



CALIFORNIA
TUMOR TISSUE REGISTRY

HEAD AND NECK PATHOLOGY

Minutes – Subscription A

September, 2013



SUGGESTED READING (General Topics from Recent Literature):

- The association of serum lipids with colorectal adenomas. *Am J Gastroenterol* 2013; 108:833-841. Yang MH, RampalS, et al.
- Mitotic rate in melanoma: Prognostic value of immunostaining and computer-assisted image analysis. *Am J Surg Pathol* 2013; 37:882-889. Hale CS, Qian M, et al.
- A novel grading system for clear cell renal cell carcinoma incorporating tumor necrosis. *Am J Surg Pathol* 2013; 37:311-322. Delahunt B, McKenney JK, et al.
- Papillary thyroid carcinoma with hobnail features. Histopathologic criteria to predict aggressive behavior. *Hum Pathol* 2013;44:320-328. Asioli S, Erickson LA, et al.
- Dermatopathology of the foreskin: An institutional experience of over 400 cases. *J Cutan Pathol* 2013; 40:11-18. West DS, Papalas JA, et al.

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FILE DIAGNOSES

CTTR Subscription A

September 2013

Case 1:

Nodular fasciitis

Case 2:

Rhinoscleroma, nasal cavity

Case 3:

Sinonasal Schnederian papilloma, inverted type

Case 4:

Pleomorphic adenoma (mixed tumor), parotid

Case 5:

Warthin tumor, parotid

Case 6:

Adenoid cystic carcinoma, maxilla

Case 7:

Paraganglioma, carotid body (carotid body tumor), neck

Case 8:

Glomangiopericytoma (sinonasal-type hemangiopericytoma), sinonasal tract

Case 9:

Lymphoepithelial lesions and sialadenitis with questionable lymphomatous transformation, parotid

Case 10:

Malignant spindle cell neoplasm, favor follicular dendritic cell sarcoma, neck

Long Beach (Long Beach VA) - Schwannoma
Oakland (Alameda County Medical Center) - Schwannoma (5)
Orinda (Kaiser Permanente) - Nodular fasciitis
San Diego (Naval Medical Center) - Nodular fasciitis
Woodland Hills (Kaiser Permanente) - Nodular fasciitis
Arkansas (Associated Pathologists Laboratory) - Benign peripheral nerve sheath tumor
Colorado (Metropolitan Pathologists) - Nodular fasciitis
Delaware, Newark - Nodular fasciitis
Florida (Gastro Enterology Associates of Ocala) - Neurofibroma
Florida (Jackson Memorial) - Nodular fasciitis
Florida (Memorial Regional Hospital) - Nodular fasciitis
Florida (University of Florida) - Nodular fasciitis
Georgia, Atlanta - Nodular fasciitis
Georgia (Wellstar Medical Group) - Nodular fasciitis (2); Plexiform neurofibroma (1)
Illinois (Heartland Regional Medical Center) - Nodular fasciitis
Illinois (Northwestern University) - Benign spindle cell lesion consistent with nodular fasciitis
Illinois, Oak Brook - Neurofibroma
Kansas (Peterson Laboratory Services) - Nodular fasciitis (1); Plexiform neurofibroma (1)
Massachusetts (University of Massachusetts Medical Center Residents) - Schwannoma
Michigan (University of Michigan) - Nodular fasciitis
Michigan (William Beaumont Hospital) - Nodular fasciitis
Nebraska (Creighton University Medical Center) - Myoepithelioma
New York (St. Lukes Roosevelt Hospital) - Nodular fasciitis
New York (SUNY Downstate) - Plexiform schwannoma
North Carolina, Wilson - Cellular schwannoma
Ohio (Cleveland Clinic) - Low grade myofibroblastic sarcoma (1); Nodular fasciitis (1)
Ohio (Summa Health System Residents) - Nodular fasciitis
Pennsylvania (Residents of Huhnemann University Hospital) - Inflammatory myofibroblastic tumor
Puerto Rico (University of Puerto Rico) - Fasciitis nodular
South Carolina (Medical University of South Carolina Residents) - Myofibroblastic sarcoma, low grade
Texas (Baylor University Medical Center) - Myoepithelial predominant mixed tumor
Texas (Crystal Beach) - Myoepithelioma
Texas, Lubbock - Hemangiopericytoma
Texas, Victoria - Traumatic neuroma
Washington (Seattle VAMC) - Spindle cell neoplasm
Wisconsin (Medical College of Wisconsin) - Nodular fasciitis
Australia (Royal Hobart Hospital) - Nodular fasciitis
Australia (The Western Hospital) - Nodular fasciitis
Canada (Pasqua Hospital) - Nodular fasciitis
Canada (University de Sherbrooke) - Nodular fasciitis
Ireland (Bon Secours Hospital, Tralee) - Myoepithelial carcinoma
Ireland (Kerry General Hospital) - Nodular fasciitis
Japan (Asahi General Hospital) - Myoepithelioma
Japan (Setagaya-Ku) - Neurofibroma
Japan (University of Yamanashi) - Sarcoma
Japan (Wakayama Medical University) - Malignant myoepithelioma
Oman (Khoula Hospital) - Nodular fasciitis
Saudi Arabia (King Khalid University Hospital) - Nodular fasciitis
Spain (Hospital Xeral de Vigo) - Nodular fasciitis
United Kingdom (John Radcliffe Hospital) - Malignant peripheral nerve sheath tumor

