

**California Tumor Tissue Registry's
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"Soft Tissue Tumors"

Case 1:

A 0.5 cm papule was found in the eyelid of a 29 y/o woman. The serum lipids were normal.

Santa Barbara (Miramonte Laboratory) - Xanthoma

Santa Rosa (Santa Rosa Memorial Hospital) - Xanthoma (3)

Arkansas (The Lab of Path, PA) - Xanthoma

Georgia, Atlanta - Xanthoma

Illinois, Oak Brook - Xanthelasma

Indiana, Carmel - Xanthelasma

Kansas (Peterson Laboratory Service) - Xanthoma

Maryland, Baltimore - Xanthelasma

Michigan (Wayne State University) - Xanthoma

New Mexico, Albuquerque - Granular cell tumor

Texas, Victoria - Xanthelasma

Canada (University of Sherbrooke) - Xanthelasma

Hong Kong (Hong Kong Baptist Hospital) - Xanthoma

India, Kochi - Xanthelasma of eyelid

Dx: Cutaneous xanthoma (xanthelasma), eyelid

Cutaneous xanthomas and xanthelasma. Soft Tissue Tumors 5th ed.,
Weiss SW and Goldblum JR. Mosby-Elsevier, 2008, 356-358.

CD10 is expressed in cutaneous clear cell lesions of different
histogenesis.

J Cutan Pathol 2005 May;32(5): p348-51

Perna AG; Smith MJ; Krishnan B; Reed JA

Normolipemic papular xanthoma with xanthelasma.

Dermatol Online J 2006;12(3): p19

Singla A

Xanthelasma or xanthoma of the fallopian tube.

Arch Pathol Lab Med 2003 Nov;127(11): pe417-9

Chetty R; Reddy I; Batitang S

Papular xanthoma: a clinicopathological study of 10 cases.

J Cutan Pathol 2002 Apr;29(4): p200-6

Breier F; Zelger B; Reiter H; Gschnait F; Zelger BW

Clinicopathological features of eyelid skin tumors. A retrospective
study of 5504 cases and review of literature.

Am J Dermatopathol 2009 May;31(3): p256-62

Deprez M; Uffer S

Case 2

A 66 y/o woman was found to have a four cm mass involving soft tissue of the left upper extremity.

Santa Barbara (Miramonte Laboratory) - Myxoma
Santa Rosa (Santa Rosa Memorial Hospital) - Myxoma (3)
Arkansas (The Lab of Path, PA) - Myxoma
Georgia, Atlanta - Myxoma
Illinois, Oak Brook - Myxoma
Indiana, Carmel - Myxoma
Kansas (Peterson Laboratory Service) - Intramuscular myxoma
Maryland, Baltimore - Myxoma
Michigan (Wayne State University) - Myxoma
New Mexico, Albuquerque - Myxoma
Texas, Victoria - Myxoma, intramuscular
Canada (University of Sherbrooke) - Myxoma
Hong Kong (Hong Kong Baptist Hospital) - Soft tissue myxoma
India, Kochi - Intramuscular myxoma

Dx: Intramuscular (IM) myxoma, upper extremity

Giant paravertebral myxoma.

Eur Spine J 2011 Jul;20 Suppl 2:S138-42

Rashid A; Abdul-Jabar HB; Karmani S; Rezajooi K; Casey AT

Intramuscular myxoma of the nasal vestibule.

Auris Nasus Larynx 2010 Feb;37(1): p100-2

Patsiaoura K; Anagnostou E; Benis N

The cytopathology of soft tissue myxomas: ganglia, juxta-articular myxoid lesions, and intramuscular myxoma.

Am J Clin Pathol 2005 Jun;123(6): p858-65

Wakely Jr PE; Bos GD; Mayerson J

Intramuscular myxoma: a clinicopathologic study of 17 patients.

Clin Orthop Relat Res 2002 Oct;(403): p191-7

Silver WP; Harrelson JM; Scully SP

Intramuscular myxoma: differential diagnosis and review of the literature.

