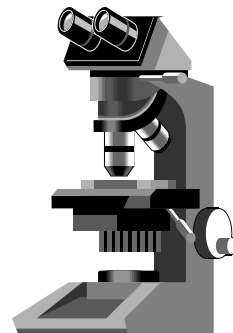


CALIFORNIA  
TUMOR TISSUE REGISTRY

*SOFT TISSUE PATHOLOGY*

Minutes – Subscription A

October 2010



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

Clinical Impact of Tumor-Infiltrating Lymphocytes for Survival in Stage II Colon Cancer. Lee WS, Park S, et al. *Cancer* 2010; July 21.

Histological “Progression” From Low (LSIL) to High (HSIL) Squamous Intraepithelial Lesion Is an Uncommon Event and an Indication for Quality Assurance Review. Chen EY, Tran A, et al. *Mod Pathol* 2010; 23:1045-1051.

Colorectal Granular Cell Tumor: A Clinicopathologic Study of 26 Cases. Singhi AD and Montgomery EA. *Am J Surg Pathol* 2010; 34:1186-1192.

De novo Intraepidermal Epithelioid Melanocytic Dysplasia. A Review of 263 Cases. Jessup CJ and Cohen LM. *J Cutan Pathol* 2010; 37:852-859.

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 2010

**Case 1:**

Granular cell tumor, peri-anal  
T-69200, M-95800

**Case 2:**

Ischemic fasciitis (atypical decubital fibroplasia), sacrum  
T-Y1410, M-72600

**Case 3:**

Nasopharyngeal angiofibroma  
T-2X320, M-91600

**Case 4:**

Extra-abdominal (“desmoid”) fibromatosis, shoulder  
T-Y1220, M-76100

**Case 5:**

Leiomyoma, vulva (peri-urethral)  
T-75190, M-88900

**Case 6:**

Leiomyosarcoma, scrotum  
T-78000, M-88903

**Case 7:**

Metastatic leiomyosarcoma, chest wall, presumably from contralateral chest wall (primary site)  
T-Y2100, M-88903

**Case 8:**

Benign myxoid neoplasm (nos), arm  
T-Y8220, M-80000

**Case 9:**

Pleomorphic lipoma, posterior neck  
T-Y0600, M-88500

**Case 10:**

Well-differentiated, lipoma-like liposarcoma, scrotum  
T-78000, M-88513

Baldwin Park (Kaiser Permanente Medical Center) - Granular cell tumor (4)  
Glendale - Granular cell tumor  
Hayward (St. Rose Hospital) - Granular cell tumor  
Long Beach (Long Beach Veterans Hospital) - Granular cell tumor (2)  
Oakland (Alameda County Medical Center) - Granular cell tumor  
Oxnard (St John's Regional Medical Center) - Granular cell tumor (3)  
San Diego (Naval Medical Center) - Granular cell tumor  
Santa Barbara (Miramonte Lab) - Granular cell tumor  
Woodland Hills (Kaiser Permanente) - Granular cell tumor  
Arkansas (Associated Pathologist Laboratory) - Granular cell tumor  
Colorado (McKee Medical Center) - Granular cell tumor  
Connecticut (Hartford Hospital) - Granular cell tumor  
Florida (Gastroenterology Associates of Ocala) - Alveolar soft part sarcoma  
Florida (Global Pathology Lab Services, Inc.) - Granular cell tumor (2)  
Florida (Munroe Regional Medical Center) - Granular cell tumor  
Florida, Tallahassee - Granular cell tumor  
Georgia (Emory University) - Granular cell tumor  
Georgia, Atlanta - Granular cell tumor  
Illinois, Chicago - Granular cell tumor (2)  
Illinois (Heartland Regional Medical Center) - Granular cell tumor  
Illinois (Adventist Glen Oaks Hospital) - Granular cell tumor  
Maryland (University of Maryland) - Granular cell tumor  
Massachusetts (BWH-Pathology) - Granular cell tumor  
Massachusetts, Peabody - Eosinophilic esophagitis  
Massachusetts (University of Massachusetts Medical Center) - Granular cell tumor  
Michigan (Pathology Consultants of Port Huron) - Granular cell tumor  
Minnesota (Fairview Ridges Hospital) - Granular cell tumor  
Missouri (Missouri Delta Medical Center) - Granular cell tumor  
Missouri (St. Luke's Hospital) - Granular cell tumor  
Nebraska (Creighton University Medical Center) - Granular cell tumor  
New York (Erie County Medical Center) - Granular cell tumor  
New York (Staten Island University Hospital) - Granular cell tumor  
New York (SUNY Stony Brook University Hospital) - Granular cell tumor  
North Carolina (North Carolina Baptist Hospital) - Granular cell tumor  
Ohio (Cleveland Clinic Pathology Residents) - Granular cell tumor  
Ohio, Columbus - Granular cell tumor  
Ohio (The Ohio State University) - Granular cell tumor  
Ohio, Union Town - Granular cell tumor  
Ohio (University of Toledo) - Granular cell tumor  
Pennsylvania (Conemaugh Memorial Medical Center) - Granular cell tumor  
Pennsylvania (Drexel University College of Medicine) - Granular cell tumor  
Pennsylvania (Magee Women's Hospital) - Granular cell tumor  
Puerto Rico (University of Puerto Rico) - Granular cell tumor  
Texas (Carl R. Darnall Army Medical Center) - Granular cell tumor  
Texas, Crystal Beach - Granular cell tumor  
Texas, Houston - Granular cell tumor  
Texas, Lubbock - Granular cell tumor  
Texas (Scott & White Memorial Hospital) - Granular cell tumor  
Virginia, Falls Church - Granular cell tumor  
Washington (Seattle VAMC) - Granular cell tumor  
West Virginia (Greenbrier Valley Medical Center) - Granular cell tumor  
Australia (Royal Hobart Hospital) - Granular cell tumor  
Australia (Sullivan Nicolaides Pathology) - Granular cell tumor  
Canada (Pasqua Hospital) - Granular cell tumor  
Canada, Quebec - Granular cell tumor

England (John Radcliffe Hospital) - Granular cell tumor  
Ireland (Kerry General Hospital) - Granular cell tumor  
Ireland (University College Hospital) - Granular cell tumor  
Japan (Aichi Medical University) - Granular cell tumor  
Japan (Asahi General Hospital) - Granular cell tumor (2)  
Japan (Lions Mansion Nijyo) - Granular cell tumor  
Japan (Shizuoka Tokushu-Kai Hospital) - Granular cell tumor  
Japan, Tokyo - Granular cell tumor  
Japan (University of Yamanashi) - Granular cell tumor  
Oman (Khoula Hospital) - Granular cell tumor  
Saudi Arabia (King Khalid University Hospital) - Granular cell tumor  
Singapore (Singapore General Hospital) - Granular cell tumor  
United Kingdom (Chesterfield Royal Hospital) - Granular cell tumor

#### **Case 1 - Diagnosis:**

Granular cell tumor, peri-anal  
 T-69200, M-95800

#### **Case 1 - References:**

Granular cell tumor--a unique neoplasm of the internal anal sphincter: report of a case. Cohen MG, Greenwald ML, et al. *Colon Rectum* 2000; 43(10):1444-1446.

Plexiform pattern in cutaneous granular cell tumors. Aldabagh B, Azmi F, et al. *J Cutan Pathol* 2009; 36(11):1174-1176.

Granular-cell tumor of the duodenum. A case report. Woosley JT and Grimm I. *Gastrointest Endosc* 2006; 63(2):339-341.

Dermal non-neural granular cell tumour (so-called primitive polypoid granular cell tumour): a distinctive entity further delineated in a clinicopathological study of 11 cases. Chaudhry IH and Calonje E. *Histopathol* 2005; 47(2):179-185.

Genetic characterization of granular cell tumours. Rickert CH and Paulus W. *Acta Neuropathol* 2002; 103(4):309-312.

