

California Tumor Tissue Registry's
Subscription "C" – Vol. 5(4)
January, 2012

"Tumors of Striated Muscle"

Case 1:..

Tissue if from a 5 y/o girl with a cardiac conduction problem. The lesion was from a mass found in the right atrium.

Dx:

Cardiac rhabdomyoma

Santa Barbara (Miramonte Laboratory) - Hibernoma
Santa Rosa (Santa Rosa Memorial Hospital) - Cardiac rhabdomyoma (3)
Woodland Hills (Kaiser Permanente) - Cardiac rhabdomyoma
Alabama, Birmingham - Rhabdomyoma
Alabama, Hoover - Rhabdomyoma
Arkansas (The Lab of Pathology, P.A.) - Cardiac rhabdomyoma
Georgia, Atlanta - Adult rhabdomyoma
Idaho, Boise - Cardiac rhabdomyoma
Illinois, Oak Brook - Rhabdomyoma
Kansas (Coffeyville Regional Medical Center) - Histiocytoid cardiomyopathy
Kansas (Peterson Laboratory Services) - Rhabdomyoma (2)
Maryland, Baltimore - Cardiac rhabdomyoma
Michigan (Oakwood Hospital) - Rhabdomyoma, adult
New York, Rye Brook - Cardiac rhabdomyoma
Pennsylvania (Conemaugh Memorial Medical Center) - Cardiac rhabdomyoma
Texas, Victoria - Rhabdomyoma
Canada (Pasqua Hospital) - Cardiac rhabdomyoma
Canada (University of Sherbrooke) - Rhabdomyoma, right atrium
Hong Kong (Hong Kong Baptist Hospital) - Cardiac rhabdomyoma
India, Kochi - Rhabdomyoma
The Netherlands, Amstelveen - Fetal rhabdomyoma

Refs:

Cardiac rhabdomyoma.

Cardiovasc Pathol 2009 Sep-Oct;18(5): p313-4

Amonkar GP; Kandalkar BM; Balasubramanian M

3Cardiac rhabdomyomas in tuberous sclerosis complex show apoptosis regulation and mTOR pathway abnormalities.

Pediatr Dev Pathol 2009 Mar-Apr;12(2): p89-95

Kotulska K; Larysz-Brysz M; Grajkowska W; Jozwiak J; Wlodarski P; Sahin M; Lewin-Kowalik J; Domanska-Pakiela D; Jozwiak S

Cardiac rhabdomyoma in an adult patient presenting with right ventricular outflow tract obstruction.

Int J Cardiol 2008 Nov 28;130(3): pe105-7

Aktoz M; Tatli E; Ege T; Yalcin O; Buyuklu M; Aksu F; Gul C; Ozdemir C

Evaluation of cardiac tumors in children by electron-beam computed tomography: rhabdomyoma and fibroma.

Circ J 2005 Nov;69(11): p1352-6

Sugiyama H; Naito H; Tsukano S; Echigo S; Kamiya T

Benign cardiac tumors and tumorlike conditions.

Ann Diagn Pathol 2010 Jun;14(3): p215-30

Jain D; Maleszewski JJ; Halushka MK

Case 2

A 19 y/o woman had this 1.2 cm nodule between the left eye and the nose. The contributor felt it represented a hamartoma.

Dx:

Fetal rhabdomyoma, face

Santa Barbara (Miramonte Laboratory) - Rhabdomyoma

Santa Rosa (Santa Rosa Memorial Hospital) - Intermediate fetal rhabdomyoma (1); Skeletal muscle tumor, rhabdomyoma (2)

Woodland Hills (Kaiser Permanente) - Fetal rhabdomyoma

Alabama, Birmingham - Hamartoma

Alabama, Hoover - Fetal rhabdomyoma

Arkansas (The Lab of Pathology, P.A.) - Rhabdomyoma, adult type

Georgia, Atlanta - Fetal rhabdomyoma

Idaho, Boise - Fetal rhabdomyoma

Illinois, Oak Brook - Rhabdomyoma

Kansas (Coffeyville Regional Medical Center) - Rhabdomyoma

Kansas (Peterson Laboratory Services) - Rhabdomyoma, adult type (1); Rhabdomyoma, fetal (1)

