

California Tumor Tissue Registry's
Subscription "C" – Vol. 5(5)
February, 2012

"Fibroblastic & Myofibroblastic Tumors"

Case 1:

A 49-year-old male had a 2.5 cm mass excised from his left forearm. Serial sectioning revealed a well-circumscribed nodule underlying the skin with a homogenous yellow-tan cut surface.

Dx:

Nodular fasciitis, arm

Santa Rosa (Santa Rosa Memorial Hospital) - Nodular fasciitis (3)
Woodland Hills (Kaiser Permanente) - Nodular fasciitis
Alabama, Birmingham - Nodular fasciitis
Alabama (Norwood Clinic) - Schwannoma
Arkansas The Laboratory of Pathology) - Nodular fasciitis
Georgia, Atlanta - Nodular fasciitis
Idaho, Boise - Nodular fasciitis, arm
Illinois, Oak Brook - Nodular fasciitis
Kansas (Coffeyville Regional Medical Center) - Cutaneous myxoma
Kansas (Peterson Laboratory Services) - Nodular fasciitis
Maryland, Baltimore - Nodular fasciitis
Michigan (Oakwood Hospital) - Nodular fasciitis
New Mexico, Albuquerque - Dermatofibrosarcoma protuberans
New York, Rye Brook - Nodular fasciitis
Pennsylvania (Conemaugh Memorial Medical Center) - Nodular fasciitis, forearm
Canada (Pasqua Hospital) - Nodular fasciitis
Hong Kong (Hong Kong Baptist Hospital) - Nodular fasciitis
India, Kochi - Nodular fasciitis of arm
The Netherlands, Amstelveen - Nodular fasciitis

Refs:

Myofibroblastic sarcoma vs nodular fasciitis: a comparative study of chromosomal imbalances.

Am J Clin Pathol 2009 May;131(5): p701-9

Meng GZ; Zhang HY, et al.

A gene expression signature that distinguishes desmoid tumours from nodular fasciitis.

J Pathol 2006 Mar;208(4): p543-53

Bacac M; Migliavacca E, et al.

Pseudosarcomas of soft tissue.

Arch Pathol Lab Med 2008 Apr;132(4): p579-86

Rosenberg AE

Intradermal nodular fasciitis: a rare lesion analyzed in a series of 24 cases.

Am J Surg Pathol 2010 Sep;34(9): p1377-81

de Feraudy S; Fletcher CD

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

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

Case 2

A 77 y/o female had a four month history of a slowly enlarging tender right hip mass at the site of a hip replacement 12 yrs ago. The patient was debilitated and bed-ridden.

Dx:

Ischemic fasciitis (atypical decubital fibroplasia), region of hip

Santa Rosa (Santa Rosa Memorial Hospital) - Ischemic fasciitis (3)
Woodland Hills (Kaiser Permanente) - Ischemic fasciitis
Alabama, Birmingham - Granulation tissue with associated fibrosis
Alabama (Norwood Clinic) - Myxoma
Arkansas The Laboratory of Pathology - Ischemic fasciitis
Georgia, Atlanta - Ischemic fasciitis
Idaho, Boise - Ischemic fasciitis
Illinois, Oak Brook - Ischemic fasciitis
Kansas (Coffeyville Regional Medical Center) - Benign fibromyxoma
Kansas (Peterson Laboratory Services) - Ischemic fasciitis
Maryland, Baltimore - Ischemic fasciitis
Michigan (Oakwood Hospital) - Ischemic fasciitis
New Mexico, Albuquerque - Fat necrosis with reactive fibrovascular proliferation
New York, Rye Brook - Ischemic fasciitis
Pennsylvania (Conemaugh Memorial Medical Center) - Ischemic fasciitis, hip
Canada (Pasqua Hospital) - Ischemic fasciitis
Hong Kong (Hong Kong Baptist Hospital) - Atypical decubital fibroplasia
India, Kochi - Ischemic fasciitis of hip region
The Netherlands, Amstelveen - Ischemic fasciitis

Refs:

Decubitus ulcers: a review of the literature.
Int J Dermatol 2005 Oct;44(10): p805-10
Bansal C; Scott R; Stewart D; Cockerell CJ

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

Atypical decubital fibroplasia with unusual histology.
APMIS 2001 Sep;109(9): p631-5
Fukunaga M

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): p139-40
Washing D; Zaher A

Case 3

An 81 y/o man with painful draining of a recurrent cyst in the right gluteal fold was biopsied. Purulent fluid and firm tissue were removed.

