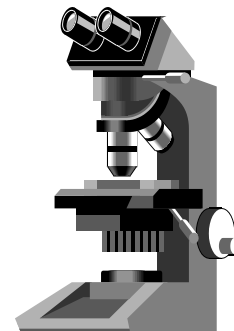


CALIFORNIA  
TUMOR TISSUE REGISTRY

*SOFT TISSUE PATHOLOGY*

Minutes – Subscription A

October 2009



**SUGGESTED READING (General Topics from Recent Literature):**

Diagnostic Value of CD163 in Cutaneous Spindle Cell Lesions. Pouryazdanparast P. *J Cutan Pathol* 2009; 36:859-864.

The Utility of FOXO1 Fluorescence In Situ Hybridization (FISH) in Formalin-Fixed Paraffin-Embedded Specimens in the Diagnosis of Alveolar Rhabdomyosarcoma. Down-Kelly E, Shehata BM, et al. *Diagn Mol Pathol* 2009; 18:138-143.

Multinucleate Giant Cells in Neurofibromas: A Clue to the Diagnosis of Neurofibromatosis. Taungjaruwina WM and Goldberg LJ. *J Cutan Pathol* 2009; 36:1164-1167.

Synovial Sarcoma Involving the Head. Analysis of 36 Cases with Predilection to the Parotid and Temporal Regions. *Am J Surg Pathol* 2009; 33:1494-1503.

Retroperitoneal Lipomatous Tumors Without Cytologic Atypia. Are They Lipomas? A Clinicopathologic and Molecular Study of 19 Cases. Macareno RS, Erickson-Johnson M, et al. *Am J Surg Pathol* 2009; 33:1470-1476.

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

## FILE DIAGNOSES

CTTR Subscription A

October 2009

**Case 1:**

Spindle cell lipoma, shoulder  
T-Y1220, M-88570

**Case 2:**

Myofibroma, skull  
T-10101, M-88900

**Case 3:**

Palisaded myofibroblastoma, groin lymph node  
T-Y7000, M-95800

**Case 4:**

Extra-abdominal fibromatosis, foot and ankle  
T-Y9500, M-76100

**Case 5:**

Malignant solitary fibrous tumor, vulva  
T-80100, M-90510

**Case 6:**

Malignant perineurioma (perineural MPNST), axilla  
T-Y8100, M-95603

**Case 7:**

Myxofibrosarcoma (“myxoid MFH”), maxilla and orbit  
T-Y0480/T-10170, M-88303

**Case 8:**

Embryonal rhabdomyosarcoma, testis  
T-78000, M-89103

**Case 9:**

Gastrointestinal stromal tumor (GIST), stomach and right colon  
T-67000, M-88903

**Case 10:**

Malignant mesenchymoma (pleomorphic sarcoma, osteosarcoma, chondrosarcoma, rhabdomyosarcoma), left atrium  
T-32000, M-91803

Alameda (Alameda County Medical Center) - Spindle cell lipoma  
Fontana (Kaiser Foundation Hospital) - Spindle cell lipoma  
Glendale - Spindle cell lipoma  
Long Beach (Long Beach VA Medical Center) - Spindle cell lipoma  
Orange (Orange County Pathology) - Spindle cell lipoma with myxoid change  
Oxnard (St. John's Regional Medical Center) - Solitary fibrous tumor  
San Diego (Naval Medical Center) - Spindle cell lipoma  
Santa Barbara (Miramonte Laboratories) - Myxoid liposarcoma  
Woodland Hills (Kaiser Foundation Hospital) - Spindle cell lipoma  
Colorado (McKee Medical Center) - Elastofibroma  
Colorado (University of Colorado) - Angiomyolipoma  
Florida (Naples Pathology Associates) - Spindle cell lipoma  
Georgia, Dunwoody - Spindle cell lipoma  
Illinois, Burr Ridge - Spindle cell lipoma  
Illinois, Chicago - Spindle cell lipoma (2)  
Illinois (Heartland Regional Medical Center) - Spindle cell lipoma  
Illinois, Oak Brook - Spindle cell lipoma  
Illinois (St. Mary's Hospital) - Spindle cell lipoma  
Illinois, Wilmette - Spindle cell lipoma  
Indiana, Indianapolis - Spindle cell lipoma  
Kansas (Cytocheck Laboratory) - Liposarcoma  
Louisiana (LSU-HSC) - Spindle cell lipoma  
Maryland (University of Maryland) - Spindle cell lipoma  
Minnesota (Fairview Ridges Hospital) - Spindle cell lipoma  
Mississippi (University of Mississippi Medical Center) - Spindle cell lipoma  
Missouri (Missouri Delta Medical Center) - Spindle cell lipoma  
Nebraska (Creighton University Medical Center) - Spindle cell lipoma  
New York (Albany Medical Center) - Spindle cell lipoma  
New York (Long Island Jewish Medical Center) - Spindle cell lipoma  
New York (St. Lukes Roosevelt Hospital) - Spindle cell lipoma  
New York (SUNY Downstate Medical Center) - Spindle cell lipoma  
New York (Westchester Medical Center) - Spindle cell lipoma  
North Carolina (North Carolina Baptist Hospital) - Spindle cell lipoma  
Ohio (Ohio State University Medical Center) - Spindle cell lipoma (2)  
Ohio, Union Town - Myxoma  
Ohio (University of Toledo) - Spindle cell/pleomorphic lipoma  
Pennsylvania (Drexel University College of Medicine Residents) - Myxoid liposarcoma  
Pennsylvania (Lehigh Valley Hospital) - Spindle cell lipoma  
Pennsylvania (Magee Women's Hospital) - Spindle cell lipoma  
Puerto Rico (University of Puerto Rico) - Spindle cell lipoma  
Texas (Carl R. Darnall Army Medical Center) - Spindle cell lipoma  
Texas, Crystal Beach - Myxoid liposarcoma  
Texas, Houston - Myxoma  
Texas, Lubbock - Lipoma with myxoid change  
Texas (Scott & White Hospital) - Spindle cell lipoma  
Texas (University of Texas Health Science Center San Antonio Residents) - Spindle cell lipoma  
Washington (Seattle VAMC) - Benign fibromyxoid tumor (spindle cell lipoma)  
Washington (University of Washington) - Spindle cell lipoma  
West Virginia (Greenbrier Valley Medical Center) - Spindle cell lipoma  
Australia (Royal Prince Alfred Hospital) - Spindle cell lipoma  
Australia (Royal Hobart Hospital) - Spindle cell lipoma  
Canada (Pasqua Hospital) - Spindle cell lipoma  
Canada (University of Sherbrooke) - Spindle cell lipoma  
Ireland (Kerry General Hospital) - Spindle cell lipoma  
Japan (Asashi General Hospital) - Superficial angiomyxoma

Japan (Freelance Practice) - Spindle cell lipoma; Differential: Myxoid liposarcoma  
Japan (Kanazawa University Graduate School) - Spindle cell lipoma  
Japan (Shizuoka Tokushu-Kai Hospital) - Spindle cell lipoma

**Case 1 - Diagnosis:**

Spindle cell lipoma, shoulder  
T-Y1220, M-88570

**Case 1 - References:**

Sachedeva MP, Goldblum JR, Rubin BP, et al. Low-Fat and Fat Free Pleomorphic Lipomas. A Diagnostic Challenge. *Am J Dermatopathol* 2009; 31(5):423-426.  
Mandal RV, Duncan LM, Austen WG Jr, et al. Infiltrating Intramuscular Spindle Cell Lipoma of the Face. *J Cutan Pathol* 2009; 36 Suppl 1:70-73. Epub 2009; Jan 27.  
Billings SD and Folpe AL. Diagnostically Challenging Spindle Cell Lipomas. A Report of 34 “Low-Fat” and “Fat-Free” Variants. *Am J Dermatopathol* 2007; 29(5):437-442.  
Dei Tos AP, Mentzel T, Newman PL, et al. Spindle Cell Liposarcoma, A Hitherto Unrecognized Variant of Liposarcoma. Analysis of Six Cases. *Am J Surg Pathol* 1994; 18(9):913-921.