Orthopedics 2002 Nov;25(11): p1297-9

Prado MA; Miro RL; Leal IM; Vargas J; Dorrego EJ

Sonography of intramuscular myxomas: the bright rim and bright cap signs.

J Ultrasound Med 2006 Jul;25(7): p865-9; quiz 870-1

Girish G; Jamadar DA; Landry D; Finlay K; Jacobson JA; Friedman L

Intramuscular myxomas: a clinicopathologic study with emphasis on surgical management.
Am Surg 2004 Dec;70(12): p1073-7
Charron P; Smith J

Case 3

A 12 m/o boy presented with abdominal discomfort, diarrhea and fever. After palpating the liver to be five cm below the lowest rib, an 8 x 8 x 6 cm mass was found by ultrasound.

Santa Barbara (Miramonte Laboratory) - Infarct
Santa Rosa (Santa Rosa Memorial Hospital) - Infantile/hemangioendothelioma (2);
Hepatic hemangioma with thrombosis/necrosis vs mesenchymal hamartoma (1)
Arkansas (The Lab of Path, PA) - Abscess
Georgia, Atlanta - Mesenchymal hamartoma
Illinois, Oak Brook - Mesenchymal hamartoma
Indiana, Carmel - Mesenchymal hamartoma
Kansas (Peterson Laboratory Service) - Hamartoma
Maryland, Baltimore - Infarcted benign fibrous lesion consistent with mesenchymal hamartoma
Michigan (Wayne State University) - Hamartoma
New Mexico, Albuquerque - Mesenchymal hamartoma
Texas, Victoria - Mesenchymal hamartoma
Canada (University of Sherbrooke) - Mesenchymal hamartoma
Hong Kong (Hong Kong Baptist Hospital) - Infarcted hemangioma
India, Kochi - Mesenchymal hamartoma

Dx: Mesenchymal hamartoma, liver

Hepatic mesenchymal hamartoma: a short review.
Arch Pathol Lab Med 2006 Oct;130(10): p1567-9
Siddiqui MA; McKenna BJ

Mesenchymal hamartoma of the liver with an interstitial deletion involving chromosome band 19q13.4: a theory as to pathogenesis?
Arch Pathol Lab Med 2006 Aug;130(8): p1216-8
Talmon GA; Cohen SM

Mesenchymal hamartoma of the liver: a systematic review.
J Pediatr Surg 2005 Nov;40(11): p1681-90
Stringer MD; Alizai NK

Mesenchymal hamartoma of the liver in adulthood: immunohistochemical profiles, clinical and histopathological features in two patients.
J Hepatobiliary Pancreat Surg 2005;12(6): p502-7
Yesim G; Gupse T; Zafer U; Ahmet A

Mesenchymal hamartoma of the liver mimicking hepatoblastoma.
J Pediatr Hematol Oncol 2008 Jun;30(6): p458-60

Unal E; Koksall Y; Akcoren Z; Tavli L; Gunel E; Kerimoglu U

Unusual lesions of the liver.

Clin Gastroenterol Hepatol 2009 Nov;7(11): pe69

Jansen SV; Vliegen RF; Bakker CM

Case 4

A 21 y/o woman presented with a right thigh mass measuring about 20 cm, which had been growing slowly for approximately two years. It was Cytokeratin positive, EMA positive and S100 negative.

Santa Barbara (Miramonte Laboratory) - Synovial sarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Synovial sarcoma, monophasic (3)

Arkansas (The Lab of Path, PA) - Synovial sarcoma, monophasic

Georgia, Atlanta - Monophasic synovial sarcoma

Illinois, Oak Brook - Monophasic synovial sarcoma

Indiana, Carmel - Synovial sarcoma, monophasic

Kansas (Peterson Laboratory Service) - Synovial sarcoma

Maryland, Baltimore - Synovial sarcoma, monophasic

Michigan (Wayne State University) - Synovial sarcoma

New Mexico, Albuquerque - Extraskeletal chondrosarcoma

Texas, Victoria - Synovial sarcoma

Canada (University of Sherbrooke) - Synovial sarcoma (monophasic)

Hong Kong (Hong Kong Baptist Hospital) - Epithelioid sarcoma

India, Kochi - Monophasic synovial sarcoma of thigh

Dx: Monophasic synovial sarcoma, thigh

Monophasic synovial sarcoma: a cytologic spectrum.

