



CALIFORNIA  
TUMOR TISSUE REGISTRY

## *SOFT TISSUE & BONE PATHOLOGY*

Minutes – Subscription A

November 2011



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

DOG1 Utility in diagnosing gastrointestinal stromal tumors on fine-needle aspiration. *Cancer Cytopathol* 2011; 119:202-208. Fatima N, Cohen C, and Siddiqui MT.  
Oncofetal Protein IMP3, a new diagnostic biomarker to distinguish malignant mesothelioma from reactive mesothelial proliferation. *Am J Surg Pathol* 2011; 35:878-882. Shi M, Fraire AE, et al.  
Gastrointestinal stromal tumor markers in cutaneous melanomas: relationship to prognostic factors and outcome. *Am J Clin Pathol* 2011; 136:74-80. Gonzalez Rs, Carlson G, et al.  
Benign mucoccele-like lesions of the breast: Revisited. *Mod Pathol* 2011; 24: 683-687. Jaffer S, Bleiweiss IJ, Nagi CS.  
Persistent melanocytic nevi: A review and analysis of 205 cases. *J Cutan Pathol* 2011; 38:503-507. Sommer LL, Barcia SM, et al.

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## FILE DIAGNOSES

CTTR Subscription A

November 2011

**Case 1:**

Hemangioma of bone, rib  
T-10355, M-91200

**Case 2:**

Giant cell tumor of bone, tibia  
T-29960, M-92501

**Case 3:**

Histiocytic sarcoma, femoral head  
T-Y9050, M-88003

**Case 4:**

Schwannoma, retroperitoneum  
T-Y4600, M-95600

**Case 5:**

Soft tissue chondroma, arm  
T-Y8000, M-92200

**Case 6:**

Elastofibroma, posterior chest wall  
T-Y2150, M-88100

**Case 7:**

Malignant myxoid neoplasm, favor high grade myxoid/round cell liposarcoma, thigh  
T-Y9100, M-88523

**Case 8:**

Dedifferentiated liposarcoma, retroperitoneum  
T-Y4600, M-88503

**Case 9:**

Alveolar rhabdomyosarcoma, leg  
T-Y9400, M-89003

**Case 10:**

Pleomorphic sarcoma (i.e. "MFH"), ankle  
T-Y9500, M-88303

Arcadia (ABC Laboratories) - Intramedullary hemangioma  
Baldwin Park (Kaiser Permanente) - Intraosseous hemangioma (4)  
Hayward (St. Rose Hospital) - Hemangioma, vertebral  
Irvine (UC Irvine Medical Center) - Angiomas  
Long Beach (Long Beach V.A.) - Hemangioma  
Orange (Orange County Pathology Medical Group) - Hemangioma  
Oxnard (St. John's Regional Medical Center) - Hemangioma  
San Diego (Naval Medical Center) - Hemangioma of bone  
Santa Barbara (Miramonte Laboratory) - Hemangioma  
Woodland Hills (Kaiser Permanente) - Hemangioma  
Arkansas (APL Arkansas) - Hemangioma  
Colorado (Ft. Collins) - Intraosseous hemangioma  
Florida (Gastroenterology Associated by Ocala) - Aneurysmal bone cyst  
Georgia, Atlanta - Intraosseous hemangioma  
Illinois (Heartland Regional Medical Center) - Hemangioma  
Iowa (Allen Memorial Hospital) - Hemangioma  
Massachusetts (University of Massachusetts Medical Center) - Hemangioma, bone  
Missouri (Missouri Delta Medical Center) - Hemangioma (2)  
Minnesota (Fairview Ridges Hospital) - Intraosseous hemangioma  
New York, Rye Brook - Hemangioma  
New York (SUNY Downstate) - Hemangioma  
New York (SUNY Stony Brook University Hospital Medical Center) - Intraosseous hemangioma  
Ohio, Columbus - Capillary hemangioma  
Ohio (Summa Health System) - Cavernous hemangioma  
Pennsylvania, Allentown - Hemangioma  
Pennsylvania (Conemaugh Memorial Medical Center) - Intraosseous hemangioma  
Pennsylvania (Drexel University College of Medicine) - Intraosseous hemangioma  
Pennsylvania (Magee Women's Hospital) - Cavernous hemangioma with bone, right rib  
Puerto Rico (University of Puerto Rico School of Medicine) - Hemangioma  
South Carolina (Lexington Medical Center) - Hemangioma  
Texas, Crystal Beach - Hemangioma of rib  
Texas, Lubbock - Capillary hemangioma  
Virginia, Daleville - Hemangioma  
Washington (Seattle VAMC) - Benign vascular tumor  
West Virginia (Greenbrier Valley Medical Center) - Hemangioma  
Wisconsin, Madison - Hemangioma (AV malformation)  
Wisconsin (Medical Assessment and Consultation, S.C.) - Benign capillary hemangioma  
Wisconsin (Medical College of Wisconsin) - Hemangioma of bone  
Australia (Royal Hobart Hospital) - Hemangioma, bone  
Australia (St. Vincent's Hospital) - Hemangioma  
Canada (Pasqua Hospital) - Hemangioma  
Canada (University of Sherbrooke) - Hemangioma  
Ireland (Kerry General Hospital) - Aneurysmal bone cyst  
Japan (Asahi General Hospital) - Hemangioma (2)  
Japan, Tokyo - Hemangioma  
Saudi Arabia (Directorate General of Khoulou Hospital) - Hemangioma  
Saudi Arabia (King Khalid University Hospital) - Cavernous hemangioma

**Case 1 - Diagnosis:**

Hemangioma of bone, rib  
 T-10355, M-91200

#### Case 1 - References:

Vascular tumors of bone: A study of 17 cases other than ordinary hemangioma, with an evaluation of the relationship of hemangioendothelioma of bone to epithelioid hemangioma, epithelioid hemangioendothelioma, and high-grade angiosarcoma. *Hum Pathol* 2003; Jul;34(7): p680-9. Evans HL; Raymond AK; Ayala AG.

A minimally invasive vertebral hemangioma. *JBR-BTR* 2010; Jan-Feb;93(1): p1-3. Van den Broeck S; Mailleux P; Joris JP.

Resection of intercostal hemangioma with involved chest wall and ribs: in an 11-year-old girl. *Tex Heart Inst J* 2010;;37(4): p486-9. Ulku R; Onat S; Avci A; Ozmen CA.

Intraosseous hemangioma of the anterior mandible. *Head Neck Pathol* 2010; Jun;4(2): p123-5. Eliot CA; Castle JT.