**Case No. 2, Accession No. 31069**

**October 2009**

Alameda (Alameda County Medical Center) - Infantile fibromatosis, desmoid-type  
Fontana (Kaiser Foundation Hospital) - Myofibroma  
Glendale - Infantile fibromatosis  
Long Beach (Long Beach VA Medical Center) - Leiomyosarcoma consistent with calcifications  
Orange (Orange County Pathology) - Cranial fasciitis  
Orinda (Kaiser Permanente) - Infantile-type fibromatosis  
Oxnard (St. John's Regional Medical Center) - Myofibromatosis  
San Diego (Naval Medical Center) - Cranial fasciitis  
Santa Barbara (Miramonte Laboratories) - Desmoplastic fibroma  
Woodland Hills (Kaiser Foundation Hospital) - Myofibroma  
Colorado (McKee Medical Center) - Myofibroma  
Colorado (University of Colorado) - Myofibroma  
Florida (Naples Pathology Associates) - Myofibroma  
Georgia, Dunwoody - Cranial fasciitis  
Illinois, Burr Ridge - Myofibroma  
Illinois, Chicago - Leiomyoma (2)  
Illinois (Heartland Regional Medical Center) - Infantile fibromatosis (cannot rule out desmoplastic fibroma)  
Illinois, Oak Brook - Infantile fibromatosis  
Illinois (St. Mary's Hospital) - Infantile myofibromatosis  
Illinois, Wilmette - Juvenile hyaline fibromatosis  
Indiana, Indianapolis - Cranial fasciitis with osseous metaplasia  
Kansas (Cytocheck Laboratory) - Leiomyosarcoma  
Louisiana (LSU-HSC) - Cranial fasciitis vs. infantile myofibromatosis  
Maryland (University of Maryland) - Nodular fasciitis (cranial fasciitis)  
Minnesota (Fairview Ridges Hospital) - Fibromatosis  
Mississippi (University of Mississippi Medical Center) - Myofibroma  
Missouri (Missouri Delta Medical Center) - Fibromatosis  
Nebraska (Creighton University Medical Center) - Infantile myofibromatosis/solitary myofibroma  
New York (Albany Medical Center) - Cranial fasciitis  
New York (Long Island Jewish Medical Center) - Fibromatosis  
New York (St. Lukes Roosevelt Hospital) - Myofibroma, cranial fasciitis  
New York (SUNY Downstate Medical Center) - Cranial fasciitis  
New York (Westchester Medical Center) - Infantile subcutaneous myofibroblastoma  
North Carolina (North Carolina Baptist Hospital) - Fibromatosis

Ohio (Ohio State University Medical Center) - Infantile myelofibrosis (2)  
Ohio, Union Town - Infantile fibromatosis  
Ohio (University of Toledo) - Cranial fasciitis  
Pennsylvania (Drexel University College of Medicine Residents) - Juvenile hyaline fibromatosis  
Pennsylvania (Lehigh Valley Hospital) - Extra-abdominal fibromatosis  
Pennsylvania (Magee Women's Hospital) - Cranial fasciitis (fibromatosis)  
Puerto Rico (University of Puerto Rico) - Fibromatosis infantile  
Texas (Carl R. Darnall Army Medical Center) - Cranial fasciitis  
Texas, Crystal Beach - Leiomyoma  
Texas, Houston - Myoepithelioma  
Texas, Lubbock - Leiomyoma  
Texas (Scott & White Hospital) - Myofibroma  
Texas (University of Texas Health Science Center San Antonio Residents) - Fibromatosis vs. myofibromatosis  
Washington (Seattle VAMC) - Benign myofibroblastoma (myofibrocytoma)  
Washington (University of Washington) - Cranial fasciitis  
West Virginia (Greenbrier Valley Medical Center) - Leiomyoma  
Australia (Royal Prince Alfred Hospital) - Cranial fasciitis, myofibromatosis  
Australia (Royal Hobart Hospital) - Extra-abdominal fibromatosis  
Canada (Pasqua Hospital) - Fibromatosis  
Canada (University of Sherbrooke) - Desmoid tumor  
Ireland (Kerry General Hospital) - Infantile fibrosarcoma  
Japan (Asashi General Hospital) - Infantile myofibromatosis  
Japan (Freelance Practice) - Cranial fasciitis  
Japan (Kanazawa University Graduate School) - Cranial fasciitis  
Japan (Shizuoka Tokushu-Kai Hospital) - Infantile fibromatosis

#### **Case 2 - Diagnosis:**

Myofibroma, skull  
 T-10101, M-88900

#### **Case 2 - References:**

Rahme R, Abadjian G and Samaha E. Solitary Myofibroma of the Skull Presenting Outside Infancy. *Can J Neurol Sci* 2008; 35(3):375-377.  
 Arva NC, Nikas DC, Morris DE, et al. Solitary infantile Myofibromatosis (Myofibroma) of the Skull. A Case Presentation and Histopathological Differential Diagnosis. *Pediatr Dev Pathol* 2008; 11(6):487-488.  
 Gibson SE and Prayson RA. Primary Skull Lesions in the Pediatric Population. A 25-Year Experience. *Arch Pathol Lab Med* 2007; 131(5):761-766.  
 Bodkin PA, Choksey MS and Fagan J. Solitary Calvarial Myofibroma Presenting in Adolescence. *Br J Neurosurg* 2005; 19(5):420-424.  
 Kaplan SS, Ojemann JG, Grange DK, et al. Intracranial Infantile Myofibromatosis with Intraparenchymal Involvement. *Pediatr Neurosurg* 2002; 36(4):214-217.

#### **Case No. 3, Accession No. 31036**

**October 2009**

Alameda (Alameda County Medical Center) - Palisaded myofibroblastoma  
Fontana (Kaiser Foundation Hospital) - Palisaded myofibroblastoma  
Glendale - Palisaded myofibroblastoma with amianthoid fibers  
Long Beach (Long Beach VA Medical Center) - Mesenchymoma with a large component of schwannoma  
Orange (Orange County Pathology) - Intranodal palisaded myofibroblastoma  
Orinda (Kaiser Permanente) - Schwannoma  
Oxnard (St. John's Regional Medical Center) - Schwannoma  
San Diego (Naval Medical Center) - Intranodal palisaded myofibroblastoma  
Santa Barbara (Miramonte Laboratories) - Kaposi's sarcoma  
Woodland Hills (Kaiser Foundation Hospital) - Intranodal palisaded myofibroblastoma  
Colorado (McKee Medical Center) - Spindle cell tumor with amianthoid fibers

