

California Tumor Tissue Registry's
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"Smooth Muscle Tumors and Disorders"

Case 1 (2 slides):

This tissue is from an 18 y/o woman with a left kidney mass.

Dx:

Angiomyolipoma, kidney

Santa Barbara (Miramonte Laboratories) - Angiomyolipoma
Santa Rosa (Santa Rosa Memorial Hospital) - Angiomyolipoma (4)
Woodland Hills (Kaiser Permanente) - Angiomyolipoma
Arkansas (The Lab of Path, P.A.) - Angiomyolipoma (2)
Alabama, Birmingham - Angiomyolipoma
Alabama (Norwood Clinic) - Angiomyolipoma
Georgia, Atlanta - Angiomyolipoma
Idaho, Boise - Angiomyolipoma
Illinois, Oak Brook - Angiomyolipoma
Kansas (Coffeyville Regional Medical Center) - Angiomyolipoma
Kansas (Peterson Laboratory Services) - Angiomyolipoma (2)
Maryland, Baltimore - Angiomyolipoma
Michigan (Oakwood Hospital) - Angiomyolipoma
New Mexico, Albuquerque - Angiomyolipoma
New York, Rye Brook - Angiomyolipoma of kidney
Ohio, Columbus - Kidney, left angiomyolipoma
Pennsylvania (Conemaugh Memorial Medical Center) - Angiomyolipoma
Texas, Victoria - Angiomyolipoma
Canada Sherbrooke - Angiomyolipoma
Hong Kong (Hong Kong Baptist Hospital) - Renal angiomyolipoma
India, Kochi - Angiomyolipoma
The Netherlands, Amstelveen - Angiomyolipoma

Refs:

Renal epithelioid angiomyolipoma with atypia: a series of 40 cases with emphasis on clinicopathologic prognostic indicators of malignancy.

Am J Surg Pathol 2010 May;34(5): p715-22

Brimo F; Robinson B; Guo C; Zhou M; Latour M; Epstein JI

Renal angiomyolipomas and HMB-45 reactivity.

Cancer 1993 May 15;71(10): p3091-7

Ashfaq R; Weinberg AG; Albores-Saavedra J

Lymphatic differentiation in renal angiomyolipomas.

Hum Pathol 2009 Mar;40(3): p374-80

Bonsib SM; Moghadamfalahi M; Bhalodia A

Fine-needle aspiration of renal angiomyolipoma: a report of four cases.

Cytopathology 2007 Aug;18(4): p250-4

Handa U; Nanda A; Mohan H

Angiomyolipoma in the lung detected 15 years after a nephrectomy for renal angiomyolipoma.

Ann Thorac Surg 2010 Jan;89(1): p298-300

Hino H; Ikeda S; Kawano R; Sato F; Tagawa K; Hoshino T; Yokota T; Hata E; Fujii A; Mori M

Metastatic retroperitoneal epithelioid angiomyolipoma.

J Clin Pathol 2007 Apr;60(4): p428-31

Gupta C; Malani AK; Gupta V; Singh J; Ammar H

Hepatic angiomyolipoma. A report of four cases with immunohistochemical and DNA-flow cytometric studies.

Arch Pathol Lab Med 1996 Jan;120(1): p68-72

Terris B; Flejou JF; Picot R; Belghiti J; Henin D

Hepatic angiomyolipoma.

Arch Pathol Lab Med 2008 Oct;132(10): p1679-82

Petrolla AA; Xin W

Case 2

A 56 y/o male had a 2 year hx of a 1.0 cm mass in the right palm. It was clinically called a Dupuytren contracture.