Maryland, Baltimore - Fetal rhabdomyoma

Michigan (Oakwood Hospital) - Rhabdomyoma, fetal

New York, Rye Brook - Fetal rhabdomyoma

Pennsylvania (Conemaugh Memorial Medical Center) - Rhabdomyoma

Texas, Victoria - Rhabdomyomatous hamartoma

Canada (Pasqua Hospital) - Embryonal rhabdomyosarcoma

Canada (University of Sherbrooke) - Rhabdomyomatous mesenchymal hamartoma, soft tissue

Hong Kong (Hong Kong Baptist Hospital) - Fetal rhabdomyoma

India, Kochi - Rhabdomyoma

The Netherlands, Amstelveen - Fetal rhabdomyoma

Refs:

Cutaneous fetal rhabdomyoma: a case report and historical review of the literature.

Am J Surg Pathol 2008 Mar;32(3): p485-91

Walsh SN; Hurt MA

Pathology quiz case 2. Rhabdomyoma, adult type.

Arch Otolaryngol Head Neck Surg 2009 Oct;135(10): p1057, 1059-60

Allen CT; Hackman TG; Lewis JS; Haughey BH

Pitfalls in the diagnosis of adult rhabdomyoma by fine needle aspiration: report of a case and a brief literature review.

Diagn Cytopathol 2009 Jul;37(7): p483-6
Jin B; Saleh H

Rhabdomyoma of the head and neck: clinicopathologic features of two cases.

Head Neck 2003 Aug;25(8): p700-4
Favia G; Lo Muzio L; Serpico R; Maiorano E

Fine-needle aspiration of adult rhabdomyoma: a case report with review of the literature.

Diagn Cytopathol 2003 Feb;28(2): p92-5
McGregor DK; Krishnan B; Green L

Adult rhabdomyoma: report of two cases of rhabdomyoma of the lip and of the eyelid.

Am J Dermatopathol 2000 Jun;22(3): p264-7
Verdolini R; Goteri G; Brancorsini D; Collina G; Simonetti O; Offidani A; Giangiacomi M

Foetal rhabdomyoma with fine-needle aspirate cytology correlation.

Singapore Med J 2009 Apr;50(4): p138-40
Wan WK; Sng TY; Goh HK; Hwang SG

Case 3

A 3 y/o girl had grape-like tissue expressed from the vaginal orifice (H&E, PAS).

Dx:

Embryonal rhabdomyosarcoma, botryoid type

Santa Barbara (Miramonte Laboratory) - Sarcoma botryoides
Santa Rosa (Santa Rosa Memorial Hospital) - Embryonal rhabdomyosarcoma (3)
Woodland Hills (Kaiser Permanente) - Embryonal rhabdomyosarcoma, botryoid type
Alabama, Birmingham - Embryonal rhabdomyosarcoma, botryoid type
Alabama, Hoover - Embryonal rhabdomyosarcoma
Arkansas (The Lab of Pathology, P.A.) - Embryonal rhabdomyosarcoma, botryoid type
Georgia, Atlanta - Embryonal rhabdomyosarcoma, botryoid variant
Idaho, Boise - Embryonal rhabdomyosarcoma, botryoid type
Illinois, Oak Brook - Embryonal rhabdomyosarcoma, botryoid
Kansas (Coffeyville Regional Medical Center) - Sarcoma, botryoides
Kansas (Peterson Laboratory Services) - Rhabdomyosarcoma, embryonal (2)
Maryland, Baltimore - Botryoid (embryonal) rhabdomyosarcoma
Michigan (Oakwood Hospital) - Rhabdomyosarcoma, botryoid embryonal
New York, Rye Brook - Embryonal rhabdomyosarcoma, botryoid type
Pennsylvania (Conemaugh Memorial Medical Center) - Botryoid rhabdomyosarcoma
Texas, Victoria - Sarcoma botryoides
Canada (Pasqua Hospital) - Embryonal rhabdomyosarcoma, botryoid type
Canada (University of Sherbrooke) - Botryoid rhabdomyosarcoma, vagina
Hong Kong (Hong Kong Baptist Hospital) - Botryoid rhabdomyosarcoma
India, Kochi - Embryonal rhabdomyosarcoma

Refs:

Trisomy 8 as a sole aberration in embryonal rhabdomyosarcoma (sarcoma botryoides) of the vagina.
Cancer Genet Cytogenet 2009 Dec;195(2): p172-4
Manor E; Bodner L; Kachko P; Kapelushnik J