Colorado (University of Colorado) - Schwannoma  
Florida (Naples Pathology Associates) - Intranodal palisaded myofibroblastoma with amianthoid fibers  
Georgia, Dunwoody - Palisaded myofibroblastoma  
Illinois, Burr Ridge - Melanoma  
Illinois, Chicago - Malignant melanoma (2)  
Illinois (Heartland Regional Medical Center) - Schwannoma  
Illinois, Oak Brook - Schwannoma  
Illinois (St. Mary's Hospital) - Malignant peripheral nerve sheath tumor or metastatic malignant melanoma  
Illinois, Wilmette - Palisading myofibroblastoma of lymph node  
Indiana, Indianapolis - Palisading myofibroblastoma with amianthoid fibers  
Kansas (Cytocheck Laboratory) - Schwannoma  
Louisiana (LSU-HSC) - Intranodular palisading myofibroblastoma vs. schwannoma  
Maryland (University of Maryland) - Palisaded myofibroblastoma  
Minnesota (Fairview Ridges Hospital) - Palisading myofibroblastoma of lymph node  
Mississippi (University of Mississippi Medical Center) - Palisaded myofibroblastoma  
Missouri (Missouri Delta Medical Center) - Spindle cell melanoma mimicking pigmented schwannoma  
Nebraska (Creighton University Medical Center) - Palisaded myofibroblastoma of lymph node  
New York (Albany Medical Center) - Metastatic melanoma  
New York (Long Island Jewish Medical Center) - Hyalinizing spindle cell tumor with amianthoid fibers  
New York (St. Lukes Roosevelt Hospital) - Angiosarcoma  
New York (SUNY Downstate Medical Center) - Palisaded myofibroblastoma  
New York (Westchester Medical Center) - Intranodal palisaded myofibroblastoma  
North Carolina (North Carolina Baptist Hospital) - Spindle cell/desmoplastic melanoma  
Ohio (Ohio State University Medical Center) - Malignant peripheral nerve sheath tumor (2)  
Ohio, Union Town - Kaposi's sarcoma  
Ohio (University of Toledo) - Palisaded myofibroblastoma of lymph node (intranodal hemorrhagic spindle cell tumor with amianthoid fibers)  
Pennsylvania (Drexel University College of Medicine Residents) - Metastatic melanoma  
Pennsylvania (Lehigh Valley Hospital) - Metastatic melanoma  
Pennsylvania (Magee Women's Hospital) - Metastatic melanoma consistent with schwannoma differentiation  
Puerto Rico (University of Puerto Rico) - Palisaded myofibroblastoma/melanotic schwannoma/low grade fibromyxoid sarcoma with giant rosettes  
Texas (Carl R. Darnall Army Medical Center) - Palisaded myofibroblastoma  
Texas, Crystal Beach - Melanoma spindly, metastatic  
Texas, Houston - Neurofibrosarcoma  
Texas, Lubbock - Metastatic spindle cell melanoma  
Texas (Scott & White Hospital) - Palisaded myofibroblastoma with amianthoid fibers  
Texas (University of Texas Health Science Center San Antonio Residents) - Palisaded myofibroblastoma  
Washington (Seattle VAMC) - Low grade spindle cell neoplasm  
Washington (University of Washington) - Palisading myofibroblastoma/hemorrhagic spindle cell tumor with amianthoid fibers  
West Virginia (Greenbrier Valley Medical Center) - Fibrohistiocytic tumor  
Australia (Royal Prince Alfred Hospital) - Palisaded myofibroblastoma (hemorrhagic spindle-cell tumor with amianthoid fibers)  
Australia (Royal Hobart Hospital) - Intranodal palisaded myofibroblastoma  
Canada (Pasqua Hospital) - Palisaded spindle cell myofibroblastoma  
Canada (University of Sherbrooke) - Metastasis of Kaposi sarcoma  
Ireland (Kerry General Hospital) - Palisaded myofibroblastoma of lymph nodes  
Japan (Asahi General Hospital) - Schwannoma  
Japan (Freelance Practice) - Intranodal palisaded myofibroblastoma  
Japan (Kanazawa University Graduate School) - Palisaded myofibroblastoma of lymph node  
Japan (Shizuoka Tokushu-Kai Hospital) - Palisaded myofibroblastoma

### **Case 3 - Diagnosis:**

Palisaded myofibroblastoma, groin lymph node  
 T-Y7000, M-95800

Case 3 - References:

- Cobanoglu U, Siviloglu C, Ersoz S, et al. Intranodal Palisaded Myofibroblastoma with Metaplastic Bone Formation. *Saudi Med J* 2006; 27(8):1249-1250.
- Koseoglu RD, Ozkan N, et al. Intranodal Palisaded Myofibroblastoma. A Case Report and Review of the Literature. *Pathol Oncol Res* 2009; 15(2):297-300.
- Eyden BP, Harris M, et al. Intranodal Myofibroblastoma. Report of a Case. *Ultrastruct Pathol* 1996; 20(1):79-88.
- Sonwane BR, Zadke PM and Swami SY. Palisaded Myofibroblastoma of Lymph Node. *Indian J Pathol Microbiol* 2008; 51(3):413-414.
- Eyden B. The Myofibroblast. An Assessment of Controversial Issues and a Definition Useful in Diagnosis and Research. *Ultrastruct Pathol* 2001; 25(1):39-50.

**Case No. 4, Accession No. 31075**

**October 2009**

Alameda (Alameda County Medical Center) - Plantar fibromatosis  
Fontana (Kaiser Foundation Hospital) - Fibromatosis  
Glendale - Collagenous fibroma  
Long Beach (Long Beach VA Medical Center) - Fibroma of tendon sheath  
Orange (Orange County Pathology) - Rule out perineuroma  
Orinda (Kaiser Permanente) - Fibromatosis  
Oxnard (St. John's Regional Medical Center) - Fibroma  
San Diego (Naval Medical Center) - Desmoplastic fibroblastoma  
Santa Barbara (Miramonte Laboratories) - Desmoid tumor  
Woodland Hills (Kaiser Foundation Hospital) - Fibromatosis  
Colorado (McKee Medical Center) - Fibroma of tendon sheath  
Colorado (University of Colorado) - Nodular fasciitis  
Florida (Naples Pathology Associates) - Extra-abdominal fibromatosis  
Georgia, Dunwoody - Fibromatosis  
Illinois, Burr Ridge - Plantar fibromatosis  
Illinois, Chicago - Solitary fibrous tumor (2)  
Illinois (Heartland Regional Medical Center) - Recurrent fibromatosis  
Illinois, Oak Brook - Fibromatosis  
Illinois (St. Mary's Hospital) - Plantar fibromatosis  
Illinois, Wilmette - Fibromatosis  
Indiana, Indianapolis - Low grade fibromyxoid sarcoma (Evan's tumor)  
Kansas (Cytocheck Laboratory) - Fibroma  
Louisiana (LSU-HSC) - Fibroma of tendon sheath  
Maryland (University of Maryland) - Plantar fibromatosis  
Minnesota (Fairview Ridges Hospital) - Fibromatosis  
Mississippi (University of Mississippi Medical Center) - Plantar fibromatosis  
Missouri (Missouri Delta Medical Center) - Leiomyoma  
Nebraska (Creighton University Medical Center) - Fibroma of tendon sheath  
New York (Albany Medical Center) - Nodular fasciitis  
New York (Long Island Jewish Medical Center) - Fibromatosis differential low grade fibromyxoid sarcoma  
New York (St. Lukes Roosevelt Hospital) - Fibroma of tendon sheath  
New York (SUNY Downstate Medical Center) - Fibromatosis  
New York (Westchester Medical Center) - Nodular synovitis with traumatic neuroma  
North Carolina (North Carolina Baptist Hospital) - Fibromatosis  
Ohio (Ohio State University Medical Center) - Fibromatosis (2)  
Ohio, Union Town - Fibroma  
Ohio (University of Toledo) - Angiomyoma (vascular leiomyoma)  
Pennsylvania (Drexel University College of Medicine Residents) - Deep benign fibrous histiocytoma  
Pennsylvania (Lehigh Valley Hospital) - Fibroma of tendon sheath  
Pennsylvania (Magee Women's Hospital) - Fibromatosis  
Puerto Rico (University of Puerto Rico) - Plantar fibromatosis  
Texas (Carl R. Darnall Army Medical Center) - Plantar fibromatosis