Dx:

Elastofibroma, gluteal fold

Santa Rosa (Santa Rosa Memorial Hospital) - Elastofibroma (3)
Woodland Hills (Kaiser Permanente) - Elastofibroma
Alabama, Birmingham - Elastofibroma
Alabama (Norwood Clinic) - Elastofibroma
Arkansas The Laboratory of Pathology - Elastofibroma
Georgia, Atlanta - Elastofibroma
Idaho, Boise - Elastofibroma
Illinois, Oak Brook - Elastofibroma
Kansas (Coffeyville Regional Medical Center) - Benign fibromuscular tumor
Kansas (Peterson Laboratory Services) - Elastofibroma
Maryland, Baltimore - Elastofibroma
Michigan (Oakwood Hospital) - Elastofibroma
New Mexico, Albuguerque - Fibrous and calcification
New York, Rye Brook - Elastofibroma
Pennsylvania (Conemaugh Memorial Medical Center) - Elastofibroma
Canada (Pasqua Hospital) - Elastofibroma
Hong Kong (Hong Kong Baptist Hospital) - Elastofibroma-like changes
India, Kochi - Elastofibroma of right gluteal fold
The Netherlands, Amstelveen - Elastofibroma

Refs:

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: a histochemical, immunohistochemical, and ultrastructural study of two patients.
Med Mol Morphol 2008 Sep;41(3): p179-82
Kuroda N; Hamaguchi N, et al.

High-resolution genome-wide analysis of chromosomal alterations in elastofibroma.
Virchows Arch 2010 Jun;456(6): p681-7
Hernandez JL; Rodriguez-Parets JO, et al.

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
Kayaselcuk F; Demirhan B, et al.

Clonal chromosome aberrations secondary to chromosome instability in an elastofibroma.

Cancer Genet Cytogenet 2001 Jul 1;128(1): p46-7

Batstone P; Forsyth L; Goodlad J

Case 4

A two cm mass in the upper neck adjacent to the parotid gland was found in a 30 y/o man. This specimen is from a superficial parotidectomy. It clinically was thought to be a salivary gland tumor. Positive staining for CD34 and weak staining for CD99 and BCL2.

Dx:

Gardner Fibroma (cannot totally exclude SFT), region of thyroid

Director's note: SFT (solitary fibrous tumor) is prominently in the differential, however this tumor lacks the "patternless-pattern" and recent literature has found that Gardner fibroma (GF) may be CD 34 positive. When associated with Gardner's syndrome (intestinal polyposis, soft tissues tumors including fibromatosis, etc.) GF tend to reside in non-cervical sites. They are also associated with diabetes. This case was also seen by an expert in salivary neoplasms who concurred with the CTTR's impression.

Santa Rosa (Santa Rosa Memorial Hospital) - Solitary fibrous tumor (3)

Woodland Hills (Kaiser Permanente) - Solitary fibrous tumor

Alabama, Birmingham - Solitary fibrous tumor

Alabama (Norwood Clinic) - Solitary fibrous tumor

Arkansas The Laboratory of Pathology) - Solitary fibrous tumor

Georgia, Atlanta - Solitary fibrous tumor

Idaho, Boise - Gardner fibroma

Illinois, Oak Brook - Solitary fibrous tumor

Kansas (Coffeyville Regional Medical Center) - Nuchal fibroma

Kansas (Peterson Laboratory Services) - Solitary fibrous tumor

Maryland, Baltimore - Solitary fibrous tumor

Michigan (Oakwood Hospital) - Solitary fibrous tumor

New Mexico, Albuguerque - Solitary fibrous tumor

New York, Rye Brook - Fibroma

Pennsylvania (Conemaugh Memorial Medical Center) - Solitary fibrous tumor, neck

Canada (Pasqua Hospital) - Nuchal type fibroma

Hong Kong (Hong Kong Baptist Hospital) - Mammary type myofibroblastoma

India, Kochi - Solitary fibrous tumor

The Netherlands, Amstelveen - Fibroma

Refs:

Gardner fibroma: a clinicopathologic and immunohistochemical analysis of 45 patients with 57 fibromas.