#### Case No. 2, Accession No. 29960

November 2011

Arcadia (ABC Laboratories) - Giant cell tumor of bone

Baldwin Park (Kaiser Permanente) - Giant cell tumor of bone (4)

Hayward (St. Rose Hospital) - Giant cell tumor, rule out brown tumor

Irvine (UC Irvine Medical Center) - Giant cell tumor of bone

Long Beach (Long Beach V.A.) - Giant cell tumor

Orange (Orange County Pathology Medical Group) - Giant cell rich lesion, favor GCT

Oxnard (St. John's Regional Medical Center) - Giant cell tumor

San Diego (Naval Medical Center) - Giant cell tumor of bone

Santa Barbara (Miramonte Laboratory) - Giant cell tumor

Woodland Hills (Kaiser Permanente) - Giant cell tumor

Arkansas (APL Arkansas) - Giant cell tumor

Colorado (Ft. Collins) - Giant cell tumor

Florida (Gastroenterology Associated by Ocala) - Giant cell tumor, benign

Georgia, Atlanta - -Giant cell tumor

Illinois (Heartland Regional Medical Center) - Giant cell tumor

Iowa (Allen Memorial Hospital) - Giant cell tumor

Massachusetts (University of Massachusetts Medical Center) - Giant cell tumor of bone

Missouri (Missouri Delta Medical Center) - Giant cell tumor of bone (2)

Minnesota (Fairview Ridges Hospital) - Giant cell tumor

New York, Rye Brook - Giant cell tumor of bone

New York (SUNY Downstate) - Giant cell tumor

New York (SUNY Stony Brook University Hospital Medical Center) - Giant cell tumor of bone

Ohio, Columbus - Giant cell tumor of bone

Ohio (Summa Health System) - Giant cell tumor of bone

Pennsylvania, Allentown - Giant cell tumor of bone

Pennsylvania (Conemaugh Memorial Medical Center) - Giant cell tumor

Pennsylvania (Drexel University College of Medicine) - Giant cell tumor of bone

Pennsylvania (Magee Women's Hospital) - Giant cell tumor of the bone, tibia

Puerto Rico (University of Puerto Rico School of Medicine) - Giant cell tumor

South Carolina (Lexington Medical Center) - Giant cell tumor

Texas, Crystal Beach - Giant cell tumor of bone

Texas, Lubbock - Giant cell tumor of bone

Virginia, Daleville - Giant cell tumor

Washington (Seattle VAMC) - Giant cell tumor of bone

West Virginia (Greenbrier Valley Medical Center) - Giant cell tumor

Wisconsin, Madison - Giant cell tumor

Wisconsin (Medical Assessment and Consultation, S.C.) - Benign giant cell tumor

Wisconsin (Medical College of Wisconsin) - Giant cell tumor of bone

Australia (Royal Hobart Hospital) - Giant cell tumor, bone

Australia (St. Vincent's Hospital) - Giant cell tumor

Canada (Pasqua Hospital) - Giant cell tumor

Canada (University of Sherbrooke) - Giant cell tumor

Ireland (Kerry General Hospital) - Giant cell tumor

Japan (Asahi General Hospital) - Giant cell tumor (2)  
Japan, Tokyo - Giant cell tumor  
Saudi Arabia (Directorate General of Khoula Hospital) - Giant cell tumor  
Saudi Arabia (King Khalid University Hospital) - Giant cell tumor of bone

**Case 2 - Diagnosis:**

Giant cell tumor of bone, tibia  
T-11730, M-92501

**Case 2 - References:**

Tibial giant cell tumor with distant subcutaneous metastasis. *Acta Cytol* 2008; Mar-Apr;52(2): p270-3. Garbyal RS; Gupta P; Bohra A; Gupta A; Kumar S.  
Giant cell tumor of tendon sheath simulating giant cell tumor of bone: report of a case. *J Surg Orthop Adv* 2004 Summer;13(2): p124-7. Erler K; Demiralp B, et al.  
Comparison of cytologic features of giant-cell tumor and giant-cell tumor of tendon sheath. *Diagn Cytopathol* 2004; Jan;30(1): p14-8. Gupta K; Dey P; Goldsmith R; Vasishta RK.  
Malignancy in giant cell tumor of bone. *Cancer* 2003; May 15;97(10): p2520-9. Bertoni F; Bacchini P; Staals EL.  
Benign metastasizing giant cell tumor. *Arch Pathol Lab Med* 2002; Sep;126(9): p1133-4. Fadare O.  
Giant cell tumor of bone in children and adolescents. *J Pediatr Orthop* 2007; Sep;27(6): p635-9. Puri A; Agarwal MG, et al.

**Case No. 3, Accession No. 31257**

**November 2011**

Arcadia (ABC Laboratories) - Hodgkin's disease ("histiocytic" lymphoma")  
Baldwin Park (Kaiser Permanente) - Rosai Dorfman disease (4)  
Hayward (St. Rose Hospital) - Histiocytic sarcoma  
Irvine (UC Irvine Medical Center) - Histiocytic sarcoma  
Long Beach (Long Beach V.A.) - Malignant fibrous histiocytoma  
Orange (Orange County Pathology Medical Group) - Histiocytic sarcoma  
Oxnard (St. John's Regional Medical Center) - Malignant fibrous histiocytoma  
San Diego (Naval Medical Center) - Malignant fibrous histiocytoma  
Santa Barbara (Miramonte Laboratory) - Lymphoma  
Woodland Hills (Kaiser Permanente) - Histiocytic sarcoma  
Arkansas (APL Arkansas) - Pleomorphic malignant fibrous histiocytoma  
Colorado (Ft. Collins) - Fibrous histiocytoma of bone  
Florida (Gastroenterology Associated by Ocala) - Malignant fibrous histiocytoma  
Georgia, Atlanta - -Tenosynovial giant cell tumor, diffuse type  
Illinois (Heartland Regional Medical Center) - Histiocytic sarcoma  
Iowa (Allen Memorial Hospital) - Histiocytic sarcoma  
Massachusetts (University of Massachusetts Medical Center) - Inflammatory malignant fibrous histiocytoma, undifferentiated pleomorphic sarcoma with prominent inflammation  
Missouri (Missouri Delta Medical Center) - Malignant lymphoma, histiocytic sarcoma (2)  
Minnesota (Fairview Ridges Hospital) - Histiocytic sarcoma  
New York, Rye Brook - Myxoinflammatory fibroblastic sarcoma (inflammatory myxohyaline tumor)  
New York (SUNY Downstate) - Pigmented villonodular synovitis  
New York (SUNY Stony Brook University Hospital Medical Center) - Histiocytic sarcoma vs. secondary reactive lesion  
Ohio, Columbus - Hodgkin lymphoma  
Ohio (Summa Health System) - Pleomorphic sarcoma  
Pennsylvania, Allentown - Inflammatory malignant fibrous histiocytoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Histiocytic sarcoma  
Pennsylvania (Drexel University College of Medicine) - Villonodular pigmented synovitis  
Pennsylvania (Magee Women's Hospital) - Malignant fibrous histiocytoma, right femoral head  
Puerto Rico (University of Puerto Rico School of Medicine) - Histiocytic sarcoma  
South Carolina (Lexington Medical Center) - Malignant fibrous histiocytoma

