicolaides Pathology) - Leiomyosarcoma
Canada (University of Sherbrooke) - Epithelioid leiomyosarcoma
Ireland (Kerry General Hospital) - Epithelioid leiomyosarcoma
Japan (Asahi General Hospital) - Leiomyosarcoma
Japan (Shizuoka Toshimitsu Hospital) - Leiomyosarcoma
Japan (University of Yamanashi) - Leiomyosarcoma
The Netherlands, Amstelveen - Leiomyosarcoma

Case 4 - Diagnosis:

Leiomyosarcoma, retroperitoneum
 T-Y4600, M-88903

Case 4 - References:

Inflammatory leiomyosarcoma of the retroperitoneum. Morovic A, Delcore R, and Damjanov I. *Pathol Res Pract* 2003; 199(1):41-43; discussion 45-46.
 Retroperitoneal leiomyomas. a clinicopathologic and immunohistochemical study of 56 cases with a comparison to retroperitoneal leiomyosarcomas. Paal E and Miettinen M. *Am J Surg Pathol* 2001; 25(11):1355-1363.
 Smooth muscle tumors of soft tissue. Weiss SW. *Adv Anat Pathol* 2002; 9(6):351-359.
 Criteria for malignancy in nonvisceral smooth muscle tumors. Hornick JL, Fletcher CD. *Ann Diagn Pathol* 2003; 7(1):60-66.
 Retroperitoneal sarcomas: grade and survival. Ferrario T and Karakousis CP. *Arch Surg* 2003; 138(3):248-251.

Case No. 5, Accession No. 27730

April 2010

Alameda (Alameda County Medical Center) - Alveolar soft part sarcoma
Fontana (Kaiser Permanente) - Alveolar soft part sarcoma
Hayward/Fremont (St. Rose Hospital) - Alveolar soft part sarcoma
Long Beach (Long Beach Veterans Medical Center) - Alveolar soft part sarcoma
Oakland (Kaiser Permanente) - Alveolar soft part sarcoma
Orange (Orange County Pathology Medical Group) - Malignant mixed tumor
Oxnard (St. John's Regional Medical Center) - Alveolar soft part sarcoma (3)
San Diego (Naval Medical Center) - Alveolar soft part sarcoma
Santa Barbara (Miramonte Laboratory) - Paraganglioma
Woodland Hills - Alveolar soft part sarcoma
Colorado (McKee Medical Center) - Alveolar soft part sarcoma
Florida (Naples Pathology Associates) - Alveolar soft part sarcoma
Florida (Tallahassee Pathology Associates) - Alveolar rhabdomyosarcoma
Georgia, Atlanta - Alveolar soft part sarcoma
Illinois, Burr Ridge - Alveolar soft part sarcoma
Illinois, Chicago - Neuroblastoma (2)
Illinois (Heartland Regional Medical Center) - Alveolar soft part sarcoma
Illinois (MacNeal Hospital) - Alveolar soft part sarcoma, thigh
Illinois (Adventist Glen Oaks Hospital) - Alveolar soft sarcoma
Illinois (St. Mary's Hospital) - Alveolar soft part sarcoma
Illinois, Wilmette - Alveolar soft part sarcoma
Kansas (Cytocheck Laboratory) - Alveolar soft part sarcoma
Minnesota (Fairview Ridges Hospital) - Alveolar soft part sarcoma
Missouri (Missouri Delta Medical Center) - Alveolar soft part sarcoma
Nebraska (Creighton University Medical Center) - Alveolar soft part sarcoma
New York (Erie County Medical Center) - Alveolar soft part sarcoma
New York (Long Island Jewish Medical Center) - Alveolar soft part sarcoma
New York (SUNY Downstate Medical Center) - Alveolar soft part sarcoma
New York (SUNY Stony Brook) - Alveolar soft part sarcoma