Dx:

Angiomyoma, palm

Santa Barbara (Miramonte Laboratories) - Leiomyoma

Santa Rosa (Santa Rosa Memorial Hospital) - Vascular leiomyoma (4)

Woodland Hills (Kaiser Permanente) - Angioleiomyoma

Arkansas (The Lab of Path, P.A.) - Angiomyoma (2)

Alabama, Birmingham - Angioleiomyoma

Alabama (Norwood Clinic) - Hemangioendothelioma

Georgia, Atlanta - Vascular leiomyoma

Idaho, Boise - Angiomyoma

Illinois, Oak Brook - Angioleiomyoma

Kansas (Coffeyville Regional Medical Center) - Vascular leiomyoma

Kansas (Peterson Laboratory Services) - Angiomyoma (1); Angioleiomyoma (1)

Maryland, Baltimore - Angiomyoma

Michigan (Oakwood Hospital) - Epithelioid hemangioma

New Mexico, Albuquerque - Angiomyoma

New York, Rye Brook - Angiomyoma (vascular leiomyoma), palm

Ohio, Columbus - Soft tissue, right palm, angiomyoma

Pennsylvania (Conemaugh Memorial Medical Center) - Vascular leiomyoma

Texas, Victoria - Palmar fibromatosis

Canada Sherbrooke - Palmar fibromatosis

Hong Kong (Hong Kong Baptist Hospital) - Angiomyoma

India, Kochi - Angiomyoma, palm

The Netherlands, Amstelveen - Angiomyoma

Refs:

Vascular leiomyoma of the hand.

Plast Reconstr Surg 2005 Apr;115(4): p1218-9

Oktem F

Vascular leiomyoma resulting in ulnar neuropathy: case report.

J Hand Surg Am 2008 Dec;33(10): p1868-70

Miyamoto W; Yamamoto S; Kii R; Uchio Y

Vascular leiomyoma of the limbs.

Chir Organi Mov 2001 Apr-Jun;86(2): p143-52

Scapinelli R; Iacobellis C; Tagliavaloro G; Blandamura S; Baggio ME

Calcified angiomyomas of the foot: a case report.

Ankle Int 2008 Apr;29(4): p449-55

Maheshwari AV; Temple HT; Murocacho CA

Angiomyomatous hamartoma of inguinal lymph nodes.

Plast Reconstr Surg 2006 Feb;117(2): p714-6

Piedimonte A; De Nictolis M; Lorenzini P; Sperti V; Bertani A

Angioleiomyomas in the bilateral broad ligaments.

J Gynecol Pathol 2010 Jan;29(1): p39-43

Chen X; Zhang X; Zhang S; Lu B

Case 3

A 46 y/o female had this nodule involving the left leg.

Dx:

Cutaneous leiomyoma (Piloileiomyoma), leg

Santa Barbara (Miramonte Laboratories) - Leiomyoma

Santa Rosa (Santa Rosa Memorial Hospital) - Subcutaneous leiomyoma (3); Angioleiomyoma (1)

Woodland Hills (Kaiser Permanente) - Leiomyoma

Arkansas (The Lab of Path, P.A.) - Leiomyoma (2)

Alabama, Birmingham - Leiomyoma

Alabama (Norwood Clinic) - Plexiform leiomyoma

Georgia, Atlanta - Pilar leiomyoma

Idaho, Boise - Leiomyoma

Illinois, Oak Brook - Leiomyoma

Kansas (Coffeyville Regional Medical Center) - Vascular leiomyoma

Kansas (Peterson Laboratory Services) - Cutaneous leiomyoma (1); Leiomyoma (1)

Maryland, Baltimore - Leiomyoma

Michigan (Oakwood Hospital) - Leiomyoma

New Mexico, Albuquerque - Angioleiomyoma

New York, Rye Brook - Cutaneous leiomyoma, leg

Ohio, Columbus - Soft tissue, left leg, leiomyoma

Pennsylvania (Conemaugh Memorial Medical Center) - Atypical leiomyoma

Texas, Victoria - Fibromatosis

Canada Sherbrooke - Angioleiomyoma

Hong Kong (Hong Kong Baptist Hospital) - Angiomyoma

India, Kochi - Cutaneous leiomyoma, leg

The Netherlands, Amstelveen - Leiomyoma

Refs:

Congenital pilar leiomyoma.