Texas, Crystal Beach - Large cell lymphoma  
Texas, Lubbock - Histiocytic sarcoma  
Virginia, Daleville - Hodgkin lymphoma  
Washington (Seattle VAMC) - Malignant diffuse cell neoplasm (CD68=large histiocytes), most cells look like malignant lymphoma  
West Virginia (Greenbrier Valley Medical Center) - Hodgkin lymphoma  
Wisconsin, Madison - Diffuse large cell lymphoma, histiocytic  
Wisconsin (Medical Assessment and Consultation, S.C.) - Xanthogranulomatous osteomyelitis  
Wisconsin (Medical College of Wisconsin) - Histiocytic sarcoma, cannot rule out anaplastic large cell lymphoma  
Australia (Royal Hobart Hospital) - PVNS  
Australia (St. Vincent's Hospital) - Histiocytic sarcoma  
Canada (Pasqua Hospital) - Histiocytic sarcoma  
Canada (University of Sherbrooke) - Myeloid sarcoma  
Ireland (Kerry General Hospital) - Pigmented villonodular synovitis  
Japan (Asahi General Hospital) - Benign fibrous histiocytoma (1); Malignant fibrous histiocytoma (1)  
Japan, Tokyo - Malignant lymphoma  
Saudi Arabia (Directorate General of Khoula Hospital) - Myeloid sarcoma  
Saudi Arabia (King Khalid University Hospital) - Malignant fibrous histiocytoma (inflammatory type)

**Outside Consultation:** Stanford University, Drs. Kempson/Warnke; "Histiocytic sarcoma".

**Case 3 - Diagnosis:**

Histiocytic sarcoma, femoral head  
 T-Y9050, M-88003

**Case 3 - References:**

Histiocytic sarcoma in the small intestine: a case report with flow cytometry study and review of the literature. *Pathol Res Pract* 2008; 204(10): p763-70. Zhang X; Kryston JJ; Michalak WA; Zhang K; Lin F; Schuerch C.  
 Histiocytic sarcoma with interdigitating dendritic cell differentiation: a case report with fine needle aspiration cytology and review of literature. *Diagn Cytopathol* 2010; May;38(5): p351-6. Yang GC; Besanceney CE; Tam W.  
 High frequency of clonal immunoglobulin receptor gene rearrangements in sporadic histiocytic/dendritic cell sarcomas. *Am J Surg Pathol* 2009; Jun;33(6): p863-73. Chen W; Lau SK; Fong D; Wang J; Wang E; Arber DA; Weiss LM; Huang Q.  
 Dendritic cell neoplasms: an overview. *Am J Hematol* 2007; Oct;82(10): p924-8. Kairouz S; Hashash J; Kabbara W; McHayleh W; Tabbara IA.

**Case No. 4, Accession No. 31409**

**November 2011**

Arcadia (ABC Laboratories) - Schwannoma  
Baldwin Park (Kaiser Permanente) - Schwannoma (4)  
Hayward (St. Rose Hospital) - Cellular schwannoma, vs. GIST  
Irvine (UC Irvine Medical Center) - Schwannoma  
Long Beach (Long Beach V.A.) - Peripheral nerve cell tumor, favor schwannoma  
Oxnard (St. John's Regional Medical Center) - Neurilemmoma  
San Diego (Naval Medical Center) - Schwannoma  
Santa Barbara (Miramonte Laboratory) - Schwannoma  
Woodland Hills (Kaiser Permanente) - Schwannoma  
Arkansas (APL Arkansas) - Schwannoma  
Colorado (Ft. Collins) - Schwannoma  
Florida (Gastroenterology Associated by Ocala) - Schwannoma  
Georgia, Atlanta - Schwannoma  
Illinois (Heartland Regional Medical Center) - Peripheral nerve sheath tumor, favor schwannoma  
Iowa (Allen Memorial Hospital) - Schwannoma  
Massachusetts (University of Massachusetts Medical Center) - Schwannoma, retroperitoneum  
Missouri (Missouri Delta Medical Center) - Schwannoma (2)

Minnesota (Fairview Ridges Hospital) - Schwannoma  
New York, Rye Brook - Cellular schwannoma  
New York (SUNY Downstate) - Schwannoma  
New York (SUNY Stony Brook University Hospital Medical Center) - Schwannoma  
Ohio, Columbus - Schwannoma  
Ohio (Summa Health System) - Cellular schwannoma  
Pennsylvania, Allentown - Schwannoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Schwannoma  
Pennsylvania (Drexel University College of Medicine) - Schwannoma  
Pennsylvania (Magee Women's Hospital) - Schwannoma, retroperitoneum  
Puerto Rico (University of Puerto Rico School of Medicine) - Schwannoma  
South Carolina (Lexington Medical Center) - Spindle cell liposarcoma  
Texas, Crystal Beach - Neurofibroma  
Texas, Lubbock - Neurilemoma  
Virginia, Daleville - Peripheral nerve sheath tumor  
Washington (Seattle VAMC) - Benign spindle cell neoplasm, schwannoma  
West Virginia (Greenbrier Valley Medical Center) - Malignant peripheral nerve cell tumor  
Wisconsin, Madison - Benign peripheral nerve sheath tumor  
Wisconsin (Medical Assessment and Consultation, S.C.) - Benign schwannoma  
Wisconsin (Medical College of Wisconsin) - Cellular schwannoma  
Australia (Royal Hobart Hospital) - Schwannoma  
Australia (St. Vincent's Hospital) - Sclerosing liposarcoma  
Canada (Pasqua Hospital) - Cellular schwannoma  
Canada (University of Sherbrooke) - Schwannoma  
Ireland (Kerry General Hospital) - Neurilemmoma (schwannoma)  
Japan (Asahi General Hospital) - Schwannoma (2)  
Japan, Tokyo - Schwannoma  
Saudi Arabia (Directorate General of Khoula Hospital) - Schwannoma  
Saudi Arabia (King Khalid University Hospital) - Cellular benign nerve sheath tumor, schwannoma