Case 1 - Diagnosis:

Nodular fasciitis, parotid

Case 1 - References:

Nodular fasciitis of parotid region: a pitfall in the diagnosis of pleomorphic adenomas on fine-needle aspiration cytology.

Saad RS; Takei H, et al.

Diagn Cytopathol 2005 Sep;33(3): p191-4.

Nodular fasciitis of the head and neck.

Silva P; Bruce IA, et al.

J Laryngol Otol 2005 Jan;119(1): p8-11.

Nodular fasciitis: diagnosis by fine needle aspiration biopsy.

Kong CS; Cha I.

Acta Cytol 2004 Jul-Aug;48(4): p473-7.

Nodular fasciitis in the orofacial region.

Han W; Hu Q, et al.

Int J Oral Maxillofac Surg 2006 Oct;35(10): p924-7.

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

de Feraudy S; Fletcher CD.

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

FNAC of nodular fasciitis mimicking a pleomorphic adenoma: another diagnostic pitfall.

Silvanto AM; Melly L, et al.

Cytopathology 2010 Aug;21(4): p276-7.

Case No. 2, Accession No. 12865

September 2013

Long Beach (Long Beach VA) - Inflammatory pseudo polyps

Oakland (Alameda County Medical Center) - Rhinoscleroma (5)

Orinda (Kaiser Permanente) - Rosai Dorfmann

San Diego (Naval Medical Center) - Rhinoscleroma

Woodland Hills (Kaiser Permanente) - Rhinoscleroma

Arkansas (Associated Pathologists Laboratory) - Rhinoscleroma

Colorado (Metropolitan Pathologists) - Rosai Dorfman

Delaware, Newark - Rhinoscleroma

Florida (Gastro Enterology Associates of Ocala) - Inflammatory polyp

Florida (Jackson Memorial) - Rhinoscleroma

Florida (Memorial Regional Hospital) - Rhinoscleroma

Florida (University of Florida) - Xanthogranuloma

Georgia, Atlanta - Rhinoscleroma; rule out clear cell carcinoma

Georgia (Wellstar Medical Group) - Rosai Dorfman disease (2); Myospherulosis

Illinois (Heartland Regional Medical Center) - Rosai-Dorfman disease

Illinois (Northwestern University) - Rhinoscleroma

Illinois, Oak Brook - Rhinoscleroma

Kansas (Peterson Laboratory Services) - Rosai-Dorfman (2)

Massachusetts (University of Massachusetts Medical Center Residents) - Rhinoscleroma