Ohio, Columbus - Alveolar soft part sarcoma
Ohio (The University of Toledo) - Alveolar soft part sarcoma
Ohio, Union Town - Alveolar soft part sarcoma
Pennsylvania (Conemaugh Memorial Hospital) - Alveolar soft part sarcoma
Pennsylvania (Drexel University) - Alveolar rhabdomyosarcoma
Pennsylvania (Lehigh Valley Hospital) - Alveolar soft part sarcoma
Pennsylvania (Magee Women's Hospital) - Alveolar soft part sarcoma
Pennsylvania (York Hospital) - Alveolar soft part sarcoma
Puerto Rico (University of Puerto Rico) - Alveolar soft part sarcoma/paraganglioma
Texas (Carl R. Darnall Army Medical Center) - Alveolar soft part sarcoma
Texas, Crystal Beach - Paraganglioma metastatic vs. soft part sarcoma
Texas, Lubbock - Alveolar soft part sarcoma
Texas, San Antonio - Alveolar soft part sarcoma
Washington, (Seattle Veterans Hospital) - Alveolar soft part sarcoma
West Virginia (Greenbrier Valley Medical Center) - Alveolar soft part sarcoma
Australia (Royal Hobart Hospital) - Alveolar soft part sarcoma
Australia (Royal Prince Alfred Hospital) - Alveolar soft part sarcoma
Australia (St. Vincent's Hospital, Sydney) - Alveolar soft part sarcoma
Australia (Sullivan Nicolaides Pathology) - Alveolar soft part sarcoma
Canada (University of Sherbrooke) - Paraganglioma
Ireland (Kerry General Hospital) - Alveolar soft part sarcoma
Japan (Asahi General Hospital) - Alveolar soft part sarcoma
Japan (Shizuoka Toshimitsu Hospital) - Alveolar soft part sarcoma
Japan (University of Yamanashi) - Alveolar soft part sarcoma
The Netherlands, Amstelveen - Alveolar soft part sarcoma

Case 5 - Diagnosis:

Alveolar soft part sarcoma, thigh
 T-Y9100, M-95813

Case 5 - References:

Alveolar soft part sarcoma: are we at the end or just the beginning of our quest? Weiss SW. *Am J Pathol* 2002; 160(4):1197-1199.
 Alveolar soft part sarcoma: clinical course and patterns of metastasis in 70 patients treated at a single institution. Portera CA, Ho V, et al. *Cancer* 2001; 91(3):585-591.
 Alveolar soft part sarcoma: the role of prognostic markers. Sanjauan X, Sobel ME, et al. *Ann Diagn Pathol* 2000; 4(3):135-142.
 Crystals of alveolar soft part sarcoma in a fine needle aspiration biopsy cytology smear. A case report. Machhi J, Kouzova M, et al. *Acta Cytol* 2002; 46(5):904-908.
 Lingual alveolar soft part sarcoma; 14 cases: novel clinical and morphological observations. Fanburg-Smith JC, Miettinen M, Folpe AL, Weiss SW. *Histopathology* 2004; 45(5):526-537.
 Alveolar soft part sarcoma: a rare entity with unique cytomorphological features. Gupta S, Jain S and Sodhani P. *Cytopathology* 2003; 14(1):40-41.

Case No. 6, Accession No. 27747

April 2010

Alameda (Alameda County Medical Center) - Kaposi sarcoma
Fontana (Kaiser Permanente) - Kaposi
Hayward/Fremont (St. Rose Hospital) - Pneumocystis pneumonia
Long Beach (Long Beach Veterans Medical Center) - Kaposi sarcoma
Oakland (Kaiser Permanente) - Kaposi sarcoma
Orange (Orange County Pathology Medical Group) - Sarcoma, rule out malignant hemangiopericytoma
Oxnard (St. John's Regional Medical Center) - Kaposi sarcoma (3)
San Diego (Naval Medical Center) - Kaposi sarcoma
Santa Barbara (Miramonte Laboratory) - Kaposi sarcoma
Woodland Hills - Kaposi sarcoma
Colorado (McKee Medical Center) - Pneumocystis pneumonia