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

Schwannoma, retroperitoneum  
 T-Y4600, M-95600

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

Analysis of 82 cases of retroperitoneal schwannoma. *ANZ J Surg* 2007; Apr;77(4): p237-40. Li Q; Gao C; Juzi JT; Hao X..  
 Retroperitoneal schwannoma. *Am J Surg* 2006; Jul;192(1): p14-8. Goh BK; Tan YM; Chung YF; Chow PK; Ooi LL; Wong WK.  
 An unusual case of glandular schwannoma. *Hum Pathol* 2007; Apr;38(4): p673-7. Chuang ST; Wang HL.  
 Retroperitoneal benign schwannoma: report of three cases and analysis of clinico-radiologic findings. *Tohoku J Exp Med* 2003; Jun;200(2): p93-7. Dede M; Yagci G; Yenen MC; Gorgulu S; Deveci MS; Cetiner S; Dilek S.  
 Presacral schwannoma with purely cystic form. *Spine (Phila Pa 1976)* 2001; Aug 15;26(16): p1817-9. Ogose A; Hotta T; Sato S; Takano R; Higuchi T.  
 Benign retroperitoneal schwannoma: a case series and review of the literature. *Urology* 2003; Dec;62(6): p993-7. Daneshmand S; Youssefzadeh D; Chamie K; Boswell W; Wu N; Stein JP; Boyd S; Skinner DG.  
 Deep-seated plexiform schwannoma: a pathologic study of 16 cases and comparative analysis with the superficial variety. *Am J Surg Pathol* 2005; Aug;29(8): p1042-8. Agaram NP; Prakash S; Antonescu CR.

#### **Case No. 5, Accession No. 24370**

**November 2011**

Arcadia (ABC Laboratories) - Intramuscular chondroma  
Baldwin Park (Kaiser Permanente) - Synovial chondromatosis (4)  
Hayward (St. Rose Hospital) - Extracellular chondroma  
Irvine (UC Irvine Medical Center) - Soft tissue chondroma

Long Beach (Long Beach V.A.) - Well-differentiated chondrosarcoma  
Orange (Orange County Pathology Medical Group) - Soft tissue chondroma  
Oxnard (St. John's Regional Medical Center) - Extraskelatal chondroma  
San Diego (Naval Medical Center) - Chondroma  
Santa Barbara (Miramonte Laboratory) - Low grade chondrosarcoma  
Woodland Hills (Kaiser Permanente) - Soft tissue chondroma  
Arkansas (APL Arkansas) - Benign extraosseous chondroma  
Colorado (Ft. Collins) - Soft tissue chondroma  
Florida (Gastroenterology Associated by Ocala) - Soft tissue enchondroma  
Georgia, Atlanta - Soft tissue chondroma  
Illinois (Heartland Regional Medical Center) - Synovial chondromatosis  
Iowa (Allen Memorial Hospital) - Chondroma of soft parts  
Massachusetts (University of Massachusetts Medical Center) - Chondroma of soft part  
Missouri (Missouri Delta Medical Center) - Osteochondroma (1); Chondroma (1)  
Minnesota (Fairview Ridges Hospital) - Soft tissue chondroma  
New York, Rye Brook - Soft tissue chondroma  
New York (SUNY Downstate) - Chondroma  
New York (SUNY Stony Brook University Hospital Medical Center) - Synovial chondromatosis  
Ohio, Columbus - Low grade chondrosarcoma  
Ohio (Summa Health System) - Soft tissue chondroma  
Pennsylvania, Allentown - Extraskelatal chondroma  
Pennsylvania (Conemaugh Memorial Medical Center) - Soft tissue chondroma  
Pennsylvania (Drexel University College of Medicine) - Chondroma of soft parts  
Pennsylvania (Magee Women's Hospital) - Extraskelatal chondroma, left arm  
Puerto Rico (University of Puerto Rico School of Medicine) - Extraskelatal chondroma  
South Carolina (Lexington Medical Center) - Chondroma of soft parts  
Texas, Crystal Beach - Chondroma  
Texas, Lubbock - Extraskelatal chondrosarcoma  
Virginia, Daleville - Extraosseous chondroma  
Washington (Seattle VAMC) - Benign cartilaginous neoplasm (extraskelatal chondroma)  
West Virginia (Greenbrier Valley Medical Center) - Soft tissue chondroma  
Wisconsin, Madison - Extraskelatal chondroma  
Wisconsin (Medical Assessment and Consultation, S.C.) - Benign soft tissue chondroma  
Wisconsin (Medical College of Wisconsin) - Intramuscular chondroma  
Australia (Royal Hobart Hospital) - Soft tissue chondroma  
Australia (St. Vincent's Hospital) - Synovial chondromatosis  
Canada (Pasqua Hospital) - Chondroma  
Canada (University of Sherbrooke) - Soft tissue chondroma  
Ireland (Kerry General Hospital) - Extraskelatal chondroma  
Japan (Asahi General Hospital) - Extraskelatal chondroma (1); Chondroma (1)  
Japan, Tokyo - Soft tissue chondroma  
Saudi Arabia (Directorate General of Khoula Hospital) - Extraskelatal chondroma  
Saudi Arabia (King Khalid University Hospital) - Soft tissue chondroma

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

Soft tissue chondroma, arm  
 T-Y8000, M-92200

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

A case of congenital soft tissue chondroma.. *J Dermatol* 2005; Mar;32(3): p214-6. Ryu JH; Park EJ; Kim KH; Kim KJ.  
 Fine needle aspiration cytology of soft tissue chondroma. A case report.. *Acta Cytol* 2001; Jan-Feb;45(1): p86-8. Thool  
 AA; Raut WK; Lele VR; Bobhate SK.  
 Intracapsular and para-articular chondroma adjacent to large joints: report of three cases and review of the literature.  
*Skeletal Radiol* 2001; Dec;30(12): p672-6. Gonzalez-Lois C; Garcia-de-la-Torre P, et al.