J Am Acad Dermatol 2008 Nov;59(5 Suppl): pS102-4

Akay BN; Boyvat A; Heper AO; Unlu E

Acral calcified vascular leiomyoma of the skin: a rare clinicopathological variant of cutaneous vascular leiomyomas: report of 3 cases.

J Am Acad Dermatol 2008 Dec;59(6): p1000-4

Kacerovska D; Michal M; Kreuzberg B; Mukensnabl P; Kazakov DV

Multiple painful cutaneous nodules.

Arch Dermatol 2005 May;141(5): p633-8

Pournaras CC; Comacle P; Moulonguet I; Cavelier-Balloy B; Dubertret L; Basset-Seguin N

A case of cutaneous symplastic leiomyoma - a rare variant of cutaneous pilar leiomyoma.

J Cutan Pathol 2008 Mar;35(3): p329-31

Usmani N; Merchant W; Yung A

Clinical features of multiple cutaneous and uterine leiomyomatosis: an underdiagnosed tumor syndrome.

Arch Dermatol 2005 Feb;141(2): p199-206

Alam NA; Barclay E; Rowan AJ; Tyrer JP; Calonje E; Manek S; Kelsell D; Leigh I; Olpin S; Tomlinson IP

[Genital leiomyomas of the male nipple: two cases]

Ann Dermatol Venereol 2002 Dec;129(12): p1392-4

Poulain JF; Courtade S; Carmi E; Chatelain D; Denoeux JP; Lok C

Case 4

A 47 y/o man had this mass involving the right forearm.

Dx:

Cutaneous leiomyosarcoma, forearm

Santa Barbara (Miramonte Laboratories) - Leiomyosarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Subcutaneous leiomyoma (1); Dermal leiomyosarcoma (2);

Leiomyosarcoma, subepithelial (1)

Woodland Hills (Kaiser Permanente) - Epithelioid leiomyoma

Arkansas (The Lab of Path, P.A.) - Cutaneous leiomyosarcoma (2)

Alabama, Birmingham - Cutaneous leiomyosarcoma

Alabama (Norwood Clinic) - Kaposi's sarcoma

Georgia, Atlanta - Superficial leiomyosarcoma

Idaho, Boise - Leiomyosarcoma

Illinois, Oak Brook - Dermatofibrosarcoma protuberans

Kansas (Coffeyville Regional Medical Center) - Cutaneous leiomyoma

Kansas (Peterson Laboratory Services) - Leiomyosarcoma (2)

Maryland, Baltimore - Leiomyosarcoma (r/o melanoma, sarcomatoid carcinoma, etc)

Michigan (Oakwood Hospital) - Kaposi's sarcoma

New Mexico, Albuquerque - Cutaneous leiomyosarcoma

New York, Rye Brook - Leiomyosarcoma, forearm
Ohio, Columbus - Soft tissue, right forearm, leiomyosarcoma
Pennsylvania (Conemaugh Memorial Medical Center) - Low grade leiomyosarcoma
Texas, Victoria - Sarcoma, type
Canada Sherbrooke - Post traumatic spindle cell nodule
Hong Kong (Hong Kong Baptist Hospital) - Leiomyosarcoma
India, Kochi - Cutaneous leiomyosarcoma, forearm
The Netherlands, Amstelveen - Leiomyosarcoma

Refs:

Primary cutaneous leiomyosarcoma: a histological and immunohistochemical study of 4 cases.
Pathologica 2007 Dec;99(6): p415-9
Limaïem F; Chelly I; Bellil S; Mekni A; Nidhameddine K; Haouet S; Bellil K; Zitouna M

Childhood cutaneous leiomyosarcoma.
Pediatr Dermatol 2009 Jul-Aug;26(4): p477-9
Blaise G; Nikkels AF; Quatresooz P; Hermanns-Le T; Pierard GE

Cutaneous leiomyosarcoma: a tumor of the head and neck.
Dermatol Surg 2007 May;33(5): p628-33
Annest NM; Grekin SJ; Stone MS; Messingham MJ

A case of cutaneous leiomyosarcoma with overexpression of KIT: do CD117 (KIT)-positive primary gastrointestinal stromal tumours of the skin exist?
Br J Dermatol 2006 May;154(5): p1013-6
Horie M; Hatamochi A; Yamazaki S; Izumi M; Mukai K

Cutaneous metastasis of leiomyosarcoma.
Dermatol Surg 2007 May;33(5): p634-7
Vandergriff T; Krathen RA; Orengo I

Case 5

This is a 7 cm peri-esophageal mass in an adult male.