Florida (Naples Pathology Associates) - Pulmonary epithelioid hemangioendothelioma (IVBAT)
Florida (Tallahassee Pathology Associates) - Kaposi sarcoma and PCP
Georgia, Atlanta - Kaposi sarcoma
Illinois, Burr Ridge - Angiosarcoma
Illinois, Chicago - Kaposi sarcoma (1); Hemangiosarcoma (1)
Illinois (Heartland Regional Medical Center) - Kaposi sarcoma
Illinois (MacNeal Hospital) - Kaposi sarcoma and PCP, lung
Illinois (Adventist Glen Oaks Hospital) - Kaposi sarcoma and PCP
Illinois (St. Mary's Hospital) - Angiosarcoma
Illinois, Wilmette - Diffuse pulmonary lymphangiomatosis
Kansas (Cytocheck Laboratory) - Kaposi sarcoma
Louisiana (LSUHSC) - Kaposi sarcoma
Minnesota (Fairview Ridges Hospital) - Kaposi sarcoma
Missouri (Missouri Delta Medical Center) - Kaposi sarcoma
Nebraska (Creighton University Medical Center) - Visceral Kaposi sarcoma
New York (Erie County Medical Center) - Kaposi sarcoma
New York (Long Island Jewish Medical Center) - Kaposi sarcoma
New York (SUNY Downstate Medical Center) - Kaposi sarcoma
New York (SUNY Stony Brook) - Kaposi sarcoma
Ohio, Columbus - Kaposi sarcoma
Ohio (The University of Toledo) - Kaposi sarcoma
Ohio, Union Town - Kaposi sarcoma
Pennsylvania (Conemaugh Memorial Hospital) - Kaposi sarcoma
Pennsylvania (Drexel University) - Kaposi sarcoma
Pennsylvania (Lehigh Valley Hospital) - Angiosarcoma
Pennsylvania (Magee Women's Hospital) - Kaposiform angiosarcoma
Pennsylvania (York Hospital) - Kaposi sarcoma
Puerto Rico (University of Puerto Rico) - Kaposi sarcoma
Texas (Carl R. Darnall Army Medical Center) - Angiosarcoma
Texas, Crystal Beach - Kaposi sarcoma possible
Texas, Lubbock - Kaposi sarcoma
Texas, San Antonio - Kaposi sarcoma
Washington, (Seattle Veterans Hospital) - Kaposi sarcoma
West Virginia (Greenbrier Valley Medical Center) - Kaposi sarcoma
Australia (Royal Hobart Hospital) - Disseminated Kaposi sarcoma (+ pneumocystis pneumonia)
Australia (Royal Prince Alfred Hospital) - Kaposi sarcoma
Australia (St. Vincent's Hospital, Sydney) - Kaposi sarcoma and pneumocystis
Australia (Sullivan Nicolaides Pathology) - Kaposi sarcoma
Ireland (Kerry General Hospital) - Kaposi sarcoma
Japan (Asahi General Hospital) - Kaposi sarcoma
Japan (Shizuoka Toshimitsu Hospital) - Kaposi sarcoma
Japan (University of Yamanashi) - Kaposi sarcoma
The Netherlands, Amstelveen - Pneumocystic carinii pneumonia and bleeding

Case 6 - Diagnosis:

Kaposi sarcoma, lung
 T-28000, M-91403

Case 6 - References:

The origin of Kaposi sarcoma. Gill PS. *J Natl Cancer Inst* 2007; 99(14):1063.
 The pathobiology of Kaposi's sarcoma: advances since the onset of the AIDS epidemic. Horenstein MG, Moontasri NJ and Cesarman E. *J Cutan Pathol* 2008; 35(2):40-44.
 Classic Kaposi sarcoma in the United States over the last decades: a clinicopathologic and molecular study of 438 non-HIV-related Kaposi sarcoma patients with comparison to HIV-related Kaposi sarcoma. Hiatt KM, Nelson AM, Lichy JH and Fanburg-Smith JC. *Mod Pathol* 2008; 21(5):572-582.
 Cause-specific mortality in classic Kaposi's sarcoma: a population-based study in Italy (1995-2002). Ascoli V, Minelli G, et al. *Br J Cancer* 2009; 101(7):1085-1090.

Linking the Kaposi's sarcoma-associated herpesvirus (KSHV/HHV-8) to human malignancies. Kalt I, Masa SR and Sarid R. *Methods Mol Biol* 2009; 101(7):1085-1090.

Familial Kaposi's sarcoma: a cluster of five Israeli cases. Weissmann-Brenner A, Friedman-Birnbaum R and Brenner B. *Clin Oncol R Coll Radiol* 2004; 16(2):125-128.

Human herpesvirus 8, Kaposi's sarcoma, and associated conditions. Gandhi M and Greenblatt RM. *Clin Lab Med* 2002; 22(4):883-910.

Case No. 7, Accession No. 26000

April 2010

Alameda (Alameda County Medical Center) - Rhabdomyosarcoma

Fontana (Kaiser Permanente) - Alveolar rhabdomyosarcoma

Hayward/Fremont (St. Rose Hospital) - Rhabdomyosarcoma

Long Beach (Long Beach Veterans Medical Center) - Clear cell rhabdomyosarcoma

Oakland (Kaiser Permanente) - Rhabdomyosarcoma

Orange (Orange County Pathology Medical Group) - Hepatocellular carcinoma

Oxnard (St. John's Regional Medical Center) - Embryonal rhabdomyosarcoma (3)

San Diego (Naval Medical Center) - Embryonal rhabdomyosarcoma

Santa Barbara (Miramonte Laboratory) - Rhabdomyosarcoma

Woodland Hills - Rhabdomyosarcoma, embryonal

Colorado (McKee Medical Center) - Adenomatoid tumor

Florida (Naples Pathology Associates) - Embryonal rhabdomyosarcoma

Florida (Tallahassee Pathology Associates) - Embryonal rhabdomyosarcoma

Georgia, Atlanta - Rhabdomyosarcoma

Illinois, Burr Ridge - Embryonal rhabdomyosarcoma

Illinois, Chicago - Alveolar rhabdomyosarcoma (2)