Myogenic markers in the evaluation of embryonal botryoid rhabdomyosarcoma of the female genital tract.
Pediatr Dev Pathol 2005 Jul-Aug;8(4): p427-34
Riedlinger WF; Kozakewich HP; Vargas SO

Botryoid rhabdomyosarcoma of vagina--two case reports.
J Indian Med Assoc 2004 Sep;102(9): p512, 514
Kar T; Dash A; Kanungo S; Kar A

[Embryonal botryoid rhabdomyosarcoma of the bladder]
Ann Pathol 2002 Jun;22(3): p210-4
Akele-Akpo MT; Hounasso PP; Akpo C; Deminiere C

Cytogenetic abnormalities in a case of botryoid rhabdomyosarcoma.
Med Pediatr Oncol 2000 Apr;34(4): p293-5
Kadan-Lottick NS; Stork L; Ruyle SZ; Koyle M; Hunger SP; McGavran L

Rhabdomyosarcoma of the urinary bladder and vagina: a clinicopathologic study with emphasis on recurrent disease: a report from the Kiel Pediatric Tumor Registry and the German CWS Study.
Am J Surg Pathol 2001 Jul;25(7): p856-64
Leuschner I; Harms D; Mattke A; Koscielniak E; Treuner J

Case 4

A 7 y/o female with neurofibromatosis, had this widespread abdominal tumor largely in the vicinity of the bladder (H&E, PAS).

Dx:

Embryonal rhabdomyosarcoma, bladder

Santa Barbara (Miramonte Laboratory) - Rhabdomyosarcoma
Santa Rosa (Santa Rosa Memorial Hospital) - Mixed embryonal alveolar rhabdomyosarcoma (3)
Woodland Hills (Kaiser Permanente) - Embryonal rhabdomyosarcoma
Alabama, Birmingham - Rhabdomyosarcoma
Alabama, Hoover - MPNST with skeletal muscle differentiation
Arkansas (The Lab of Pathology, P.A.) - Embryonal rhabdomyosarcoma
Georgia, Atlanta - Malignant triton tumor
Idaho, Boise - Embryonal rhabdomyosarcoma
Illinois, Oak Brook - Embryonal rhabdomyosarcoma
Kansas (Coffeyville Regional Medical Center) - Rhabdomyosarcoma
Kansas (Peterson Laboratory Services) - Rhabdomyoma (2)
Maryland, Baltimore - Embryonal rhabdomyosarcoma
Michigan (Oakwood Hospital) - Rhabdomyosarcoma, embryonal
New York, Rye Brook - Embryonal rhabdomyosarcoma, spindle cell type
Pennsylvania (Conemaugh Memorial Medical Center) - Malignant triton tumor
Texas, Victoria - Embryonal rhabdomyosarcoma
Canada (Pasqua Hospital) - Embryonal rhabdomyosarcoma

Canada (University of Sherbrooke) - Embryonal rhabdomyosarcoma, bladder
Hong Kong (Hong Kong Baptist Hospital) - Embryonal rhabdomyosarcoma
India, Kochi - Embryonal rhabdomyosarcoma
The Netherlands, Amstelveen - Embryonal rhabdomyosarcoma

Refs:

Pathologic quiz case: a 3-year-old girl with dysuria and urinary incontinence. Primary embryonal rhabdomyosarcoma of the urinary bladder.

Arch Pathol Lab Med 2004 Mar;128(3): p357-8
Parwani AV; Rosenthal DL; Epstein JI; Ali SZ

Rhabdomyosarcoma of the urinary bladder and vagina: a clinicopathologic study with emphasis on recurrent disease: a report from the Kiel Pediatric Tumor Registry and the German CWS Study.

Am J Surg Pathol 2001 Jul;25(7): p856-64
Leuschner I; Harms D; Mattke A; Koscielniak E; Treuner J

[Embryonal botryoid rhabdomyosarcoma of the bladder]

Ann Pathol 2002 Jun;22(3): p210-4
Akele-Akpo MT; Hounasso PP; Akpo C; Deminiere C

Diagnosis of pediatric genitourinary embryonal rhabdomyosarcoma by urine cytology: a case report.

Acta Cytol 2007 May-Jun;51(3): p437-9
Anderson L; Henwood A; Graf N; Arbuckle S

Adult urinary bladder rhabdomyosarcoma.

