California Tumor Tissue Registry's
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"Soft Tissue Tumors: Fibroblastic/Myofibroblastic Part 1"
(Note: Part 2 will be published in April, 2008 study set)

Case 1
41 y/o female with a 4 day history of a painful lump in the right forearm. No history of trauma.

Dx: Nodular fasciitis

Plaza JA; Mayerson J; Wakely PE. Nodular fasciitis of the hand: a potential diagnostic pitfall in fine-needle aspiration cytopathology. Am J Clin Pathol 2005 Mar;123(3): p388-93

Kong CS; Cha I. Nodular fasciitis: diagnosis by fine needle aspiration biopsy. Acta Cytol 2004 Jul-Aug;48(4): p473-7

Velagaleti GV; Tapper JK; Panova NE; Miettinen M; Gatalica Z. Cytogenetic findings in a case of nodular fasciitis of subclavicular region. Cancer Genet Cytogenet 2003 Mar;141(2): p160-3

Donner LR; Silva T; Dobin SM. Clonal rearrangement of 15p11.2, 16p11.2, and 16p13.3 in a case of nodular fasciitis: additional evidence favoring nodular fasciitis as a benign neoplasm and not a reactive tumefaction. Cancer Genet Cytogenet 2002 Dec;139(2): p138-40

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

Case 2
40 y/o male with sarcoidosis developed a firm nodule on the left arm.

Dx: Nodular fasciitis

Ilan DI; Medvecky M; Raskin KB; Boppana S. Radial nerve entrapment secondary to a solitary nodular fasciitis mass in the forearm. Am J Orthop 2006 Feb;35(2): p85-7

Saqi A; Nassar A; Baloch Z. Nodular fasciitis. Diagn Cytopathol 2002 Jun;26(6): p407-8

Silva P; Bruce IA; Malik T; Homer J; Banerjee S. Nodular fasciitis of the head and neck. J Laryngol Otol 2005 Jan;119(1): p8-11

Koizumi H; Mikami M; Doi M; Tadokoro M. Clonality analysis of nodular fasciitis by HUMARA-methylation-specific PCR. Histopathology 2005 Sep;47(3): p320-1

Case 3
46 y/o male with a 3 cm mass in the left thigh. Duration unknown.

Dx: Proliferative fasciitis

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

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

Case 4
59 y/o woman with a mass in her shoulder. Contributor called a sarcoma.

Proliferative myositis

Kent MS; Flieder DB; Port JL; Altorki NK. Proliferative myositis: a rare pseudosarcoma of the chest wall. Ann Thorac Surg 2002 Apr;73(4): p1296-8

Jassar A; Kumar VK. Proliferative myositis--a case report. Indian J Pathol Microbiol 2005 Jan;48(1): p33-5

Pagonidis K; Raissaki M; Gourtsoyiannis N. Proliferative myositis: value of imaging. J Comput Assist Tomogr 2005 Jan-Feb;29(1): p108-11

Case 5
Bed-ridden elderly man developed this mass in the superficial tissues of the right hip overlying the femoral head.

Dx: Ischemic fasciitis

Ilaslan H; Joyce M; Bauer T; Sundaram M. Decubital ischemic fasciitis: clinical, pathologic, and MRI features of pseudosarcoma. AJR Am J Roentgenol 2006 Nov;187(5): p1338-41

Scanlon R; Kelehan P; Flannelly G; McDonald D; McCluggage WG. Ischemic fasciitis: an unusual vulvovaginal spindle cell lesion. Int J Gynecol Pathol 2004 Jan;23(1): p65-7

Washing D; Zaher A. Pathologic quiz case: a 76-year-old debilitated woman with a right thigh mass. Ischemic fasciitis (atypical decubital fibroplasia). Arch Pathol Lab Med 2004 Oct;128(10): pe139-40

Gusenoff JA; Redett RJ; Nahabedian MY. Outcomes for surgical coverage of pressure sores in nonambulatory, nonparaplegic, elderly patients. Ann Plast Surg 2002 Jun;48(6): p633-40

Bryant AE; Bayer CR; Chen RY; Guth PH; Wallace RJ; Stevens DL. Vascular dysfunction and ischemic destruction of tissue in Streptococcus pyogenes

infection: the role of streptolysin O-induced platelet/neutrophil complexes. J Infect Dis 2005 Sep 15;192(6): p1014-22

Case 6

33 y/o male with a 3.5 cm mass anterior to the left humerous.

Dx: Myositis ossificans

de Silva MV; Reid R. Myositis ossificans and fibroosseous pseudotumor of digits: a clinicopathological review of 64 cases with emphasis on diagnostic pitfalls. Int J Surg Pathol 2003 Jul;11(3): p187-95

Loging JA; Rudisill LE; Tanner SL; Moon BS. Pseudomalignant myositis ossificans of the proximal phalanx: a report of two cases. J Surg Orthop Adv 2006 Summer;15(2): p105-10

Hendifar AE; Johnson D; Arkfeld DG. Myositis ossificans: a case report. Arthritis Rheum 2005 Oct 15;53(5): p793-5

Leithner A; Weinhaeusel A; Zeitlhofer P; Koch H; Radl R; Windhager R; Beham A; Haas OA. Evidence of a polyclonal nature of myositis ossificans. Virchows Arch 2005 Apr;446(4): p438-41

Case 7

Skin from the periauricular region of a 74 y/o woman.