Illinois (Heartland Regional Medical Center) - Alveolar rhabdomyosarcoma

Illinois (MacNeal Hospital) - Rhabdomyosarcoma, paratesticular

Illinois (Adventist Glen Oaks Hospital) - Alveolar rhabdomyosarcoma

Illinois (St. Mary's Hospital) - Adenomatoid tumor

Illinois, Wilmette - Embryonal rhabdomyosarcoma

Kansas (Cytocheck Laboratory) - Alveolar rhabdomyosarcoma

Louisiana (LSUHSC) - Yolk sac tumor

Minnesota (Fairview Ridges Hospital) - Alveolar rhabdomyosarcoma

Missouri (Missouri Delta Medical Center) - Liposarcoma, round cell type

Nebraska (Creighton University Medical Center) - Embryonal rhabdomyosarcoma

New York (Erie County Medical Center) - Myxoid leiomyosarcoma

New York (Long Island Jewish Medical Center) - Rhabdomyosarcoma (embryonal vs. alveolar) and rule out dedifferentiated liposarcoma

New York (St. Luke's Roosevelt Hospital) - Rhabdomyosarcoma, alveolar type

New York (SUNY Downstate Medical Center) - Rhabdomyosarcoma

New York (SUNY Stony Brook) - Alveolar rhabdomyosarcoma

Ohio, Columbus - Dedifferentiated liposarcoma

Ohio (The University of Toledo) - Embryonal rhabdomyosarcoma

Ohio, Union Town - Rhabdomyosarcoma

Pennsylvania (Conemaugh Memorial Hospital) - Embryonal rhabdomyosarcoma with maturation

Pennsylvania (Drexel University) - Embryonal rhabdomyosarcoma

Pennsylvania (Lehigh Valley Hospital) - Embryonal rhabdomyosarcoma

Pennsylvania (Magee Women's Hospital) - Rhabdomyosarcoma

Pennsylvania (York Hospital) - Embryonal rhabdomyosarcoma

Puerto Rico (University of Puerto Rico) - Rhabdomyosarcoma/angiosarcoma

Texas (Carl R. Darnall Army Medical Center) - Embryonal rhabdomyosarcoma

Texas, Crystal Beach - Sex cord stromal tumor, unclassified vs. solitary fibrous tumor

Texas, Lubbock - Embryonal rhabdomyosarcoma

Texas, San Antonio - Embryonal rhabdomyosarcoma

Washington, (Seattle Veterans Hospital) - Alveolar rhabdomyosarcoma

West Virginia (Greenbrier Valley Medical Center) - Adenomatoid tumor

Australia (Royal Hobart Hospital) - Rhabdomyosarcoma, probably alveolar type
Australia (Royal Prince Alfred Hospital) - Alveolar rhabdomyosarcoma
Australia (St. Vincent's Hospital, Sydney) - Alveolar rhabdomyosarcoma
Australia (Sullivan Nicolaides Pathology) - Embryonal rhabdomyosarcoma
Canada (University of Sherbrooke) - Embryonal rhabdomyosarcoma
Ireland (Kerry General Hospital) - Paratesticular rhabdomyosarcoma
Japan (Asahi General Hospital) - Rhabdomyosarcoma
Japan (Shizuoka Toshimitsu Hospital) - Adenomatoid tumor
Japan (University of Yamanashi) - Lymphangiosarcoma
The Netherlands, Amstelveen - Rhabdomyosarcoma

Case 7 - Diagnosis:

Rhabdomyosarcoma with embryonal and alveolar features, epididymis and testis
 T-79100, M-89003

Case 7 - References:

Trends in childhood rhabdomyosarcoma incidence and survival in the United States, 1975-2005. Ognjanovic S, Linabery AM, et al. *Cancer* 2009; 115(18):4218-4226.
 Rhabdomyosarcomas in adults and children: an update. Parham DM and Ellison DA. *Arch Pathol Lab Med* 2006; 130(10):1454-1465.
 Intranuclear cytoplasmic inclusions – an extremely unusual finding in embryonal rhabdomyosarcoma: Report of a case diagnosed by fine-needle aspiration biopsy. Kumar S, Siddaraju N, et al. *Diagn Cytopathol* 2009; 37(10):740-743.
 Convoluted and cleaved nuclei in rhabdomyosarcoma: an unusual morphologic feature causing diagnostic difficulty. Iyer VK and Verma K. *Acta Cytol* 2005; 49(4):465-467.
 Paratesticular spindle cell rhabdomyosarcoma in an adult. Kizer WS and Dykes TE, et al. *J Urol* 2001; 166(2):606-607.
 Primary rhabdomyosarcoma of the seminal vesicle. Berger AP, Bartsch G and Horninger W. *J Urol* 2002; 168(2):643.