Dx:

Leiomyoma, esophagus

Santa Barbara (Miramonte Laboratories) - Leiomyoma
Santa Rosa (Santa Rosa Memorial Hospital) - Paraesophageal leiomyoma (3); Leiomyoma vs. gastrointestinal stromal tumor (1)
Woodland Hills (Kaiser Permanente) - Leiomyoma
Arkansas (The Lab of Path, P.A.) - Leiomyoma (2)
Alabama, Birmingham - Leiomyoma
Alabama (Norwood Clinic) - GIST, benign
Georgia, Atlanta - Esophageal leiomyoma
Idaho, Boise - Leiomyoma
Illinois, Oak Brook - Extra-abdominal fibromatosis
Kansas (Coffeyville Regional Medical Center) - Leiomyoma vs. GIST
Kansas (Peterson Laboratory Services) - Leiomyosarcoma (2)

Maryland, Baltimore - Leiomyoma
Michigan (Oakwood Hospital) - Fibromatosis
New Mexico, Albuquerque - Leiomyoma
New York, Rye Brook - Leiomyoma, esophagus
Ohio, Columbus - Soft tissue, peri-esophageal, leiomyoma
Pennsylvania (Conemaugh Memorial Medical Center) - Leiomyoma
Texas, Victoria - Myofibroma
Canada Sherbrooke - Esophageal leiomyoma
Hong Kong (Hong Kong Baptist Hospital) - Leiomyoma
India, Kochi - Leiomyoma, esophagus
The Netherlands, Amstelveen - Leiomyoma

Refs:

"Seedling" mesenchymal tumors (gastrointestinal stromal tumors and leiomyomas) are common incidental tumors of the esophagogastric junction.

Am J Surg Pathol 2007 Nov;31(11): p1629-35

Abraham SC; Krasinskas AM; Hofstetter WL; Swisher SG; Wu TT

Leiomyoma of esophagus.

Ann Thorac Cardiovasc Surg 2007 Apr;13(2): p78-81

A; Rangole A; Bhambhani N; Karimundackal G; Desai N; de Souza A; Pramesh CS; Jambhekar N; Mistry RC

Esophageal leiomyoma: a 40-year experience.

Ann Thorac Surg 2005 Apr;79(4): p1122-5

Mutrie CJ; Donahue DM; Wain JC; Wright CD; Gaisert HA; Grillo HC; Mathisen DJ; Allan JS

A large esophageal leiomyoma.

Int J Surg Pathol 2009 Oct;17(5): p401

Angus A; Slessor P; Shaw I

Leiomyoma of the esophagus.

Am J Surg 2002 Aug;184(2): p168-9

O'Hanlon DM; Clarke E; Lennon J; Gorey TF

Esophageal stromal tumors: a clinicopathologic, immunohistochemical, and molecular genetic study of 17 cases and comparison with esophageal leiomyomas and leiomyosarcomas.

Am J Surg Pathol 2000 Feb;24(2): p211-22

Miettinen M; Sarlomo-Rikala M; Sobin LH; Lasota J

Case 6

This is from the uterus of a 39 y/o woman with a long hx of dysmenorrhea and metrorrhagia. The patient was well 21 years later.