Cytologic findings in granular cell tumors, with emphasis on the diagnosis of malignant granular cell tumor by fine-needle aspiration biopsy. Wieczorek TJ, Krane JF, et al. *Cancer* 2001; 93(6):398-408.

#### **Case No. 2, Accession No. 31268**

**October 2010**

Baldwin Park (Kaiser Permanente Medical Center) - Ischemic fasciitis (4)  
Glendale - Granulation tissue/ischemic fasciitis  
Hayward (St. Rose Hospital) - Ischemic fasciitis  
Long Beach (Long Beach Veterans Hospital) - Reactive angioendotheliomatosis (2)  
Oakland (Alameda County Medical Center) - Ischemic fasciitis  
Oxnard (St John's Regional Medical Center) - Pyogenic granuloma (3)  
San Diego (Naval Medical Center) - Fibromatosis  
Santa Barbara (Miramonte Lab) - Decubitus with granulation tissue  
Woodland Hills (Kaiser Permanente) - Ischemic fasciitis  
Arkansas (Associated Pathologist Laboratory) - Exuberant granulation tissue  
Colorado (McKee Medical Center) - Glomus tumor  
Connecticut (Hartford Hospital) - Ischemic fasciitis  
Florida (Gastroenterology Associates of Ocala) - Inflammatory myoblastic tumor  
Florida (Global Pathology Lab Services, Inc.) - Pressure ulcer and hemangioma (2)  
Florida (Munroe Regional Medical Center) - Lipoblastoma  
Florida, Tallahassee - Chronic ulcer with fibrosing granulation tissue  
Georgia (Emory University) - Ischemic fasciitis (atypical decubital fibroplasia)

Georgia, Atlanta - Ischemic fasciitis  
Illinois, Chicago - Pyogenic granuloma (2)  
Illinois (Heartland Regional Medical Center) - Chronic ulcer  
Illinois (Adventist Glen Oaks Hospital) - Ischemic fasciitis  
Maryland (University of Maryland) - Chronic ulcer with granulation tissue and metaplastic bone formation  
Massachusetts (BWH-Pathology) - Pyogenic granuloma, ischemic fasciitis of soft tissue  
Massachusetts, Peabody - Metastatic melanoma  
Massachusetts (University of Massachusetts Medical Center) - Ischemic fasciitis  
Michigan (Pathology Consultants of Port Huron) - Juvenile capillary hemangioma  
Minnesota (Fairview Ridges Hospital) - Ischemic fasciitis  
Missouri (Missouri Delta Medical Center) - Ischemic fasciitis (decubital fasciitis)  
Missouri (St. Luke's Hospital) - Granulation tissue and fibrosis  
Nebraska (Creighton University Medical Center) - Acquired tufted angioma  
New York (Erie County Medical Center) - Ischemic fasciitis  
New York (Staten Island University Hospital) - Squamous cell carcinoma, low grade  
New York (SUNY Stony Brook University Hospital) - Angiolipoma  
North Carolina (North Carolina Baptist Hospital) - Sinus tract and ischemic changes  
Ohio (Cleveland Clinic Pathology Residents) - Ischemic fasciitis  
Ohio, Columbus - Ulcer with acute inflammation, granulation tissue, and pseudoepitheliomatous hyperplasia  
Ohio (The Ohio State University) - Ulceration and granulation tissue with pseudoepitheliomatous hyperplasia  
Ohio, Union Town - Hemangioma  
Ohio (University of Toledo) - Pilonidal sinus  
Pennsylvania (Conemaugh Memorial Medical Center) - Extra-abdominal fibromatosis  
Pennsylvania (Drexel University College of Medicine) - Lobular capillary hemangioma  
Pennsylvania (Magee Women's Hospital) - Atypical decubital fibroplasia  
Puerto Rico (University of Puerto Rico) - Ischemic fasciitis/pilonidal cyst  
Texas (Carl R. Darnall Army Medical Center) - Ischemic fasciitis  
Texas, Crystal Beach - Hemangioma  
Texas, Houston - Angiolipoma  
Texas, Lubbock - Ischemic fasciitis  
Texas (Scott & White Memorial Hospital) - Acquired tufted hemangioma  
Virginia, Falls Church - Fibromatosis/granulation tissue  
Washington (Seattle VAMC) - Fibrosis/fibromatosis consistent with decubital ulcer and lobular angio -  
West Virginia (Greenbrier Valley Medical Center) - Necrosis  
Australia (Royal Hobart Hospital) - Atypical decubital fibroplasia  
Australia (Sullivan Nicolaides Pathology) - Ischemic fasciitis  
Canada (Pasqua Hospital) - Ischemic fasciitis  
Canada, Quebec - Granulation tissue type hemangioma  
England (John Radcliffe Hospital) - Ischemic fasciitis  
Ireland (Kerry General Hospital) - Ischemic fasciitis  
Ireland (University College Hospital) - Granulation tissue  
Japan (Aichi Medical University) - Ischemic fasciitis  
Japan (Asahi General Hospital) - Ischemic fasciitis (1); Decubitus ulcer (1)  
Japan (Lions Mansion Nijyo) - Ischemic fasciitis with ulceration and granulation formation, sacrum  
Japan (Shizuoka Tokushu-Kai Hospital) - Pyogenic granuloma  
Japan, Tokyo - Ischemic fasciitis  
Japan (University of Yamanashi) - Pyogenic granuloma  
Oman (Khoula Hospital) - Chronic ulcer  
Saudi Arabia (King Khalid University Hospital) - Hemangioendothelioma  
Singapore (Singapore General Hospital) - Reactive angioendotheliomatosis  
United Kingdom (Chesterfield Royal Hospital) - Atypical decubital fibroplasia

## **Case 2 - Diagnosis:**

Ischemic fasciitis (atypical decubital fibroplasia), sacrum  
 T-Y1410, M-72600

Case 2 - References:

Ischemic fasciitis. Analysis of 44 cases indicating an inconsistent association with immobility or debilitation. Liegl B and Fletcher CD. *Am J Surg Pathol* 2008; 32(10):1546-1552.

Decubital ischemic fasciitis. Clinical, pathologic, and MRI features of pseudosarcoma. Ilaslan H, Joyce M, Bauer T, et al. *AJR Am J Roentgenol* 2006; 187(5):1338-1341.

Atypical decubital fibroplasia with unusual histology. Fukunaga M. *APMIS* 2001; 109(9):631-635.

Pathologic quiz case. A 76-year-old debilitated woman with a right thigh mass. Ischemic fasciitis (atypical decubital fibroplasia). Washing D and Zaher A. *Arch Pathol Lab Med* 2004; 128(10):139-140.