Case No. 8, Accession No. 28621

April 2010

Alameda (Alameda County Medical Center) - Well-differentiated liposarcoma
Fontana (Kaiser Permanente) - Well-differentiated liposarcoma
Hayward/Fremont (St. Rose Hospital) - Well-differentiated liposarcoma
Long Beach (Long Beach Veterans Medical Center) - Well-differentiated liposarcoma
Oakland (Kaiser Permanente) - Well-differentiated liposarcoma
Orange (Orange County Pathology Medical Group) - Juvenile granulose cell tumor
Oxnard (St. John's Regional Medical Center) - Well-differentiated liposarcoma (2); Liposarcoma vs. atypical lipoma (1)
San Diego (Naval Medical Center) - Well-differentiated liposarcoma
Santa Barbara (Miramonte Laboratory) - Liposarcoma
Woodland Hills - Well-differentiated liposarcoma
Colorado (McKee Medical Center) - Well-differentiated liposarcoma
Florida (Naples Pathology Associates) - Well-differentiated liposarcoma
Florida (Tallahassee Pathology Associates) - Well-differentiated liposarcoma
Georgia, Atlanta - Well-differentiated liposarcoma, sclerosing
Illinois, Burr Ridge - Sclerosing, well-differentiated liposarcoma
Illinois, Chicago - Liposarcoma (2)
Illinois (Heartland Regional Medical Center) - Well-differentiated liposarcoma
Illinois (MacNeal Hospital) - Myxoid liposarcoma, abdomen
Illinois (Adventist Glen Oaks Hospital) - Liposarcoma, low grade
Illinois (St. Mary's Hospital) - Well-differentiated liposarcoma
Illinois, Wilmette - Atypical lipomatous neoplasm/ well-differentiated liposarcoma
Kansas (Cytocheck Laboratory) - Myxoid liposarcoma
Louisiana (LSUHSC) - Atypical lipoma
Minnesota (Fairview Ridges Hospital) - Well-differentiated liposarcoma
Missouri (Missouri Delta Medical Center) - Liposarcoma
Nebraska (Creighton University Medical Center) - Well-differentiated liposarcoma

New York (Erie County Medical Center) - Well-differentiated liposarcoma
New York (Long Island Jewish Medical Center) - Well-differentiated liposarcoma
New York (St. Luke's Roosevelt Hospital) - Well-differentiated liposarcoma
New York (SUNY Downstate Medical Center) - Well-differentiated liposarcoma
New York (SUNY Stony Brook) - Well-differentiated liposarcoma
Ohio, Columbus - Well-differentiated liposarcoma
Ohio (The University of Toledo) - Sclerosing well-differentiated liposarcoma
Ohio, Union Town - Well-differentiated liposarcoma
Pennsylvania (Conemaugh Memorial Hospital) - Pleomorphic liposarcoma
Pennsylvania (Drexel University) - Well-differentiated liposarcoma
Pennsylvania (Lehigh Valley Hospital) - Well-differentiated liposarcoma
Pennsylvania (Magee Women's Hospital) - Well-differentiated liposarcoma
Pennsylvania (York Hospital) - Well-differentiated liposarcoma
Puerto Rico (University of Puerto Rico) - Well-differentiated liposarcoma
Texas (Carl R. Darnall Army Medical Center) - Well-differentiated liposarcoma
Texas, Crystal Beach - Liposarcoma
Texas, Lubbock - Liposarcoma
Texas, San Antonio - Well-differentiated liposarcoma
Washington, (Seattle Veterans Hospital) - Well-differentiated liposarcoma
West Virginia (Greenbrier Valley Medical Center) - Liposarcoma
Australia (Royal Hobart Hospital) - Well-differentiated liposarcoma
Australia (Royal Prince Alfred Hospital) - Atypical lipomatous tumor/well-differentiated liposarcoma
Australia (St. Vincent's Hospital, Sydney) - Well-differentiated liposarcoma
Australia (Sullivan Nicolaides Pathology) - Well-differentiated liposarcoma
Canada (University of Sherbrooke) - Well-differentiated liposarcoma
Ireland (Kerry General Hospital) - Well-differentiated liposarcoma
Japan (Asahi General Hospital) - Well-differentiated liposarcoma
Japan (Shizuoka Toshimitsu Hospital) - Atypical lipoma
Japan (University of Yamanashi) - Well-differentiated liposarcoma
The Netherlands, Amstelveen - Liposarcoma

