

**California Tumor Tissue Registry's
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"Myofibroblastic/Fibroblastic & Fibrohistiocytic Lesions - part 1"

[note: FH part 2 will be in March, 2010 (vol 3(6))]

Case 1

A 60 y/o woman had a 5 x 3 cm mass of one weeks duration involving the buttock. She claimed to have run into a doorknob.

Dx: Proliferative fasciitis, buttock

Claremont - Proliferative myositis

Woodland Hills (Kaiser Permanente) - Proliferative fasciitis with central fat necrosis

Santa Rosa (Santa Rosa Memorial Hospital) - Proliferative fasciitis (1); Nodular fasciitis (2)

Alabama, Birmingham - Fat necrosis with associated atypical fibroblasts

Alabama (Norwood Clinic) - Liposarcoma

Arizona (Integrated Pathology) - Proliferative fasciitis

Arkansas (The Laboratory of Pathology) - Proliferative fasciitis

Georgia, Atlanta - Nodular fasciitis

Kansas (Peterson Laboratory Services) - Proliferative fasciitis

Massachusetts, Peabody - Dedifferentiated liposarcoma

Massachusetts (Rhode Island-Lifespan) - Proliferative fasciitis

North Carolina (TriPath Oncology) - Proliferative fasciitis

Ohio, Columbus - Soft tissue, proliferative fasciitis

Texas, Victoria - WDLS with focal dedifferentiated

Washington, Bothell - Nodular fasciitis

Singapore (Freelance/Locum Practice) - Proliferative fasciitis

The Netherlands, Amstelveen - Ischemic fasciitis

Fine needle aspiration cytology of pseudosarcomatous reactive proliferative lesions of soft tissue. Wong NL. Acta Cytol 46(6): p1049-55, 2002.

Vimentin, smooth muscle actin, desmin, S-100 protein, p53, and estrogen receptor expression in elastofibroma and nodular fasciitis. Kayaselcuk F; Demirhan B; Kayaselcuk U; Ozerdem OR; Tuncer I. Ann Diagn Pathol 6(2): p94-9, 2002.

Proliferating myositis and proliferating fasciitis: benign lesions often misdiagnosed as sarcomas. Jayawickrama MM; Jayasekara HR; de Silva MV. Ceylon Med J 50(4): p169-70, 2005.

Proliferative fasciitis. Report of a case with histopathologic and immunohistochemical studies. Kiryu H; Takeshita H; Hori Y. Am J Dermatopathol 19(4): p396-9, 1997.

Proliferative fasciitis of the forearm: case report with immunohistochemical, ultrastructural and DNA ploidy studies and a review of the literature. Sasano H; Yamaki H; Ohashi Y; Ohtsuki S; Nagura H. Pathol Int 48(6): p486-90, 1998.

Case 2

A 13 day-old baby girl had this nodule on her right leg.

Dx: Myofibroma/myopericytoma/infantile solitary myofibroma, leg

Claremont - Fibrous hemartoma of infancy

Woodland Hills (Kaiser Permanente) - Pseudoepitheliomatous hyperplasia

Santa Rosa (Santa Rosa Memorial Hospital) - Myofibroma (infantile myofibromatosis) (1); Myofibroma (1); Benign myofibroma (1)

Alabama, Birmingham - Plexiform fibrohistiocytic tumor

Alabama (Norwood Clinic) - Infantile desmoplastic fibroma

Arizona (Integrated Pathology) - Benign myofibroblastic lesion

Arkansas (The Laboratory of Pathology) - Myofibroma

Georgia, Atlanta - Myofibromatosis

Kansas (Peterson Laboratory Services) - Myofibroma

Massachusetts, Peabody - Angioleiomyoma, leg

Massachusetts (Rhode Island-Lifespan) - Infantile myofibroma

North Carolina (TriPath Oncology) - Infantile myofibroma

Ohio, Columbus - Soft tissue, right leg, benign fibrous proliferation

Texas, Victoria - Myofibroma

Washington, Bothell - Angiofibroma

Singapore (Freelance/Locum Practice) - Myofibroma

The Netherlands, Amstelveen - Benign myofibroblastic proliferation

Myopericytoma: a unifying term for a spectrum of tumours that show overlapping features with myofibroma. A review of 14 cases. Dray MS; McCarthy SW; Palmer AA; Bonar SF; Stalley PD; Marjoniemi V; Millar E; Scolyer RA. J Clin Pathol 59(1): p67-73, 2006.

