

**California Tumor Tissue Registry's  
Subscription "C" - Vol 7(8)  
May, 2014**

***"Vascular Tumors and Proliferations"***

**Case 1:**

A 37-year-old female had this red nodule involving her right ear.

Santa Barbara (Miramonte Laboratory) - Sclerosing hemangioma  
Arkansas (The Lab of Path, PA) - Lobular capillary hemangioma (pyogenic granuloma)  
Georgia, Atlanta - Epithelioid hemangioma  
Kansas (Peterson Laboratory Services) - Epithelioid hemangioma  
Maryland, Baltimore - Pyogenic granuloma  
Michigan (Wayne State University) - Pyogenic granuloma  
New Mexico, Albuquerque - Pyogenic granuloma  
Texas, Victoria - Pyogenic granuloma  
Hong Kong (Hong Kong Baptist Hospital) - Epithelioid hemangioma  
India, Kochi - Pyogenic granuloma of ear

**Dx: Pyogenic granuloma, ear**

Metaplastic ossification in a cutaneous pyogenic granuloma: a case report.  
J Dermatol 2004 Apr;31(4): p326-9  
Kim ES; Kim KJ; Chang SE; Lee MW; Choi JH; Moon KC; Koh JK

Periungual and subungual pyogenic granuloma.  
Br J Dermatol 2010 Nov;163(5): p941-53  
Piraccini BM; Bellavista S; Misciali C; Tosti A; de Berker D; Richert B

Oral pyogenic granuloma: a retrospective analysis of 293 cases in a Brazilian population.  
J Oral Maxillofac Surg 2010 Sep;68(9): p2185-8  
Gordon-Nunez MA; de Vasconcelos Carvalho M; Benevenuto TG; Lopes MF; Silva LM; Galvao HC

[Lobular capillary hemangioma on the floor of the mouth (pyogenic granuloma). Report of a case and literature review]  
An Otorrinolaringol Ibero Am 2006;33(6): p607-11  
Pino Rivero V; Pantoja Hernandez CG; Gonzalez Palomino A; Mora Santos ME; Barrantes Celaya G; Guerra Camacho M; Blasco Huelva A

**Case 2**

A 1.0 cm nodule involved a long finger of a 12 y/o boy. There was history of minor trauma to the area during sports activities.

Santa Barbara (Miramonte Laboratory) - Recanalized thrombus

Arkansas (The Lab of Path, PA) - Papillary endothelial hyperplasia  
Georgia, Atlanta - Organized thrombus  
Kansas (Peterson Laboratory Services) - Organized thrombus  
Maryland, Baltimore - Intravascular papillary endothelial  
Michigan (Wayne State University) - Hyperplasia  
New Mexico, Albuquerque - Papillary endothelial hyperplasia  
Texas, Victoria - I-V PEH  
Hong Kong (Hong Kong Baptist Hospital) - Intravascular papillary endothelial hyperplasia  
India, Kochi - Papillary endothelial hyperplasia of finger

### **Dx: Papillary endothelial hyperplasia (PEH), finger**

Recurrent intravascular papillary endothelial hyperplasia of the right middle finger treated with radiation therapy.

J Bone Joint Surg Br 2008 Jan;90(1): p95-7

Anthony SG; Mudgal CS; De Laney TF; Shin RD; Raskin KA; Ring DC

Intravascular papillary endothelial hyperplasia in the finger: not a premier diagnosis.

J Cutan Pathol 2007 Oct;34(10): p806-7

Erol O; Ozcakar L; Uygur F; Kecik A; Ozkaya O

"Masson's pseudoangiosarcoma" in a popliteal aneurysm: tumor or thrombus? Cause or effect?

Ann Vasc Surg 2010 Feb;24(2): p257.e1-3

McMahon GS; Mikhail HM; Molyneux AJ; Thomas DV; Hicks RC

Intravascular papillary endothelial hyperplasia of the neck masquerading as malignancy on fine-needle aspiration cytology.

Diagn Cytopathol 2003 Jul;29(1): p14-17

Suh KS; Shin KS; Park IA

Compressive effects of intravascular papillary endothelial hyperplasia.

Ophthal Plast Reconstr Surg 2010 Mar-Apr;26(2): p122-4

Aggarwal E; Madge SN; Rodgers N; Selva D

### **Case 3**

This 64 year-old man had a nodule removed from the right hand.