Case 8 - Diagnosis:

Well-differentiated liposarcoma, abdomen
 T-17340, M-88503

Case 8 - References:

Review of large deep lipomatous tumours. Sepeli JW and Chen RY. *ANZ J Surg* 2007; 77(7):524-529.
 Retroperitoneal lipomatous tumors without cytologic atypia: are they lipomas? A clinicopathologic and molecular study of 19 cases. Macarenco RS, Erickson-Johnson M, Wang X, et al. *Am J Surg Pathol* 2009; 33(10):1470-1476.
 Well-differentiated liposarcoma (atypical lipomatous tumors). Laurino L, Furlanetto A, Orvieto E, et al. *Semin Diagn Pathol* 2001; 18(4):258-262.
 Liposarcoma: new entities and evolving concepts. Dei Tos AP. *Ann Diagn Pathol* 2000; 4(4):252-266.
 Primary retroperitoneal lipoma: a soft tissue pathology heresy? Report of a case with classic histologic, cytogenetics, and molecular genetic features. Ida CM, Wang X, et al. *Am J Surg Pathol* 2008; 32(6):951-954.
 Value of cytological imprints in the diagnosis of atypical lipomatous tumor. Fernandez-Flores A and Juanes F. *Diagn Cytopathol* 2005; 32(1):51-52.
 Atypical lipomatous tumor, its variants, and its combined forms: a study of 61 cases, with a minimum follow-up of 10 years. Evans HL. *Am J Surg Pathol* 2007; 31(1):1-14.

Case No. 9, Accession No. 28646

April 2010

Alameda (Alameda County Medical Center) - Dedifferentiated liposarcoma
Fontana (Kaiser Permanente) - Inflammatory MFH
Hayward/Fremont (St. Rose Hospital) - Liposarcoma, dedifferentiated
Long Beach (Long Beach Veterans Medical Center) - Recurrent sarcoma, NOS
Oakland (Kaiser Permanente) - Myxoinflammatory fibroblastic sarcoma

Orange (Orange County Pathology Medical Group) - Leiomyosarcoma
Oxnard (St. John's Regional Medical Center) - Malignant fibrous histiocytoma (3)
San Diego (Naval Medical Center) - Inflammatory malignant fibrous histiocytoma
Santa Barbara (Miramonte Laboratory) - Liposarcoma
Woodland Hills - Undifferentiated pleomorphic sarcoma with increased inflammatory cells
Colorado (McKee Medical Center) - Dedifferentiated liposarcoma
Florida (Naples Pathology Associates) - Dedifferentiated liposarcoma
Florida (Tallahassee Pathology Associates) - Malignant fibrous histiocytoma
Georgia, Atlanta - Inflammatory malignant fibrous histiocytoma
Illinois, Burr Ridge - Inflammatory malignant fibrous histiocytoma
Illinois, Chicago - Myxoid liposarcoma (2)
Illinois (Heartland Regional Medical Center) - Malignant fibrous histiocytoma
Illinois (MacNeal Hospital) - Malignant peripheral nerve sheath tumor vs. MFH and liposarcoma, chest wall
Illinois (Adventist Glen Oaks Hospital) - Liposarcoma
Illinois (St. Mary's Hospital) - Dedifferentiated liposarcoma
Illinois, Wilmette - Myxoinflammatory fibroblastic sarcoma
Kansas (Cytocheck Laboratory) - Pleomorphic liposarcoma
Louisiana (LSUHSC) - Malignant fibrous histiocytoma
Minnesota (Fairview Ridges Hospital) - Pleomorphic sarcoma, dedifferentiated liposarcoma
Missouri (Missouri Delta Medical Center) - Hodgkins lymphoma (extranodal)
Nebraska (Creighton University Medical Center) - Dedifferentiated liposarcoma
New York (Erie County Medical Center) - Malignant fibrous histiocytoma
New York (Long Island Jewish Medical Center) - Inflammatory myofibroblastic tumor, rule out MFH
New York (SUNY Downstate Medical Center) - Dedifferentiated liposarcoma
New York (SUNY Stony Brook) - Inflammatory liposarcoma
Ohio, Columbus - Malignant fibrous histiocytoma
Ohio (The University of Toledo) - Dedifferentiated liposarcoma
Ohio, Union Town - Malignant fibrous histiocytoma
Pennsylvania (Conemaugh Memorial Hospital) - Dedifferentiated liposarcoma
Pennsylvania (Drexel University) - Sclerosing liposarcoma
Pennsylvania (Lehigh Valley Hospital) - Dedifferentiated liposarcoma
Pennsylvania (Magee Women's Hospital) - Dedifferentiated liposarcoma
Pennsylvania (York Hospital) - Dedifferentiated liposarcoma
Puerto Rico (University of Puerto Rico) - Inflammatory liposarcoma
Texas (Carl R. Darnall Army Medical Center) - Malignant fibrous histiocytoma
Texas, Crystal Beach - Inflammatory pseudotumor
Texas, Lubbock - Leiomyosarcoma
Texas, San Antonio - Inflammatory MFH
Washington, (Seattle Veterans Hospital) - Dedifferentiated liposarcoma vs. poorly differentiated MFH
West Virginia (Greenbrier Valley Medical Center) - Proliferative myositis
Australia (Royal Hobart Hospital) - Undifferentiated high grade pleomorphic sarcoma (MFH-like)
Australia (Royal Prince Alfred Hospital) - Inflammatory liposarcoma
Australia (St. Vincent's Hospital, Sydney) - Dedifferentiated liposarcoma
Australia (Sullivan Nicolaides Pathology) - Dedifferentiated liposarcoma
Canada (University of Sherbrooke) - Myxofibrosarcoma
Ireland (Kerry General Hospital) - Sclerosing well-differentiated liposarcoma
Japan (Asahi General Hospital) - Myxoid liposarcoma
Japan (Shizuoka Toshimitsu Hospital) - Spindle cell lipoma
Japan (University of Yamanashi) - Liposarcoma
The Netherlands, Amstelveen - Sarcoma, NOS