Myopericytoma of skin and soft tissues: clinicopathologic and immunohistochemical study of 54 cases. Mentzel T; Dei Tos AP; Sapi Z; Kutzner H. Am J Surg Pathol 30(1): p104-13, 2006.

Myofibromatosis in adults, glomangiopericytoma, and myopericytoma: a spectrum of tumors showing perivascular myoid differentiation. Granter SR; Badizadegan K; Fletcher CD. Am J Surg Pathol 22(5): p513-25, 1998.

Case 3

This is a mass from the leg of a 59 y/o man.

Dx: Xanthoma of tendon sheath, leg

Claremont - Xanthoma

Woodland Hills (Kaiser Permanente) - Histiocytic/foreign body reaction, gouty tophus

Santa Rosa (Santa Rosa Memorial Hospital) - Xanthoma of tendon sheath (1); Giant cell tumor of tendon sheath (2)

Alabama, Birmingham - Fibrous xanthoma

Alabama (Norwood Clinic) - Xanthoma

Arizona (Integrated Pathology) - Xanthoma of tendon sheath

Arkansas (The Laboratory of Pathology) - Xanthoma

Georgia, Atlanta - Ischemic fasciitis

Kansas (Peterson Laboratory Services) - Tumerous xanthoma

Massachusetts, Peabody - Plexiform xanthoma

Massachusetts (Rhode Island-Lifespan) - Xanthoma of tendon sheath

North Carolina (TriPath Oncology) - Xanthoma
Ohio, Columbus - Soft tissue, leg, xanthoma
Texas, Victoria - Xanthoma
Washington, Bothell - Xanthoma of tendon sheath
Singapore (Freelance/Locum Practice) - Xanthoma
The Netherlands, Amstelveen - Benign proliferating fasciitis

Pathogenesis, detection and treatment of Achilles tendon xanthomas. Tsouli SG; Kiortsis DN; Argyropoulou MI; Mikhailidis DP; Elisaf MS. Eur J Clin Invest 35(4): p236-44, 2005.

Tendon xanthomas in familial hypercholesterolemia are associated with a differential inflammatory response of macrophages to oxidized LDL. Artieda M; Cenarro A; Junquera C; Lasierra P; Martinez-Lorenzo MJ; Pocovi M; Civeira F. FEBS Lett 579(20): p4503-12, 2005.

Rapid development of massive tendon xanthomas following highly active antiretroviral therapy. Leung N; Hegele RA; Lewis GF. Ann Intern Med 137(7): p624, 2002.

Case 4

This is an eyelid papule from a 43 y/o woman.

Dx: Xanthoma/Xanthelasma, eyelid

Claremont - Xanthoma
Woodland Hills (Kaiser Permanente) - Silicone injection with foamy histiocytic reaction
Santa Rosa (Santa Rosa Memorial Hospital) - Xanthelasma (3)
Alabama, Birmingham - Xanthelasma
Alabama (Norwood Clinic) - Xanthoma
Arizona (Integrated Pathology) - Xanthelasma, eyelid
Arkansas (The Laboratory of Pathology) - Xanthoma
Georgia, Atlanta - Lipogranuloma
Kansas (Peterson Laboratory Services) - Xanthelasma
Massachusetts, Peabody - Histiocytic reaction to foreign material
Massachusetts (Rhode Island-Lifespan) - Xanthelasma
North Carolina (TriPath Oncology) - Xanthelasma
Ohio, Columbus - Soft tissue, eyelid, histiocytoid infiltrate
Texas, Victoria - Xanthelasma
Washington, Bothell - Xanthoma
Singapore (Freelance/Locum Practice) - Xanthelasma

Xanthelasma palpebrarum: a review and current management principles. Rohrich RJ; Janis JE; Pownell PH. Plast Reconstr Surg 110(5): p1310-4, 2002.