Michigan (University of Michigan) - Rosai-Dorfman disease

Michigan (William Beaumont Hospital) - Rhinoscleroma

Nebraska (Creighton University Medical Center) - Rhinoscleroma

New York (St. Lukes Roosevelt Hospital) - Rhinoscleroma

New York (SUNY Downstate) - Rhinoscleroma

North Carolina, Wilson - Inflammatory pseudotumor

Ohio (Cleveland Clinic) - Rhinoscleroma (1); Juvenile xanthogranuloma (1)
Ohio (Summa Health System Residents) - Rhinoscleroma
Pennsylvania (Residents of Huhnemann University Hospital) - Sinonasal T-cell lymphoma
Puerto Rico (University of Puerto Rico) - Rosai-Dorfman disease rule out infectious process
South Carolina (Medical University of South Carolina Residents) - Rhinoscleroma
Texas (Baylor University Medical Center) - Rhinoscleroma
Texas (Crystal Beach) - Fibrous histiocytoma
Texas, Lubbock - Acinic carcinoma
Texas, Victoria - SHML
Washington (Seattle VAMC) - Rhinoscleroma
Wisconsin (Medical College of Wisconsin) - Rhinoscleroma
Australia (Royal Hobart Hospital) - Rhinoscleroma
Australia (The Western Hospital) - Rhinoscleroma
Canada (Pasqua Hospital) - Rhinoscleroma
Canada (University de Sherbrooke) - Rhinoscleroma
Ireland (Bon Secours Hospital, Tralee) - Rosai-Dorfman disease
Ireland (Kerry General Hospital) - Rhinoscleroma or SHML
Japan (Asahi General Hospital) - Rosai Dorfman disease
Japan (Setagaya-Ku) - Rosai Dorfman disease
Japan (University of Yamanashi) - Plasmacytoma
Japan (Wakayama Medical University) - Rhinoscleroma
Oman (Khoula Hospital) - Rhinoscleroma
Saudi Arabia (King Khalid University Hospital) - Rhinoscleroma
Spain (Hospital Xeral de Vigo) - Rosai Dorfman disease
United Kingdom (John Radcliffe Hospital) - Rhinoscleroma

Case 2 - Diagnosis:

Rhinoscleroma, nasal cavity

Case 2 - References:

Rhinoscleroma: a retrospective study of pathologic and clinical features.

Zhong Q; Guo W, et al.

J Otolaryngol Head Neck Surg 2011 Apr;40(2): p167-74.

Rhinoscleroma: an updated experience through the last 10 years.

Gaafar HA; Gaafar AH; Nour YA.

Acta Otolaryngol 2011 Apr;131(4): p440-6.

Rhinoscleroma: a French national retrospective study of epidemiological and clinical features.

de Pontual L; Ovetchkine P, et al.

Clin Infect Dis 2008 Dec 1;47(11): p1396-402.

Klebsiella rhinoscleromatis of the membranous nasal septum.

Chan TV; Spiegel JH.

J Laryngol Otol 2007 Oct;121(10): p998-1002.

Rhinoscleroma associated with Rosai-Dorfman reaction of regional lymph nodes.

Kasper HU; Hegenbarth V; Buhtz P.

Pathol Int 2004 Feb;54(2): p101-4.

Nasal rhinoscleroma in a nonendemic area: a case report.

Kim NR; Han J; Kwon TY.

J Korean Med Sci (Korea 2003 Jun;18(3): p455-8.

Coexistence of rhinoscleroma with Rosai-Dorfman disease: is rhinoscleroma a cause of this disease?