Dx: Keloid

Stashower ME . Successful treatment of earlobe keloids with imiquimod after tangential shave excision. Dermatol Surg 2006 Mar;32(3): p380-6

Al-Attar A; Mess S; Thomassen JM; Kauffman CL; Davison SP. Keloid pathogenesis and treatment. Plast Reconstr Surg 2006 Jan;117(1): p286-300

Atiyeh BS; Costagliola M; Hayek SN. Keloid or hypertrophic scar: the controversy: review of the literature. Ann Plast Surg 2005 Jun;54(6): p676-80

Lee JY; Yang CC; Chao SC; Wong TW. Histopathological differential diagnosis of keloid and hypertrophic scar. Am J Dermatopathol 2004 Oct;26(5): p379-84

Kelly AP. Medical and surgical therapies for keloids. Dermatol Ther 2004;17(2): p212-8

Case 8

Debridement tissues from the abdominal wall of a 34 y/o male.

Dx: Panniculitis ossificans

Campanelli A; Kaya G; Masouye I; Borradori L. Calcifying panniculitis following subcutaneous injections of nadroparin-calcium in a patient with osteomalacia. Br J Dermatol 2005 Sep;153(3): p657-60

Soares Almeida LM; Requena L; Kutzner H; Angulo J; de Sa J; Pignatelli J. Localized panniculitis secondary to subcutaneous glatiramer acetate injections for the treatment of multiple sclerosis: a clinicopathologic and immunohistochemical study. J Am Acad Dermatol 2006 Dec;55(6): p968-74

Assouline S; Laneuville P; Gambacorti-Passerini C. Panniculitis during dasatinib therapy for imatinib-resistant chronic myelogenous leukemia. N Engl J Med 2006 Jun 15;354(24): p2623-4

Case 9

33 y/o male with 1 yr history of a 1.5 cm mass on the volar surface of the right index finger. Surgery revealed the mass to lie adjacent to nerve. It was well encapsulated. Contributor called it fibromatosis.

Dx: Fibroma of tendon sheath

Takakubo Y; Fukushima S; Asano T; Yamakawa M. CASE REPORTS: intraarticular fibroma of the tendon sheath in the knee. Clin Orthop Relat Res 2005 Oct;439:280-5

Garrido A; Lam WL; Stanley PR. Fibroma of a tendon sheath at the wrist: a rare cause of compression of the median nerve. Scand J Plast Reconstr Surg Hand Surg 2004;38(5): p314-6

Fox MG; Kransdorf MJ; Bancroft LW; Peterson JJ; Flemming DJ. MR imaging of fibroma of the tendon sheath. AJR Am J Roentgenol 2003 May;180(5): p1449-53

High WA; Stewart D; Essary LR; Kageyama NP; Hoang MP; Cockerell CJ. Sclerotic fibroma-like change in various neoplastic and inflammatory skin lesions: is sclerotic fibroma a distinct entity? J Cutan Pathol 2004 May;31(5): p373-8

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

Case 10

61 y/o white male with a 7 cm mass on the upper back, deep to the serratus muscle. Grossly it was well encapsulated. Contributor suggested lipoma vs. liposarcoma.

Dx: Elastofibroma

Schafmayer C; Kahlke V; Leuschner I; Pai M; Tepel J. Elastofibroma dorsi as differential diagnosis in tumors of the thoracic wall. Ann Thorac Surg 2006 Oct;82(4): p1501-4

Erkilic S; Kocer NE; Sivrikoz C. Subscapular elastofibroma intermingled with adipose tissue: variant type of elastofibroma or lipoma? Ann Diagn Pathol 2005 Dec;9(6): p327-9

Cota C; Solivetti F; Kovacs D; Cristiani R; Amantea A. Elastofibroma dorsi: histologic and echographic considerations. Int J Dermatol 2006 Sep;45(9): p1100-3

Hobbs CM; Burch DM; Sobin LH. Elastosis and elastofibromatous change in the gastrointestinal tract: a clinicopathologic study of 13 cases and a review of the literature. Am J Clin Pathol 2004 Aug;122(2): p232-7

Domanski HA; Carlen B; Sloth M; Rydholm A. Elastofibroma dorsi has distinct cytomorphologic features, making diagnostic surgical biopsy unnecessary: cytomorphologic study with clinical, radiologic, and electron microscopic correlations. Diagn Cytopathol 2003 Dec;29(6): p327-33

Case 11 (Bonus)

10 y/o male with a 3 cm mass in the nasopharyngeal region. The cut surface was described as "solid and gray-white."

Dx: Nasopharyngeal angiofibroma

Mann WJ; Jecker P; Amedee RG. Juvenile angiofibromas: changing surgical concept over the last 20 years. Laryngoscope 2004 Feb;114(2): p291-3

Enepekides DJ. Recent advances in the treatment of juvenile angiofibroma. Curr Opin Otolaryngol Head Neck Surg 2004 Dec;12(6): p495-9

Sennes LU; Fortes FS; Butugan O; Saldiva PH; Bernardi FC. Tissue maturation correlating to clinical manifestations in juvenile angiofibroma. Ann Otol Rhinol Laryngol 2005 Sep;114(9): p705-8

Marshall AH; Bradley PJ. Management dilemmas in the treatment and follow-up of advanced juvenile nasopharyngeal angiofibroma. ORL J Otorhinolaryngol Relat Spec 2006;68(5): p273-8

Lee JT; Chen P; Safa A; Juillard G; Calcaterra TC. The role of radiation in the treatment of advanced juvenile angiofibroma. Laryngoscope 2002 Jul;112(7 Pt 1): p1213-20