Texas, Crystal Beach - Plantar fibromatosis  
Texas, Houston - Fibromatosis  
Texas, Lubbock - Nodular fasciitis  
Texas (Scott & White Hospital) - Myofibroblastoma  
Texas (University of Texas Health Science Center San Antonio Residents) - Superficial fibromatosis  
Washington (Seattle VAMC) - Fibromatosis involving tendon  
Washington (University of Washington) - Fibromatosis  
West Virginia (Greenbrier Valley Medical Center) - Plantar fibromatosis  
Australia (Royal Prince Alfred Hospital) - Fibroma of tendon sheath, organoid nodular fasciitis  
Australia (Royal Hobart Hospital) - Extra-abdominal fibromatosis  
Canada (Pasqua Hospital) - Low grade fibromyxosarcoma  
Canada (University of Sherbrooke) - Desmoid tumor  
Ireland (Kerry General Hospital) - Desmoid fibroblastoma  
Japan (Asahi General Hospital) - Fibromatosis  
Japan (Freelance Practice) - Low grade fibromyxoid sarcoma  
Japan (Kanazawa University Graduate School) - Fibroma of tendon sheath  
Japan (Shizuoka Tokushu-Kai Hospital) - Desmoplastic fibroblastoma

#### **Case 4 - Diagnosis:**

Extra-abdominal fibromatosis, foot and ankle  
 T-Y9500, M-76100

#### **Case 4 - References:**

Keltz M, Di Costanzo D, et al. Infantile (Desmoid-Type) Fibromatosis. *Pediatr Dermatol* 1995; 12(2):149-151.  
 Jacob CI and Kumm RC. Benign Anteromedial Plantar Nodules of Childhood. A Distinct Form of Plantar Fibromatosis. *Pediatr Dermatol* 2000; 17(6):472-474.  
 Meng GZ and Zhang HY. Low-Grade Fibromyxoid Sarcoma Versus Fibromatosis. A Comparative Study of Clinicopathological and Immunohistochemical Features. *Cytopathol* 2009; 37(2):96-102.  
 Wcislo G, Szarlej-Wcislo K, Szczylik C, et al. Control of Aggressive Fibromatosis By Treatment with Imatinib Mesylate. A Case Report and Review of the Literature. *Cancer Res Clin Oncol* 2007; 133(8):533-538.  
 Lazar AJ, Hajibashi S and Lev D. Desmoid Tumor. From Surgical Extirpation to Molecular Dissection. *Curr Opin Oncol* 2009; 21(4):352-359.

#### **Case No. 5, Accession No. 30988**

**October 2009**

Alameda (Alameda County Medical Center) - Cellular angiofibroma  
Fontana (Kaiser Foundation Hospital) - Solitary fibrous tumor  
Glendale - Epithelioid GIST  
Long Beach (Long Beach VA Medical Center) - Lymphangiosarcoma  
Orange (Orange County Pathology) - Hemangiopericytoma/SFT with myxoid change  
Orinda (Kaiser Permanente) - Cellular angiofibroma  
Oxnard (St. John's Regional Medical Center) - Epithelioid sarcoma  
San Diego (Naval Medical Center) - Solitary fibrous tumor  
Santa Barbara (Miramonte Laboratories) - Epithelioid sarcoma  
Woodland Hills (Kaiser Foundation Hospital) - Synovial sarcoma  
Colorado (McKee Medical Center) - Solitary fibrous tumor  
Colorado (University of Colorado) - Cellular angiofibroma  
Florida (Naples Pathology Associates) - Hemangiopericytoma  
Georgia, Dunwoody - Glomangioma  
Illinois, Burr Ridge - Atypical solitary fibrous tumor  
Illinois, Chicago - Synovial sarcoma (2)  
Illinois (Heartland Regional Medical Center) - Round cell liposarcoma (myxoid liposarcoma, cellular)  
Illinois, Oak Brook - Hemangiopericytoma  
Illinois (St. Mary's Hospital) - PECOMA (glomus tumor)  
Illinois, Wilmette - Solitary fibrous tumor  
Indiana, Indianapolis - Atypical solitary fibrous tumor

Kansas (Cytocheck Laboratory) - Myxoid liposarcoma, round cell  
Louisiana (LSU-HSC) - Hemangiopericytoma  
Maryland (University of Maryland) - Hemangiopericytoma  
Minnesota (Fairview Ridges Hospital) - Hemangiopericytoma, solitary fibrous tumor  
Mississippi (University of Mississippi Medical Center) - Solitary fibrous tumor  
Missouri (Missouri Delta Medical Center) - Cellular angiofibroma  
Nebraska (Creighton University Medical Center) - Solitary fibrous tumor  
New York (Albany Medical Center) - Solitary fibrous tumor/hemangiopericytoma  
New York (Long Island Jewish Medical Center) - Synovial sarcoma vs. epithelioid hemangioendothelioma vs. solitary fibrous tumor  
New York (St. Lukes Roosevelt Hospital) - Solitary fibrous tumor, cellular variant  
New York (SUNY Downstate Medical Center) - Hemangiopericytoma  
New York (Westchester Medical Center) - Round cell liposarcoma  
North Carolina (North Carolina Baptist Hospital) - Hemangiopericytomatous solitary fibrous tumor  
Ohio (Ohio State University Medical Center) - Solitary fibrous tumor (1); Hemangiopericytoma (1)  
Ohio, Union Town - Solitary fibrous tumor  
Ohio (University of Toledo) - Cellular angiofibroma  
Pennsylvania (Drexel University College of Medicine Residents) - Solitary fibrous tumor  
Pennsylvania (Lehigh Valley Hospital) - Solitary fibrous tumor  
Pennsylvania (Magee Women's Hospital) - Cellular angiomyxofibroma  
Puerto Rico (University of Puerto Rico) - Synovial sarcoma/hemangiopericytoma/liposarcoma  
Texas (Carl R. Darnall Army Medical Center) - Synovial sarcoma  
Texas, Crystal Beach - Angiomatoid histiocytoma  
Texas, Houston - Hemangioendothelioma  
Texas, Lubbock - Angiomyofibroblastoma  
Texas (Scott & White Hospital) - Solitary fibrous tumor  
Texas (University of Texas Health Science Center San Antonio Residents) - Solitary fibrous tumor  
Washington (Seattle VAMC) - Solitary fibrous tumor  
Washington (University of Washington) - Solitary fibrous tumor/hemangiopericytoma  
West Virginia (Greenbrier Valley Medical Center) - Dermatofibroma protuberans  
Australia (Royal Prince Alfred Hospital) - Solitary fibrous tumor  
Australia (Royal Hobart Hospital) - Solitary fibrous tumor  
Canada (Pasqua Hospital) - Solitary fibrous tumor  
Canada (University of Sherbrooke) - Fibrous solitary tumor  
Ireland (Kerry General Hospital) - Cellular angiofibroma  
Japan (Asahi General Hospital) - Myxoid liposarcoma  
Japan (Freelance Practice) - Malignant solitary fibrous tumor  
Japan (Kanazawa University Graduate School) - Hemangiopericytoma  
Japan (Shizuoka Tokushu-Kai Hospital) - Myxoid liposarcoma

#### **Case 5 - Diagnosis:**

Malignant solitary fibrous tumor, vulva  
 T-80100, M-90510

**Outside Consultation:** Dr. Christopher Fletcher, "Malignant extra pleural solitary fibrous tumor."

#### **Case 5 - References:**

Nielsen GP, O'Connell JX, et al. Solitary Fibrous Tumor of Soft Tissue. A Report of 15 Cases, Including 5 Malignant Examples with Light Microscopic, Immunohistochemical and Ultrastructural Data. *Mod Pathol* 1997; 10(10):1028-1037.  
 Cranshaw IM, Gikas PD, Fisher C, et al. Clinical Outcomes of Extra-Thoracic Solitary Fibrous Tumours. *Eur J Surg Oncol* 2009; 35(9):994-998.  
 Park MS and Araujo DM. New Insights Into the Hemangiopericytoma/Solitary Fibrous Tumor Spectrum of Tumors. *Curr Opin Oncol* 2009; 21(4):327-331.  
 Insabato L, Siano M, et al. Extrapleural Solitary Fibrous Tumor. A Clinicopathologic Study of 19 Cases. *Int J Surg Pathol* 2009; 17(3):250-254.  
 Torres-Olivera FJ, Vargas MT, et al. Cytogenetic, Fluorescence In-Situ Hybridization, and Immunohistochemistry Studies in a Malignant Pleural Solitary Fibrous Tumor. *Cancer Genet Cytogenet* 2009; 189(2):122-126.