Urology 2008 Oct;72(4): p948.e1-3
Childs L; Hull D; Bostwick DG

Rhabdomyosarcoma of the urinary bladder in adults: predilection for alveolar morphology with anaplasia and significant morphologic overlap with small cell carcinoma.

Am J Surg Pathol 2008 Jul;32(7): p1022-8
Paner GP; McKenney JK; Epstein JI; Amin MB

Myogenin and desmin immunohistochemistry in the assessment of post-chemotherapy genitourinary embryonal rhabdomyosarcoma: prognostic and management implications.

J Urol 2006 Oct;176(4 Pt 2): p1751-4
Godbole P; Outram A; Wilcox DT; Duffy PG; Sebire NJ

Case 5

A 29 y/o woman with a tumor in the right maxillary sinus had previously been treated with chemotherapy and radiotherapy for poorly differentiated carcinoma. It did not respond.

Dx:

Alveolar rhabdomyosarcoma, paranasal sinuses

Santa Barbara (Miramonte Laboratory) - Lymphoma
Santa Rosa (Santa Rosa Memorial Hospital) - Alveolar rhabdomyosarcoma (3)
Woodland Hills (Kaiser Permanente) - Alveolar rhabdomyosarcoma
Alabama, Birmingham - Alveolar rhabdomyosarcoma
Alabama, Hoover - Alveolar rhabdomyosarcoma
Arkansas (The Lab of Pathology, P.A.) - Alveolar rhabdomyosarcoma
Georgia, Atlanta - Rhabdomyosarcoma, rule out alveolar type
Idaho, Boise - Alveolar rhabdomyosarcoma
Illinois, Oak Brook - Alveolar rhabdomyosarcoma
Kansas (Coffeyville Regional Medical Center) - Embryonal rhabdomyosarcoma
Kansas (Peterson Laboratory Services) - Rhabdomyosarcoma, embryonal (2)
Maryland, Baltimore - Alveolar rhabdomyosarcoma
Michigan (Oakwood Hospital) - Rhabdomyosarcoma, alveolar, solid variant
New York, Rye Brook - Alveolar rhabdomyosarcoma
Pennsylvania (Conemaugh Memorial Medical Center) - Alveolar rhabdomyosarcoma
Texas, Victoria - Alveolar rhabdomyosarcoma
Canada (Pasqua Hospital) - Alveolar rhabdomyosarcoma
Canada (University of Sherbrooke) - Alveolar rhabdomyosarcoma, maxillary sinus
Hong Kong (Hong Kong Baptist Hospital) - Alveolar rhabdomyosarcoma, solid variant
India, Kochi - Alveolar rhabdomyosarcoma
The Netherlands, Amstelveen - Alveolar rhabdomyosarcoma

Refs:

Alveolar rhabdomyosarcoma of the head and neck region in older adults: genetic characterization and a review of the literature.
 CM - Other ID: NIHMS96749 [Available on 03/01/10]; Other ID: PMC2753286 [Available on 03/01/10]. Hum Pathol 2009 Mar;40(3): p341-8
 Yasuda T; Perry KD; Nelson M; Bui MM; Nasir A; Goldschmidt R; Gnepp DR; Bridge JA

Aberrant diffuse expression of synaptophysin in a sinonasal alveolar rhabdomyosarcoma.
 Pathology 2007 Apr;39(2): p275-6
 Leroy X; Petit ML; Fayoux P; Aubert S; Escande F

A case of alveolar rhabdomyosarcoma of the ethmoid sinus invading the orbit in an adult.
 Korean J Ophthalmol (Korea 2006 Mar;20(1): p70-5
 Moon HS; Kwon SW; Lee JH

Identification of a PAX-FKHR gene expression signature that defines molecular classes and determines the prognosis of alveolar rhabdomyosarcomas.
 Cancer Res 2006 Jul 15;66(14): p6936-46
 Davicioni E; Finckenstein FG; Shahbazian V; Buckley JD; Triche TJ; Anderson MJ

Solid variant of alveolar rhabdomyosarcoma in the head and neck region: a case report of a diagnostic dilemma in a head and neck fine needle aspiration clinic.
 Acta Cytol 2010 Sep-Oct;54(5 Suppl): p849-52
 Aslam MB; Sahasrabudhe N; Kumar SN; Shenjere P; Belloso A; Morar P

Diagnosing alveolar rhabdomyosarcoma: morphology must be coupled with fusion confirmation.