**Case No. 3, Accession No. 31267**

**October 2010**

Baldwin Park (Kaiser Permanente Medical Center) - Angiofibroma (4)  
Glendale - Nasopharyngeal angiofibroma  
Hayward (St. Rose Hospital) - Angiofibroma  
Long Beach (Long Beach Veterans Hospital) - Angiofibroma (2)  
Oakland (Alameda County Medical Center) - Nasopharyngeal angiofibroma  
Oxnard (St John's Regional Medical Center) - Angiofibroma (2); Nasopharyngeal angiofibroma (1)  
San Diego (Naval Medical Center) - Nasopharyngeal angiofibroma  
Santa Barbara (Miramonte Lab) - Angiofibroma  
Woodland Hills (Kaiser Permanente) - Nasopharyngeal angiofibroma  
Arkansas (Associated Pathologist Laboratory) - Nasopharyngeal angiofibroma  
Colorado (McKee Medical Center) - Angiofibroma  
Connecticut (Hartford Hospital) - Angiofibroma  
Florida (Gastroenterology Associates of Ocala) - Solitary fibrous tumor (SFT)  
Florida (Global Pathology Lab Services, Inc.) - Angiofibroma (2)  
Florida (Munroe Regional Medical Center) - Angiofibroma  
Florida, Tallahassee - Spindled cell sarcoma  
Georgia (Emory University) - Nasopharyngeal angiofibroma and rhabdomyosarcoma with spindle cell features  
Georgia, Atlanta - Nasopharyngeal angiofibroma  
Illinois, Chicago - Nasopharyngeal angiofibroma (2)  
Illinois (Heartland Regional Medical Center) - Nasopharyngeal angiofibroma  
Illinois (Adventist Glen Oaks Hospital) - Angiofibroma  
Maryland (University of Maryland) - Angiofibroma  
Massachusetts (BWH-Pathology) - Nasopharyngeal angiofibroma  
Massachusetts, Peabody - Psoriasis  
Massachusetts (University of Massachusetts Medical Center) - Angiofibroma  
Michigan (Pathology Consultants of Port Huron) - Angiofibroma  
Minnesota (Fairview Ridges Hospital) - Nasopharyngeal angiofibroma  
Missouri (Missouri Delta Medical Center) - Nasal angiofibroma  
Missouri (St. Luke's Hospital) - Nasopharyngeal angiofibroma  
Nebraska (Creighton University Medical Center) - Nasopharyngeal angiofibroma  
New York (Erie County Medical Center) - Nasopharyngeal angiofibroma  
New York (Staten Island University Hospital) - Nasopharyngeal angiofibroma  
New York (SUNY Stony Brook University Hospital) - Angiofibroma  
North Carolina (North Carolina Baptist Hospital) - Angiofibroma  
Ohio (Cleveland Clinic Pathology Residents) - Nasopharyngeal angiofibroma  
Ohio, Columbus - Angiofibroma  
Ohio (The Ohio State University) - Juvenile nasopharyngeal angiofibroma  
Ohio, Union Town - Nasopharyngeal angiofibroma  
Ohio (University of Toledo) - Angiofibroma  
Pennsylvania (Conemaugh Memorial Medical Center) - Nasopharyngeal angiofibroma

Pennsylvania (Drexel University College of Medicine) - Angiofibroma  
Pennsylvania (Magee Women's Hospital) - Nasopharyngeal angiofibroma  
Puerto Rico (University of Puerto Rico) - Nasopharyngeal angiofibroma  
Texas (Carl R. Darnall Army Medical Center) - Nasopharyngeal angiofibroma  
Texas, Crystal Beach - Angiofibroma  
Texas, Houston - Angiolipoma  
Texas, Lubbock - Angiofibroma  
Texas (Scott & White Memorial Hospital) - Angiofibroma  
Virginia, Falls Church - Angiofibroma  
Washington (Seattle VAMC) - Angiofibroma  
West Virginia (Greenbrier Valley Medical Center) - Fibromatosis, extra-abdominal  
Australia (Royal Hobart Hospital) - Nasopharyngeal angiofibroma  
Australia (Sullivan Nicolaides Pathology) - Nasopharyngeal angiofibroma  
Canada (Pasqua Hospital) - Nasopharyngeal angiofibroma  
Canada, Quebec - Nasopharyngeal angiofibroma  
England (John Radcliffe Hospital) - Nasopharyngeal angiofibroma  
Ireland (Kerry General Hospital) - Nasopharyngeal fibroma  
Ireland (University College Hospital) - Nasopharyngeal angiofibroma  
Japan (Aichi Medical University) - Nasopharyngeal angiofibroma  
Japan (Asahi General Hospital) - Nasopharyngeal angiofibroma (1); Nasal polyp (1)  
Japan (Lions Mansion Nijyo) - Nasopharyngeal angiofibroma, nasopharynx  
Japan (Shizuoka Tokushu-Kai Hospital) - Angiofibroma  
Japan, Tokyo - Angiofibroma  
Japan (University of Yamanashi) - Juvenile angiofibroma  
Oman (Khoulia Hospital) - Angiofibroma  
Saudi Arabia (King Khalid University Hospital) - Angiofibroma  
Singapore (Singapore General Hospital) - Juvenile nasopharyngeal angiofibroma  
United Kingdom (Chesterfield Royal Hospital) - Angiofibroma

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

Nasopharyngeal angiofibroma  
 T-2X320, M-91600

### **Case 3 - References:**

Nasopharyngeal angiofibroma. Rare presentations. Sinha R, Das S, et al. *Ear Nose Throat J* 2008; 87(12):pE26.

Juvenile nasopharyngeal angiofibroma. Clinical factors associated with recurrence, and proposal of a staging system. Carrillo JF, Maldonado F, et al. *J Surg Oncol* 2008; 98(2):75-80.

Steroid hormone receptor expression in nasopharyngeal angiofibromas. Consistent expression of estrogen receptor beta. Montag AG, Tretiakova M and Richardson M. *Am J Clin Pathol* 2006; 125(6):832-837.

Frequent chromosomal gains in recurrent juvenile nasopharyngeal angiofibroma. Heinrich UR, Brieger J, et al. *Cancer Genet Cytogenet* 2007; 175(2):138-143.

Nasopharyngeal angiofibroma in an elderly woman. Patrocinio JA, Patrocinio LG, et al. *Am J Otolaryngol* 2005; 26(3):198-200.

### **Case No. 4, Accession No. 31262**

**October 2010**

Baldwin Park (Kaiser Permanente Medical Center) - Extra-abdominal fibromatosis (desmoid tumor) (4)  
Glendale - Fibromatosis  
Hayward (St. Rose Hospital) - Fibromatosis (prob lipofibromatosis)  
Long Beach (Long Beach Veterans Hospital) - Evans tumor (1); Fibromatosis (1)  
Oakland (Alameda County Medical Center) - Fibromatosis

Oxnard (St John's Regional Medical Center) - Fibromatosis (1); Fibromatosis vs nerve sheath tumor (1);  
Myofibromatosis /myofibroma (1)  
San Diego (Naval Medical Center) - Myofibromatosis vs. extra-abdominal fibromatosis  
Santa Barbara (Miramonte Lab) - Infantile fibromatosis  
Woodland Hills (Kaiser Permanente) - Multicentric extra-abdominal fibromatosis  
Arkansas (Associated Pathologist Laboratory) - Juvenile fibromatosis  
Colorado (McKee Medical Center) - Fibromatosis  
Connecticut (Hartford Hospital) - Low grade fibromyxoid sarcoma  
Florida (Gastroenterology Associates of Ocala) - Fibromatosis vs. neurofibroma  
Florida (Global Pathology Lab Services, Inc.) - Fibromatosis (2)  
Florida (Munroe Regional Medical Center) - Plexiform neurofibroma  
Florida, Tallahassee - Fibromatosis  
Georgia (Emory University) - Myofibromatosis  
Georgia, Atlanta - Fibromatosis  
Illinois, Chicago - Kaposi sarcoma (2)  
Illinois (Heartland Regional Medical Center) - Fibromatosis  
Illinois (Adventist Glen Oaks Hospital) - Neurofibroma  
Maryland (University of Maryland) - Desmoid-type fibromatosis vs. low grade fibromyxoid sarcoma  
Massachusetts (BWH-Pathology) - Myofibroblastoma  
Massachusetts, Peabody - Hidradenoma papilliferum  
Massachusetts (University of Massachusetts Medical Center) - Extra-abdominal desmoids tumor (extra-abdominal fibromatosis)  
Michigan (Pathology Consultants of Port Huron) - Desmoid  
Minnesota (Fairview Ridges Hospital) - Extra-abdominal fibromatosis  
Missouri (Missouri Delta Medical Center) - Extra-abdominal desmoids (fibromatosis)  
Missouri (St. Luke's Hospital) - Extra-abdominal fibromatosis (desmoid)  
Nebraska (Creighton University Medical Center) - Extra-abdominal fibromatosis  
New York (Erie County Medical Center) - Desmoid fibromatosis  
New York (Staten Island University Hospital) - Fibromatosis  
New York (SUNY Stony Brook University Hospital) - Fibromatosis  
North Carolina (North Carolina Baptist Hospital) - Fibromatosis  
Ohio (Cleveland Clinic Pathology Residents) - Fibromatosis  
Ohio, Columbus - Neurofibroma  
Ohio (The Ohio State University) - Neurofibroma  
Ohio, Union Town - Extra-abdominal fibromatosis  
Ohio (University of Toledo) - Desmoid fibromatosis  
Pennsylvania (Conemaugh Memorial Medical Center) - Extra-abdominal fibromatosis  
Pennsylvania (Drexel University College of Medicine) - Extra-abdominal fibromatosis  
Pennsylvania (Magee Women's Hospital) - Fibromatosis  
Puerto Rico (University of Puerto Rico) - Fibromatosis  
Texas (Carl R. Darnall Army Medical Center) - Extra-abdominal fibromatosis  
Texas, Crystal Beach - Fibromatosis  
Texas, Houston - Fibromatosis  
Texas, Lubbock - Angiomyofibroblastoma  
Texas (Scott & White Memorial Hospital) - Extra-abdominal fibromatosis (desmoids)  
Virginia, Falls Church - Fibromatosis, desmoids type  
Washington (Seattle VAMC) - Fibromatosis  
West Virginia (Greenbrier Valley Medical Center) - Fibromatosis, extra-abdominal  
Australia (Royal Hobart Hospital) - Desmoid-type fibromatosis  
Australia (Sullivan Nicolaides Pathology) - Fibromatosis  
Canada (Pasqua Hospital) - Fibromatosis  
Canada, Quebec - Fibromatosis  
England (John Radcliffe Hospital) - Inclusion body fibromatosis  
Ireland (Kerry General Hospital) - Fibromatosis  
Ireland (University College Hospital) - Extra-abdominal fibromatosis  
Japan (Aichi Medical University) - Extra-abdominal fibromatosis  
Japan (Asahi General Hospital) - Desmoid-type fibromatosis (1); Hibernoma (1)