Am J Surg Pathol 2007 Mar;31(3): p410-6

Coffin CM; Hornick JL; Zhou H; Fletcher CD

Gardner's syndrome associated fibromas.

Pathol Int 2004 Jul;54(7): p523-6

Michal M; Boudova L; Mukensnabl P

Gardner-associated fibromas (GAF) in young patients: a distinct fibrous lesion that identifies unsuspected Gardner syndrome and risk for fibromatosis.

Am J Surg Pathol 2001 May;25(5): p645-51
Wehrli BM; Weiss SW; Yandow S; Coffin CM

Gardner syndrome.

Am J Surg Pathol 2001 May;25(5): p694-6
Wehrli BM; Weiss SW; Coffin CM

Non-nuchal-type fibroma associated with Gardner's syndrome. A hitherto-unreported mesenchymal tumor different from fibromatosis and nuchal-type fibroma.

Pathol Res Pract 2000;196(12): p857-60
Michal M

Case 5

This is an excisional bx of a mass from the right knee area of a 39 y/o male.

Dx:

Fibroma of tendon sheath, knee

Santa Rosa (Santa Rosa Memorial Hospital) - Fibroma (3)
Woodland Hills (Kaiser Permanente) - Desmoplastic fibroblastoma
Alabama, Birmingham - Fibroma tendon sheath
Alabama (Norwood Clinic) - Benign fibroma
Arkansas The Laboratory of Pathology) - Fibroma of tendon sheath
Georgia, Atlanta - Fibroma of tendon sheath
Idaho, Boise - Fibroma of tendon sheath
Illinois, Oak Brook - Chondrofibroma
Kansas (Coffeyville Regional Medical Center) - Synovial tumor
Kansas (Peterson Laboratory Services) - Myxoid fibroma
Maryland, Baltimore - Fibroma of tendon sheath
Michigan (Oakwood Hospital) - Juxta-articular myxoma
New Mexico, Albuquerque - Ossifying fibromyxoid tumor
New York, Rye Brook - Fibroma
Pennsylvania (Conemaugh Memorial Medical Center) - Desmoid fibromatosis, mesentery
Canada (Pasqua Hospital) - Collagenous fibroma
Hong Kong (Hong Kong Baptist Hospital) - Desmoplastic fibroblastoma
India, Kochi - Fibroma of tendon sheath
The Netherlands, Amstelveen - Fibroma of tendon sheath

Refs:

Fibroma of tendon sheath in the knee: a report of three cases and literature review.

Knee 2010 Aug;17(4): p306-9
Moretti VM; de la Cruz M; Lackman RD; Fox EJ

Intraarticular fibroma of the tendon sheath in the knee.

Clin Orthop Relat Res 2005 Oct;439:280-5
Takakubo Y; Fukushima S, et al.

Intraarticular fibroma of the tendon sheath in the wrist.
J Hand Surg Eur Vol 2007 Dec;32(6): p723
Degreef I; Sciote R; De Smet L

Fibroma of tendon sheath located within the ankle joint capsule.
J Orthop Traumatol 2009 Sep;10(3): p147-50
Ciatti R; Mariani PP

Tendon disorders of the hand and wrist.
J Hand Surg Am 2010 May;35(5): p846-53; quiz 853
McAuliffe JA

Case 6

A 34 y/o woman presented with a two day history of frequent watery diarrhea, nausea and vomiting with epigastric pain. A pelvic ultrasound showed a "large mass located to the right of the uterus. At surgery, a 9.5 cm tumor was found in the mesentery at the ileocecal region.

Dx:

Mesenteric fibromatosis, para-uterine

Santa Rosa (Santa Rosa Memorial Hospital) - Mesenteric fibromatosis (2); Desmoid-type fibromatosis (1)
Woodland Hills (Kaiser Permanente) - Mesenteric fibromatosis
Alabama, Birmingham - Fibromatosis
Alabama (Norwood Clinic) - Desmoid
Arkansas The Laboratory of Pathology - Intra-abdominal fibromatosis
Georgia, Atlanta - Fibromatosis
Idaho, Boise - Fibromatosis
Illinois, Oak Brook - Fibromatosis
Kansas (Coffeyville Regional Medical Center) - Rhabdomyoma
Kansas (Peterson Laboratory Services) - Fibromatosis
Maryland, Baltimore - Desmoid-type fibromatosis
Michigan (Oakwood Hospital) - Fibromatosis
New Mexico, Albuquerque - Myxofibrosarcoma
New York, Rye Brook - Mesenteric fibromatosis
Pennsylvania (Conemaugh Memorial Medical Center) - Fibromatosis, elbow
Canada (Pasqua Hospital) - Fibromatosis
Hong Kong (Hong Kong Baptist Hospital) - Mesenteric fibromatosis
India, Kochi - Mesenteric fibromatosis
The Netherlands, Amstelveen - Fibromatosis