Arcadia (ABC Laboratories) - Elastofibroma with adipose infiltrate  
Baldwin Park (Kaiser Permanente) - Elastofibroma (4)  
Hayward (St. Rose Hospital) - Spindle lipoma  
Irvine (UC Irvine Medical Center) - Fibrolipoma  
Long Beach (Long Beach V.A.) - Spindle cell fibroma  
Orange (Orange County Pathology Medical Group) - Elastofibroma dorsi  
Oxnard (St. John's Regional Medical Center) - Elastofibroma  
San Diego (Naval Medical Center) - Elastofibroma  
Santa Barbara (Miramonte Laboratory) - Infiltrating fibroma  
Woodland Hills (Kaiser Permanente) - Elastofibroma  
Arkansas (APL Arkansas) - Spindle cell lipoma  
Colorado (Ft. Collins) - Elastofibroma  
Florida (Gastroenterology Associated by Ocala) - Atypical lipomatous tumor (ALT)  
Georgia, Atlanta - Elastofibroma  
Illinois (Heartland Regional Medical Center) - Elastofibroma  
Iowa (Allen Memorial Hospital) - Elastofibroma  
Massachusetts (University of Massachusetts Medical Center) - Spindle cell lipoma  
Missouri (Missouri Delta Medical Center) - Fibrolipoma (2)  
Minnesota (Fairview Ridges Hospital) - Elastofibroma  
New York, Rye Brook - Elastofibroma  
New York (SUNY Downstate) - Elastofibroma  
New York (SUNY Stony Brook University Hospital Medical Center) - Spindle cell lipoma  
Ohio, Columbus - Elastofibroma  
Ohio (Summa Health System) - Spindle cell lipoma  
Pennsylvania, Allentown - Elastofibroma  
Pennsylvania (Conemaugh Memorial Medical Center) - Elastofibroma  
Pennsylvania (Drexel University College of Medicine) - Elastofibroma  
Pennsylvania (Magee Women's Hospital) - Elastofibroma  
Puerto Rico (University of Puerto Rico School of Medicine) - Elastofibroma  
South Carolina (Lexington Medical Center) - Elastofibroma  
Texas, Crystal Beach - Intramuscular lipoma  
Texas, Lubbock - Elastofibroma  
Virginia, Daleville - Intramuscular lipoma  
Washington (Seattle VAMC) - Benign fibroelastic tumor, elastofibroma  
West Virginia (Greenbrier Valley Medical Center) - Fibrous lipoma  
Wisconsin, Madison - Elastofibroma  
Wisconsin (Medical Assessment and Consultation, S.C.) - Benign lipoma, favor fibrolipoma, would do IHC  
Wisconsin (Medical College of Wisconsin) - Elastofibroma  
Australia (Royal Hobart Hospital) - Elastofibroma  
Australia (St. Vincent's Hospital) - Spindle cell lipoma  
Canada (Pasqua Hospital) - Elastofibroma  
Canada (University of Sherbrooke) - Elastofibroma  
Ireland (Kerry General Hospital) - Elastofibroma  
Japan (Asahi General Hospital) - Spindle cell lipoma (1); Pleomorphic lipoma (1)  
Japan, Tokyo - Elastofibroma  
Saudi Arabia (Directorate General of Khoula Hospital) - Elastofibroma  
Saudi Arabia (King Khalid University Hospital) - Elastofibroma dorsi

**Case 6 - Diagnosis:**

Elastofibroma, posterior chest wall  
 T-Y8000, M-92200

**Case 6 - References:**

Elastofibroma dorsi: clinicopathologic review of 6 cases. *Ann Thorac Surg* 2007; May;83(5): p1894-7. Mortman KD; Hochheiser GM, et al.

Elastofibroma: cytologic findings using fine needle aspiration. *Acta Cytol* 2007; May-Jun;51(3): p497-9. Munoz Arias G; Gonzalez-Campora R, et al.  
 Elastofibroma dorsi diagnosed by fine needle aspiration cytology. *Acta Cytol* 2008; Mar-Apr;52(2): p264-6. Vera-Alvarez J; Garcia-Prats MD, et al.

**Case No. 7, Accession No. 31324**

**November 2011**

Arcadia (ABC Laboratories) - Liposarcoma  
Baldwin Park (Kaiser Permanente) - Myxoid DFSP (2); Dermatofibroma, myxoid (1); Myxoid dermatofibrosarcoma, protuberans (1)  
Hayward (St. Rose Hospital) - Extraskelatal myxoid chondrosarcoma, rule out myxofibrosarcoma  
Irvine (UC Irvine Medical Center) - Myxoid liposarcoma  
Long Beach (Long Beach V.A.) - Malignant myxoid neoplasm, NOS  
Orange (Orange County Pathology Medical Group) - Favor low grade fibromyxoid sarcoma  
Oxnard (St. John's Regional Medical Center) - Liposarcoma vs. dermatofibrosarcoma  
San Diego (Naval Medical Center) - Myxofibrosarcoma  
Santa Barbara (Miramonte Laboratory) - Myxoid malignant fibrous histiocytoma  
Woodland Hills (Kaiser Permanente) - Myxoid/round cell liposarcoma  
Arkansas (APL Arkansas) - Liposarcoma  
Colorado (Ft. Collins) - Solitary fibrous tumor  
Florida (Gastroenterology Associated by Ocala) - DFSP, myxoid variant  
Georgia, Atlanta - Myxofibrosarcoma  
Illinois (Heartland Regional Medical Center) - Myxoid malignant fibrous histiocytoma, grade 2  
Iowa (Allen Memorial Hospital) - Myxoid dermatofibrosarcoma protuberans  
Massachusetts (University of Massachusetts Medical Center) - Myxofibrosarcoma  
Missouri (Missouri Delta Medical Center) - Chondrosarcoma (1); High grade chondrosarcoma (1)  
Minnesota (Fairview Ridges Hospital) - Myxoid liposarcoma  
New York, Rye Brook - Myxoid solitary fibrous tumor  
New York (SUNY Downstate) - Low grade myxoid fibrosarcoma  
New York (SUNY Stony Brook University Hospital Medical Center) - Dermatofibrosarcoma protuberans (DFSP)  
Ohio, Columbus - Cellular myxoid lesion (ddx: myxoma, myxofibrosarcoma (low grade), nodular fasciitis)  
Ohio (Summa Health System) - Low grade myxofibrosarcoma  
Pennsylvania, Allentown - Myxoid DFSP  
Pennsylvania (Conemaugh Memorial Medical Center) - Myxofibrosarcoma  
Pennsylvania (Drexel University College of Medicine) - Intramuscular myxoma  
Pennsylvania (Magee Women's Hospital) - Dermatofibrosarcoma protuberans, myxoid type, right thigh  
Puerto Rico (University of Puerto Rico School of Medicine) - Myxoid malignant fibrous histiocytoma  
South Carolina (Lexington Medical Center) - Round cell liposarcoma  
Texas, Crystal Beach - Hemangioendothelioma  
Texas, Lubbock - Myxoid liposarcoma  
Virginia, Daleville - Dermatofibrosarcoma protuberans  
Washington (Seattle VAMC) - Low grade fibromyxosarcoma , lipoblasts  
West Virginia (Greenbrier Valley Medical Center) - Liposarcoma  
Wisconsin, Madison - Liposarcoma  
Wisconsin (Medical Assessment and Consultation, S.C.) - Myxoid liposarcoma  
Wisconsin (Medical College of Wisconsin) - Solitary fibrous tumor, myxoid variant  
Australia (Royal Hobart Hospital) - Myxofibrosarcoma  
Australia (St. Vincent's Hospital) - Myxofibrosarcoma  
Canada (Pasqua Hospital) - Pleomorphic hyalinizing angioectatic tumor  
Canada (University of Sherbrooke) - Myxoid/round cell liposarcoma  
Ireland (Kerry General Hospital) - Myxofibrosarcoma  
Japan (Asahi General Hospital) - Low grade fibromyxoid sarcoma (1); Hemangioma (1)  
Japan, Tokyo - Liposarcoma  
Saudi Arabia (Directorate General of Khoula Hospital) - Liposarcoma