Dx:

Leiomyomata, uterus

Santa Barbara (Miramonte Laboratories) - Leiomyoma

Santa Rosa (Santa Rosa Memorial Hospital) - Atypical leiomyoma with increased mitoses (4)

Woodland Hills (Kaiser Permanente) - Cellular leiomyoma
Arkansas (The Lab of Path, P.A.) - Leiomyoma (2)
Alabama, Birmingham - Cellular leiomyoma
Alabama (Norwood Clinic) - Leiomyoma
Georgia, Atlanta - Uterine leiomyoma
Idaho, Boise - Leiomyomata
Illinois, Oak Brook - Leiomyoma
Kansas (Coffeyville Regional Medical Center) - Cellular leiomyoma
Kansas (Peterson Laboratory Services) - Cellular leiomyoma (2)
Maryland, Baltimore - Leiomyoma (multiple)
Michigan (Oakwood Hospital) - Leiomyoma
New Mexico, Albuquerque - Cellular leiomyoma
New York, Rye Brook - Uterine leiomyoma
Ohio, Columbus - Uterus, leiomyoma
Pennsylvania (Conemaugh Memorial Medical Center) - Cellular leiomyoma
Texas, Victoria - ESN
Canada Sherbrooke - Leiomyoma
Hong Kong (Hong Kong Baptist Hospital) - Intravenous leiomyomatosis
India, Kochi - Leiomyomata, uterus

Refs:

Pathologic features of uterine leiomyomas following uterine artery embolization.

Int J Gynecol Pathol 2000 Oct;19(4): p342-7

McCluggage WG; Ellis PK; McClure N; Walker WJ; Jackson PA; Manek S

Transcervical needle biopsy for the differential diagnosis between uterine sarcoma and leiomyoma.

Cancer 2002 Mar 15;94(6): p1713-20

Kawamura N; Ichimura T; Ito F; Shibata S; Takahashi K; Tsujimura A; Ishiko O; Haba T; Wakasa K; Ogita S

A rare spectrum of lesions encountered in fibroid uterus: histopathological report.

Indian J Pathol Microbiol 2007 Oct;50(4): p790-1

Kashyap S; Kaur S; Kaur D

Symplastic leiomyoma of uterus: a rare histological variant.

J Coll Physicians Surg Pak 2008 May;18(5): p308-9

Yasmeen F; Hafeez M; Hameed S; Saeed A; Ibnerasa SN

Cotyledonoid dissecting leiomyoma of the uterus: a report of four cases.

APMIS 2010 Apr;118(4): p331-3

Fukunaga M; Suzuki K; Hiruta N

Uterine leiomyomas exhibit fewer stem/progenitor cell characteristics when compared with corresponding normal myometrium.

Reprod Sci 2010 Feb;17(2): p158-67

Chang HL; Senaratne TN; Zhang L; Szotek PP; Stewart E; Dombkowski D; Preffer F; Donahoe PK; Teixeira J

Understanding cellular leiomyomas: a case-control study.

Am J Obstet Gynecol 2010 Aug;203(2): p109.e1-6

Taran FA; Weaver AL; Gostout BS; Stewart EA

Case 7

This is a uterine smooth muscle tumor in a 51 y/o woman.

Dx:

Degenerating leiomyoma, uterus

Santa Barbara (Miramonte Laboratories) - Leiomyoma
Santa Rosa (Santa Rosa Memorial Hospital) - Leiomyoma with symplastic change and necrosis (4)
Woodland Hills (Kaiser Permanente) - Leiomyoma with infarction and degeneration
Arkansas (The Lab of Path, P.A.) - Degenerating leiomyoma (2)
Alabama, Birmingham - Leiomyoma, degenerated
Alabama (Norwood Clinic) - Atypical leiomyoma
Georgia, Atlanta - Leiomyosarcoma
Idaho, Boise - Leiomyoma
Illinois, Oak Brook - Degenerating leiomyoma
Kansas (Coffeyville Regional Medical Center) - Cellular leiomyoma
Kansas (Peterson Laboratory Services) - Leiomyosarcoma (2)
Maryland, Baltimore - Epithelioid leiomyoma with degenerative changes
Michigan (Oakwood Hospital) - STUMP
New Mexico, Albuquerque - Leiomyosarcoma, low grade
New York, Rye Brook - Uterine leiomyoma with infarction
Ohio, Columbus - Uterus, apoplectic leiomyoma
Pennsylvania (Conemaugh Memorial Medical Center) - Leiomyosarcoma
Texas, Victoria - Cellular leiomyoma
Canada Sherbrooke - Leiomyoma with necrobiosis
Hong Kong (Hong Kong Baptist Hospital) - Smooth muscle tumor of uncertain malignant potential
India, Kochi - Degenerating leiomyoma, uterus
The Netherlands, Amstelveen - Leiomyoma with ischemia

Refs:

Perinodular hydropic degeneration in leiomyoma: an alarming histology.