Japan (Lions Mansion Nijyo) - Suggestive of sclerosing epithelioid fibrosarcoma, shoulder and neck  
Japan (Shizuoka Tokushu-Kai Hospital) - Extra-abdominal fibromatosis  
Japan, Tokyo - Nodular fasciitis  
Japan (University of Yamanashi) - Myofibromatosis  
Oman (Khoula Hospital) - Fibromatosis  
Saudi Arabia (King Khalid University Hospital) - Fibromatosis coli  
Singapore (Singapore General Hospital) - Classic fetal rhabdomyoma  
United Kingdom (Chesterfield Royal Hospital) - Fibromatosis

**Case 4 - Diagnosis:**

Extra-abdominal (“desmoid”) fibromatosis, shoulder  
 T-Y1220, M-76100

**Case 4 - References:**

Immunohistochemistry for beta-catenin in the differential diagnosis of spindle cell lesions. Analysis of a series and review of the literature. Carlson JW and Fletcher CD. *Histopathol* 2007; 51(4):509-514.

Gene expression in aggressive fibromatosis. Skubitz KM and Skubitz AP. *J Lab Clin Med* 2004; 143(2):89-98.

Aggressive fibromatosis of the abdominal wall, limbs and limb girdles. Phillips SR, A'Hern R and Thomas JM. *Br J Surg* 2004; 91(12):1624-1629.

Evaluation of the long term outcome of patients with extremity desmoids. Chew C, Reid R and O'Dwyer PJ. *Eur J Surg Oncol* 2004; 30(4):428-432.

Aggressive fibromatosis (desmoids tumors): Definition, occurrence, pathology, diagnostic problems, clinical behavior, genetic background. Ferenc T, Sygut J, et al. *Pol J Pathol* 2006; 57(1):5-15.

Desmoid-type fibromatosis involving the brachial plexus. Seinfeld J, Kleinschmidt-De Masters BK, et al. *Neurosurg Focus* 2007; 22(6):pE22.

**Case No. 5, Accession No. 31261**

**October 2010**

Baldwin Park (Kaiser Permanente Medical Center) - Leiomyoma (4)  
Glendale - Leiomyoma  
Hayward (St. Rose Hospital) - Leiomyoma  
Long Beach (Long Beach Veterans Hospital) - Epithelioid leiomyoma (2)  
Oakland (Alameda County Medical Center) - Leiomyoma  
Oxnard (St John's Regional Medical Center) - Leiomyoma (3)  
San Diego (Naval Medical Center) - Leiomyoma  
Santa Barbara (Miramonte Lab) - Leiomyoma  
Woodland Hills (Kaiser Permanente) - Leiomyoma  
Arkansas (Associated Pathologist Laboratory) - Embryonal rhabdomyosarcoma  
Colorado (McKee Medical Center) - Cellular angiofibroma  
Connecticut (Hartford Hospital) - Benign leiomyoma  
Florida (Gastroenterology Associates of Ocala) - Cellular lipoma  
Florida (Global Pathology Lab Services, Inc.) - Leiomyoma (2)  
Florida (Munroe Regional Medical Center) - Leiomyoma  
Florida, Tallahassee - Leiomyoma  
Georgia (Emory University) - Benign genital stromal tumor, cellular angiofibroma  
Georgia, Atlanta - Leiomyoma  
Illinois, Chicago - Leiomyosarcoma (2)  
Illinois (Heartland Regional Medical Center) - Leiomyoma  
Illinois (Adventist Glen Oaks Hospital) - Leiomyoma  
Maryland (University of Maryland) - Smooth muscle tumor of unknown malignant potential vs. leiomyosarcoma

Massachusetts (BWH-Pathology) - Angiomyoblastoma  
Massachusetts, Peabody - Dermoid cyst, ovary  
Massachusetts (University of Massachusetts Medical Center) - Cellular leiomyoma  
Michigan (Pathology Consultants of Port Huron) - Leiomyoma  
Minnesota (Fairview Ridges Hospital) - Leiomyoma  
Missouri (Missouri Delta Medical Center) - Cellular leiomyoma  
Missouri (St. Luke's Hospital) - Leiomyoma  
Nebraska (Creighton University Medical Center) - Leiomyoma  
New York (Erie County Medical Center) - Smooth muscle tumor with recurrent potential  
New York (Staten Island University Hospital) - Leiomyoma  
New York (SUNY Stony Brook University Hospital) - Leiomyoma  
North Carolina (North Carolina Baptist Hospital) - Leiomyoma  
Ohio (Cleveland Clinic Pathology Residents) - Myofibroblastoma  
Ohio, Columbus - Leiomyoma vs. angiomyofibroblastoma  
Ohio (The Ohio State University) - Leiomyoma of external genitalia  
Ohio, Union Town - Genital leiomyoma  
Ohio (University of Toledo) - Leiomyoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Rhabdomyoma  
Pennsylvania (Drexel University College of Medicine) - Leiomyoma  
Pennsylvania (Magee Women's Hospital) - Leiomyoma  
Puerto Rico (University of Puerto Rico) - Leiomyoma  
Texas (Carl R. Darnall Army Medical Center) - Leiomyoma  
Texas, Crystal Beach - Myofibroblastic tumor  
Texas, Houston - Leiomyoma  
Texas, Lubbock - Rhabdomyosarcoma  
Texas (Scott & White Memorial Hospital) - Leiomyoma  
Virginia, Falls Church - Leiomyoma  
Washington (Seattle VAMC) - Leiomyoma  
West Virginia (Greenbrier Valley Medical Center) - Smooth muscle tumor, uncertain malignancy  
Australia (Royal Hobart Hospital) - Circumscribed smooth muscle tumor with epithelioid features, favor leiomyoma  
Australia (Sullivan Nicolaides Pathology) - Leiomyoma  
Canada (Pasqua Hospital) - Leiomyoma  
Canada, Quebec - Leiomyoma  
England (John Radcliffe Hospital) - Solitary fibrous tumor  
Ireland (Kerry General Hospital) - Atypical vulval smooth muscle tumor  
Ireland (University College Hospital) - Leiomyoma  
Japan (Aichi Medical University) - Leiomyoma  
Japan (Asahi General Hospital) - Leiomyoma (1); Dermatofibrosarcoma protuberans (1)  
Japan (Lions Mansion Nijo) - Angioleiomyoma, suburethral tissue  
Japan (Shizuoka Tokushu-Kai Hospital) - Fibrous histiocytoma  
Japan, Tokyo - Leiomyoma  
Japan (University of Yamanashi) - Leiomyoma  
Oman (Khoula Hospital) - Leiomyoma  
Saudi Arabia (King Khalid University Hospital) - Leiomyoma  
Singapore (Singapore General Hospital) - Leiomyoma  
United Kingdom (Chesterfield Royal Hospital) - Vulval leiomyoma

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

Leiomyoma, vulva (peri-urethral)  
 T-75190, M-88900

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

A rare case of primary leiomyoma of the valve. Reyad MM, Gazvani MR, et al. *J Obstet Gynaecol* 2006; 26(1):73-74.  
 A clonal translocation (7; 8) (p13; q11.2) in a leiomyoma of the vulva. Horton E, Dobin SM, et al. *Cancer Genet Cytogenet* 2006; 170(1):58-60.