Saudi Arabia (King Khalid University Hospital) - Myxofibrosarcoma

**Case 7 - Diagnosis:**

Malignant myxoid neoplasm, favor high grade myxoid/round cell liposarcoma, thigh  
T-Y9100, M-88523

**Case 7 - References:**

Myxoid/round cell and pleomorphic liposarcomas: prognostic factors and survival in a series of patients treated at a single institution. *Cancer* 2007; Jun 15;109(12): p2522-31. Fiore M; Grosso F, et al.  
Myxoid liposarcoma. *Diagn Cytopathol* 2007; May;35(5): p283-4. Pantanowitz L; Otis CN.  
Myxoid and round cell liposarcoma: a spectrum of myxoid adipocytic neoplasia. *Semin Diagn Pathol* 2001; Nov;18(4): p267-73. Orvieto E; Furlanetto A; Laurino L; Dei Tos AP.  
Cytologic features of round cell liposarcoma: a report on five patients. *Cancer* 2003; Feb 25;99(1): p28-32. Vicandi B; Jimenez-Heffernan J, et al.  
Cytomorphology of lipomatous tumors of soft tissue. *Acta Cytol* 2003; Jul-Aug;47(4): p555-62. Kapila K; Ghosal N; Gill SS; Verma K.

**Case No. 8, Accession No. 31013**

**November 2011**

Arcadia (ABC Laboratories) - Myxoid fibroma  
Baldwin Park (Kaiser Permanente) - Dedifferentiated liposarcoma (4)  
Hayward (St. Rose Hospital) - Dedifferentiated, well-differentiated liposarcoma  
Irvine (UC Irvine Medical Center) - Well-differentiated liposarcoma, sclerosing liposarcoma  
Long Beach (Long Beach V.A.) - Spindle cell sarcoma  
Orange (Orange County Pathology Medical Group) - Favor sclerosing liposarcoma  
Oxnard (St. John's Regional Medical Center) - Neurilemoma vs. fibromatosis  
San Diego (Naval Medical Center) - Dedifferentiated liposarcoma  
Santa Barbara (Miramonte Laboratory) - Low grade leiomyosarcoma  
Woodland Hills (Kaiser Permanente) - Dedifferentiated liposarcoma  
Arkansas (APL Arkansas) - Leiomyosarcoma  
Colorado (Ft. Collins) - Dedifferentiated liposarcoma  
Florida (Gastroenterology Associated by Ocala) - Retroperitoneal fibrosarcoma  
Georgia, Atlanta - Dedifferentiated liposarcoma  
Illinois (Heartland Regional Medical Center) - Myxoid malignant fibrous histiocytoma, grade 2  
Iowa (Allen Memorial Hospital) - Solitary fibrous tumor  
Massachusetts (University of Massachusetts Medical Center) - Dedifferentiated liposarcoma  
Missouri (Missouri Delta Medical Center) - Low grade sarcoma, NOS (2)  
Minnesota (Fairview Ridges Hospital) - Dedifferentiated liposarcoma  
New York, Rye Brook - Sclerosing well-differentiated liposarcoma with dedifferentiation  
New York (SUNY Downstate) - Dedifferentiated liposarcoma  
New York (SUNY Stony Brook University Hospital Medical Center) - Pleomorphic liposarcoma  
Ohio, Columbus - Fibrohistiocytic tumor (ddx: nodular fasciitis, inflammatory myofibroblastic tumor, myxofibrosarcoma, dedifferentiated liposarcoma)  
Ohio (Summa Health System) - Leiomyosarcoma  
Pennsylvania, Allentown - Liposarcoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Dedifferentiated liposarcoma  
Pennsylvania (Drexel University College of Medicine) - Low grade dedifferentiated liposarcoma arising from well-differentiated liposarcoma  
Pennsylvania (Magee Women's Hospital) - Dedifferentiated liposarcoma, retroperitoneum  
Puerto Rico (University of Puerto Rico School of Medicine) - Dedifferentiated liposarcoma, low grade  
South Carolina (Lexington Medical Center) - Dedifferentiated liposarcoma  
Texas, Crystal Beach - Liposarcoma, dedifferentiated  
Texas, Lubbock - Malignant fibrous histiocytoma  
Virginia, Daleville - Rhabdomyosarcoma  
Washington (Seattle VAMC) - Benign fibrovascular proliferative process

West Virginia (Greenbrier Valley Medical Center) - Fibrosarcoma  
Wisconsin, Madison - Liposarcoma  
Wisconsin (Medical Assessment and Consultation, S.C.) - Low grade malignant peripheral nerve sheath neoplasm  
Wisconsin (Medical College of Wisconsin) - Dedifferentiated liposarcoma  
Australia (Royal Hobart Hospital) - Well-differentiated (sclerosing) liposarcoma with low grade dedifferentiation  
Australia (St. Vincent's Hospital) - Well-differentiated liposarcoma with dedifferentiated liposarcoma  
Canada (Pasqua Hospital) - Sclerosing well-differentiated liposarcoma with dedifferentiation  
Canada (University of Sherbrooke) - Dedifferentiated liposarcoma  
Ireland (Kerry General Hospital) - Well-differentiated sclerosing liposarcoma  
Japan (Asahi General Hospital) - Dedifferentiated liposarcoma (2)  
Japan, Tokyo - Liposarcoma  
Saudi Arabia (Directorate General of Khoula Hospital) - Liposarcoma (dedifferentiated type)  
Saudi Arabia (King Khalid University Hospital) - Sarcoma most probably leiomyosarcoma