Refs:

Mesenteric fibromatosis masquerading as an ovarian neoplasm twenty years after Chernobyl radiation exposure.
Gynecol Oncol 2006 Sep;102(3): p587-9
Schlager A; Altchek A; Kalir T; Deligdisch L; Weber KJ

Mesenteric fibromatosis in a young girl without familial adenomatous polyposis.
J Pediatr Surg 2005 May;40(5): p633-6
Huerta S; Heubner DR; Marcus DR

Mesenteric fibromatosis mimicking a gastrointestinal stromal tumor.
Conn Med 2010 Apr;74(4): p197-200
McCormack D; Kesha K; Tittle SL; Saldinger PF

Mesenteric fibromatosis with involvement of the gastrointestinal tract. A GIST simulator: a study of 25 cases.
Am J Clin Pathol 2004 Jan;121(1): p93-8
Rodriguez JA; Guarda LA; Rosai J

Mesenteric fibromatosis: a report of three cases and literature review.
Indian J Cancer 2001 Jun-Dec;38(2-4): p133-6
Kabra V; Chaturvedi P; Pathak KA; de Souza LJ

Case 7

This is an elbow mass from a 13 y/o boy. The surgeon indicated that it was adherent to muscle. 2.2 cm in greatest diameter.

Dx:

Hyaline fibromatosis, elbow

Santa Rosa (Santa Rosa Memorial Hospital) - Nodular fasciitis (2); Fibroma of tendon sheath (1)
Woodland Hills (Kaiser Permanente) - Proliferative myositis
Alabama, Birmingham - Juvenile fibromatosis
Alabama (Norwood Clinic) - Extra abdominal desmoids tumor
Arkansas The Laboratory of Pathology) - Hyaline fibromatosis
Georgia, Atlanta - Proliferative fasciitis
Idaho, Boise - Hyaline fibromatosis
Illinois, Oak Brook - Hyaline fibromatosis
Kansas (Coffeyville Regional Medical Center) - Cellular fibroma
Kansas (Peterson Laboratory Services) - Myofibroma
Maryland, Baltimore - Fibroma vs. hyaline fibromatosis
Michigan (Oakwood Hospital) - Nodular fasciitis
New Mexico, Albuguerque - Nodular fasciitis
New York, Rye Brook - Hyaline fibromatosis
Pennsylvania (Conemaugh Memorial Medical Center) - Fibromatosis, elbow
Canada (Pasqua Hospital) - Nodular fasciitis
Hong Kong (Hong Kong Baptist Hospital) - Fibromatosis
India, Kochi - Hyaline fibromatosis

Refs:

Juvenile hyaline fibromatosis and infantile systemic hyalinosis: a unifying term and a proposed grading system.
J Am Acad Dermatol 2009 Oct;61(4): p695-700
Nofal A; Sanad M, et al.

Juvenile hyaline fibromatosis and infantile systemic hyalinosis overlap associated with a novel mutation in capillary morphogenesis protein-2 gene.
Am J Dermatopathol 2007 Feb;29(1): p99-103
Antaya RJ; Cajaiba MM, et al.

Juvenile hyaline fibromatosis: a case report.
Indian J Pathol Microbiol 2006 Oct;49(4): p573-5
Swaroop DS; Vydehi BV; Bai SJ

Juvenile hyaline fibromatosis: report of a case and comparison with
infantile systemic hyalinosis.
J Oral Maxillofac Surg 2005 Feb;63(2): p271-4
Lim AA; Kozakewich HP; Feingold M; Padwa BL

Calcospherules associated with juvenile hyaline fibromatosis.
Am J Dermatopathol 2003 Feb;25(1): p53-6
Ko CJ; Barr RJ

The gene for juvenile hyaline fibromatosis maps to chromosome 4q21.
Am J Hum Genet 2002 Oct;71(4): p975-80
Rahman N; Dunstan M, et al.