Diagn Cytopathol 2004 Jan;30(1): p19-23

Ewing CA; Zakowski MF; Lin O

The classic prognostic factors tumor stage, tumor size, and tumor grade are the strongest predictors of outcome in synovial sarcoma: no role for SSX fusion type or ezrin expression.

Appl Immunohistochem Mol Morphol 2009 May;17(3): p189-95

ten Heuvel SE; Hoekstra HJ; Bastiaannet E; Suurmeijer AJ

Synovial sarcoma: diagnosis on fine-needle aspiration by morphology and molecular analysis.

Cancer 2009 Apr 25;117(2): p128-36

Srinivasan R; Gautam U; Gupta R; Rajwanshi A; Vasistha RK

Monophasic parapharyngeal synovial sarcoma diagnosed by cytology, immunocytochemistry, and molecular pathology: case report and review of the literature.

Diagn Cytopathol 2010 Nov;38(11): p822-7

Ouansafi I; Klein M; Sugrue C; Morgenstern N; Frank D; Wasserman P

Diagnostic pitfalls associated with fine-needle aspiration biopsy in a patient with the myxoid variant of monophasic fibrous synovial sarcoma.

Diagn Cytopathol 2006 Nov;34(11): p761-7

Bergman S; Brownlee NA; Geisinger KR; Ward WG; Pettenati MJ; Koty P; Ellis E; Beaty MW; Kilpatrick SE

Monophasic synovial sarcoma: a cytologic spectrum.

Diagn Cytopathol 2004 Jan;30(1): p19-23

Ewing CA; Zakowski MF; Lin O

Cytohistologic correlations in 56 synovial sarcomas in 36 patients: the Institut Curie experience.

Diagn Cytopathol 2002 Aug;27(2): p96-102

Klijanienko J; Caillaud JM; Lagace R; Vielh P

Case 5

A 40 y/o man presented with a 12 cm knee mass. It was positive for pancytokeratin and EMA, but was negative for S100, SMA, MSA and desmin. It expressed a t(X;18)(p11.2;q11.2) translocation and a gain of a derivative x chromosome, as well as additional material on short arm (p) of chromosome 1, and loss of chromosome 18.

Santa Barbara (Miramonte Laboratory) - Synovial sarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Biphasic synovial sarcoma (2); Synovial sarcoma, monophasic type (1)

Arkansas (The Lab of Path, PA) - Synovial sarcoma, biphasic

Georgia, Atlanta - Biphasic synovial sarcoma

Illinois, Oak Brook - Synovial sarcoma

Indiana, Carmel - Synovial sarcoma, biphasic

Kansas (Peterson Laboratory Service) - Synovial sarcoma

Maryland, Baltimore - Synovial sarcoma

Michigan (Wayne State University) - Synovial sarcoma

New Mexico, Albuquerque - Synovial sarcoma

Texas, Victoria - Biphasic synovial sarcoma

Canada (University of Sherbrooke) - Synovial sarcoma (biphasic)

Hong Kong (Hong Kong Baptist Hospital) - Synovial sarcoma

India, Kochi - Biphasic synovial sarcoma of knee

Dx: Biphasic synovial sarcoma, knee

Differential Ki67 and bcl-2 immunoexpression in solid-glandular and spindle cell components of biphasic synovial sarcoma: a double immunostaining assessment with cytokeratin and vimentin.

Histopathology 2002 May;40(5): p464-71

Lopes JM; Nesland JM; Reis-Filho JS; Holm R

Synovial sarcoma in young people: background, prognostic factors, and therapeutic questions.