Santa Barbara (Miramonte Laboratory) - Recanalized thrombus  
Arkansas (The Lab of Path, PA) - Papillary endothelial hyperplasia  
Georgia, Atlanta - Papillary endovascular hyperplasia of Masson  
Kansas (Peterson Laboratory Services) - Intravascular papillary endothelial hyperplasia  
Maryland, Baltimore - Intravascular papillary endothelial hyperplasia  
Michigan (Wayne State University) - Hyperplasia  
New Mexico, Albuquerque - Papillary endothelial hyperplasia  
Texas, Victoria - Cavernous hemangioma with organizing thrombus  
Hong Kong (Hong Kong Baptist Hospital) - Intravascular papillary endothelial hyperplasia  
India, Kochi - Papillary endothelial hyperplasia of hand

## **Dx: Papillary endothelial hyperplasia (PEH), right hand**

Cutaneous intravascular papillary endothelial hyperplasia of the hand: a case report and review of the literature.

Turk J Pediatr 2005 Jan-Mar;47(1): p71-4

Tokyol C; Demir Y; Aktepe F

Intravascular papillary endothelial hyperplasia of the extremities: MR imaging findings with pathologic correlation.

Eur Radiol 2004 May;14(5): p822-6

Lee SH; Suh JS; Lim BI; Yang WI; Shin KH

Papillary endothelial hyperplasia within synovial haemangioma of the flexor tendon sheath of the wrist.

APMIS 2004 Apr-May;112(4-5): p314-8

Chow LT; Ho PC; Kumta SM

Intravascular papillary endothelial hyperplasia: a pseudotumor presenting on the plantar foot.

Foot Ankle Int 2003 Nov;24(11): p871-4

Fink B; Temple HT; Mizel MS

Intravascular papillary endothelial hyperplasia (Masson's tumor) presenting as a triceps mass.

Skeletal Radiol 2004 Jul;33(7): p421-5

Clifford PD; Temple HT; Jorda M; Marecos E

## **Case 4**

A 72 y/o woman had this 0.5 x 0.4 x 0.4 nodule in the left thumb. It was mildly painful.

Santa Barbara (Miramonte Laboratory) - Glomus tumor

Arkansas (The Lab of Path, PA) - Glomus tumor

Georgia, Atlanta - Glomus tumor

Kansas (Peterson Laboratory Services) - Glomangioma

Maryland, Baltimore - Glomangioma

Michigan (Wayne State University) - Glomus tumor

New Mexico, Albuquerque - Glomus tumor

Texas, Victoria - Glomus tumor

Hong Kong (Hong Kong Baptist Hospital) - Glomangioma

India, Kochi - Glomus tumor of thumb

## **Dx: Glomus tumor, thumb**

Glomus tumour of the thumb in a child with neurofibromatosis: a case report.

J Pediatr Orthop B 2010 Jul;19(4): p310-2

Leonard M; Harrington P

Painful glomus tumour of the thumb in an 11-year-old child with neurofibromatosis 1.

J Hand Surg Eur Vol 2010 May;35(4): p319-20

Leonard M; Harrington P

Glomus tumour within digital nerve: a case report.  
J Plast Reconstr Aesthet Surg 2011 Jul;64(7): p958-60  
Kim SW; Jung SN

Symplastic glomangioma: information review and addition of a new case.  
Int J Surg Pathol 2011 Aug;19(4): p499-501  
Arsenovic N; Ramaiya A; Moreira R

Diagnosis, management, and complications of glomus tumours of the digits in neurofibromatosis type 1.  
J Med Genet 2010 Aug;47(8): p525-32  
Stewart DR; Sloan JL; Yao L; Mannes AJ; Moshedy A; Lee CC; Sciort R; De Smet L; Mautner VF; Legius E

Glomus tumors in neurofibromatosis type 1: genetic, functional, and clinical evidence of a novel association.  
Cancer Res 2009 Sep 15;69(18): p7393-401  
Brems H; Park C, et al.

## **Case 5**

A 63 y/o white woman noticed this lobulated, 3.5 cm mass in region of the scapula. Duration unknown.