Comment On: RefSource:J Clin Oncol. 2010 May 1; 28(13):2151-8

J Clin Oncol 2010 May 1;28(13): p2126-8

Wexler LH; Ladanyi M

Case 6

An 8 year boy was found to have a 7 cm left testicular mass. There were no constitutional symptoms of weight loss, nausea, vomiting, hemoptysis or hematemesis. Scrotal ultrasound showed the testes to be inhomogeneous (H&E, desmin, myogenin virtual slides)

Dx:

Embryonal rhabdomyosarcoma, paratesticular

Santa Barbara (Miramonte Laboratory) - Embryonal rhabdomyosarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Rhabdomyosarcoma, embryonal (1); Testicular rhabdomyosarcoma (1); Rhabdomyosarcoma, NOS (1)

Woodland Hills (Kaiser Permanente) - Embryonal rhabdomyosarcoma

Alabama, Birmingham - Rhabdomyosarcoma

Alabama, Hoover - Rhabdomyosarcoma

Arkansas (The Lab of Pathology, P.A.) - Embryonal rhabdomyosarcoma

Georgia, Atlanta - Embryonal rhabdomyosarcoma, NOS

Idaho, Boise - Embryonal rhabdomyosarcoma

Illinois, Oak Brook - Embryonal rhabdomyosarcoma

Kansas (Coffeyville Regional Medical Center) - Alveolar rhabdomyosarcoma

Kansas (Peterson Laboratory Services) - Rhabdomyosarcoma, pleomorphic (1); Rhabdomyosarcoma, embryonal (1)

Maryland, Baltimore - Embryonal rhabdomyosarcoma

Michigan (Oakwood Hospital) - Rhabdomyosarcoma, embryonal

New York, Rye Brook - Embryonal rhabdomyosarcoma

Pennsylvania (Conemaugh Memorial Medical Center) - Embryonal rhabdomyosarcoma

Texas, Victoria - Malignant ectomesenchymoma

Canada (Pasqua Hospital) - Embryonal rhabdomyosarcoma

Canada (University of Sherbrooke) - Embryonal rhabdomyosarcoma, testicle

Hong Kong (Hong Kong Baptist Hospital) - Anaplastic embryonal rhabdomyosarcoma

India, Kochi - Embryonal rhabdomyosarcoma

The Netherlands, Amstelveen - Rhabdomyosarcoma, embryonal

Refs:

See references from case 4.

Case 7

A 64 y/o male had an anaplastic carcinoma of the right lung resected 10 yrs prior and was treated with pre and post-operative radiation. He presented with a 2 month history of right shoulder pain. Bone scan showed osteoblastic activity in the right clavicular and scapular region. A 21 gram, aggregate of bone and soft tissue was curetted. The patient refused further treatment and was lost to f/u.

Dx:

Pleomorphic rhabdomyosarcoma, shoulder

Santa Barbara (Miramonte Laboratory) - Rhabdomyosarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Pleomorphic rhabdomyosarcoma (1); Spindle cell rhabdomyosarcoma (1); Rhabdomyosarcoma (1)

Woodland Hills (Kaiser Permanente) - Rhabdomyosarcoma, post-radiation therapy

Alabama, Birmingham - Anaplastic rhabdomyosarcoma

Alabama, Hoover - Osteosarcoma with muscle differentiation

Arkansas (The Lab of Pathology, P.A.) - Pleomorphic rhabdomyosarcoma

Georgia, Atlanta - Rhabdomyosarcoma, probably treatment related

Idaho, Boise - Pleomorphic rhabdomyosarcoma

Illinois, Oak Brook - Pleomorphic rhabdomyosarcoma

Kansas (Coffeyville Regional Medical Center) - Rhabdomyosarcoma

Kansas (Peterson Laboratory Services) - Rhabdomyosarcoma, pleomorphic (2)

Maryland, Baltimore - Malignant spindle cell tumor with rhabdomyosarcomatous elements, rule out carcinosarcoma

Michigan (Oakwood Hospital) - High grade sarcoma, possibly post-radiation, with rhabdoid features

New York, Rye Brook - Pleomorphic rhabdomyosarcoma

Pennsylvania (Conemaugh Memorial Medical Center) - Pleomorphic rhabdomyosarcoma

Texas, Victoria - Pleomorphic rhabdomyosarcoma

Canada (Pasqua Hospital) - Spindle cell rhabdomyosarcoma

Canada (University of Sherbrooke) - Spindle cell sarcoma with rhabdomyosarcomatous differentiation