Case 9 - Diagnosis:

Dedifferentiated liposarcoma, chest wall
 T-Y1250, M-88513

Director's note: Six years prior, the patient had a low grade liposarcoma removed from the same site. It was verified as low grade by the AFIP. (drc)

Case 9 - References:

Dedifferentiated liposarcoma. Nascimento AG. *Semin Diagn Pathol* 2001; 18(4):263-266.

Dedifferentiated liposarcoma of the pleura mimicking a malignant solitary fibrous tumor and associated with dedifferentiated liposarcoma of the mediastinum: usefulness of cytogenetic and molecular genetic analyses.

Benchetritt M and Hofman V, et al. *Cancer Genet Cytogenet* 2007; 179(2):150-155.

Dedifferentiated liposarcoma of the pleura: report of a case. Takanami I and Imamura T. *Surg Today* 2005; 35(4):313-316.

Dedifferentiated liposarcomas with divergent myosarcomatous differentiation developed in the internal trunk: a study of 27 cases and comparison to conventional dedifferentiated liposarcomas and leiomyosarcomas. Binh MB, Guillou L, et al. *Am J Surg Pathol* 2007; 31(10):1557-1566.

Atypical lipomatous tumor, its variants, and its combined forms: a study of 61 cases, with a minimum follow-up of 10 years. Evans HL. *Am J Surg Pathol* 2007; 31(1):1-14.

The prognostic impact of dedifferentiation in retroperitoneal liposarcoma: a series of surgically treated patients at a single institution. Mussi C, Collini P, et al. *Cancer* 2008; 113(7):1657-1665.

Case No. 10, Accession No. 31147

April 2010

Alameda (Alameda County Medical Center) - Undifferentiated high grade pleomorphic sarcoma

Fontana (Kaiser Permanente) - Histiocytic sarcoma

Hayward/Fremont (St. Rose Hospital) - Liposarcoma, dedifferentiated

Long Beach (Long Beach Veterans Medical Center) - Epithelioid sarcoma, NOS

Oakland (Kaiser Permanente) - Sclerosing epithelioid fibrosarcoma

Orange (Orange County Pathology Medical Group) - Rhabdomyosarcoma

Oxnard (St. John's Regional Medical Center) - MFH vs. dedifferentiated liposarcoma (2); Sarcoma, NOS (1)

San Diego (Naval Medical Center) - High grade pleomorphic undifferentiated sarcoma

Santa Barbara (Miramonte Laboratory) - Undifferentiated sarcoma

Woodland Hills - Undifferentiated pleomorphic sarcoma

Colorado (McKee Medical Center) - Poorly differentiated malignancy

Florida (Naples Pathology Associates) - Malignant fibrous histiocytoma

Florida (Tallahassee Pathology Associates) - High grade sarcoma, NOS

Georgia, Atlanta - Epithelioid sarcoma

Illinois, Burr Ridge - Pleomorphic liposarcoma

Illinois, Chicago - Malignant solitary fibrous tumor (2)