Treatment of xanthelasma palpebrarum with argon laser photocoagulation. Argon laser and xanthelasma palpebrarum. Basar E; Oguz H; Ozdemir H; Ozkan S; Uslu H. Int Ophthalmol 25(1): p9-11, 2004.

Normolipemic papular xanthoma with xanthelasma. Singla A. Dermatol Online J;12(3): p19, 2006.

Bilateral xanthelasma palpebrarum on both eyelids in a 9-year-old boy. Youn SJ; Park HS; Kim WS; Lee ES; Yang JM. *Pediatr Dermatol* 23(1): p95-7, 2006.

Case 5

A 5 m/o girl had this nodule involving the cheek.

Dx: Juvenile xanthogranuloma (JXG), cheek

Woodland Hills (Kaiser Permanente) - Juvenile xanthogranuloma

Santa Rosa (Santa Rosa Memorial Hospital) - Juvenile xanthogranuloma (1); Fibroanthomatous tumor, benign (2)

Alabama, Birmingham - Juvenile xanthogranuloma

Alabama (Norwood Clinic) - Sebaceoma

Arizona (Integrated Pathology) - Juvenile xanthogranuloma

Arkansas (The Laboratory of Pathology) - Juvenile xanthogranuloma

Georgia, Atlanta - Juvenile xanthogranuloma

Kansas (Peterson Laboratory Services) - Juvenile xanthogranuloma

Massachusetts, Peabody - Juvenile xanthogranuloma

Massachusetts (Rhode Island-Lifespan) - Juvenile xanthogranuloma

North Carolina (TriPath Oncology) - Juvenile xanthogranuloma

Ohio, Columbus - Soft tissue, cheek, juvenile xanthogranuloma

Texas, Victoria - Juvenile xanthogranuloma

Washington, Bothell - Xanthogranuloma

Singapore (Freelance/Locum Practice) - Juvenile xanthogranuloma

The Netherlands, Amstelveen - Fibrous histiocytoma

Juvenile xanthogranuloma in childhood and adolescence: a clinicopathologic study of 129 patients from the kiel pediatric tumor registry. Janssen D; Harms D. *Comment In: Am J Surg Pathol*. 29(8):1117, 2005; author reply 1117-8.

Intramuscular juvenile xanthogranuloma in an adult: a case report with immunohistochemical study. Kuo FY; Eng HL; Chen SH; Huang HY. *Arch Pathol Lab Med* 129(2): pp31-4, 2005.

Mammary presentation of adult-type "juvenile" xanthogranuloma. Shin SJ; Scamman W; Gopalan A; Rosen PP. *Am J Surg Pathol* 29(6): p827-31, 2005.

Fetal and neonatal histiocytoses. Isaacs H. *Pediatr Blood Cancer* 47(2): p123-9, 2006.

Juvenile xanthogranuloma invading the muscles in the head and neck: clinicopathological case report. Margulis A; Melin-Aldana H; Bauer BS. *Ann Plast Surg* 50(4): p425-8, 2003.

Case 6

Adult male presented with this lower leg nodule.