Indian J Pathol Microbiol 2010 Jan-Mar;53(1): p173-5

Jashnani KD; Kini S; Dhamija G

Pseudo-Meigs' syndrome caused by a hydropic degenerating uterine leiomyoma with elevated CA 125.

Gynecol Oncol 2001 Oct;83(1): p153-7

Amant F; Gabriel C; Timmerman D; Vergote I

Extrapulmonary tuberculosis in pregnancy masquerading as a degenerating leiomyoma.

Obstet Gynecol 2008 Feb;111(2 Pt 2): p550-2

Moore AR; Rogers FM; Dietrick D; Smith S

Pathology and pathophysiology of uterine smooth-muscle tumors.

Environ Health Perspect 2000 Oct;108 Suppl 5:779-84

Robboy SJ; Bentley RC; Butnor K; Anderson MC

Cotyledonoid leiomyoma: a benign uterine tumor with alarming gross appearance.

Arch Pathol Lab Med 2002 Feb;126(2): p210-3

Cheuk W; Chan JK; Liu JY

Case 8

A 50 y/o woman had this 8 cm well circumscribed mass in the uterus.

Dx:

Atypical ("symplastic") leiomyoma, uterus

Santa Barbara (Miramonte laboratories) - Leiomyosarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Bizarre leiomyoma (3); Symplastic leiomyoma (1)

Woodland Hills (Kaiser Permanente) - Symplastic leiomyoma

Arkansas (The Lab of Path. P.A.) - Symplastic leiomyoma (2)

Alabama, Birmingham - Symplastic leiomyoma

Alabama (Norwood Clinic) - Leiomyosarcoma

Georgia, Atlanta - Symplastic leiomyoma

Idaho, Boise - Atypical leiomyoma

Illinois, Oak Brook - L.G. leiomyosarcoma

Kansas (Coffeyville Regional Medical Center) - Leiomyosarcoma

Kansas (Peterson Laboratory Services) - Symplastic leiomyoma (2)

Maryland, Baltimore - Favor symplastic leiomyoma

Michigan (Oakwood Hospital) - Atypical leiomyoma

New Mexico, Albuquerque - Leiomyosarcoma, high-grade

New York, Rye Brook - Symplastic uterine leiomyoma

Ohio, Columbus - Uterus, atypical leiomyoma

Pennsylvania (Conemaugh Memorial Medical Center) - Symplastic leiomyoma

Texas, Victoria - Bizarre leiomyoma

Canada Sherbrooke - Atypical leiomyoma

Hong Kong (Hong Kong Baptist Hospital) - Symplastic leiomyoma

India, Kochi - Symplastic leiomyoma, uterus

Refs:

Myxoid symplastic leiomyoma of the uterus.

Pathology 2006 Jun;38(3): p275-7

Toon C; McGahan S; Henderson P; Russell P

Symplastic leiomyoma of uterus: a rare histological variant.

J Coll Physicians Surg Pak 2008 May;18(5): p308-9

Yasmeen F; Hafeez M; Hameed S; Saeed A; Ibnerasa SN

MIB-1 (Ki-67), estrogen receptor, progesterone receptor, and p53 expression in atypical cells in uterine symplastic leiomyomas.

Int J Gynecol Pathol 2010 Jan;29(1): p51-4

Sun X; Mittal K

Uterine smooth muscle tumors other than the ordinary leiomyomas and leiomyosarcomas: a review of selected variants with emphasis on recent advances and unusual morphology that may cause concern for malignancy.