Recurrent vulval leiomyoma in a postmenopausal patient mimicking vulval carcinoma. Guven S, Esinler D, et al. *J Obstet Gynaecol* 2005; 25(7):732-733.

Leiomyomas of the female urethra and bladder. A report of five cases and review of the literature. Bai SW, Jung HJ, et al. *Int Urogynecol J Pelvic Floor Dysfunct* 2007; 18(8):913-917.

Leiomyoma of the urethra and bladder. Goldman HB, McAchran SE and MacLennan GT. *J Urol* 2007; 177(5):1890.

A leiomyoma presenting as an exophytic periurethral mass. A case report and review of the literature. Hwang JH, Lee JK, et al. *J Minim Invasive Gynecol* 2009; 16(4):507-509.

## **Case No. 6, Accession No. 31178**

**October 2010**

Baldwin Park (Kaiser Permanente Medical Center) - Leiomyosarcoma (4)  
Glendale - Leiomyosarcoma  
Hayward (St. Rose Hospital) - Smooth muscle tumor of uncertain malignant potential  
Long Beach (Long Beach Veterans Hospital) - Leiomyosarcoma (2)  
Oakland (Alameda County Medical Center) - Leiomyosarcoma  
Oxnard (St John's Regional Medical Center) - Leiomyoma (3)  
San Diego (Naval Medical Center) - Leiomyosarcoma  
Santa Barbara (Miramonte Lab) - Symplastic leiomyoma  
Woodland Hills (Kaiser Permanente) - Leiomyosarcoma  
Arkansas (Associated Pathologist Laboratory) - Leiomyosarcoma  
Colorado (McKee Medical Center) - Leiomyosarcoma  
Connecticut (Hartford Hospital) - Leiomyosarcoma  
Florida (Gastroenterology Associates of Ocala) - Leiomyosarcoma  
Florida (Global Pathology Lab Services, Inc.) - Leiomyosarcoma (2)  
Florida (Munroe Regional Medical Center) - Fibrosarcoma  
Florida, Tallahassee - Leiomyosarcoma  
Georgia (Emory University) - Leiomyosarcoma  
Georgia, Atlanta - Leiomyosarcoma, rule out spindle cell rhabdomyosarcoma  
Illinois, Chicago - Fibrosarcoma (2)  
Illinois (Heartland Regional Medical Center) - Leiomyosarcoma  
Illinois (Adventist Glen Oaks Hospital) - Leiomyosarcoma  
Maryland (University of Maryland) - Leiomyosarcoma  
Massachusetts (BWH-Pathology) - Simplex leiomyoma  
Massachusetts, Peabody - Fibrolipoma, breast  
Massachusetts (University of Massachusetts Medical Center) - Leiomyosarcoma  
Michigan (Pathology Consultants of Port Huron) - Symplastic leiomyoma  
Minnesota (Fairview Ridges Hospital) - Leiomyosarcoma  
Missouri (Missouri Delta Medical Center) - Leiomyosarcoma  
Missouri (St. Luke's Hospital) - Leiomyosarcoma  
Nebraska (Creighton University Medical Center) - Leiomyosarcoma  
New York (Erie County Medical Center) - Leiomyosarcoma  
New York (Staten Island University Hospital) - Leiomyosarcoma  
New York (SUNY Stony Brook University Hospital) - Leiomyosarcoma  
North Carolina (North Carolina Baptist Hospital) - Leiomyosarcoma  
Ohio (Cleveland Clinic Pathology Residents) - Leiomyosarcoma  
Ohio, Columbus - Leiomyosarcoma  
Ohio (The Ohio State University) - Leiomyosarcoma  
Ohio, Union Town - Leiomyosarcoma, well-differentiated  
Ohio (University of Toledo) - Leiomyosarcoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Leiomyosarcoma  
Pennsylvania (Drexel University College of Medicine) - Leiomyoma

Pennsylvania (Magee Women's Hospital) - Leiomyosarcoma  
Puerto Rico (University of Puerto Rico) - Leiomyosarcoma, scrotal  
Texas (Carl R. Darnall Army Medical Center) - Leiomyosarcoma  
Texas, Crystal Beach - Leiomyoma  
Texas, Houston - Bizarre leiomyoma  
Texas, Lubbock - Leiomyosarcoma  
Texas (Scott & White Memorial Hospital) - Leiomyosarcoma  
Virginia, Falls Church - Leiomyosarcoma  
Washington (Seattle VAMC) - Leiomyosarcoma consistent with low grade growth pattern  
West Virginia (Greenbrier Valley Medical Center) - Leiomyosarcoma  
Australia (Royal Hobart Hospital) - Leiomyosarcoma  
Australia (Sullivan Nicolaides Pathology) - Leiomyosarcoma  
Canada (Pasqua Hospital) - Leiomyosarcoma  
Canada, Quebec - Leiomyosarcoma  
England (John Radcliffe Hospital) - Leiomyosarcoma  
Ireland (Kerry General Hospital) - Leiomyosarcoma  
Ireland (University College Hospital) - Leiomyosarcoma  
Japan (Aichi Medical University) - Leiomyosarcoma  
Japan (Asahi General Hospital) - Leiomyosarcoma (2)  
Japan (Lions Mansion Nijyo) - Leiomyosarcoma, scrotum  
Japan (Shizuoka Tokushu-Kai Hospital) - Leiomyoma  
Japan, Tokyo - Leiomyosarcoma  
Japan (University of Yamanashi) - Leiomyosarcoma  
Oman (Khoula Hospital) - Leiomyosarcoma  
Saudi Arabia (King Khalid University Hospital) - Leiomyosarcoma  
Singapore (Singapore General Hospital) - Leiomyosarcoma  
United Kingdom (Chesterfield Royal Hospital) - Atypical (symplastic) leiomyoma

#### **Case 6 - Diagnosis:**

Leiomyosarcoma, scrotum  
 T-78000, M-88903

#### **Case 6 - References:**

Leiomyosarcoma of the paratesticular region. A Clinicopathologic study. Fisher C, Goldblum JR, Epstein JI, et al. *Am J Surg Pathol* 2001; 25(9):1143-1149.  
  
 Leiomyosarcoma of scrotum--case report and review of literature. John T, Portenier D, et al. *Urol* 2006; 67(2):424.  
  
 Leiomyosarcoma of the scrotum--a rare tumour. Rajkomar K and Mundy I. *N Z Med J* 2007; 120 (1266): pU2835.  
  
 Leiomyosarcoma of the scrotum. Desai SR and Angarkar NN. *Ind J Pathol Microbiol* 2003; 46(2):212-213.