Case No. 3, Accession No. 20239

September 2013

Long Beach (Long Beach VA) - Squamous papilloma (Schneiderian type)
Oakland (Alameda County Medical Center) - Schneiderian papilloma
Orinda (Kaiser Permanente) - Schneiderian papilloma
San Diego (Naval Medical Center) - Inverted Schneiderian papilloma
Woodland Hills (Kaiser Permanente) - Sinonasal (Schneiderian) papilloma, inverted type
Arkansas (Associated Pathologists Laboratory) - Inverted Schneiderian papilloma
Colorado (Metropolitan Pathologists) - Schneiderian papilloma, inverted type
Delaware, Newark - Inverted Schneiderian papilloma
Florida (Gastro Enterology Associates of Ocala) - Inverted papilloma
Florida (Jackson Memorial) - Schneiderian papilloma
Florida (Memorial Regional Hospital) - Inverted Schneiderian papilloma
Florida (University of Florida) - Schneiderian papilloma, inverted
Georgia, Atlanta - Inverted (Schneiderian) papilloma
Georgia (Wellstar Medical Group) - Inverted papilloma (2); Inverted Schneiderian papilloma (1);
Illinois (Heartland Regional Medical Center) - Inverted Schneiderian papilloma
Illinois (Northwestern University) - Schneiderian papilloma (inverted type)
Illinois, Oak Brook - Inverted Schneiderian papilloma
Kansas (Peterson Laboratory Services) - Inverted Schneiderian papilloma (2)
Massachusetts (University of Massachusetts Medical Center Residents) - Schneiderian papilloma, exophytic/fungiform type
Michigan (University of Michigan) - Sinonasal (Schneiderian) papilloma
Michigan (William Beaumont Hospital) - Schneiderian papilloma, inverted type
Nebraska (Creighton University Medical Center) - Inverted papilloma Schneiderian
New York (St. Lukes Roosevelt Hospital) - Sinonasal Schneiderian papilloma
New York (SUNY Downstate) - Sinonasal papilloma, inverted type
North Carolina, Wilson - Schneiderian papilloma
Ohio (Cleveland Clinic) - Schneiderian papilloma, inverted type (2)
Ohio (Summa Health System Residents) - Inverted Schneiderian papilloma
Pennsylvania (Residents of Huhnmann University Hospital) - Inverted papilloma
Puerto Rico (University of Puerto Rico) - Inverted papilloma
South Carolina (Medical University of South Carolina Residents) - Schneiderian papilloma, inverted type
Texas (Baylor University Medical Center) - Sinonasal papilloma, inverted type
Texas (Crystal Beach) - Squamous papilloma
Texas, Lubbock - Inverted papilloma
Texas, Victoria - Inverted Schneiderian papilloma
Washington (Seattle VAMC) - Squamous papilloma
Wisconsin (Medical College of Wisconsin) - Inverted papilloma
Australia (Royal Hobart Hospital) - Schneiderian polyp
Australia (The Western Hospital) - Schneiderian inverted papilloma
Canada (Pasqua Hospital) - Inverted papilloma
Canada (University de Sherbrooke) - Sinonasal Schneiderian papilloma
Ireland (Bon Secours Hospital, Tralee) - Inverted papilloma
Ireland (Kerry General Hospital) - Sinonasal papilloma
Japan (Asahi General Hospital) - Inverted papilloma
Japan (Setagaya-Ku) - Squamous cell carcinoma
Japan (University of Yamanashi) - Inverted papilloma
Japan (Wakayama Medical University) - Inverted papilloma
Oman (Khoula Hospital) - Inverted papilloma
Saudi Arabia (King Khalid University Hospital) - Squamous carcinoma, papillary type

Spain (Hospital Xeral de Vigo) - Schneiderian papilloma, inverted type
United Kingdom (John Radcliffe Hospital) - Sinonasal papilloma (inverted type)

Case 3 - Diagnosis:

Sinonasal Schneiderian papilloma, inverted type

Case 3 - References:

Inverted papilloma (Schneiderian papilloma) with involvement of the oral cavity: report of an unusual case.
Piva MR; Santos Tde S, et al.
An Bras Dermatol 2011 Jul-Aug;86(4): p779-83.

Schneiderian papillomas and carcinomas: a retrospective study with special reference to p53 and p16 tumor suppressor gene expression and association with HPV.
Cheung FM; Lau TW, et al.
Ear Nose Throat J 2010 Oct;89(10): pE5-E12.

Inverted papillomas and benign nonneoplastic lesions of the nasal cavity.
Wood JW; Casiano RR.
Am J Rhinol Allergy 2012 Mar-Apr;26(2): p157-63.

Synchronous multicentric bilateral sinonasal inverted papilloma and frontal sinus osteoma.
Jurlina M; Prstacic R, et al.
J Craniofac Surg 2011 May;22(3): p1113-6.