Case 8

A 1 m/o girl with a congenital tumor of the right thigh developed this nodule in the left groin/thigh. The sampled nodule was from the thigh.

Dx:

Myofibroma (Myopericytoma), thigh

Santa Rosa (Santa Rosa Memorial Hospital) - Congenital fibrohistiocytic tumor, NOS (2);
Myofibromatosis (1)

Woodland Hills (Kaiser Permanente) - Infantile fibrosarcoma

Alabama, Birmingham - Infantile fibromatosis

Alabama (Norwood Clinic) - Infantile fibromatosis

Arkansas The Laboratory of Pathology) - Myofibroma

Georgia, Atlanta - Infantile myofibromatosis

Idaho, Boise - Myofibroma

Illinois, Oak Brook - Fibromatosis

Kansas (Coffeyville Regional Medical Center) - Low grade sarcoma

Kansas (Peterson Laboratory Services) - Juvenile hyaline fibromatosis

Maryland, Baltimore - Myofibroma/myofibromatosis

Michigan (Oakwood Hospital) - Infantile hemangiopericytoma

New Mexico, Albuquerque - Infantile myofibromatosis

New York, Rye Brook - Small round cell tumor

Pennsylvania (Conemaugh Memorial Medical Center) - Infantile fibrosarcoma, thigh

Canada (Pasqua Hospital) - Myofibromatosis

Hong Kong (Hong Kong Baptist Hospital) - Myofibroma/myofibromatosis

India, Kochi - Myofibroma

Netherlands, Amstelveen - Reactive

Refs:

[Congenital myofibroma. A true hemangiopericytoma. A neonatal case
with immunohistochemical and ultrastructural studies]

Invest Clin 2007 Dec;48(4): p515-27

Trejo-Scorza E; Vina-Ramirez MI, et al.

Myopericytoma: a unifying term for a spectrum of tumours that show overlapping features with myofibroma. A review of 14 cases.

J Clin Pathol 2006 Jan;59(1): p67-73

Dray MS; McCarthy SW, et al.

Soft tissue solitary adult myofibroma in an intervertebral foramen.

ANZ J Surg 2004 Nov;74(11): p1028-30

Swierkowski P; Seex K

Solitary central myofibroma presenting in the gnathic region.

Ann Diagn Pathol 2004 Oct;8(5): p284-9

Sedghizadeh PP; Allen CM; Kalmar JR; Miloro M; Suster S

Congenital myofibroma of the skin mimicking a piloleiomyoma.

J Cutan Pathol 2010 Jun;37(6): p678-82

Inoue T; Sada A, et al.

Infantile myofibroma or lymphatic malformation: differential diagnosis of neonatal cystic cervicofacial lesions.

J Craniofac Surg 2010 Mar;21(2): p422-6

Merrell SC; Rahbar R, et al.

Case 9

A 51 y/o woman noticed painless swelling of the left upper arm for several weeks, associated with edema of the forearm. There was no history of trauma. The mass was excised, consisting of two segments of muscle, partially obliterated by slightly opaque gray-white tissue.

Dx:

Proliferative myositis, upper arm

Santa Rosa (Santa Rosa Memorial Hospital) - Proliferative myositis (3)

Woodland Hills (Kaiser Permanente) - Proliferative myositis

Alabama, Birmingham - Fibromatosis

Alabama (Norwood Clinic) - Fibrosarcoma

Arkansas The Laboratory of Pathology) - Proliferative fasciitis

Georgia, Atlanta - Proliferative myositis

Idaho, Boise - Proliferative myositis

Illinois, Oak Brook - Proliferative myositis

Kansas (Coffeyville Regional Medical Center) - Intramuscular fibrosarcoma

Kansas (Peterson Laboratory Services) - Proliferating myositis

Maryland, Baltimore - Proliferative myositis

Michigan (Oakwood Hospital) - Proliferative myositis

New Mexico, Albuguerque - Proliferative myositis

New York, Rye Brook - Proliferative fasciitis

Pennsylvania (Conemaugh Memorial Medical Center) - Proliferative myositis, arm

Canada (Pasqua Hospital) - Proliferative myositis

Hong Kong (Hong Kong Baptist Hospital) - Proliferative myositis

India, Kochi - Proliferative myositis

Netherlands, Amstelveen - Proliferating fasciitis

Refs:

Proliferating myositis and proliferating fasciitis: benign lesions often misdiagnosed as sarcomas.