Adv Anat Pathol 2010 Mar;17(2): p91-112

Ip PP; Tse KY; Tam KF

Bizarre leiomyoma of the vagina: report of a case.
Int J Gynecol Pathol 2000 Apr;19(2): p186-7
Biankin SA; O'Toole VE; Fung C; Russell P

Pathologic quiz case: a 69-year-old asymptomatic man with a scrotal mass. Atypical (symplastic or bizarre) leiomyoma of the scrotum.
Arch Pathol Lab Med 2004 Feb;128(2): p37-8
Fadare O; Wang S; Mariappan MR

Case 9

A 48 y/o woman had vaginal bleeding and a "10-wk gestational-sized" uterus with multiple myomata. A TAH/BSO was performed. Multiple nodules were found on the omentum, ranging from 1.5 - 8.5 cm. The studied mass is from the omentum.

Dx:

Epithelioid leiomyosarcoma of uterus, omentum

Santa Barbara (Miramonte Laboratories) - Leiomyosarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Parasitic epithelioid leiomyoma (1); Epithelioid stromal tumor (GIST vs. epithelioid smooth muscle tumor) (1); Bgn metastasis leiomyoma, parasitic leiomyoma (2)

Woodland Hills (Kaiser Permanente) - Leiomyosarcoma

Arkansas (The Lab of Path. P.A.) - Epithelioid leiomyomatosis (2)

Alabama, Birmingham - Leiomyosarcoma, epithelioid

Alabama (Norwood Clinic) - Rhabdomyosarcoma

Georgia, Atlanta - Epithelioid leiomyosarcoma

Idaho, Boise - Epithelioid leiomyosarcoma

Illinois, Oak Brook - Liposarcoma

Kansas (Coffeyville Regional Medical Center) - Metastatic leiomyosarcoma

Kansas (Peterson Laboratory Services) - Disseminated epithelioid leiomyoma (1); Disseminated peritoneal leiomyomatosis (1)

Maryland, Baltimore - Leiomyosarcoma

Michigan (Oakwood Hospital) - Sarcomatoid metastasis, possibly epithelioid leiomyosarcoma

New Mexico, Albuquerque - PEComa

New York, Rye Brook - Epithelioid leiomyosarcoma involving omentum

Ohio, Columbus - Omentum, epithelioid leiomyosarcoma

Pennsylvania (Conemaugh Memorial Medical Center) - Consistent with PEComa/GIST

Texas, Victoria - MFH

Canada Sherbrooke - Metastasizing epithelioid leiomyoma

Hong Kong (Hong Kong Baptist Hospital) - Metastatic epithelioid leiomyosarcoma

India, Kochi - Epithelioid leiomyosarcoma

The Netherlands, Amstelveen - Epithelioid leiomyosarcoma

Refs:

Epithelioid leiomyosarcoma of the uterus with oncocytic change.
Pathol Res Pract 2001;197(9): p643-6
Nguyen GK; Russell L; Honore L; Vriends R

Rhabdoid epithelioid leiomyosarcoma of the uterine corpus: a case report and literature review.

Int J Surg Pathol 2002 Jul;10(3): p231-6
Levine PH; Mittal K

Uterine epithelioid leiomyosarcomas with clear cells: reactivity with HMB-45 and the concept of PEComa.

Am J Surg Pathol 2004 Feb;28(2): p244-9
Silva EG; Deavers MT; Bodurka DC; Malpica A

Epithelioid leiomyosarcoma of the uterus containing sex cord-like elements.

Int J Gynecol Pathol 2010 Jan;29(1): p67-8
Lee FY; Wen MC; Wang J

Malignant perivascular epithelioid cell tumor (PEComa) of the uterus with late renal and pulmonary metastases: a case report with review of the literature.

Diagn Pathol 2007;2:45
Armah HB; Parwani AV

Epithelioid leiomyosarcoma of the uterine cervix.

Gynecol Oncol 2001 Aug;82(2): p400-5
Gotoh T; Kikuchi Y; Takano M; Kita T; Ogata S; Aida S

Epithelioid leiomyosarcoma of the external deep soft tissue.