**Case No. 6, Accession No. 30828**

**October 2009**

Alameda (Alameda County Medical Center) - Perineurioma  
Fontana (Kaiser Foundation Hospital) - Neurothekeoma  
Glendale - Perineurioma  
Long Beach (Long Beach VA Medical Center) - Inflammatory pseudotumor  
Orange (Orange County Pathology) - Monophasic synovial sarcoma  
Orinda (Kaiser Permanente) - Soft tissue perineurioma  
Oxnard (St. John's Regional Medical Center) - Malignant fibrous histiocytoma  
San Diego (Naval Medical Center) - Monophasic synovial sarcoma, extraneural perineurioma  
Santa Barbara (Miramonte Laboratories) - Neurofibroma  
Woodland Hills (Kaiser Foundation Hospital) - Monophasic synovial sarcoma  
Colorado (McKee Medical Center) - Monophasic synovial sarcoma  
Colorado (University of Colorado) - Perineurioma  
Florida (Naples Pathology Associates) - Fibromyxoma  
Georgia, Dunwoody - Perineurioma  
Illinois, Burr Ridge - Epithelioid sarcoma  
Illinois, Chicago - Epithelioid sarcoma (2)  
Illinois (Heartland Regional Medical Center) - Spindle cell sarcoma, NOS, Low grade (possible epithelioid sarcoma)  
Illinois, Oak Brook - Inflammatory pseudotumor  
Illinois (St. Mary's Hospital) - Epithelioid sarcoma  
Illinois, Wilmette - Nodular fasciitis  
Indiana, Indianapolis - Extraneural perineurioma  
Kansas (Cytocheck Laboratory) - Fibrosarcoma  
Louisiana (LSU-HSC) - Intermediate grade sarcoma consistent with malignant fibrous histiocytoma  
Maryland (University of Maryland) - Epithelioid sarcoma  
Minnesota (Fairview Ridges Hospital) - Perineurioma vs. ectopic meningioma  
Mississippi (University of Mississippi Medical Center) - Meningioma, atypical  
Missouri (Missouri Delta Medical Center) - Cat scratch  
Nebraska (Creighton University Medical Center) - Soft tissue perineurioma  
New York (Albany Medical Center) - Perineurioma  
New York (Long Island Jewish Medical Center) - Monophasic synovial sarcoma  
New York (St. Lukes Roosevelt Hospital) - Perineurioma  
New York (SUNY Downstate Medical Center) - Inflammatory pseudotumor  
New York (Westchester Medical Center) - Monophasic synovial sarcoma  
North Carolina (North Carolina Baptist Hospital) - Benign reactive myofibroblastic lesion  
Ohio (Ohio State University Medical Center) - Perineurioma (2)  
Ohio, Union Town - Extracranial meningioma  
Ohio (University of Toledo) - Inflammatory myofibroblastic tumor  
Pennsylvania (Drexel University College of Medicine Residents) - Sclerosing epithelioid fibrosarcoma  
Pennsylvania (Lehigh Valley Hospital) - Meningioma  
Pennsylvania (Magee Women's Hospital) - Perineuroma  
Puerto Rico (University of Puerto Rico) - Monophasic synovial sarcoma/cutaneous meningioma  
Texas (Carl R. Darnall Army Medical Center) - Inflammatory myofibroblastic tumor  
Texas, Crystal Beach - Myoepithelioma  
Texas, Lubbock - Solitary fibrous tumor  
Texas (Scott & White Hospital) - Perineurioma  
Texas (University of Texas Health Science Center San Antonio Residents) - Synovial sarcoma  
Washington (Seattle VAMC) - Synovial sarcoma  
Washington (University of Washington) - Perineurioma  
West Virginia (Greenbrier Valley Medical Center) - Extra-abdominal fibromatosis  
Australia (Royal Prince Alfred Hospital) - Superficial angiomyxoma, prineurioma

Australia (Royal Hobart Hospital) - Low grade fibromyxoid sarcoma (infracted)  
Canada (Pasqua Hospital) - Perineurioma  
Canada (University of Sherbrooke) - Ossifying fibromyxoid tumor, non ossificant type  
Ireland (Kerry General Hospital) - Perineurioma  
Japan (Asashi General Hospital) - Synovial sarcoma  
Japan (Freelance Practice) - Soft tissue perineuroma  
Japan (Kanazawa University Graduate School) - Perineurioma  
Japan (Shizuoka Tokushu-Kai Hospital) - Fibromatosis

**Case 6 - Diagnosis:**

Malignant perineurioma (perineural MPNST), axilla  
 T-Y8100, M-95603

**Consultation:** A. Folpe, M.D.; Mayo Clinic, Rochester, MN, “Perineural malignant peripheral nerve sheath sarcoma.”

**Case 6 - References:**

Hirose T, Maeda T, et al. Malignant Peripheral Nerve Sheath Tumor of the Pancreas with Perineurial Cell Differentiation. *Ultrastruct Pathol* 1998; 22(3):227-231.  
 Gabhane SK, Kotwal MN, et al. Morphological Spectrum of Peripheral Nerve Sheath Tumors. A Series of 126 Cases. *Indian J Pathol Microbiol* 2009; 52(1):29-33.  
 Brems H, Beert E, et al. Mechanisms in the Pathogenesis of Malignant Tumours in Neurofibromatosis Type 1. *Lancet Oncol* 2009; 10(5):508-515.  
 Begin LR. Perineurioma of the Finger. Case Report of a Rare Peripheral Nerve Sheath Neoplasm of Pure Perineurial Cell Lineage. *J Hand Surg Am* 1998; 23(2):342-347.  
 Houreih MA, Eyden B, et al. A Case of Fibroblastic Low-Grade Malignant Peripheral Nerve Sheath Tumor. A True Neurofibrosarcoma. *Ultrastruct Pathol* 2007; 31(5):347-356.

**Case No. 7, Accession No. 30975**

**October 2009**

Alameda (Alameda County Medical Center) - Clear cell sarcoma  
Fontana (Kaiser Foundation Hospital) - Melanoma  
Glendale - Low grade sarcoma  
Long Beach (Long Beach VA Medical Center) - Malignant gastrointestinal stromal tumor (malignant GIST)  
Orange (Orange County Pathology) - Myxoid sarcoma favor myxoid MFH  
Oxnard (St. John’s Regional Medical Center) - Sarcoma  
San Diego (Naval Medical Center) - Malignant fibrous histiocytoma, myxoid type  
Santa Barbara (Miramonte Laboratories) - Poorly differentiated myxoid sarcoma  
Woodland Hills (Kaiser Foundation Hospital) - Metastatic GIST  
Colorado (McKee Medical Center) - Angiofibroma  
Colorado (University of Colorado) - Fibromyxoid sarcoma  
Florida (Naples Pathology Associates) - Cellular angiofibroma  
Georgia, Dunwoody - Myxofibrosarcoma  
Illinois, Burr Ridge - Extra-gastrointestinal stromal tumor  
Illinois, Chicago - PNET (2)  
Illinois (Heartland Regional Medical Center) - Myxoid sarcoma, high grade (possible extra-gastrointestinal GIST)  
Illinois, Oak Brook - Extra GI GIST with malignant features  
Illinois (St. Mary’s Hospital) - Extracutaneous mastocytoma  
Illinois, Wilmette - Sinonasal-type hemangiopericytoma  
Indiana, Indianapolis - Low grade fibromyxoid sarcoma  
Kansas (Cytocheck Laboratory) - Stromal tumor  
Louisiana (LSU-HSC) - Malignant hemangiopericytoma  
Maryland (University of Maryland) - Angiofibroma  
Minnesota (Fairview Ridges Hospital) - Extraskelatal myxoid chondrosarcoma  
Mississippi (University of Mississippi Medical Center) - Malignant rhabdoid tumor  
Missouri (Missouri Delta Medical Center) - Sarcoma, NOS  
Nebraska (Creighton University Medical Center) - Extra gastrointestinal GIST