Dx: Cutaneous fibrous histiocytoma/dermatofibroma, leg

Claremont - Fibrous histiocytoma

Woodland Hills (Kaiser Permanente) - Dermatofibroma

Santa Rosa (Santa Rosa Memorial Hospital) - Dermatofibroma (benign fibrous histiocytoma) (3)

Alabama, Birmingham - Fibrous histiocytoma
Alabama (Norwood Clinic) - Neurofibroma
Arizona (Integrated Pathology) - Dermatofibroma
Arkansas (The Laboratory of Pathology) - Dermatofibroma
Georgia, Atlanta - Fibrous histiocytoma (dermatofibroma)
Kansas (Peterson Laboratory Services) - Fibrous histiocytoma
Massachusetts, Peabody - Angiomatoid fibrous histiocytoma
Massachusetts (Rhode Island-Lifespan) - Dermatofibroma
North Carolina (TriPath Oncology) - Dermatofibroma
Ohio, Columbus - Skin, soft tissue, lower leg, dermatofibroma
Texas, Victoria - Dermatofibroma
Washington, Bothell - Dermatofibroma
Singapore (Freelance/Locum Practice) - Dermatofibroma
The Netherlands, Amstelveen - Dermatofibroma protuberans

The value of immunohistochemistry in atypical cutaneous fibrous histiocytoma. Wilk M; Zelger BG; Nilles M; Zelger B. Am J Dermatopathol 26(5): p367-71, 2004.

Clonal analysis of cutaneous fibrous histiocytoma (dermatofibroma). Hui P; Glusac EJ; Sinard JH; Perkins AS. J Cutan Pathol 29(7): p385-9, 2002.

Apocrine gland cyst with hemosiderotic dermatofibroma-like stroma: report of two cases. Gonzalez S. Am J Dermatopathol 27(1): p36-8, 2005.

Aneurysmal fibrous histiocytoma of the skin: a rare variant of dermatofibroma. Kandal S; Ozmen S; Demir HY; Tuncer S; Ekinici O; Atabay K. Plast Reconstr Surg 116(7): p2050-1, 2005.

Giant cell fibroblastoma in a child misdiagnosed as a dermatofibroma. Nguyen CM; Burch JM; Fitzpatrick JE; Peterson SL; Weston WL. Pediatr Dermatol 19(1): p28-32, 2002.

Case 7

A 27 y/o man presented with this right long-finger mass.

Dx: Giant cell tumor of tendon sheath, localized (GCTTS, nodular), finger

Claremont - Giant cell tumor
Woodland Hills (Kaiser Permanente) - Giant cell tumor of tendon sheath
Santa Rosa (Santa Rosa Memorial Hospital) - Giant cell tumor of tendon sheath (3)
Alabama, Birmingham - Pigmented villonodular synovitis
Alabama (Norwood Clinic) - Tendon sheath tumor
Arizona (Integrated Pathology) - Giant cell tumor of tendon sheath, nodular
Arkansas (The Laboratory of Pathology) - Giant cell tumor of tendon sheath
Georgia, Atlanta - Giant cell tumor of tendon sheath
Kansas (Peterson Laboratory Services) - Giant cell tumor of tendon sheath
Massachusetts, Peabody - Giant cell tumor, soft parts
Massachusetts (Rhode Island-Lifespan) - Tenosynovial giant cell tumor
North Carolina (TriPath Oncology) - Giant cell tumor of tendon sheath
Ohio, Columbus - Soft tissue, right long finger, giant cell tumor of tendon sheath
Texas, Victoria - GCTTS
Washington, Bothell - Giant cell tumor

Singapore (Freelance/Locum Practice) - Nodular tenosynovitis
The Netherlands, Amstelveen - Giant cell tumor of tendon sheath

Multiple separated giant cell tumors of the tendon sheath in a thumb. Park JW. J Am Acad Dermatol 54(3): p540-2, 2006.

Similarities between giant cell tumor of bone, giant cell tumor of tendon sheath, and pigmented villonodular synovitis concerning ultrastructural cytochemical features of multinucleated giant cells and mononuclear stromal cells. Anazawa U; Hanaoka H; Shiraishi T; Morioka H; Morii T; Toyama Y. Ultrastruct Pathol 30(3): p151-8, 2006.

Giant cell tumor of tendon sheath. Walsh EF; Mechrefe A; Akelman E; Schiller AL. Am J Orthop 34(3): p116-21, 2005.