#### **Case No. 7, Accession No. 31220**

**October 2010**

Baldwin Park (Kaiser Permanente Medical Center) - Leiomyosarcoma (4)  
Glendale - Leiomyosarcoma  
Hayward (St. Rose Hospital) - Leiomyosarcoma  
Long Beach (Long Beach Veterans Hospital) - Metastatic leiomyosarcoma (2)  
Oakland (Alameda County Medical Center) - Leiomyosarcoma  
Oxnard (St John's Regional Medical Center) - Leiomyosarcoma (3)  
San Diego (Naval Medical Center) - Leiomyosarcoma  
Santa Barbara (Miramonte Lab) - Leiomyosarcoma  
Woodland Hills (Kaiser Permanente) - High grade leiomyosarcoma  
Arkansas (Associated Pathologist Laboratory) - Pleomorphic rhabdomyosarcoma  
Colorado (McKee Medical Center) - Leiomyosarcoma

Connecticut (Hartford Hospital) - Leiomyosarcoma  
Florida (Gastroenterology Associates of Ocala) - Malignant fibrous histiocytoma  
Florida (Global Pathology Lab Services, Inc.) - Leiomyosarcoma (2)  
Florida (Munroe Regional Medical Center) - Rhabdomyosarcoma  
Florida, Tallahassee - Leiomyosarcoma  
Georgia (Emory University) - Leiomyosarcoma  
Georgia, Atlanta - Leiomyosarcoma  
Illinois, Chicago - Leiomyosarcoma  
Illinois (Heartland Regional Medical Center) - Leiomyosarcoma  
Illinois (Adventist Glen Oaks Hospital) - Leiomyosarcoma  
Maryland (University of Maryland) - Leiomyosarcoma  
Massachusetts (BWH-Pathology) - Leiomyosarcoma  
Massachusetts, Peabody - Fibroma of tendon sheath  
Massachusetts (University of Massachusetts Medical Center) - Leiomyosarcoma  
Michigan (Pathology Consultants of Port Huron) - Leiomyosarcoma  
Minnesota (Fairview Ridges Hospital) - Leiomyosarcoma  
Missouri (Missouri Delta Medical Center) - Malignant fibrous histiocytoma  
Missouri (St. Luke's Hospital) - Leiomyosarcoma  
Nebraska (Creighton University Medical Center) - Leiomyosarcoma  
New York (Erie County Medical Center) - Leiomyosarcoma  
New York (Staten Island University Hospital) - Bizarre leiomyoma  
New York (SUNY Stony Brook University Hospital) - Leiomyosarcoma  
North Carolina (North Carolina Baptist Hospital) - Leiomyosarcoma  
Ohio (Cleveland Clinic Pathology Residents) - Leiomyosarcoma  
Ohio, Columbus - Leiomyosarcoma  
Ohio (The Ohio State University) - Leiomyosarcoma  
Ohio, Union Town - Leiomyosarcoma  
Ohio (University of Toledo) - Leiomyosarcoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Leiomyosarcoma  
Pennsylvania (Drexel University College of Medicine) - Leiomyosarcoma  
Pennsylvania (Magee Women's Hospital) - Leiomyosarcoma  
Puerto Rico (University of Puerto Rico) - Leiomyosarcoma  
Texas (Carl R. Darnall Army Medical Center) - Leiomyosarcoma  
Texas, Crystal Beach - Leiomyosarcoma  
Texas, Houston - Leiomyosarcoma  
Texas, Lubbock - Rhabdomyosarcoma  
Texas (Scott & White Memorial Hospital) - Leiomyosarcoma  
Virginia, Falls Church - Leiomyosarcoma  
Washington (Seattle VAMC) - Leiomyosarcoma consistent with moderate grade growth pattern  
West Virginia (Greenbrier Valley Medical Center) - Fibrosarcoma  
Australia (Royal Hobart Hospital) - Leiomyosarcoma  
Australia (Sullivan Nicolaides Pathology) - Leiomyosarcoma  
Canada (Pasqua Hospital) - Leiomyosarcoma  
Canada, Quebec - Leiomyosarcoma  
England (John Radcliffe Hospital) - Pleomorphic leiomyosarcoma  
Ireland (Kerry General Hospital) - Leiomyosarcoma  
Ireland (University College Hospital) - Leiomyosarcoma  
Japan (Aichi Medical University) - Leiomyosarcoma  
Japan (Asahi General Hospital) - Leiomyosarcoma (2)  
Japan (Lions Mansion Nijyo) - Leiomyosarcoma, chest wall  
Japan (Shizuoka Tokushu-Kai Hospital) - Leiomyosarcoma  
Japan, Tokyo - Leiomyosarcoma  
Japan (University of Yamanashi) - Leiomyosarcoma  
Oman (Khoula Hospital) - Leiomyosarcoma  
Saudi Arabia (King Khalid University Hospital) - Leiomyosarcoma  
Singapore (Singapore General Hospital) - Leiomyosarcoma  
United Kingdom (Chesterfield Royal Hospital) - Leiomyosarcoma

**Case 7 - Diagnosis:**

Metastatic leiomyosarcoma, chest wall, presumably from contralateral chest wall (primary site)  
T-Y2100, M-88903

**Case 7 - References:**

Metastases to soft tissue: A review of 118 cases over a 30-year period. Plaza JA, Suster S, et al. *Cancer* 2008; 112(1):193-203.

Dermal leiomyosarcoma. Kuflik JH, Schwartz RA and Rothenberg J. *J Am Acad Dermatol* 2003; 48: pS51-53.

Cutaneous leiomyosarcoma. Porter CJ and Januszkiewicz JS. *Plast Reconstr Surg* 2002; 109(3):964-967.

Metastatic cutaneous leiomyosarcoma from primary neoplasm of the mesentery. Kim KJ, Lee WS, et al. *Int J Dermatol* 2001; 40(8):527-529.

**Case No. 8, Accession No. 31179**

**October 2010**

Baldwin Park (Kaiser Permanente Medical Center) - Myxoma (4)  
Glendale - Lipoma  
Hayward (St. Rose Hospital) - Fibromyxoma, benign  
Long Beach (Long Beach Veterans Hospital) - Myxoma (2)  
Oakland (Alameda County Medical Center) - Low grade myxoid sarcoma  
Oxnard (St John's Regional Medical Center) - Myxoma (3)  
San Diego (Naval Medical Center) - Well-differentiated liposarcoma with myxoid differentiation  
Santa Barbara (Miramonte Lab) - Myxoid chondroma  
Woodland Hills (Kaiser Permanente) - Lipoblastoma  
Arkansas (Associated Pathologist Laboratory) - Intramuscular myxoma  
Colorado (McKee Medical Center) - Well-differentiated liposarcoma  
Connecticut (Hartford Hospital) - Myxolipoma  
Florida (Gastroenterology Associates of Ocala) - Chondromyxoid fibroma  
Florida (Global Pathology Lab Services, Inc.) - Myxoid fibrolipoma (2)  
Florida (Munroe Regional Medical Center) - Myxoma  
Florida, Tallahassee - Myxoma  
Georgia (Emory University) - Fibromyxoid sarcoma, low grade (Evans tumor)  
Georgia, Atlanta - Myxoid lipoma  
Illinois, Chicago - Hemangiosarcoma (2)  
Illinois (Heartland Regional Medical Center) - Well-differentiated liposarcoma  
Illinois (Adventist Glen Oaks Hospital) - Intramuscular myxoma  
Maryland (University of Maryland) - Myxoma  
Massachusetts (BWH-Pathology) - Myxoma  
Massachusetts, Peabody - Nuchal type, fibroma  
Massachusetts (University of Massachusetts Medical Center) - Myxoid spindle cell lipoma  
Michigan (Pathology Consultants of Port Huron) - Juxtaarticular myxoma  
Minnesota (Fairview Ridges Hospital) - Myxoid liposarcoma  
Missouri (Missouri Delta Medical Center) - Low grade myxofibrosarcoma  
Missouri (St. Luke's Hospital) - Lipoma consistent with fibromatosis, myxoid and chondroid  
Nebraska (Creighton University Medical Center) - Myxolipoma  
New York (Erie County Medical Center) - Fibromyxoid sarcoma  
New York (Staten Island University Hospital) - Fibromyxoma  
New York (SUNY Stony Brook University Hospital) - Myxoma  
North Carolina (North Carolina Baptist Hospital) - Lipoma with degenerative changes  
Ohio (Cleveland Clinic Pathology Residents) - Intramuscular myxoma  
Ohio, Columbus - Low grade fibromyxosarcoma (Evan's tumor)  
Ohio (The Ohio State University) - Low grade fibromyxoid sarcoma