J Pediatr Hematol Oncol 2005 Apr;27(4): p207-11

Raney RB

MAGE antigen expression in monophasic and biphasic synovial sarcoma.
Hum Pathol 2002 Feb;33(2): p225-9
Antonescu CR; Busam KJ; Iversen K; Kolb D; Coplan K; Spagnoli GC;
Ladanyi M; Old LJ; Jungbluth AA

Intra articular synovial sarcoma.
Indian J Pathol Microbiol 2010 Jan-Mar;53(1): p115-6
Sistla R; Tameem A; Vidyasagar JV

Synovial sarcoma: diagnosis on fine-needle aspiration by morphology
and molecular analysis.
Cancer 2009 Apr 25;117(2): p128-36
Srinivasan R; Gautam U; Gupta R; Rajwanshi A; Vasistha RK

Gene expression profiling of synovial sarcoma: distinct signature of
poorly differentiated type.
Am J Surg Pathol 2010 Nov;34(11): p1599-607
Nakayama R; Mitani S; Nakagawa T; Hasegawa T; Kawai A; Morioka H;
Yabe H; Toyama Y; Ogose A; Toguchida J; Nakayama T; Yoshida T;
Ichikawa H

Case 6

A 15 y/o man had developed mild constipation and was admitted to the hospital with a large abdominal mass. A CT scan revealed a dumbbell-shaped tumor extending into the lower abdomen. There were also multiple liver metastases and questionable retroperitoneal lymph nodes. The removed tumor had multiple well-circumscribed pale tan nodules in the omentum. One dominant nodule was 12 cm and weighed 390 grams. Other nodules ranged from 0.6 – 2.0 cm.

Santa Barbara (Miramonte Laboratory) - Desmoplastic small round cell tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Desmoplastic small round cell tumor (3)
Arkansas (The Lab of Path, PA) - Desmoplastic small round cell tumor
Georgia, Atlanta - Desmoplastic small round cell tumor
Illinois, Oak Brook - PPNET
Indiana, Carmel - Desmoplastic small round cell tumor
Kansas (Peterson Laboratory Service) - Desmoplastic small round cell tumor
Maryland, Baltimore - Desmoplastic small round cell tumor
Michigan (Wayne State University) - Desmoplastic small round cell tumor
New Mexico, Albuquerque - Desmoplastic small cell tumor
Texas, Victoria - Desmoplastic small round cell tumor
Canada (University of Sherbrooke) - Desmoplastic small round cell tumor
Hong Kong (Hong Kong Baptist Hospital) - Desmoplastic small round cell tumor
India, Kochi - Desmoplastic small round cell tumor

Dx: Desmoplastic small round cell tumor (DSRCT), abdomen

Desmoplastic small round cell tumor of the kidney mimicking Wilms tumor: a case report and review of the literature.
Appl Immunohistochem Mol Morphol 2009 Dec;17(6): p557-62

da Silva RC; Medeiros Filho P; Chioato L; Silva TR; Ribeiro SM;
Bacchi CE

Cytology of desmoplastic small round-cell tumor: comparison of pre-
and post-chemotherapy fine-needle aspiration biopsies.

Cancer 2007 Feb 25;111(1): p41-6

Presley AE; Kong CS; Rowe DM; Atkins KA

The diagnosis and management of desmoplastic small round cell tumor:
a review.

Curr Opin Oncol 2011 Jul;23(4): p385-9

Hayes-Jordan A; Anderson PM

Desmoplastic small round cell tumor: a clinical, pathological, and
immunohistochemical study of 18 Chinese cases.

Int J Surg Pathol 2008 Jul;16(3): p257-62

Liping Cao; Jun Ni; Risheng Que; Zhengrong Wu; Zhenya Song

Desmoplastic small round cell tumor of the kidney in childhood.

Am J Surg Pathol 2007 Apr;31(4): p576-84

Wang LL; Perlman EJ; Vujanic GM; Zuppan C; Brundler MA; Cheung CR;

Calicchio ML; Dubois S; Cendron M; Murata-Collins JL; Wenger GD;

Strzelecki D; Barr FG; Collins T; Perez-Atayde AR; Kozakewich H

A new molecular variant of desmoplastic small round cell tumor:
significance of WT1 immunostaining in this entity.

Hum Pathol 2008 Dec;39(12): p1763-70

Murphy AJ; Bishop K; Pereira C; Chilton-MacNeill S; Ho M; Zielenska
M; Thorner PS

Case 7

A 33 y/o woman presented with a palpable deeply located mass in the thigh.