Santa Barbara (Miramonte Laboratory) - Plasmacytoma  
Arkansas (The Lab of Path, PA) - Glomus tumor, malignant  
Georgia, Atlanta - Malignant glomus tumor  
Kansas (Peterson Laboratory Services) - Glomangiosarcoma  
Maryland, Baltimore - Malignant glomus tumor  
Michigan (Wayne State University) - Malignant glomus  
New Mexico, Albuquerque - Glomangiosarcoma  
Texas, Victoria - Glomus tumor, malignant  
Hong Kong (Hong Kong Baptist Hospital) - Glomus tumor  
India, Kochi - Malignant glomus tumor of scapula

## **Dx: Malignant Glomus tumor (glomangiosarcoma), scapula**

Glomangiosarcoma of the hand: a case report and review of the literature.  
J Dermatol 2003 Nov;30(11): p827-33  
Park JH; Oh SH; Yang MH; Kim NI

Malignant glomus tumor of the hand.  
Appl Immunohistochem Mol Morphol 2009 May;17(3): p264-9  
Oh SD; Stephenson D; Schnall S; Fassola I; Dinh P

Malignant glomus tumor: a case report and review of literature, focusing on its clinicopathologic features and immunohistochemical profile.  
Am J Dermatopathol 2005 Oct;27(5): p428-31  
Khoury T; Balos L; McGrath B; Wong MK; Cheney RT; Tan D

Glomus tumour of uncertain malignant potential.  
Pathologica 2008 Dec;100(6): p492-3  
Chaabouni S; Ayadi L; Kallel R; Khabir A; Chaari C; Abbes K; Makni S;  
Sellami-Boudawara T

Malignant cutaneous glomus tumor presenting as a rapidly growing leg mass  
in a pregnant woman.

J Cutan Pathol 2008 Aug;35(8): p765-9  
Cibull TL; Gleason BC; O'Malley DP; Billings SD; Wiersema P; Hiatt KM

Malignant glomus tumor of the palm: a case report.

J Cutan Pathol 2011 Apr;38(4): p381-4  
Terada T; Fujimoto J; Shirakashi Y; Kamo M; Sugiura M

## **Case 6**

A 21 y/o man developed a 2 cm mass in the subcutis of the left hand. It was painless. When excised, it was well circumscribed and had scattered cavernous vascular spaces.

Santa Barbara (Miramonte Laboratory) - Angiosarcoma  
Arkansas (The Lab of Path, PA) - Spindle cell hemangioma  
Georgia, Atlanta - Angiosarcoma  
Kansas (Peterson Laboratory Services) - Spindle cell hemangioma  
Maryland, Baltimore - Spindle cell hemangioma  
Michigan (Wayne State University) - Spindle cell hemangioma  
New Mexico, Albuquerque - Spindle cell hemangioendothelioma  
Texas, Victoria - Hemangioendothelioma  
Hong Kong (Hong Kong Baptist Hospital) - Retiform hemangioendothelioma  
India, Kochi - Spindle cell hemangioendothelioma of hand

## **Dx: Spindle cell hemangioma (spindle cell hemangioendothelioma), hand**

Spindle cell hemangioma and epithelioid hemangioendothelioma arising in an  
area of lymphedema.

Am J Dermatopathol 2006 Jun;28(3): p223-7  
Tronnier M; Vogelbruch M; Kutzner H

Spindle cell hemangioma: report of a case presenting in the oral cavity.

J Cutan Pathol 2007 Oct;34(10): p797-800  
Sheehan M; Roumpf SO; Summerlin DJ; Billings SD

Spindle cell hemangioma (hemangioendothelioma) of the head and neck: case  
report of an unusual (or underdiagnosed) tumor.

Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2008 Feb;105(2): p216-21  
Tosios KI; Gouveris I; Sklavounou A; Koutlas IG

Intramedullary spindle cell hemangioendothelioma of the thoracic spinal  
cord--case report.

Neurol Med Chir (Tokyo) 2002 Jun;42(6): p259-63  
Abdullah JM; Mutum SS; Nasuha NA; Biswal BM; Ariff AR

Spindle cell hemangioendothelioma.

Cutis 2007 Feb;79(2): p125-8  
Dhawan SS; Raza M

## **Case 7**

A two y/o girl developed this red-purple plaque on one of her eyelids.

Santa Barbara (Miramonte Laboratory) - Hemangiopericytoma  
Arkansas (The Lab of Path, PA) - Capillary hemangioma  
Georgia, Atlanta - Kaposiform hemangioendothelioma  
Kansas (Peterson Laboratory Services) - Kaposiform hemangioendothelioma  
Maryland, Baltimore - Kaposiform hemangioendothelioma  
Michigan (Wayne State University) - Kaposi-like hemangioendothelioma  
New Mexico, Albuquerque - Kaposiform hemangioendothelioma  
Texas, Victoria - Hemangioma-angiomatosis  
Hong Kong (Hong Kong Baptist Hospital) - Infantile hemangioendothelioma  
India, Kochi - Kaposiform hemangioendothelioma of eyelid

### **Dx: Kaposiform hemangioendothelioma, eyelid**

Kaposiform hemangioendothelioma: a study of 33 cases emphasizing its pathologic, immunophenotypic, and biologic uniqueness from juvenile hemangioma.