Sinonasal inverted papilloma: narrative review.
Anari S; Carrie S.
J Laryngol Otol 2010 Jul;124(7): p705-15.

Case No. 4, Accession No. 31523

September 2013

Long Beach (Long Beach VA) - Pleomorphic adenoma (benign mixed tumor)
Oakland (Alameda County Medical Center) - Pleomorphic adenoma (5)
Orinda (Kaiser Permanente) - Pleomorphic adenoma
San Diego (Naval Medical Center) - Pleomorphic adenoma
Woodland Hills (Kaiser Permanente) - Pleomorphic adenoma
Arkansas (Associated Pathologists Laboratory) - Pleomorphic adenoma
Colorado (Metropolitan Pathologists) - Pleomorphic adenoma
Delaware, Newark - Pleomorphic adenoma
Florida (Gastro Enterology Associates of Ocala) - Pleomorphic adenoma
Florida (Jackson Memorial) - Pleomorphic adenoma
Florida (Memorial Regional Hospital) - Pleomorphic adenoma
Florida (University of Florida) - Pleomorphic adenoma
Georgia, Atlanta - Pleomorphic adenoma
Georgia (Wellstar Medical Group) - Pleomorphic adenoma (2); Mixed tumor (1)
Illinois (Heartland Regional Medical Center) - Pleomorphic adenoma
Illinois (Northwestern University) - Pleomorphic adenoma
Illinois, Oak Brook - Pleomorphic adenoma
Kansas (Peterson Laboratory Services) - Pleomorphic adenoma (1); Carcinoma ex pleomorphic adenoma (1)
Massachusetts (University of Massachusetts Residents) - Pleomorphic adenoma
Michigan (University of Michigan) - Pleomorphic adenoma
Michigan (William Beaumont Hospital) - Pleomorphic adenoma
Nebraska (Creighton University Medical Center) - Pleomorphic adenoma
New York (St. Lukes Roosevelt Hospital) - Pleomorphic adenoma

New York (SUNY Downstate) - Pleomorphic adenoma
North Carolina, Wilson - Pleomorphic adenoma
Ohio (Cleveland Clinic) - Pleomorphic adenoma (2)
Ohio (Summa Health System Residents) - Pleomorphic adenoma
Pennsylvania (Residents of Huhnmann University Hospital) - Pleomorphic adenoma
Puerto Rico (University of Puerto Rico) - Pleomorphic adenoma
South Carolina (Medical University of South Carolina Residents) - Pleomorphic adenoma
Texas (Baylor University Medical Center) - Benign mixed tumor
Texas (Crystal Beach) - Mixed tumor
Texas, Lubbock - Pleomorphic adenoma
Texas, Victoria - Mixed tumor
Washington (Seattle VAMC) - Pleomorphic adenoma
Wisconsin (Medical College of Wisconsin) - Pleomorphic adenoma
Australia (Royal Hobart Hospital) - Pleomorphic adenoma
Australia (The Western Hospital) - Pleomorphic adenoma
Canada (Pasqua Hospital) - Pleomorphic adenoma
Canada (University de Sherbrooke) - Pleomorphic adenoma
Ireland (Bon Scours Hospital, Tralee) - Pleomorphic adenoma
Ireland (Kerry General Hospital) - Pleomorphic salivary adenoma
Japan (Asahi General Hospital) - Pleomorphic adenoma
Japan (Setagaya-Ku) - Pleomorphic adenoma
Japan (University of Yamanashi) - Pleomorphic adenoma
Japan (Wakayama Medical University) - Pleomorphic adenoma
Oman (Khoula Hospital) - Pleomorphic adenoma
Saudi Arabia (King Khalid University Hospital) - Pleomorphic adenoma
Spain (Hospital Xeral de Vigo) - Pleomorphic adenoma (benign mixed tumor)
United Kingdom (John Radcliffe Hospital) - Pleomorphic adenoma

Case 4 - Diagnosis:

Pleomorphic adenoma (mixed tumor), parotid

Case 4 - References:

Basal cell carcinoma which developed on the surface of recurrent parotid pleomorphic adenoma: coincidence or causality?