Santa Barbara (Miramonte Laboratory) - Alveolar soft part sarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Alveolar soft part sarcoma (3)

Arkansas (The Lab of Path, PA) - Alveolar soft part sarcoma

Georgia, Atlanta - Alveolar soft part sarcoma

Illinois, Oak Brook - Alveolar soft part sarcoma

Indiana, Carmel - Alveolar soft part sarcoma

Kansas (Peterson Laboratory Service) - Alveolar soft part sarcoma

Maryland, Baltimore - Alveolar soft part sarcoma

Michigan (Wayne State University) - Alveolar soft part sarcoma

New Mexico, Albuquerque - Alveolar soft part sarcoma

Texas, Victoria - Alveolar soft part sarcoma

Canada (University of Sherbrooke) - Alveolar soft part sarcoma

Hong Kong (Hong Kong Baptist Hospital) - Alveolar soft part sarcoma

India, Kochi - Alveolar soft part sarcoma of thigh

Dx: Alveolar soft part sarcoma, thigh

Cytopathological diagnosis of alveolar soft part sarcoma, a rare
soft tissue neoplasm.

Cytopathology 2011 Oct;22(5): p318-22
Agarwal S; Gupta R; Iyer VK; Mathur SR; Ray R

Alveolar soft-part sarcoma of the tongue: report of a case and review of the literature.

Int J Oral Maxillofac Surg 2010 Aug;39(8): p824-6
Eley KA; Afzal T; Shah KA; Watt-Smith SR

Cytologic diagnosis of alveolar soft part sarcoma of the lower extremity by fine needle aspiration and correlation with core biopsy: a case report.

Acta Cytol 2008 Jul-Aug;52(4): p459-63
Carter JE; Evans TN; Tucker JA

Alveolar soft part sarcoma.

Arch Pathol Lab Med 2007 Mar;131(3): p488-91
Zarrin-Khameh N; Kaye KS

Alveolar soft part sarcoma: clinicopathological findings in a series of 11 cases.

World J Surg Oncol 2008;6:71
Daigeler A; Kuhnen C; Hauser J; Goertz O; Tilkorn D; Steinstraesser L; Steinau HU; Lehnhardt M

Alveolar soft part sarcoma: clinical, histopathological, molecular, and ultrastructural aspects.

Fetal Pediatr Pathol 2008;27(1): p31-40
Khanna P; Paidas CN; Gilbert-Barness E

Case 8

A 90 y/o black woman with a 25 yr hx of a mass on the dorsum of the right hand presented with an ulcerated mass. The hand was amputated.

(This image/case was included in the 1985 Epithelioid Sarcoma review of 241 cases by Drs. Enzinger and Chase. See first reference.)

Santa Barbara (Miramonte Laboratory) - Epithelioid sarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Epithelioid sarcoma (3)

Arkansas (The Lab of Path, PA) - Epithelioid sarcoma

Georgia, Atlanta - Epithelioid sarcoma

Illinois, Oak Brook - Epithelioid sarcoma

Indiana, Carmel - Epithelioid sarcoma

Kansas (Peterson Laboratory Service) - Epithelioid sarcoma

Maryland, Baltimore - Epithelioid sarcoma

Michigan (Wayne State University) - Epithelioid sarcoma

New Mexico, Albuquerque - Malignant adnexal tumor

Texas, Victoria - Epithelioid sarcoma

Canada (University of Sherbrooke) - Epithelioid sarcoma

Hong Kong (Hong Kong Baptist Hospital) - Epithelioid sarcoma

India, Kochi - Epithelioid sarcoma of hand

Dx: Epithelioid sarcoma, hand

Epithelioid sarcoma. Diagnosis, prognostic indicators, and treatment.

Am J Surg Pathol, 1985; 9:241.

Chase DR, Enzinger FM.

Epithelioid sarcoma of the foot with subsequent lesion in hand: metastatic lesion or second primary?