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

Dedifferentiated liposarcoma, retroperitoneum  
 T-Y4600, M-88503

#### **Case 8 - References:**

Overlapping features between dedifferentiated liposarcoma and undifferentiated high-grade pleomorphic sarcoma.. *Am J Surg Pathol* 2009; Nov;33(11): p1594-600. Chung L; Lau SK, et al.  
 Dedifferentiated liposarcoma with "homologous" lipoblastic (pleomorphic liposarcoma-like) differentiation: clinicopathologic and molecular analysis of a series suggesting revised diagnostic criteria. *Am J Surg Pathol* 2010; Aug;34(8): p1122-31. Marino-Enriquez A; Fletcher CD, et al.  
 Histologically low-grade dedifferentiated liposarcoma of the retroperitoneum. *Pathol Int* 2001; May;51(5): p392-5. Fukunaga M.  
 Fine needle aspiration cytology of a dedifferentiated liposarcoma: report of a case with histologic and immunohistochemical follow-up. *Acta Cytol* 2001; Jul-Aug;45(4): p641-4. Ylagan LR; Bhalla S.  
 Dedifferentiated liposarcoma. *Semin Diagn Pathol* 2001; Nov;18(4): p263-6. Nascimento AG.  
 Retroperitoneal liposarcomas: follow-up analysis of dedifferentiation after clinicopathologic reexamination of 86 liposarcomas and malignant fibrous histiocytomas. *Cancer* 2006; Jun 15;106(12): p2725-33. Fabre-Guillevin E, et al.

#### **Case No. 9, Accession No. 29399**

**November 2011**

Arcadia (ABC Laboratories) - Ewing sarcoma  
Baldwin Park (Kaiser Permanente) - Rhabdomyosarcoma, favor alveolar (4)  
Hayward (St. Rose Hospital) - Rhabdomyosarcoma  
Irvine (UC Irvine Medical Center) - Alveolar rhabdomyosarcoma  
Long Beach (Long Beach V.A.) - Malignant small blue cell tumor  
Orange (Orange County Pathology Medical Group) - Alveolar rhabdomyosarcoma  
Oxnard (St. John's Regional Medical Center) - Alveolar rhabdomyosarcoma  
San Diego (Naval Medical Center) - Alveolar rhabdomyosarcoma  
Santa Barbara (Miramonte Laboratory) - Chioroma  
Woodland Hills (Kaiser Permanente) - Alveolar rhabdomyosarcoma  
Arkansas (APL Arkansas) - Extraskeletal Ewing sarcoma  
Colorado (Ft. Collins) - Embryonal rhabdomyosarcoma  
Florida (Gastroenterology Associated by Ocala) - Rhabdomyosarcoma, alveolar pattern  
Georgia, Atlanta - Ewing sarcoma/PNET  
Illinois (Heartland Regional Medical Center) - Alveolar rhabdomyosarcoma  
Iowa (Allen Memorial Hospital) - Clear cell sarcoma  
Massachusetts (University of Massachusetts Medical Center) - Alveolar rhabdomyosarcoma  
Missouri (Missouri Delta Medical Center) - Rhabdomyosarcoma (2)  
Minnesota (Fairview Ridges Hospital) - Alveolar rhabdomyosarcoma

New York, Rye Brook - Embryonal rhabdomyosarcoma  
New York (SUNY Downstate) - Alveolar rhabdomyosarcoma  
New York (SUNY Stony Brook University Hospital Medical Center) - Alveolar rhabdomyosarcoma  
Ohio, Columbus - Alveolar rhabdomyosarcoma vs. alveolar soft parts sarcoma vs. clear cell sarcoma  
Ohio (Summa Health System) - Alveolar rhabdomyosarcoma, conventional type  
Pennsylvania, Allentown - Clear cell sarcoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Alveolar rhabdomyosarcoma  
Pennsylvania (Drexel University College of Medicine) - Embryonal rhabdomyosarcoma  
Pennsylvania (Magee Women's Hospital) - Alveolar rhabdomyosarcoma, right leg  
Puerto Rico (University of Puerto Rico School of Medicine) - Alveolar rhabdomyosarcoma, rule out Ewings sarcoma/PNET, and less probably lymphoma  
South Carolina (Lexington Medical Center) - Embryonal rhabdomyosarcoma  
Texas, Crystal Beach - Large cell lymphoma  
Texas, Lubbock - Alveolar rhabdomyosarcoma  
Virginia, Daleville - Rhabdomyosarcoma  
Washington (Seattle VAMC) - High grade malignant neoplasm, unfavorable rhabdomyosarcoma  
West Virginia (Greenbrier Valley Medical Center) - Alveolar rhabdomyosarcoma  
Wisconsin, Madison - Rhabdomyosarcoma  
Wisconsin (Medical Assessment and Consultation, S.C.) - Ewing sarcoma/PNET (would do IHC)  
Wisconsin (Medical College of Wisconsin) - Alveolar rhabdomyosarcoma  
Australia (Royal Hobart Hospital) - Alveolar rhabdomyosarcoma  
Australia (St. Vincent's Hospital) - Small round blue cell tumor, favor rhabdomyosarcoma, differential includes PNET/Ewing sarcoma  
Canada (Pasqua Hospital) - Rhabdomyosarcoma  
Canada (University of Sherbrooke) - Alveolar rhabdomyosarcoma  
Ireland (Kerry General Hospital) - Alveolar rhabdomyosarcoma  
Japan (Asahi General Hospital) - Alveolar rhabdomyosarcoma (1); Ewing sarcoma (1)  
Japan, Tokyo - Rhabdomyosarcoma  
Saudi Arabia (Directorate General of Khoulou Hospital) - Malignant small round cell tumor favoring rhabdomyosarcoma  
Saudi Arabia (King Khalid University Hospital) - Alveolar rhabdomyosarcoma