Comparison of cytologic features of giant-cell tumor and giant-cell tumor of tendon sheath. Gupta K; Dey P; Goldsmith R; Vasishta RK. Diagn Cytopathol 30(1): p14-8, 2004.

High-pressure paint-gun injury of the finger simulating giant cell tumor of tendon sheath. Stefanato CM; Turner MS; Bhawan J. J Cutan Pathol 32(2): p179-83, 2005.

Case 8

A 35 y/o woman complained of this mass involving the right thigh.

Dx: Giant cell tumor, diffuse/Pigmented villonodular synovitis, thigh

Claremont - Aneurysmal fibrous histiocytoma
Woodland Hills (Kaiser Permanente) - Aneurysmal bone cyst
Santa Rosa (Santa Rosa Memorial Hospital) - Giant cell angiofibroma (1); Giant cell of soft tissue (2)
Alabama, Birmingham - Pigmented villonodular synovitis
Alabama (Norwood Clinic) - Angiosarcoma
Arizona (Integrated Pathology) - Diffuse giant cell tumor/pigmented villonodular synovitis
Arkansas (The Laboratory of Pathology) - Tenosynovial giant cell tumor
Georgia, Atlanta - Pigmented villonodular synovitis
Kansas (Peterson Laboratory Services) - Angiomatoid fibrous histiocytoma
Massachusetts, Peabody - Epithelioid angiosarcoma
Massachusetts (Rhode Island-Lifespan) - Diffuse pigmented villonodular synovitis
North Carolina (TriPath Oncology) - Pigmented villonodular synovitis
Ohio, Columbus - Soft tissue, right thigh, diffuse giant cell tumor
Texas, Victoria - Hemangioendothelioma (Kaposiform)
Washington, Bothell - Giant cell tumor
The Netherlands, Amstelveen - Pigmented villonodular synovitis

Diffuse type of giant-cell tumor of tendon sheath: an ultrastructural study of two cases with cytogenetic support. Ferrer J; Namiq A; Carda C; Lopez-Gines C; Tawfik O; Llombart-Bosch A. Ultrastruct Pathol 26(1): p15-21, 2002.

Diffuse-type giant cell tumor. Soma P; Loreto F; Galia A; Sirago P. Plast Reconstr Surg 117(5): p1664-5, 2006.

Diffuse-type tenosynovial giant cell tumor in association with neurofibromatosis type 1-Noonan syndrome: possibly more than a chance relationship. Posligua L; McDonald DJ; Dehner LP. Am J Surg Pathol 30(6): p734-8, 2006.

Recurrence potential of diffuse-type giant cell tumor in the foot: radiologic and pathologic features. Shimizu T; Uehara T; Akahane T; Isobe K; Arai H. Foot Ankle Int 26(6): p474-8, 2005.

Case 9

An 18 y/o woman had this 2 cm mass within left fifth metacarpal bone.

Dx: Giant cell tumor of bone, metacarpal bone

Claremont - Giant cell tumor of bone

Woodland Hills (Kaiser Permanente) - Giant cell tumor

Santa Rosa (Santa Rosa Memorial Hospital) - Giant cell tumor of bone (3)

Alabama, Birmingham - Giant cell tumor of bone

Alabama (Norwood Clinic) - Giant cell tumor of bone

Arizona (Integrated Pathology) - Giant cell tumor of bone

Arkansas (The Laboratory of Pathology) - Giant cell tumor

Georgia, Atlanta - Giant cell tumor

Kansas (Peterson Laboratory Services) - Giant cell tumor of bone

Massachusetts, Peabody - Giant cell reparative granuloma

Massachusetts (Rhode Island-Lifespan) - Giant cell tumor of bone

North Carolina (TriPath Oncology) - Giant cell tumor of bone

Ohio, Columbus - Bone, left fifth metacarpal, giant cell lesion

Texas, Victoria - GCT of bone

Washington, Bothell - Giant cell tumor of bone

Singapore (Freelance/Locum Practice) - Giant cell tumour

The Netherlands, Amstelveen - Hyperthyroidism

Giant cell tumor of tendon sheath simulating giant cell tumor of bone: report of a case. Erler K; Demiralp B; Ozdemir MT; Kaya A; Basbozkurt M. J Surg Orthop Adv 13(2): p124-7, 2004.