Arch Pathol Lab Med 2002 Apr;126(4): p468-70
Yamamoto T; Minami R; Ohbayashi C; Inaba M

An immunohistochemical analysis of endometrial stromal and smooth muscle tumors of the uterus: a study of 54 cases emphasizing the importance of using a panel because of overlap in immunoreactivity for individual antibodies.

Am J Surg Pathol 2002 Apr;26(4): p403-12
Oliva E; Young RH; Amin MB; Clement PB

Case 10

An 80 y/o man had this 4.0 mass in the anterior region of the stomach.

Dx:

Epithelioid leiomyoma, stomach

Santa Barbara (Miramonte Laboratories) - Gastrointestinal stromal tumor

Santa Rosa (Santa Rosa Memorial Hospital) - Epithelioid leiomyoma vs. gastrointestinal stromal tumor (2); Benign stromal tumor, epithelioid pattern (2)

Woodland Hills (Kaiser Permanente) - GIST

Arkansas (The Lab of Path, P.A.) - Epithelioid leiomyoma (2)

Alabama, Birmingham - Leiomyoblastoma

Alabama (Norwood Clinic) - GIST, malignant

Georgia, Atlanta - Gastrointestinal stromal tumor (leiomyoblastoma)

Idaho, Boise - Epithelioid leiomyoma

Illinois, Oak Brook - Epithelioid leiomyoma

Kansas (Coffeyville Regional Medical Center) - Epithelioid leiomyoma vs. GIST

Kansas (Peterson Laboratory Services) - Epithelioid leiomyoma (2)

Maryland, Baltimore - Atypical leiomyoma vs. GIST
Michigan (Oakwood Hospital) - Epithelioid GIST
New Mexico, Albuquerque - Smooth muscle tumor, clear cell (epithelioid) variant
New York, Rye Brook - Epithelioid leiomyoma, stomach
Ohio, Columbus - Stomach anterior, epithelioid smooth muscle tumor
Pennsylvania (Conemaugh Memorial Medical Center) - GIST
Texas, Victoria - GIST
Canada Sherbrooke - Epithelioid gastro-intestinal stromal tumor
Hong Kong (Hong Kong Baptist Hospital) - Epithelioid smooth muscle tumor/GIST
India, Kochi - Epithelioid leiomyoma, stomach
The Netherlands, Amstelveen - Epithelioid leiomyoma

Refs:

Gastric true leiomyoma: computed tomographic findings and pathological correlation.
J Comput Assist Tomogr 2007 Mar-Apr;31(2): p204-8
Lee MJ; Lim JS; Kwon JE; Kim H; Hyung WJ; Park MS; Kim MJ; Kim KW

Gastric volvulus with massive hemorrhage due to leiomyoma. Case report. 1958.
Conn Med 2008 Apr;72(4): p235-6
Blansfield HN; Egee JB

Epithelioid gastric stromal tumours of the antrum in young females with the Carney triad: a report of three new cases with mutational analysis and comparative genomic hybridization.
Oncol Rep 2007 Jul;18(1): p9-15
Agaimy A; Pelz AF; Corless CL; Wunsch PH; Heinrich MC; Hofstaedter F; Dietmaier W; Blanke CD; Wieacker P; Roessner A; Hartmann A; Schneider-Stock R

Pathological characteristics of gastric leiomyoblastoma.
World J Gastroenterol 2004 Nov 1;10(21): p3182-4
Huang XF; Wang CM; Pan BR; Dai XW; Fang L; Yang JJ; Yu H; Ren J

Gastric leiomyoma. Is there an association with Helicobacter pylori?
Saudi Med J 2004 Nov;25(11): p1758-9
Meshikhes AW; Al-Khalaf EA; Al-Bahar SH

Tumors of the stomach.
World J Surg 2000 Apr;24(4): p412-20
Davis GB; Blanchard DK; Hatch GF; Wertheimer-Hatch L; Hatch KF; Foster RS; Skandalakis JE