Hong Kong (Hong Kong Baptist Hospital) - Spindle cell rhabdomyosarcoma

India, Kochi - Pleomorphic rhabdomyosarcoma

The Netherlands, Amstelveen - Rhabdomyosarcoma, pleomorphic

Refs:

Pleomorphic rhabdomyosarcoma showing smooth-muscle and fibrohistiocytic differentiation: a single case report.
Ultrastruct Pathol 2010 Feb;34(1): p42-7
Eyden B

A rare case of paratesticular pleomorphic rhabdomyosarcoma diagnosed by fine needle aspiration: a case report.
Diagn Cytopathol 2010 Feb;38(2): p121-6
Kishore B; Khare P; Gupta RJ; Gupta C; Khare V

A retroperitoneal mass in an elderly woman. Pleomorphic rhabdomyosarcoma, classic variant, with reactive osteoclast-like giant cells.
Arch Pathol Lab Med 2005 May;129(5): p703-5
Paner GP; Gasilionis V; Hammadeh R

Pleomorphic rhabdomyosarcoma in adults: a clinicopathologic study of 38 cases with emphasis on morphologic variants and recent skeletal muscle-specific markers.
Mod Pathol 2001 Jun;14(6): p595-603
Furlong MA; Mentzel T; Fanburg-Smith JC

Pleomorphic rhabdomyosarcoma in children: four cases in the pediatric age group.
Ann Diagn Pathol 2001 Aug;5(4): p199-206
Furlong MA; Fanburg-Smith JC

Case 8

A 14 m/o black male presented to the ER with a 4 day hx of abdominal pain, vomiting, refusal to eat, and decreasing passage of urine and feces. A barium enema to r/o intussusception showed a 4 x 4 cm mass about 5 cm from the anus. The mass obstructed the bladder neck. He had been a term infant of a 20 y/o primipara with an uncomplicated pregnancy. He had no neonatal or developmental problems. Two needle core bxs were performed.

Dx:

Embryonal rhabdomyosarcoma, perianal

Santa Barbara (Miramonte Laboratory) - Desmoplastic small round cell tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Embryonal rhabdomyosarcoma (1); Anaplastic sarcoma, rule out rhabdomyosarcoma (1); Sarcoma, undifferentiated (1)
Woodland Hills (Kaiser Permanente) - Alveolar rhabdomyosarcoma
Alabama, Birmingham - Embryonal rhabdomyosarcoma
Alabama, Hoover - Embryonal rhabdomyosarcoma
Arkansas (The Lab of Pathology, P.A.) - Embryonal rhabdomyosarcoma
Georgia, Atlanta - Embryonal rhabdomyosarcoma, anaplastic variant
Idaho, Boise - Embryonal rhabdomyosarcoma
Illinois, Oak Brook - Embryonal rhabdomyosarcoma
Kansas (Coffeyville Regional Medical Center) - Embryonal rhabdomyosarcoma
Kansas (Peterson Laboratory Services) - Rhabdomyosarcoma (2)
Maryland, Baltimore - Embryonal rhabdomyosarcoma
Michigan (Oakwood Hospital) - Rhabdomyosarcoma, embryonal
New York, Rye Brook - Embryonal rhabdomyosarcoma
Pennsylvania (Conemaugh Memorial Medical Center) - Pleomorphic rhabdomyosarcoma
Texas, Victoria - Alveolar rhabdomyosarcoma
Canada (Pasqua Hospital) - Embryonal rhabdomyosarcoma
Canada (University of Sherbrooke) - Rhabdomyosarcoma, anus
Hong Kong (Hong Kong Baptist Hospital) - Embryonal rhabdomyosarcoma
India, Kochi - Embryonal rhabdomyosarcoma
The Netherlands, Amstelveen - Rhabdomyosarcoma, embryonal

Refs:

See references from case 4.

Case 9

A 6 y/o boy presented with a mass in the left thigh.