Chou WT; Hung CM, et al.

Eur J Dermatol 2012 Jan-Feb;22(1): p145-6.

Multicentric recurrent parotid pleomorphic adenoma in a child.

Bonet-Loscertales M; Armengot-Carceller M, et al.

Med Oral Patol Oral Cir Bucal 2010 Sep;15(5): pe743-5.

Relationship between histopathology of pleomorphic adenoma in the parotid gland and recurrence after superficial parotidectomy.

Park GC; Cho KJ, et al.

J Surg Oncol 2012 Dec;106(8): p942-6.

Melanoma in a carcinoma ex pleomorphic adenoma of the parotid gland: a case report and putative histogenesis.

Karpowicz MK; Shalmon B, et al.

Hum Pathol 2011 Sep;42(9): p1355-8.

Pleomorphic adenoma with mucinous and squamous differentiation: a mimicker of mucoepidermoid carcinoma.

Guo SP; Cheuk W; Chan JK.

Int J Surg Pathol 2009 Aug;17(4): p335-7.

Pleomorphic adenoma (benign mixed tumour) of the salivary glands: its diverse clinical, radiological, and histopathological presentation.

Lingam RK; Dagher AA, et al.

Br J Oral Maxillofac Surg 2011 Jan;49(1): p14-20.

Pleomorphic adenoma of the salivary glands with intravascular tumor deposits: a diagnostic pitfall.

Skalova A; Altemani A, et al.

Am J Surg Pathol 2012 Nov;36(11): p1674-82.

Case No. 5, Accession No. 31340

September 2013

Long Beach (Long Beach VA) - Warthin tumor

Oakland (Alameda County Medical Center) - Warthin tumor

Orinda (Kaiser Permanente) - Warthin tumor

San Diego (Naval Medical Center) - Warthin tumor

Woodland Hills (Kaiser Permanente) - Warthin tumor

Arkansas (Associated Pathologists Laboratory) - Warthin tumor

Colorado (Metropolitan Pathologists) - Warthin tumor

Delaware, Newark - Warthin tumor

Florida (Gastro Enterology Associates of Ocala) - Warthin tumor

Florida (Jackson Memorial) - Warthin tumor

Florida (Memorial Regional Hospital) - Warthin tumor

Florida (University of Florida) - Warthin tumor

Georgia, Atlanta - Warthin tumor

Georgia (Wellstar Medical Group) - Warthin tumor (2); Lymphoepithelial cyst (1)

Illinois (Heartland Regional Medical Center) - Warthin tumor

Illinois (Northwestern University) - Warthin tumor (papillary cystadenoma lymphomatosum)

Illinois, Oak Brook - Warthin tumor

Kansas (Peterson Laboratory Services) - Warthin tumor (2)

Massachusetts (University of Massachusetts Medical Center Residents) - Warthin tumor

Michigan (University of Michigan) - Warthin tumor

Michigan (William Beaumont Hospital) - Warthin tumor

Nebraska (Creighton University Medical Center) - Warthin tumor

New York (St. Lukes Roosevelt Hospital) - Warthin tumor

New York (SUNY Downstate) - Warthin tumor

North Carolina, Wilson - Warthin tumor

Ohio (Cleveland Clinic) - Warthin tumor (2)