New York (Albany Medical Center) - Malignant solitary fibrous tissue  
New York (Long Island Jewish Medical Center) - Myxofibrosarcoma  
New York (St. Lukes Roosevelt Hospital) - Malignant fibrous histiocytoma  
New York (SUNY Downstate Medical Center) - Extra gastrointestinal GIST  
New York (Westchester Medical Center) - Perivascular epithelioid cell tumor  
North Carolina (North Carolina Baptist Hospital) - Sarcoma, NOS  
Ohio (Ohio State University Medical Center) - Nasopharyngeal angiofibroma (2)  
Ohio, Union Town - Fibromyoma  
Ohio (University of Toledo) - Nasopharyngeal angiofibroma  
Pennsylvania (Drexel University College of Medicine Residents) - Glomangiopericytoma  
Pennsylvania (Lehigh Valley Hospital) - Myxoid variant of MFH  
Pennsylvania (Magee Women's Hospital) - C-kit positive sarcoma  
Puerto Rico (University of Puerto Rico) - Pleomorphic sarcoma/mast cell sarcoma  
Texas (Carl R. Darnall Army Medical Center) - Myxofibrosarcoma  
Texas, Crystal Beach - Fibromatosis  
Texas, Houston - Esthesioneuroblastoma  
Texas, Lubbock - Extra gastrointestinal stromal tumor  
Texas (Scott & White Hospital) - Spindle cell sarcoma  
Texas (University of Texas Health Science Center San Antonio Residents) - Hemangiopericytoma  
Washington (Seattle VAMC) - Malignant neoplasm associated with benign blood vessels  
Washington (University of Washington) - GIST  
West Virginia (Greenbrier Valley Medical Center) - Olfactory neuroblastoma  
Australia (Royal Prince Alfred Hospital) - Myxofibrosarcoma  
Australia (Royal Hobart Hospital) - Myxoid malignant fibrous histiocytoma  
Canada (Pasqua Hospital) - Rhabdomyosarcoma  
Canada (University of Sherbrooke) - GIST extragastrointestinal  
Ireland (Kerry General Hospital) - Giant cell angiofibroma  
Japan (Asashi General Hospital) - Myxoid liposarcoma  
Japan (Freelance Practice) - Malignant angiofibromatous lesion  
Japan (Kanazawa University Graduate School) - Malignant peripheral nerve sheath tumor  
Japan (Shizuoka Tokushu-Kai Hospital) - Myxofibrosarcoma

#### **Case 7 - Diagnosis:**

Myxofibrosarcoma ("myxoid MFH"), maxilla and orbit  
 T-Y0480/T-10170, M-88303

#### **Case 7 - References:**

Shields JA, Husson M, Shields CL, et al. Orbital Malignant Fibrous Histiocytoma Following Irradiation for Retinoblastoma. *Ophthal Plast Reconstr Surg* 2001; 17(1):58-61.  
 Pandey M, Thomas G, Mathew A, Abraham EK, et al. Sarcoma of the Oral and Maxillofacial Soft Tissue in Adults. *Eur J Surg Oncol* 2000; 26(2):145-148.  
 Li KK, Fabian RL and Goodman ML. Malignant Fibrous Histiocytoma After Radiation for Ameloblastoma of the Maxilla. *J Oral Maxillofac Surg* 1997; 55(1):85-88.  
 Lin SK, How SW, Wang JT, et al. Oral Post-Radiation Malignant Fibrous Histiocytoma. A Clinicopathological Study. *J Oral Pathol Med* 1994; 23(7):324-329.  
 Besly W, Wiesenfeld D, Kleid S, et al. Malignant Fibrous Histiocytoma of the Maxilla. A Report of Two Cases. *Br J Oral Maxillofac Surg* 1993; 31(1):45-48.

#### **Case No. 8, Accession No. 31015**

**October 2009**

Alameda (Alameda County Medical Center) - Embryonal rhabdomyosarcoma  
Fontana (Kaiser Foundation Hospital) - Rhabdomyosarcoma  
Glendale - Embryonal rhabdomyosarcoma with anaplasia  
Long Beach (Long Beach VA Medical Center) - Rhabdomyosarcoma  
Orange (Orange County Pathology) - Rhabdomyosarcoma  
Orinda (Kaiser Permanente) - Rhabdomyosarcoma

Oxnard (St. John's Regional Medical Center) - Rhabdomyosarcoma  
San Diego (Naval Medical Center) - Embryonal rhabdomyosarcoma  
Santa Barbara (Miramonte Laboratories) - Rhabdomyosarcoma  
Woodland Hills (Kaiser Foundation Hospital) - Rhabdomyosarcoma  
Colorado (McKee Medical Center) - Rhabdomyosarcoma  
Colorado (University of Colorado) - Malignant extrarenal rhabdoid tumor  
Florida (Naples Pathology Associates) - Rhabdomyosarcoma  
Georgia, Dunwoody - Rhabdomyosarcoma  
Illinois, Burr Ridge - Embryonal rhabdomyosarcoma  
Illinois, Chicago - Embryonal rhabdomyosarcoma  
Illinois (Heartland Regional Medical Center) - Embryonal rhabdomyosarcoma  
Illinois, Oak Brook - Embryonal rhabdomyosarcoma  
Illinois (St. Mary's Hospital) - Embryonal rhabdomyosarcoma  
Illinois, Wilmette - Embryonal rhabdomyosarcoma  
Indiana, Indianapolis - Embryonal rhabdomyosarcoma  
Kansas (Cytocheck Laboratory) - Rhabdomyosarcoma  
Louisiana (LSU-HSC) - Embryonal rhabdomyosarcoma  
Maryland (University of Maryland) - Rhabdomyosarcoma  
Minnesota (Fairview Ridges Hospital) - Rhabdomyosarcoma  
Mississippi (University of Mississippi Medical Center) - Embryonal rhabdomyosarcoma  
Missouri (Missouri Delta Medical Center) - Rhabdomyosarcoma  
Nebraska (Creighton University Medical Center) - Embryonal rhabdomyosarcoma  
New York (Albany Medical Center) - Embryonal rhabdomyosarcoma  
New York (Long Island Jewish Medical Center) - Embryonal rhabdomyosarcoma with diffuse anaplasia  
New York (St. Lukes Roosevelt Hospital) - Rhabdomyosarcoma, embryonal  
New York (SUNY Downstate Medical Center) - Embryonal rhabdomyosarcoma  
New York (Westchester Medical Center) - Embryonal rhabdomyosarcoma  
North Carolina (North Carolina Baptist Hospital) - Botryoid embryonal rhabdomyosarcoma  
Ohio (Ohio State University Medical Center) - Rhabdomyosarcoma (2)  
Ohio, Union Town - Embryonal rhabdomyosarcoma  
Ohio (University of Toledo) - Embryonal rhabdomyosarcoma  
Pennsylvania (Drexel University College of Medicine Residents) - Rhabdomyosarcoma  
Pennsylvania (Lehigh Valley Hospital) - Embryonal rhabdomyosarcoma  
Pennsylvania (Magee Women's Hospital) - Rhabdomyosarcoma, embryonal subtype  
Puerto Rico (University of Puerto Rico) - Rhabdomyosarcoma  
Texas (Carl R. Darnall Army Medical Center) - Embryonal rhabdomyosarcoma  
Texas, Crystal Beach - Rhabdomyosarcoma  
Texas, Houston - Rhabdomyosarcoma  
Texas, Lubbock - Rhabdomyosarcoma  
Texas (Scott & White Hospital) - Rhabdomyosarcoma  
Texas (University of Texas Health Science Center San Antonio Residents) - Embryonal rhabdomyosarcoma  
Washington (Seattle VAMC) - Rhabdomyosarcoma  
Washington (University of Washington) - Rhabdomyosarcoma  
West Virginia (Greenbrier Valley Medical Center) - Rhabdoid tumor  
Australia (Royal Prince Alfred Hospital) - Rhabdomyosarcoma  
Australia (Royal Hobart Hospital) - Embryonal rhabdomyosarcoma  
Canada (Pasqua Hospital) - Rhabdomyosarcoma  
Canada (University of Sherbrooke) - Rhabdomyosarcoma  
Ireland (Kerry General Hospital) - Paratesticular rhabdomyosarcoma  
Japan (Asahi General Hospital) - Rhabdomyosarcoma  
Japan (Freelance Practice) - Embryonal rhabdomyosarcoma  
Japan (Kanazawa University Graduate School) - Embryonal rhabdomyosarcoma  
Japan (Shizuoka Tokushu-Kai Hospital) - Embryonal rhabdomyosarcoma