Am J Surg Pathol 2004 May;28(5): p559-68

Lyons LL; North PE; Mac-Moune Lai F; Stoler MH; Folpe AL; Weiss SW

Multifocal kaposiform haemangioendothelioma.

Virchows Arch 2006 Jun;448(6): p843-6

Deraedt K; Vander Poorten V; Van Geet C; Renard M; De Wever I; Sciort R

Laryngeal kaposiform hemangioendothelioma: case report and literature review.

Auris Nasus Larynx 2010 Apr;37(2): p258-62

Kim DW; Chung JH; Ahn SH; Kwon TK

Kaposiform hemangioendothelioma in multiple spinal levels without skin changes.

Clin Orthop Relat Res 2009 Sep;467(9): p2464-71

Lisle JW; Bradeen HA; Kalof AN

Capillary-lymphatic malformation, kaposiform hemangioendothelioma and delayed Kasabach-Merritt phenomenon.

Pediatr Dermatol 2011 Jul-Aug;28(4): p439-43

del Pozo J; Lopez-Gutierrez JC; Gomez-Tellado M; Nistal M; Soler R; Sacristan F; Tovar JA

Kaposiform hemangioendothelioma of the tongue in an adult.

Arch Otolaryngol Head Neck Surg 2009 Aug;135(8): p824-6

White JB; Pullman J; Wenig B; Smith RV

Kaposiform hemangioendothelioma in an adult with an unusual presentation.

J Eur Acad Dermatol Venereol 2006 May;20(5): p630-2

## **Case 8**

A 29 y/o gay man noted enlargement of lymph nodes in the neck. The first biopsy showed “non-specific lymphadenitis”. Following this, he had persistent lymphadenopathy of both neck and inguinal nodes. He then developed a reversal of the T-helper/T-suppressor ratio. This specimen is from the right groin. It was 4.2 x 2.8 x 2.0 cm and had a hemorrhagic, firm cut surface.

Santa Barbara (Miramonte Laboratory) - Kaposi sarcoma  
Arkansas (The Lab of Path, PA) - Kaposi sarcoma  
Georgia, Atlanta - Kaposi sarcoma  
Kansas (Peterson Laboratory Services) - Kaposi sarcoma  
Maryland, Baltimore - Kaposi sarcoma in lymph node  
Michigan (Wayne State University) - Kaposi sarcoma  
New Mexico, Albuquerque - Kaposi sarcoma  
Texas, Victoria - Nodular Kaposi sarcoma  
Hong Kong (Hong Kong Baptist Hospital) - Kaposi sarcoma  
India, Kochi - Kaposi sarcoma of lymph node

## **Dx: Kaposi sarcoma, lymph node**

The pathobiology of Kaposi's sarcoma: advances since the onset of the AIDS epidemic.

J Cutan Pathol 2008 Nov;35 Suppl 2:40-4  
Horenstein MG; Moontasri NJ; Cesarman E

Three cases of classic Kaposi's sarcoma with different subtypes of Kaposi's sarcoma-associated herpesvirus.

Int J Dermatol 2006 Jul;45(7): p843-6  
Serwin AB; Mysliwiec H; Wilder N; Schwartz RA; Chodyncka B

Exclusive penile Kaposi's sarcoma: report of an HIV-negative man successfully treated with radiotherapy.

J Eur Acad Dermatol Venereol 2006 Mar;20(3): p318-20  
Zargari O

Bilateral tonsillar and esophageal Kaposi sarcoma in an HIV-negative patient.

Ear Nose Throat J 2011 Jul;90(7): pE23-6  
Ozbudak IH; Guney K; Mutlu D; Gelen T; Ozbilim G

AIDS-related primary Kaposi sarcoma of the nasopharynx.

Ear Nose Throat J 2011 Jun;90(6): pE1-4  
Aelenk F; Yilmaz M; Asal K; Ekinici O; Tokgoz N

Disseminated Kaposi sarcoma in newly diagnosed HIV.

Infection 2011 Feb;39(1): p91  
Wagner C; Preiswerk B; Weber R

Kaposi sarcoma incidence and survival among HIV-infected homosexual men after HIV seroconversion.