Indian J Pathol Microbiol 2007 Jul;50(3): p563-5

Khapake DP; Jambhekar NA; Anchan C; Madur BP; Chinoy RF; Agarwal M; Puri A

Soft-tissue sarcomas of the hand: oncological outcome and prognostic factors.

J Bone Joint Surg Br 2008 Feb;90(2): p209-14

Pradhan A; Cheung YC; Grimer RJ; Peake D; Al-Muderis OA; Thomas JM; Smith M

Epithelioid finger-sarcoma in an 11 year old girl--a case report.

Ger Med Sci 2010;8 p

Stang F; Namdar T; Siemers F; Lange T; Mailander P

Chronic palmar ulcer: a case of epithelioid sarcoma.

Int J Dermatol 2002 Dec;41(12): p908-10

Schulze RA; Willard RJ; Turiansky GW

[Epithelioid sarcoma of the hand, a seldomly recognized tumor]

Handchir Mikrochir Plast Chir 2004 Oct;36(5): p313-7

Del Frari B; Zelger BG; Piza-Katzer H

Cytology of epithelioid sarcoma.

Cytopathology 2006 Oct;17(5): p305-7

Yildiz I; Onder S; Kutluay L; Firat P

"Proximal-type" and classic epithelioid sarcomas represent a clinicopathologic continuum: case report.

Pediatr Dev Pathol 2005 Jan-Feb;8(1): p105-14

Rakheja D; Wilson KS; Meehan J; Schultz RA; Gomez AM

Case 9

A 54 y/o woman was found to have a nodule in the abdominal wall. It had been draining for 20 years. It recurred 6 times before she died of metastatic disease.

This image/case was included in the 1985 Epithelioid Sarcoma paper by Drs. Chase and Enzinger. It is from the AFIP archives (now "Joint Pathology Center [JPC]").

Santa Barbara (Miramonte Laboratory) - Epithelioid sarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Epithelioid sarcoma (3)

Arkansas (The Lab of Path, PA) - Epithelioid sarcoma

Georgia, Atlanta - Sarcomatoid carcinoma
Illinois, Oak Brook - Fistular tract
Indiana, Carmel - Epithelioid sarcoma
Kansas (Peterson Laboratory Service) - Myxofibrosarcoma
Maryland, Baltimore - Epithelioid sarcoma
Michigan (Wayne State University) - Epithelioid sarcoma
New Mexico, Albuquerque - Squamous cell carcinoma
Texas, Victoria - Epithelioid sarcoma
Canada (University of Sherbrooke) - Epithelioid sarcoma
Hong Kong (Hong Kong Baptist Hospital) - Epithelioid sarcoma
India, Kochi - Epithelioid sarcoma of abdominal wall

Dx: Epithelioid sarcoma, abdominal wall

Epithelioid sarcoma. Diagnosis, prognostic indicators, and treatment.

Am J Surg Pathol, 1985; 9:241.
Chase DR, Enzinger FM.

"Proximal-type" and classic epithelioid sarcomas represent a clinicopathologic continuum: case report.
Pediatr Dev Pathol 2005 Jan-Feb;8(1): p105-14
Rakheja D; Wilson KS; Meehan J; Schultz RA; Gomez AM

Epithelioid sarcoma: a diagnostic challenge.
SO - Indian J Dermatol Venereol Leprol 2006 Nov-Dec;72(6): p446-8
AU - Pai KK; Pai SB; Sripathi H; Rao P

Epithelioid sarcoma: Still an only surgically curable disease.
Cancer 2006 Aug 1;107(3): p606-12
de Visscher SA; van Ginkel RJ; Wobbles T; Veth RP; Ten Heuvel SE; Suurmeijer AJ; Hoekstra HJ

Proximal-type epithelioid sarcoma with elevated serum CA 125: report of a case with CA 125 immunoreactivity.
Arch Pathol Lab Med 2006 Jun;130(6): p871-4
Lee HI; Kang KH; Cho YM; Lee OJ; Ro JY

Epithelioid sarcoma of Enzinger.
Adv Anat Pathol 2006 May;13(3): p114-21
Fisher C

"Proximal-type" epithelioid sarcoma in a young girl.
Pediatr Dermatol 2004 Mar-Apr;21(2): p117-20
Gambini C; Sementa A; Rongioletti F