Ohio, Union Town - Well-differentiated sclerosing liposarcoma  
Ohio (University of Toledo) - Myxoid neurofibroma vs. low grade fibromyxoid sarcoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Low grade myxoid fibrosarcoma  
Pennsylvania (Drexel University College of Medicine) - Intramuscular myxoma  
Pennsylvania (Magee Women's Hospital) - Myxoma  
Puerto Rico (University of Puerto Rico) - Spindle cell lipoma vs. desmoplastic fibroma  
Texas (Carl R. Darnall Army Medical Center) - Low grade fibromyxoid sarcoma  
Texas, Crystal Beach - Intramuscular myxoma  
Texas, Houston - Justauricular myxoma  
Texas, Lubbock - Myxoid liposarcoma  
Texas (Scott & White Memorial Hospital) - Atypical lipomatous tumor with myxoid change  
Virginia, Falls Church - Intramuscular myxoma  
Washington (Seattle VAMC) - Fibromatosis, desmoids with ischemic necro of fat cells  
West Virginia (Greenbrier Valley Medical Center) - Intramuscular myxoma  
Australia (Royal Hobart Hospital) - Probable low grade and degenerate liposarcoma  
Australia (Sullivan Nicolaides Pathology) - Myxoma  
Canada (Pasqua Hospital) - Fat necrosis  
Canada, Quebec - Nerve sheath myxoma  
England (John Radcliffe Hospital) - Low grade myxofibrosarcoma  
Ireland (Kerry General Hospital) - Well-differentiated liposarcoma  
Ireland (University College Hospital) - Intramuscular myxoma  
Japan (Aichi Medical University) - Myxoma  
Japan (Asahi General Hospital) - Cutaneous myxoma (1); Osteochondroma (1)  
Japan (Lions Mansion Nijyo) - Liposarcoma, arm  
Japan (Shizuoka Tokushu-Kai Hospital) - Granular cell tumor  
Japan, Tokyo - Lipoma  
Japan (University of Yamanashi) - Lipoma with myxoid change  
Oman (Khoula Hospital) - Liposarcoma  
Saudi Arabia (King Khalid University Hospital) - Myxoid liposarcoma (4); Myxolipoma (3)  
Singapore (Singapore General Hospital) - Spindle cell lipoma  
United Kingdom (Chesterfield Royal Hospital) - Low grade fibromyxoid sarcoma

**Outside Consultation:** Richard Kempson, Stanford University Medical Center, Stanford, CA, "Myxoid Fibrolipoma".

**Case 8 - Diagnosis:**

Benign myxoid neoplasm (nos), arm  
T-Y8220, M-80000

**Director's Note:** - Not all study set slides showed a fatty component . (drc)

**Case 8 - References:**

Myxoid tumor of soft tissue. Dhouib RS, Driss M, et al. *Pathologica* 2006; 98(3):175-177.

Myxoid tumours of soft tissue: The so-called myxoid extracellular matrix is heterogeneous in composition. Williams SM, Schrage YM, et al. *Histopathol* 2008; 52(4):465-474.

Myxoma is not a single entity. A review of the concept of myxoma. Allen PW. *Ann Diagn Pathol* 2000; 4(2):99-123.

**Case No. 9, Accession No. 31279**

**October 2010**

Baldwin Park (Kaiser Permanente Medical Center) - Pleomorphic lipoma (4)  
Glendale - Pleomorphic lipoma  
Hayward (St. Rose Hospital) - Spindle cell/pleomorphic lipoma  
Long Beach (Long Beach Veterans Hospital) - Atypical lipoma (2)  
Oakland (Alameda County Medical Center) - Pleomorphic lipoma

Oxnard (St John's Regional Medical Center) - Atypical lipoma (3)  
San Diego (Naval Medical Center) - Pleomorphic lipoma  
Santa Barbara (Miramonte Lab) - Liposarcoma  
Woodland Hills (Kaiser Permanente) - Pleomorphic lipoma  
Arkansas (Associated Pathologist Laboratory) - Atypical lipomatous tumor  
Colorado (McKee Medical Center) - Atypical lipoma  
Connecticut (Hartford Hospital) - Spindle/pleomorphic lipoma  
Florida (Gastroenterology Associates of Ocala) - Liposarcoma  
Florida (Global Pathology Lab Services, Inc.) - Pleomorphic lipoma (2)  
Florida (Munroe Regional Medical Center) - Pleomorphic lipoma  
Florida, Tallahassee - Spindled cell lipoma  
Georgia (Emory University) - Spindle cell/pleomorphic lipoma  
Georgia, Atlanta - Atypical lipomatous tumor/well-differentiated liposarcoma  
Illinois, Chicago - Atypical lipomatous neoplasm (2)  
Illinois (Heartland Regional Medical Center) - Pleomorphic lipoma  
Illinois (Adventist Glen Oaks Hospital) - Pleomorphic lipoma  
Maryland (University of Maryland) - Spindle cell/pleomorphic lipoma  
Massachusetts (BWH-Pathology) - Pleomorphic lipoma  
Massachusetts, Peabody - Nodular fasciitis  
Massachusetts (University of Massachusetts Medical Center) - Pleomorphic lipoma  
Michigan (Pathology Consultants of Port Huron) - Liposarcoma  
Minnesota (Fairview Ridges Hospital) - Spindle/pleomorphic lipoma  
Missouri (Missouri Delta Medical Center) - Spindle cell lipoma  
Missouri (St. Luke's Hospital) - Spindle cell/pleomorphic lipoma  
Nebraska (Creighton University Medical Center) - Pleomorphic lipoma  
New York (Erie County Medical Center) - Liposarcoma  
New York (Staten Island University Hospital) - Pleomorphic lipoma  
New York (SUNY Stony Brook University Hospital) - Spindle cell lipoma  
North Carolina (North Carolina Baptist Hospital) - Pleomorphic lipoma  
Ohio (Cleveland Clinic Pathology Residents) - Pleomorphic/spindle cell lipoma  
Ohio, Columbus - Pleomorphic lipoma  
Ohio (The Ohio State University) - Pleomorphic lipoma  
Ohio, Union Town - Atypical lipoma/well-differentiated liposarcoma  
Ohio (University of Toledo) - Pleomorphic lipoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Atypical lipomatous tumor/well-differentiated liposarcoma  
Pennsylvania (Drexel University College of Medicine) - Well-differentiated liposarcoma  
Pennsylvania (Magee Women's Hospital) - Pleomorphic lipoma  
Puerto Rico (University of Puerto Rico) - Pleomorphic lipoma vs. atypical lipomatous tumor  
Texas (Carl R. Darnall Army Medical Center) - Pleomorphic lipoma  
Texas, Crystal Beach - Atypical lipomatous tumor  
Texas, Houston - Well-differentiated liposarcoma  
Texas, Lubbock - Atypical lipoma  
Texas (Scott & White Memorial Hospital) - Pleomorphic lipoma  
Virginia, Falls Church - Liposarcoma  
Washington (Seattle VAMC) - Atypical lipoma (foolish and inaccurate term)  
West Virginia (Greenbrier Valley Medical Center) - Atypical lipomatous tumor  
Australia (Royal Hobart Hospital) - Spindle cell lipoma, no atypical features identified  
Australia (Sullivan Nicolaides Pathology) - Well-differentiated liposarcoma  
Canada (Pasqua Hospital) - Foreign body reaction  
Canada, Quebec - Well-differentiated liposarcoma  
England (John Radcliffe Hospital) - Atypical lipomatous tumor/well-differentiated liposarcoma  
Ireland (Kerry General Hospital) - Spermatic cord lipoma  
Ireland (University College Hospital) - Lipoma  
Japan (Aichi Medical University) - Well-differentiated liposarcoma  
Japan (Asahi General Hospital) - Fibrous pseudotumor (1); Well-differentiated liposarcoma (1)  
Japan (Lions Mansion Nijyo) - Pleomorphic lipoma, posterior neck  
Japan (Shizuoka Tokushu-Kai Hospital) - Pleomorphic lipoma



Japan, Tokyo - Pleomorphic lipoma  
Japan (University of Yamanashi) - Well-differentiated liposarcoma  
Oman (Khoula Hospital) - Atypical lipomatous tumor  
Saudi Arabia (King Khalid University Hospital) - Pleomorphic lipoma  
Singapore (Singapore General Hospital) - Pleomorphic lipoma  
United Kingdom (Chesterfield Royal Hospital) - Pleomorphic lipoma

**Case 9 - Diagnosis:**

Pleomorphic lipoma, posterior neck  
T-Y0600, M-88500

**Case 9 - References:**

Low-fat and fat-free pleomorphic lipomas: A diagnostic challenge. Schdeva MP, Goldblum JR, et al. *Am J Dermatopathol* 2009; 31(5):423-426.