#### **Case 8 - Diagnosis:**

Embryonal rhabdomyosarcoma, testis  
 T-78000, M-89103

Case 8 - References:

- Kishore B, Khare P, Gupta RJ, et al. A Rare Case of Paratesticular Pleomorphic Rhabdomyosarcoma Diagnosed by Fine Needle Aspiration. A Case Report. *Diagn Cytopathol* 2009; 29.
- Clevenger JA, Foster RS and Ulbright TM. Differentiated Rhabdomyomatous Tumors After Chemotherapy for Metastatic Testicular Germ-Cell Tumors. A Clinicopathological Study of Seven Cases Mandating Separation From Rhabdomyosarcoma. *Mod Pathol* 2009; 22(10):1361-1366.
- Valeri RM, Papanikolaou A, Panagiotou A, et al. A Rare Case of Paratesticular Embryonal Rhabdomyosarcoma Diagnosed by Fine Needle Aspiration. A Case Report. *Acta Cytol* 2009; 53(3):319-322.
- McLean TW and Castellino SM. Pediatric Genitourinary Tumors. *Curr Opin Oncol* 2008; 20(3):315-320.
- Daneshbod Y, Monabati A, Kumar PV and et al. Paratesticular Spindle Cell Rhabdomyosarcoma Diagnosed by Fine Needle Aspiration Cytology. A Case Report. *Acta Cytol* 2005; 49(3):331-334.

**Case No. 9, Accession No. 30634**

**October 2009**

Alameda (Alameda County Medical Center) - Gastrointestinal stromal tumor

Fontana (Kaiser Foundation Hospital) - Gastrointestinal stromal tumor

Glendale - Gastrointestinal stromal tumor

Long Beach (Long Beach VA Medical Center) - Malignant gastrointestinal stromal tumor (GIST)

Orange (Orange County Pathology) - Gastrointestinal stromal tumor

Orinda (Kaiser Permanente) - Gastrointestinal stromal tumor

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

San Diego (Naval Medical Center) - Gastrointestinal stromal tumor

Santa Barbara (Miramonte Laboratories) - Gastrointestinal stromal tumor

Woodland Hills (Kaiser Foundation Hospital) - Gastrointestinal stromal tumor

Colorado (McKee Medical Center) - Gastrointestinal stromal tumor

Colorado (University of Colorado) - Gastrointestinal stromal tumor

Florida (Naples Pathology Associates) - Gastrointestinal stromal tumor

Georgia, Dunwoody - Gastrointestinal stromal tumor

Illinois, Burr Ridge - Gastrointestinal stromal tumor

Illinois, Chicago - Gastrointestinal stromal tumor (2)

Illinois (Heartland Regional Medical Center) - Gastrointestinal stromal tumor, malignant

Illinois (St. Mary's Hospital) - Gastrointestinal stromal tumor

Illinois, Wilmette - Gastrointestinal stromal tumor

Indiana, Indianapolis - Gastrointestinal stromal tumor

Kansas (Cytocheck Laboratory) - Gastrointestinal stromal tumor

Louisiana (LSU-HSC) - Gastrointestinal stromal tumor

Maryland (University of Maryland) - Gastrointestinal stromal tumor

Minnesota (Fairview Ridges Hospital) - Gastrointestinal stromal tumor

Mississippi (University of Mississippi Medical Center) - Gastrointestinal stromal tumor

Missouri (Missouri Delta Medical Center) - Gastrointestinal stromal tumor

Nebraska (Creighton University Medical Center) - Gastrointestinal stromal tumor

New York (Albany Medical Center) - Gastrointestinal stromal tumor, high risk

New York (Long Island Jewish Medical Center) - Malignant GIST

New York (St. Lukes Roosevelt Hospital) - Gastrointestinal stromal tumor with high risk

New York (SUNY Downstate Medical Center) - Gastrointestinal stromal tumor

New York (Westchester Medical Center) - Gastrointestinal stromal tumor (GIST)

North Carolina (North Carolina Baptist Hospital) - Malignant gastrointestinal stromal tumor

Ohio (Ohio State University Medical Center) - Gastrointestinal stromal tumor (2)

Ohio, Union Town - Malignant gastrointestinal stromal tumor

Ohio (University of Toledo) - Gastrointestinal stromal tumor (GIST)

Pennsylvania (Drexel University College of Medicine Residents) - Gastrointestinal stromal tumor

Pennsylvania (Lehigh Valley Hospital) - Gastrointestinal stromal tumor

Pennsylvania (Magee Women's Hospital) - Gastrointestinal stromal tumor

Puerto Rico (University of Puerto Rico) - Gastrointestinal stromal tumor

Texas (Carl R. Darnall Army Medical Center) - Gastrointestinal stromal tumor

Texas, Crystal Beach - Gastrointestinal stromal tumor  
Texas, Houston - Gastrointestinal stromal tumor, high grade  
Texas, Lubbock - Gastrointestinal stromal tumor  
Texas (Scott & White Hospital) - Gastrointestinal stromal tumor  
Texas (University of Texas Health Science Center San Antonio Residents) - Gastrointestinal stromal tumor  
Washington (Seattle VAMC) - Gastrointestinal stromal tumor, high grade growth  
Washington (University of Washington) - Gastrointestinal stromal tumor  
West Virginia (Greenbrier Valley Medical Center) - Gastrointestinal stromal tumor  
Australia (Royal Prince Alfred Hospital) - Gastrointestinal stromal tumor  
Australia (Royal Hobart Hospital) - Gastrointestinal stromal tumor  
Canada (Pasqua Hospital) - Gastrointestinal stromal tumor, malignant  
Canada (University of Sherbrooke) - Gastrointestinal stromal tumor  
Ireland (Kerry General Hospital) - Gastrointestinal stromal tumor  
Japan (Asahi General Hospital) - Gastrointestinal stromal tumor  
Japan (Freelance Practice) - Malignant gastrointestinal stromal tumor  
Japan (Kanazawa University Graduate School) - Gastrointestinal stromal tumor  
Japan (Shizuoka Tokushu-Kai Hospital) - Gastrointestinal stromal tumor