Multicentric giant cell tumor of bone. Clinicopathologic analysis of thirty cases. Hoch B; Inwards C; Sundaram M; Rosenberg AE. J Bone Joint Surg Am 88(9): p1998-2008, 2006.

Similarities between giant cell tumor of bone, giant cell tumor of tendon sheath, and pigmented villonodular synovitis concerning ultrastructural cytochemical features of multinucleated giant cells and mononuclear stromal cells. Anazawa U; Hanaoka H; Shiraishi T; Morioka H; Morii T; Toyama Y. Ultrastruct Pathol 30(3): p151-8, 2006.

Giant cell tumor of bone. Mendenhall WM; Zlotecki RA; Scarborough MT; Gibbs CP; Mendenhall NP. Am J Clin Oncol 29(1): p96-9, 2006.

Giant-cell tumour of bone. The long-term results of treatment by curettage and bone graft. Zhen W; Yaotian H; Songjian L; Ge L; Qingliang W. J Bone Joint Surg Br 86(2): p212-6, 2004.

Case 10

This is a scalp nodule from a male patient in a VA Hospital.

Dx: Atypical fibroxanthoma (AFX), scalp / superficial/(dermal) pleomorphic sarcoma

Claremont - AFX

Woodland Hills (Kaiser Permanente) - Atypical fibroxanthoma

Santa Rosa (Santa Rosa Memorial Hospital) - Atypical fibroxanthoma (1); Leiomyosarcoma of skin (1);
Leiomyosarcoma (1)

Alabama, Birmingham - Atypical fibroxanthoma/cutaneous malignant fibrous histiocytoma

Alabama (Norwood Clinic) - Malignant fibrous histiocytoma

Arizona (Integrated Pathology) - Atypical fibroxanthoma

Arkansas (The Laboratory of Pathology) - Atypical fibroxanthoma

Georgia, Atlanta - Atypical fibroxanthoma

Kansas (Peterson Laboratory Services) - Atypical fibroxanthoma

Massachusetts, Peabody - Superficial malignant fibrous histiocytoma

Massachusetts (Rhode Island-Lifespan) - Atypical fibroxanthoma

North Carolina (TriPath Oncology) - Dermal pleomorphic sarcoma

Ohio, Columbus - Skin, soft tissue, scalp, atypical fibroxanthoma

Texas, Victoria - AFX

Washington, Bothell - MFH/giant cell tumor

Singapore (Freelance/Locum Practice) - Atypical fibroxanthoma

The Netherlands, Amstelveen - Atypical fibroxanthoma

CD99 immunoreactivity in atypical fibroxanthoma: a common feature of diagnostic value. Monteagudo C; Calduch L; Navarro S; Joan-Figueroa A; Llombart-Bosch A. Am J Clin Pathol 117(1): p126-31, 2002.

Diagnosis and management of atypical fibroxanthoma. Farley R; Ratner D. O Skinmed 5(2): p83-6, 2006.

CD10, a useful marker for atypical fibroxanthomas. Weedon D; Williamson R; Mirza B. Am J Dermatopathol 27(2): p181, 2005.

The origin of osteoclast-like giant cells in atypical fibroxanthoma. Orlandi A; Bianchi L; Ferlosio A; Innocenzi I; Spagnoli LG. Histopathology 42(4): p407-10, 2003.

Atypical fibroxanthoma: review of the literature and summary of 13 patients treated with mohs micrographic surgery. Seavolt M; McCall M. Dermatol Surg 32(3): p435-41; discussion 439-41, 2006.