J Natl Cancer Inst 2010 Jun 2;102(11): p784-92

Lodi S; Guiguet M; Costagliola D; Fisher M; de Luca A; Porter K

## **Case 9**

A 64 y/o woman presented with a mass in the region of her right parotid gland. It extended towards the ear and up under the scalp. At surgery a 9 cm mass was removed. It was positive for Vimentin and CD31 and HFVIII and negative for desmin, S100, CD34, CD45 and a CK cocktail.

Santa Barbara (Miramonte Laboratory) - Epithelioid angiosarcoma

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

Georgia, Atlanta - Epithelioid angiosarcoma

Kansas (Peterson Laboratory Services) - Angiosarcoma

Maryland, Baltimore - Epithelioid hemangioendothelioma

Michigan (Wayne State University) - Epithelioid hemangioepithelioma

New Mexico, Albuquerque - Epithelioid hemangioendothelioma

Texas, Victoria - Epithelioid hemangioendothelioma

Hong Kong (Hong Kong Baptist Hospital) - Angiosarcoma

India, Kochi - Epithelioid hemangioepithelioma of scalp

## **Dx: Epithelioid hemangioepithelioma, scalp**

Cytologic features of epithelioid hemangioendothelioma.

Am J Clin Pathol 2011 Nov;136(5): p739-46

Murali R; Zarka MA; Ocal IT; Tazelaar HD

Spindle cell hemangioma and epithelioid hemangioendothelioma arising in an area of lymphedema.

Am J Dermatopathol 2006 Jun;28(3): p223-7

Tronnier M; Vogelbruch M; Kutzner H

Hepatic epithelioid hemangioendothelioma.

Dig Dis Sci 2011 Feb;56(2): p303-6

Liu YI; Brown SS; Elihu A; Bonham CA; Concepcion W; Longacre TA; Kamaya A

Clinical patterns and outcome in epithelioid hemangioendothelioma with or without pulmonary involvement: insights from an internet registry in the study of a rare cancer.

Chest 2011 Nov;140(5): p1312-8

Lau K; Massad M; Pollak C; Rubin C; Yeh J; Wang J; Edelman G; Yeh J;

Prasad S; Weinberg G

Prognostic factors and surgical indications of pulmonary epithelioid hemangioendothelioma: a review of the literature.

Ann Thorac Surg 2006 Dec;82(6): p2010-3

Bagan P; Hassan M; Le Pimpec Barthes F; Peyrard S; Souilamas R; Danel C; Riquet M



Pulmonary epithelioid hemangioendothelioma: report of a case with fine needle aspiration biopsy.  
Acta Cytol 2006 Jul-Aug;50(4): p455-9  
Carretero A; Elmberger PG; Skold CM; Collins BT

## **Case 10**

An 80 year old man with greater than 1 year history of epistaxis had multiple procedures on an irregular red-pink mass on his nose. Following this particular biopsy, he died four weeks later. No autopsy.

Santa Barbara (Miramonte Laboratory) - Angiosarcoma  
Arkansas (The Lab of Path, PA) - Angiosarcoma  
Georgia, Atlanta - Angiosarcoma  
Kansas (Peterson Laboratory Services) - Angiosarcoma  
Maryland, Baltimore - Angiosarcoma  
Michigan (Wayne State University) - Angiosarcoma  
New Mexico, Albuquerque - Angiosarcoma  
Texas, Victoria - Angiosarcoma  
Hong Kong (Hong Kong Baptist Hospital) - Angiosarcoma  
India, Kochi - Angiosarcoma of nose

### **Dx: Angiosarcoma, nose**

A case of angiosarcoma of the nose.  
J Dermatol 2002 Sep;29(9): p593-8  
Nishiwaki Y; Tada Y; Nakatani C; Yamashina Y; Shirai T; Miyagawa S

Prolonged survival of angiosarcoma on the nose: a report of 3 cases.  
J Am Acad Dermatol 2006 May;54(5): p883-5  
Hanke CW; Sterling JB

Angiosarcoma of the face resembling rhinophyma.  
J Am Acad Dermatol 2003 Sep;49(3): p530-1  
Aguila LI; Sanchez JL

Sinonasal angiosarcoma? Not likely (a brief description of infarcted nasal polyps).  
Ann Diagn Pathol 2010 Aug;14(4): p233-4  
Heffner DK

Successful radiotherapy of facial angiosarcoma.  
Int J Dermatol 2008 Nov;47(11): p1190-2  
Gkalpakiotis S; Arenberger P; Vohradnikova O; Arenbergerova M