Ceylon Med J 2005 Dec;50(4): p169-70

Jayawickrama MM; Jayasekara HR; de Silva MV

Pseudosarcomatous fasciitis and myositis: diagnosis by fine-needle aspiration cytology.

Am J Clin Pathol 2009 Dec;132(6): p857-65

Wong NL; Di F

Fine needle aspiration cytology of pseudosarcomatous reactive proliferative lesions of soft tissue.

Acta Cytol 2002 Nov-Dec;46(6): p1049-55

Wong NL

A case of proliferative fasciitis in the abdominal region.

J Dermatol 2001 Dec;28(12): p753-8

Honda Y; Oh-i T; Koga M; Serizawa H

Cytogenetic findings in a case of nodular fasciitis of subclavicular region.

Cancer Genet Cytogenet 2003 Mar;141(2): p160-3

Velagaleti GV; Tapper JK, et al.

Case 10 (case published as CTR's COTM March, 2009, vol 11(6), www.ctr.org)

A 28 year-old woman presented with a palpable mass in the deep tissues of the left thigh.

A 4.6 x 3.5 x 2.8 cm ovoid rubbery soft tissue mass was removed. Its perimeter was well-circumscribed and was partially covered by gray-brown fragments of skeletal muscle. The cut surface was glistening and pink-white. Rare microcysts were seen.

Dx:

Low-Grade Fibromyxoid Sarcoma With Hyalinizing Giant Rosettes

Santa Rosa (Santa Rosa Memorial Hospital) - Low grade sarcoma, NOS (2); Low grade fibromyxoid sarcoma (1)

Woodland Hills (Kaiser Permanente) - Low grade fibromyxoid sarcoma

Alabama, Birmingham - Fibromyxoid tumor

Alabama (Norwood Clinic) - DFSP (dermatofibroma sarcoma protuberans)

Arkansas The Laboratory of Pathology) - Low grade fibromyxoid sarcoma

Georgia, Atlanta - Low grade fibromyxoid sarcoma with giant hyaline rosettes

Idaho, Boise - Low grade fibromyxoid sarcoma

Illinois, Oak Brook - Low grade sarcoma

Kansas (Coffeyville Regional Medical Center) - Low grade fibrous sarcoma

Kansas (Peterson Laboratory Services) - Low grade fibromyxoid sarcoma

Maryland, Baltimore - Low grade fibromyxoid sarcoma with hyalinizing giant

Michigan (Oakwood Hospital) - Hyalinizing spindle cell tumor with giant rosettes

New Mexico, Albuquerque - Low grade fibromyxoid sarcoma

New York, Rye Brook - Low grade fibromyxoid sarcoma

Pennsylvania (Conemaugh Memorial Medical Center) - Hyalinizing spindle cell tumor with giant rosette, thigh

Canada (Pasqua Hospital) - Low grade fibromyxosarcoma

Hong Kong (Hong Kong Baptist Hospital) - Low grade fibromyxoid sarcoma with hyalinizing giant rosettes

India, Kochi - Low grade fibromyxoid sarcoma

The Netherlands, Amstelveen - Fibromyxoid sarcoma and giant rosettes

Refs:

Evans HL. Low-grade fibromyxomas. A report of two metastasizing neoplasms having a deceptively benign appearance. *Am J Clin Pathol* 88:615, 1987

Evans HL. Low-grade fibromyxoid sarcoma. A report of 12 cases: *Am J Surg Pathol*; 17: 595-600, 1993.

Lane KL, Shannon RI, Weiss SW. Hyalinizing spindle cell tumor with giant rosettes: a distinctive tumor closely resembling low-grade fibromyxoid sarcoma. *Am J Surg Pathol* 21:1481, 1997.

Folpe AL, Lane KL, Paull G, Weiss SW, et al. Low grade fibromyxoid sarcoma and hyalinizing spindle cell tumor with giant rosettes: a clinicopathologic study of 73 cases supporting their identity and assessing the impact of high grade areas. *Am J Surg Pathol* 24(10):1353-1360, 2000.