Dx:

Alveolar rhabdomyosarcoma, thigh

Santa Barbara (Miramonte Laboratory) - Alveolar rhabdomyosarcoma
Santa Rosa (Santa Rosa Memorial Hospital) - Alveolar rhabdomyosarcoma (3)
Woodland Hills (Kaiser Permanente) - Embryonal rhabdomyosarcoma
Alabama, Birmingham - Alveolar rhabdomyosarcoma
Alabama, Hoover - Alveolar rhabdomyosarcoma
Arkansas (The Lab of Pathology, P.A.) - Alveolar rhabdomyosarcoma
Georgia, Atlanta - Alveolar rhabdomyosarcoma

[Idaho, Boise](#) - Alveolar rhabdomyosarcoma
[Illinois, Oak Brook](#) - Alveolar rhabdomyosarcoma
[Kansas \(Coffeyville Regional Medical Center\)](#) - Embryonal rhabdomyosarcoma
[Kansas \(Peterson Laboratory Services\)](#) - Rhabdomyosarcoma (2)
[Maryland, Baltimore](#) - Alveolar rhabdomyosarcoma
[Michigan \(Oakwood Hospital\)](#) - Rhabdomyosarcoma, alveolar
[New York, Rye Brook](#) - Alveolar rhabdomyosarcoma
[Pennsylvania \(Conemaugh Memorial Medical Center\)](#) - Alveolar rhabdomyosarcoma
[Texas, Victoria](#) - Alveolar rhabdomyosarcoma
[Canada \(Pasqua Hospital\)](#) - Alveolar rhabdomyosarcoma
[Canada \(University of Sherbrooke\)](#) - Alveolar rhabdomyosarcoma, left thigh
[Hong Kong \(Hong Kong Baptist Hospital\)](#) - Alveolar rhabdomyosarcoma
[India, Kochi](#) - Alveolar rhabdomyosarcoma
[The Netherlands, Amstelveen](#) - Rhabdomyosarcoma, alveolar

Refs:

See references from case 5.

Case 10

A 13 y/o male had painless swelling in the right lower portion of the scrotum for 1 year. The right testis was removed. The epididymis was replaced by a rubbery, white-tan firm mass which was attached to the tunica vaginalis and spermatic cord. It was 6 x 3 x 3 cm with indistinct lobules separated by dense pale tissue.

Dx:

Pleomorphic rhabdomyosarcoma with pseudo-lipoblasts, scrotal

[Santa Barbara \(Miramonte Laboratory\)](#) - Embryonal rhabdomyosarcoma
[Santa Rosa \(Santa Rosa Memorial Hospital\)](#) - Embryonal rhabdomyosarcoma (1); Pleomorphic rhabdomyosarcoma (1)
[Woodland Hills \(Kaiser Permanente\)](#) - Pleomorphic rhabdomyosarcoma
[Alabama, Birmingham](#) - Anaplastic rhabdomyosarcoma
[Alabama, Hoover](#) - Embryonal rhabdomyosarcoma
[Arkansas \(The Lab of Pathology, P.A.\)](#) - Pleomorphic rhabdomyosarcoma
[Georgia, Atlanta](#) - Embryonal rhabdomyosarcoma, spindle cell variant
[Idaho, Boise](#) - Pleomorphic rhabdomyosarcoma
[Illinois, Oak Brook](#) - Pleomorphic rhabdomyosarcoma
[Kansas \(Coffeyville Regional Medical Center\)](#) - Pleomorphic rhabdomyosarcoma
[Kansas \(Peterson Laboratory Services\)](#) - Rhabdomyosarcoma (2)
[Maryland, Baltimore](#) - Favor pleomorphic vs. alveolar rhabdomyosarcoma
[Michigan \(Oakwood Hospital\)](#) - Rhabdomyosarcoma, embryonal, spindle cell variant
[New York, Rye Brook](#) - Pleomorphic rhabdomyosarcoma
[Pennsylvania \(Conemaugh Memorial Medical Center\)](#) - Spindle cell variant of embryonal rhabdomyosarcoma
[Texas, Victoria](#) - Pleomorphic rhabdomyosarcoma
[Canada \(Pasqua Hospital\)](#) - Embryonal rhabdomyosarcoma
[Canada \(University of Sherbrooke\)](#) - Paratesticular rhabdomyosarcoma
[Hong Kong \(Hong Kong Baptist Hospital\)](#) - Embryonal rhabdomyosarcoma
[India, Kochi](#) - Pleomorphic rhabdomyosarcoma of scrotum
[The Netherlands, Amstelveen](#) - Rhabdomyosarcoma, pleomorphic

Refs:

See references from case 7.