Intradermal spindle cell/pleomorphic lipoma: A distinct subset. French CA, Mentzel T, Kutzner H, et al. *Am J Dermatopathol* 2000; 22(6):496-502.

Cutaneous lipomatous neoplasms. Mentzel T. *Semin Diagn Pathol* 2001; 18(4):250-257.

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

**Case No. 10, Accession No. 31188**

**October 2010**

Baldwin Park (Kaiser Permanente Medical Center) - Lipoma-like well-differentiated liposarcoma (4)  
Glendale - Well-differentiated liposarcoma  
Hayward (St. Rose Hospital) - Lipoma of spermatic cord  
Long Beach (Long Beach Veterans Hospital) - Lipoma (2)  
Oakland (Alameda County Medical Center) - Lipoma  
Oxnard (St John's Regional Medical Center) - Lipoma (3)  
San Diego (Naval Medical Center) - Well-differentiated liposarcoma  
Santa Barbara (Miramonte Lab) - Lipoma  
Woodland Hills (Kaiser Permanente) - Lipoma of the spermatic cord  
Arkansas (Associated Pathologist Laboratory) - Pelvic lipomatosis  
Colorado (McKee Medical Center) - Fatty metamorphosis  
Connecticut (Hartford Hospital) - Atypical lipomatous tumor/well-differentiated liposarcoma  
Florida (Gastroenterology Associates of Ocala) - Lipomatosis  
Florida (Global Pathology Lab Services, Inc.) - Lipoma (2)  
Florida (Munroe Regional Medical Center) - Lipoma  
Florida, Tallahassee - Lipoma  
Georgia (Emory University) - Atypical lipomatous neoplasm/well-differentiated liposarcoma (ALN/WDL)  
Georgia, Atlanta - Lipoma  
Illinois, Chicago - Lipoma (2)  
Illinois (Heartland Regional Medical Center) - Lipoma  
Illinois (Adventist Glen Oaks Hospital) - Lipoma  
Maryland (University of Maryland) - Favor atypical lipomatous tumor/well-differentiated liposarcoma  
Massachusetts (BWH-Pathology) - Lipoma (DDx: Atypical lipoma)  
Massachusetts, Peabody - Lobular in-situ  
Massachusetts (University of Massachusetts Medical Center) - Atypical lipomatous tumor/well-differentiated liposarcoma  
Michigan (Pathology Consultants of Port Huron) - Atypical lipomatous tumor  
Minnesota (Fairview Ridges Hospital) - Well-differentiated liposarcoma  
Missouri (Missouri Delta Medical Center) - Atypical lipoma

Missouri (St. Luke's Hospital) - Lipoma/fibrolipoma  
Nebraska (Creighton University Medical Center) - Lipoma  
New York (Erie County Medical Center) - Lipomatous hypertrophy  
New York (Staten Island University Hospital) - Atypical lipomatous tumor  
New York (SUNY Stony Brook University Hospital) - Well-differentiated liposarcoma  
North Carolina (North Carolina Baptist Hospital) - Atypical lipoma/well-differentiated liposarcoma  
Ohio (Cleveland Clinic Pathology Residents) - Well-differentiated liposarcoma  
Ohio, Columbus - Lipoma  
Ohio (The Ohio State University) - Lipoma  
Ohio, Union Town - Vas deferens and benign adipose tissue  
Ohio (University of Toledo) - Angiolipoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Well-differentiated liposarcoma of spermatic cord  
Pennsylvania (Drexel University College of Medicine) - Cord lipoma  
Pennsylvania (Magee Women's Hospital) - Lipoma  
Puerto Rico (University of Puerto Rico) - Lipoma  
Texas (Carl R. Darnall Army Medical Center) - Lipoma  
Texas, Crystal Beach - Lipomatous tissue  
Texas, Houston - Atypical lipoma  
Texas, Lubbock - Well-differentiated liposarcoma  
Texas (Scott & White Memorial Hospital) - Well-differentiated liposarcoma  
Virginia, Falls Church - Lipoma  
Washington (Seattle VAMC) - Lipoma with reactive interstitial fibrocytes  
West Virginia (Greenbrier Valley Medical Center) - Lipoma  
Australia (Royal Hobart Hospital) - Spermatic cord lipoma, no atypical features identified  
Australia (Sullivan Nicolaides Pathology) - Well-differentiated liposarcoma  
Canada (Pasqua Hospital) - Foreign body reaction  
Canada, Quebec - Well-differentiated liposarcoma  
England (John Radcliffe Hospital) - Atypical lipomatous tumor/well-differentiated liposarcoma  
Ireland (Kerry General Hospital) - Spermatic cord lipoma  
Ireland (University College Hospital) - Lipoma  
Japan (Aichi Medical University) - Well-differentiated liposarcoma  
Japan (Asahi General Hospital) - Fibrous pseudotumor (1); Lipoma (1)  
Japan (Lions Mansion Nijyo) - Atypical lipoma/well-differentiated liposarcoma  
Japan (Shizuoka Tokushu-Kai Hospital) - Lipoma  
Japan, Tokyo - Angiolipoma  
Japan (University of Yamanashi) - Well-differentiated liposarcoma  
Oman (Khoulia Hospital) - Lipomatous tumor  
Saudi Arabia (King Khalid University Hospital) - Well-differentiated liposarcoma  
Singapore (Singapore General Hospital) - Atypical lipomatous tumor/well-differentiated liposarcoma  
United Kingdom (Chesterfield Royal Hospital) - Spermatic cord lipoma

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

Well-differentiated, lipoma-like liposarcoma, scrotum  
 T-78000, M-88513

Director's Note: Although most of the slides showed "intrascrotal lipoma", others, in some of the sets, showed changes of "atypical lipoma", which, in the scrotum, is best considered "well-differentiated liposarcoma." (drc)

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

Well-differentiated liposarcoma (atypical lipomatous tumors). Dei Tos AP, et al. *Semin Diagn Pathol* 2001; 18(4):258-262.

Atypical lipomatous tumor, its variants, and its combined forms. Evans HL. *Am J Surg Pathol* 2007; 31(1):1-14.

Deep-seated ordinary and atypical lipomas: Histopathology, cytogenetics, clinical features, and outcome in 215 tumours of the extremity and trunk wall. Billing V, Mertens F, et al. *J Bone Joint Surg Br* 2008; 90(7):929-933.

Value of cytological imprints in the diagnosis of atypical lipomatous tumor. Fernandez-Flores A and Juanes F. *Diagn Cytopathol* 2005; 32(1):51-52.

Well-differentiated giant scrotal liposarcoma: Case presentation and management. Sighinolfi MC, De Stefani S, et al. *Andrologia* 2008; 40(3):200-202.

Paratesticular liposarcoma--a case report. Patrikar A, Mahore S and Bothale K. *Ind J Pathol Microbiol* 2006; 49(3):402-404.