#### **Case 9 - Diagnosis:**

Gastrointestinal stromal tumor (GIST), stomach and right colon  
 T-67000, M-88903

#### **Case 9 - References:**

Woodall CE, Brock GN, et al. An Evaluation of 2537 Gastrointestinal Stromal Tumors for a Proposed Clinical Staging System. *Arch Surg* 2009; 144(7):670-678.  
 Adamiak A, Lee CH, et al. Duodenal Epithelioid Gastrointestinal Stromal Tumor with Prominent Granular Cell Features. *Hum Pathol* 2009; 40(4):599-602.  
 Takahashi Y, Shimizu S, et al. Gastrointestinal Stromal Tumor in the Duodenum Exhibiting Hemangiopericytoma-Like Histological Pattern. *Pathol Int* 2009; 59(2):98-101.  
 Hsu KH, Yang TM, Shan YS, et al. Tumor Size is a Major Determinant of Recurrence in Patients with Resectable Gastrointestinal Stromal Tumor. *Am J Surg* 2007; 194(2):148-152.  
 Do IG, Park CK, and Kim KM. Gastrointestinal Stromal Tumour with Osteoclast-Like Giant Cells and Aneurysmal Bone Cyst-Like Features. *Pathol* 2009; 41(4):396-397.

#### **Case No. 10, Accession No. 30891**

**October 2009**

Alameda (Alameda County Medical Center) - Pleomorphic undifferentiated sarcoma with chondroid differentiation  
Fontana (Kaiser Foundation Hospital) - Sarcoma  
Glendale - Chondroblastic osteosarcoma  
Long Beach (Long Beach VA Medical Center) - Sarcoma, NOS  
Orange (Orange County Pathology) - Osteosarcoma  
Orinda (Kaiser Permanente) - Chondrosarcoma  
Oxnard (St. John's Regional Medical Center) - Chondrosarcoma  
San Diego (Naval Medical Center) - Chondroblastic osteosarcoma  
Santa Barbara (Miramonte Laboratories) - Rhabdomyosarcoma  
Woodland Hills (Kaiser Foundation Hospital) - High grade sarcoma  
Colorado (McKee Medical Center) - Chondroblastic osteosarcoma  
Colorado (University of Colorado) - High grade chondrosarcoma  
Florida (Naples Pathology Associates) - Extraskeletal mesenchymal chondrosarcoma  
Georgia, Dunwoody - Chondroblastic osteosarcoma  
Illinois, Burr Ridge - Mesenchymal chondrosarcoma  
Illinois, Chicago - Sclerosing rhabdomyosarcoma (1); Chondrosarcoma (1)  
Illinois (Heartland Regional Medical Center) - Cardiac osteosarcoma  
Illinois (St. Mary's Hospital) - Metastatic osteosarcoma  
Illinois, Wilmette - Dedifferentiated chondrosarcoma

Indiana, Indianapolis - Osteosarcoma  
Kansas (Cytocheck Laboratory) - Sarcoma  
Louisiana (LSU-HSC) - Chondroblastic osteosarcoma vs. extraskeletal osteosarcoma  
Maryland (University of Maryland) - Pleomorphic sarcoma with osteosarcoma and chondrosarcoma  
Minnesota (Fairview Ridges Hospital) - Malignant mesenchymoma  
Mississippi (University of Mississippi Medical Center) - Chondroblastic osteosarcoma  
Missouri (Missouri Delta Medical Center) - Osteosarcoma  
Nebraska (Creighton University Medical Center) - Malignant mesenchymoma  
New York (Albany Medical Center) - Rhabdomyosarcoma with divergent differentiation  
New York (Long Island Jewish Medical Center) - Malignant mesenchymoma of intimal origin with divergent differentiation  
New York (St. Lukes Roosevelt Hospital) - Malignant mesenchymoma, malignant mesenchymal neoplasm with chondrosarcoma of rhabdomyosarcoma components  
New York (SUNY Downstate Medical Center) - Dedifferentiated chondrosarcoma  
New York (Westchester Medical Center) - Metastatic osteosarcoma  
North Carolina (North Carolina Baptist Hospital) - Rhabdomyosarcoma with heterologous differentiation  
Ohio (Ohio State University Medical Center) - Malignant mesenchymoma of the heart (2)  
Ohio, Union Town - Mesenchymal chondrosarcoma  
Ohio (University of Toledo) - Chondrosarcoma/osteosarcoma/myosarcoma/fibrosarcoma  
Pennsylvania (Drexel University College of Medicine Residents) - Mesenchymal chondrosarcoma  
Pennsylvania (Lehigh Valley Hospital) - Chondroblastic osteosarcoma  
Pennsylvania (Magee Women's Hospital) - Malignant mesenchymoma  
Puerto Rico (University of Puerto Rico) - Pleomorphic leiomyosarcoma with chondrosarcomatous and osteosarcomatous differentiation  
Texas (Carl R. Darnall Army Medical Center) - Chondrosarcoma, osteosarcoma and fibrosarcoma (malignant mesenchymoma)  
Texas, Crystal Beach - Malignant mesenchymoma (chondro-osteo, rhabdo, fibrosarcoma)  
Texas, Houston - Malignant mesenchymoma  
Texas, Lubbock - Chondrosarcoma  
Texas (Scott & White Hospital) - Pulmonary artery sarcoma  
Texas (University of Texas Health Science Center San Antonio Residents) - Mesenchymal chondrosarcoma vs. mixed mesenchymal neoplasm  
Washington (Seattle VAMC) - Malignant stromal neoplasm consistent with fibroma, muscle and chondrous differentiation  
Washington (University of Washington) - Osteosarcoma  
West Virginia (Greenbrier Valley Medical Center) - Cardiac teratoma  
Australia (Royal Prince Alfred Hospital) - Dedifferentiated chondrosarcoma with osteosarcoma  
Australia (Royal Hobart Hospital) - High grade cardiac osteosarcoma  
Canada (Pasqua Hospital) - Pulmonary vessel sarcoma  
Canada (University of Sherbrooke) - Osteosarcoma with chondrogenic areas  
Ireland (Kerry General Hospital) - Osteosarcoma  
Japan (Asahi General Hospital) - Extraskeletal osteosarcoma  
Japan (Freelance Practice) - Malignant mesenchymoma  
Japan (Kanazawa University Graduate School) - Osteosarcoma  
Japan (Shizuoka Tokushu-Kai Hospital) - Malignant mesenchymoma

#### **Case 10 - Diagnosis:**

Malignant mesenchymoma (pleomorphic sarcoma, osteosarcoma, chondrosarcoma, rhabdomyosarcoma), left atrium

T-32000, M-91803

#### **Case 10 - References:**

Burke A. Primary Malignant Cardiac Tumors. *Semin Diagn Pathol* 2008 25(1):39-46.  
 Caballero Pe. Left Atrial Sarcoma Presenting as Cerebral Infarction. *Neurologist* 2008; 14(2):131-133.  
 Neragi-Miandoab S, Kim J, et al. Malignant Tumours of the Heart. A Review of Tumour Type, Diagnosis and Therapy. *Clin Oncol* 2007; 19(10):748-756.

Zhang PJ, Brooks JS, Goldblum JR, et al. Primary Cardiac Sarcomas. A Clinicopathologic Analysis of a Series with Follow-Up Information in 17 Patients and Emphasis on Long-Term Survival. *Hum Pathol* 2008; 39(9):1385-1395.

Simpson L, Kumar SK, et al. Malignant Primary Cardiac Tumors. Review of a Single Institution Experience. *Cancer* 2008; 112(11):2440-2446.