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

Alveolar rhabdomyosarcoma, leg  
 T-Y9400, M-89003

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

Alveolar rhabdomyosarcoma of the extremity and nodal metastasis: Is the in-transit lymphatic system at risk? *Pediatr Blood Cancer* 2009; Dec 15;53(7): p1332-3. Paulino AC; Pappo A.  
 Metastatic alveolar rhabdomyosarcoma in multiple endocrine neoplasia type 2A. *Pediatr Blood Cancer* 2010; Dec 1;55(6): p1213-6. Jones AE; Albano EA; Lovell MA; Hunger SP.  
 Solid variant of alveolar rhabdomyosarcoma in the head and neck region: a case report of a diagnostic dilemma in a head and neck fine needle aspiration clinic. *Acta Cytol* 2010; Sep-Oct;54(5 Suppl): p849-52. Aslam MB; Sahasrabudhe N; Kumar SN; Shenjere P; Belloso A; Morar P.  
 Alveolar rhabdomyosarcoma mimicking lymphoma with bone marrow involvement. *Eur J Pediatr* 2007; May;166(5): p505-6. Hanke CA; Roessler J, et al..

#### **Case No. 10, Accession No. 30195**

**November 2011**

Arcadia (ABC Laboratories) - Epithelioid sarcoma  
Baldwin Park (Kaiser Permanente) - High grade sarcoma (4)  
Hayward (St. Rose Hospital) - Pleomorphic undifferentiated sarcoma, probably arising from liposarcoma  
Irvine (UC Irvine Medical Center) - Pleomorphic liposarcoma  
Long Beach (Long Beach V.A.) - Malignant neoplasm, sarcoma, NOS  
Orange (Orange County Pathology Medical Group) - High grade sarcoma

Oxnard (St. John's Regional Medical Center) - Malignant fibrous histiocytoma vs. rhabdomyosarcoma  
San Diego (Naval Medical Center) - Myxoinflammatory fibroblastic sarcoma  
Santa Barbara (Miramonte Laboratory) - Pleomorphic sarcoma  
Woodland Hills (Kaiser Permanente) - Malignant fibrous histiocytoma  
Arkansas (APL Arkansas) - Pleomorphic malignant fibrous histiocytoma  
Colorado (Ft. Collins) - Malignant fibrous histiocytoma  
Florida (Gastroenterology Associated by Ocala) - Atypical fibrous histiocytoma  
Georgia, Atlanta - Plexiform fibrohistiocytic tumor  
Illinois (Heartland Regional Medical Center) - Pleomorphic undifferentiated sarcoma (MFH, grade 3)  
Iowa (Allen Memorial Hospital) - Undifferentiated pleomorphic sarcoma  
Massachusetts (University of Massachusetts Medical Center) - Pleomorphic malignant fibrous histiocytoma/undifferentiated high grade pleomorphic sarcoma  
Missouri (Missouri Delta Medical Center) - Liposarcoma, high grade (2)  
Minnesota (Fairview Ridges Hospital) - Clear cell sarcoma  
New York, Rye Brook - Pleomorphic liposarcoma  
New York (SUNY Downstate) - Pleomorphic sarcoma  
New York (SUNY Stony Brook University Hospital Medical Center) - Myxoid malignant fibrous histiocytoma, pleomorphic sarcoma  
Ohio, Columbus - Undifferentiated pleomorphic sarcoma  
Ohio (Summa Health System) - Melanoma of soft parts  
Pennsylvania, Allentown - Epithelioid angiosarcoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Pleomorphic malignant fibrous histiocytoma  
Pennsylvania (Drexel University College of Medicine) - Pleomorphic liposarcoma  
Pennsylvania (Magee Women's Hospital) - Epithelioid liposarcoma, left ankle  
Puerto Rico (University of Puerto Rico School of Medicine) - Malignant fibrous histiocytoma, dedifferentiated liposarcoma  
South Carolina (Lexington Medical Center) - Malignant fibrous histiocytoma  
Texas, Crystal Beach - Malignant fibrous histiocytoma  
Texas, Lubbock - Liposarcoma  
Virginia, Daleville - Malignant fibrous histiocytoma  
Washington (Seattle VAMC) - Malignant epithelioid angiosarcoma/fibrohistiocytoma, pleomorphic cell neoplasm  
West Virginia (Greenbrier Valley Medical Center) - Malignant fibrous histiocytoma  
Wisconsin, Madison - Atypical fibroxanthoma (superficial MFH)  
Wisconsin (Medical Assessment and Consultation, S.C.) - Malignant fibrous histiocytoma, would do IHC  
Wisconsin (Medical College of Wisconsin) - Myxoinflammatory fibroblastic sarcoma  
Australia (Royal Hobart Hospital) - Undifferentiated high grade pleomorphic sarcoma, malignant fibrous histiocytoma-like  
Australia (St. Vincent's Hospital) - Pleomorphic malignant fibrous histiocytoma/undifferentiated sarcoma  
Canada (Pasqua Hospital) - Epithelioid sarcoma  
Canada (University of Sherbrooke) - Spindle cell melanoma  
Ireland (Kerry General Hospital) - Myxoinflammatory fibroblastic sarcoma  
Japan (Asahi General Hospital) - Pleomorphic malignant fibrous histiocytoma (1); Fibrosarcoma (1)  
Japan, Tokyo - Rhabdomyosarcoma  
Saudi Arabia (King Khalid University Hospital) - Malignant melanoma amelanotic

**Outside Consultation:** Mayo Clinic, Dr. G.L. Keeney; "Grade 3 (of 4) malignant fibrous histiocytoma."

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

Pleomorphic sarcoma (i.e. "MFH"), ankle  
T-Y9500, M-88303

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

Classification of pleomorphic sarcomas: where are we now? *Histopathology* 2006; Jan;48(1): p51-62. Dei Tos AP.  
 Malignant fibrous histiocytoma: between the past and the present. *Arch Pathol Lab Med* 2008; Jun;132(6): p1030-5. Al-Agha OM; Igboke AA.  
 Sarcomas with spindle cell morphology. *Semin Oncol* 2009; Aug;36(4): p324-37. Collini P; Sorensen PH.

Diagnosis and management of pleomorphic sarcomas (so-called "MFH") in adults. *J Surg Oncol* 2008; Mar 15;97(4): p330-9. Nascimento AF; Raut CP.

MFH revisited: outcome after surgical treatment of undifferentiated pleomorphic or not otherwise specified (NOS) sarcomas of the extremities -- an analysis of 140 patients. *Langenbecks Arch Surg* 2009; Mar;394(2): p313-20. Lehnhardt M; Daigeler A, et al.