Case 10

A tumor developed on the right calf of this 57-year-old female. It weighed 489 grams and measured 18.0 x 7.0 x 4.0 cm. The mass was in the soft tissue around the fibula and tibia and extended to overlying soft tissue and skin. Sectioning revealed a 1.5 cm myxomatous region within the tumor.

| | |
|------------------|---|
| keratin cocktail | strongly |
| positive | |
| CAM 5.2 | strongly |
| positive | |
| CK 5/6 | weak positivity |
| S100 | negative |
| Desmin | focal staining of small blood vessels, otherwise negative |
| myogenin | negative |
| inhibin | moderate cytoplasmic staining |
| vimentin | strong, diffuse cytoplasmic |
| staining | |
| CD31 | negative, except for small stromal blood vessels |
| CD34 | moderate staining |
| p63 | negative |
| TTF-1 | negative |
| INI-1 | loss of nuclear staining in tumor cells (with good nuclear staining of intermixed normal tissues) |

Santa Barbara (Miramonte Laboratory) - Metastatic high-grade malignant neoplasm

Santa Rosa (Santa Rosa Memorial Hospital) - Epithelioid sarcoma (3)

Arkansas (The Lab of Path, PA) - Epithelioid sarcoma

Georgia, Atlanta - Epithelioid sarcoma of the proximal type

Illinois, Oak Brook - Epithelioid sarcoma

Indiana, Carmel - Epithelioid sarcoma

Kansas (Peterson Laboratory Service) - Epithelioid sarcoma

Maryland, Baltimore - Epithelioid sarcoma vs. sarcomatoid carcinoma

Michigan (Wayne State University) - Epithelioid sarcoma

New Mexico, Albuquerque - Angiosarcoma

Texas, Victoria - Epithelioid angiosarcoma

Canada (University of Sherbrooke) - Epithelioid sarcoma

Hong Kong (Hong Kong Baptist Hospital) - Epithelioid sarcoma

India, Kochi - Epithelioid sarcoma, large cell of calf

Dx: Epithelioid sarcoma, (large cell/rhabdoid type/proximal type), right calf

*Director's note: This tumor has the phenotype of the so-called
"proximal variant" of ES, and illustrates that this morphology
may
occur in any epithelioid sarcoma, either primary or
metastatic,
and in any site (distal or proximal) - see first reference.
(drc)*

Epithelioid sarcoma. Diagnosis, prognostic indicators, and treatment.

Am J Surg Pathol, 1985; 9:241.

Chase DR, Enzinger FM.

"Proximal-type" and classic epithelioid sarcomas represent a clinicopathologic continuum: case report.
Pediatr Dev Pathol 2005 Jan-Feb;8(1): p105-14
Rakheja D; Wilson KS; Meehan J; Schultz RA; Gomez AM

Chronic indurated ulceration of the leg, epithelioid sarcoma with lymph node metastasis.
Eur J Dermatol 2003 Nov-Dec;13(6): p599-602
Atugoda S; Audring H; Voit C; Sterry W; Blume-Peytavi U

Epithelioid sarcoma of the extremities: a dismal long-term outcome.
J Orthop Sci 2002;7(4): p462-6
Matsushita Y; Ahmed AR; Kawaguchi N; Matsumoto S; Manabe J

Is preoperative cytologic diagnosis of epithelioid sarcoma possible?
Diagn Cytopathol 2008 Nov;36(11): p780-6
Lemos MM; Chaves P; Mendonca ME

Epithelioid sarcoma: the University of Washington experience.
Am J Surg 2008 Sep;196(3): p407-12
Wolf PS; Flum DR; Tanas MR; Rubin BP; Mann GN

Myxoid epithelioid sarcoma: a diagnostic challenge. A report on six cases.
Histopathology 2010 Nov;57(5): p753-9
Flucke U; Hulsebos TJ; van Krieken JH; Mentzel T

Epithelioid sarcoma.
Arch Pathol Lab Med 2009 May;133(5): p814-9
Armah HB; Parwani AV