Illinois (Heartland Regional Medical Center) - Undifferentiated sarcoma

Illinois (MacNeal Hospital) - High grade sarcoma

Illinois (Adventist Glen Oaks Hospital) - Inflammatory MFH

Illinois (St. Mary's Hospital) - Osteosarcoma

Illinois, Wilmette - Sclerosing epithelioid fibrosarcoma

Kansas (Cytocheck Laboratory) - Malignant fibrous histiocytoma

Louisiana (LSUHSC) - Rhabdoid tumor

Minnesota (Fairview Ridges Hospital) - Epithelioid sarcoma

Missouri (Missouri Delta Medical Center) - High grade sarcoma, NOS

Nebraska (Creighton University Medical Center) - Osteosarcoma

New York (Erie County Medical Center) - Dedifferentiated liposarcoma

New York (Long Island Jewish Medical Center) - Sclerosing epithelioid sarcoma vs. rule out histiocytic sarcoma vs rule out melanoma

New York (SUNY Downstate Medical Center) - Undifferentiated high-grade pleomorphic sarcoma

New York (SUNY Stony Brook) - Osteosarcoma

Ohio, Columbus - Malignant fibrous histiocytoma

Ohio (The University of Toledo) - High grade sarcoma

Ohio, Union Town - Malignant fibrous histiocytoma

Pennsylvania (Conemaugh Memorial Hospital) - Osteosarcoma

Pennsylvania (Drexel University) - Undifferentiated pleomorphic sarcoma with prominent inflammation

Pennsylvania (Lehigh Valley Hospital) - Epithelioid malignant neoplasm from MPNST

Pennsylvania (Magee Women's Hospital) - Osteosarcoma
Pennsylvania (York Hospital) - Epithelioid sarcoma, proximal type
Puerto Rico (University of Puerto Rico) - Pleomorphic malignant fibrous histiocytoma/undifferentiated high grade pleomorphic sarcoma/dedifferentiated liposarcoma
Texas (Carl R. Darnall Army Medical Center) - Undifferentiated sarcoma
Texas, Crystal Beach - Malignant histiocytoma
Texas, Lubbock - Chondrosarcoma
Texas, San Antonio - Sclerosing epithelioid fibrosarcoma
Washington, (Seattle Veterans Hospital) - High grade sarcoma, possible round cell liposarcoma
West Virginia (Greenbrier Valley Medical Center) - Malignant fibrous histiocytoma
Australia (Royal Hobart Hospital) - High grade osteosarcoma
Australia (Royal Prince Alfred Hospital) - Pleomorphic sarcoma
Australia (St. Vincent's Hospital, Sydney) - Sclerosing epithelioid sarcoma/pleomorphic undifferentiated sarcoma (MFH)
Australia (Sullivan Nicolaides Pathology) - Undifferentiated sarcomatoid malignancy
Canada (University of Sherbrooke) - Osteosarcoma
Ireland (Kerry General Hospital) - Pleomorphic liposarcoma
Japan (Asahi General Hospital) - Fibrosarcoma
Japan (Shizuoka Toshimitsu Hospital) - Malignant fibrous histiocytoma
Japan (University of Yamanashi) - Sarcoma
The Netherlands, Amstelveen - Sarcoma

Case 10 - Diagnosis:

Pleomorphic sarcoma (nos), chest wall
 T-Y2150, M-88023

Case 10 - References:

Classification of pleomorphic sarcomas: where are we now? Dei Tos AP. *Histopathology* 2006; 48(1):51-62.
 Diagnosis and management of pleomorphic sarcomas (so-called "MFH") in adults. Nascimento AF and Raut CP. *J Surg Oncol* 2008; 97(4):330-339.
 The rise and fall of malignant fibrous histiocytoma. Erlandson RA and Antonescu CR. *Ultrastruct Pathol* 2004; 28(5-6):283-289.
 Histopathological re-classification of extremity pleomorphic soft tissue sarcoma has clinical relevance. Massi D, Beltrami G, et al. *Eur J Surg Oncol* 2004; 30(10):1131-1136.
 Malignant fibrous histiocytoma: pleomorphic sarcoma NOS or pleomorphic fibrosarcoma. Meister P. *Pathologie* 2005; 26(2):127-133.
 Pleomorphic sarcoma as a mimicker of sarcomatous carcinoma. Rampisela D and Donner LR. *Ultrastruct Pathol* 2004; 28(4):209-212.