Ohio (Summa Health System) - Warthin tumor

Pennsylvania (Residents of Huhnemann University Hospital) - Warthin tumor

Puerto Rico (University of Puerto Rico) - Warthin tumor

South Carolina (Medical University of South Carolina Residents) - Warthin tumor

Texas (Baylor University Medical Center) - Warthin tumor

Texas (Crystal Beach) - Warthin tumor

Texas, Lubbock - Warthin tumor

Texas, Victoria - Warthin tumor

Washington (Seattle VAMC) - Warthin tumor

Wisconsin (Medical College of Wisconsin) - Warthin tumor

Australia (Royal Hobart Hospital) - Warthin tumor

Australia (The Western Hospital) - Warthin tumor

Canada (Pasqua Hospital) - Warthin tumor

Canada (University de Sherbrooke) - Warthin tumor

Ireland (Bon Secours Hospital, Tralee) - Warthin tumor

Ireland (Kerry General Hospital) - Warthin tumor

Japan (Asahi General Hospital) - Lymphoepithelial cyst

Japan (Setagaya-Ku) - Warthin tumor
Japan (University of Yamanashi) - Warthin tumor
Japan (Wakayama Medical University) - Warthin tumor
Oman (Khoula Hospital) - Warthin tumor
Saudi Arabia (King Khalid University Hospital) - Warthin tumor
Spain (Hospital Xeral de Vigo) - Warthin tumor
United Kingdom (John Radcliffe Hospital) - Warthin tumor

Case 5 - Diagnosis:

Warthin tumor, parotid

Case 5 - References:

Induction of parotitis by fine-needle aspiration in parotid Warthin's tumor.
Suzuki K; Iwai H, et al.
Otolaryngol Head Neck Surg 2009 Aug;141(2): p282-4.

Warthin's tumour: a retrospective case series.
Taylor TR; Cozens NJ; Robinson I.
Br J Radiol 2009 Nov;82(983): p916-9.

Is Warthin's tumour of the parotid gland a lymph node disease?
Teymoortash A; Werner JA; Moll R.
Histopathology 2011 Jul;59(1): p143-5.

Bilateral warthin tumors of the parotid gland.
Kremp AN; Nelson BL.
Head Neck Pathol 2008 Sep;2(3): p175-6.
Fine-needle aspiration cytology in the management of parotid masses: evaluation of 249 patients.
Fakhry N; Antonini F, et al.
Eur Ann Otorhinolaryngol Head Neck Dis 2012 Jun;129(3): p131-5.

Case No. 6, Accession No. 31525

September 2013

Long Beach (Long Beach VA) - Adenoid cystic carcinoma
Oakland (Alameda County Medical Center) - Adenoid cystic carcinoma (5)
Orinda (Kaiser Permanente) - Adenoid cystic carcinoma
San Diego (Naval Medical Center) - Adenoid cystic carcinoma
Woodland Hills (Kaiser Permanente) - Adenoid cystic carcinoma
Arkansas (Associated Pathologists Laboratory) - Adenoid cystic carcinoma
Colorado (Metropolitan Pathologists) - Adenoid cystic carcinoma
Delaware, Newark - Polymorphoma low grade adenocarcinoma
Florida (Gastro Enterology Associates of Ocala) - Adenoid cystic carcinoma
Florida (Jackson Memorial) - Adenoid cystic carcinoma
Florida (Memorial Regional Hospital) - Adenoid cystic carcinoma
Florida (University of Florida) - Adenoid cystic
Georgia, Atlanta - Adenoid cystic carcinoma
Georgia (Wellstar Medical Group) - Adenoid cystic carcinoma (3)
Illinois (Heartland Regional Medical Center) - Adenoid cystic carcinoma
Illinois (Northwestern University) - Adenoid cystic carcinoma
Illinois, Oak Brook - Basal cell adenoma
Kansas (Peterson Laboratory Services) - Polymorphous low grade tumor (2)
Massachusetts (University of Massachusetts Medical Center Residents) - Adenoid cystic carcinoma
Michigan (University of Michigan) - Adenoid cystic carcinoma

Michigan (William Beaumont Hospital) - Adenoid cystic carcinoma vs. HPV-related ACC like carcinoma
Nebraska (Creighton University Medical Center) - Adenoid cystic carcinoma
New York (St. Lukes Roosevelt Hospital) - Adenoid cystic carcinoma
New York (SUNY Downstate) - Adenoid cystic carcinoma
North Carolina, Wilson - Pleomorphic low-grade adenoma carcinoma
Ohio (Cleveland Clinic) - Adenoid cystic carcinoma (2)
Ohio (Summa Health System Residents) - Adenoid cystic carcinoma
Pennsylvania (Residents of Huhnmann University Hospital) - Ameloblastoma
Puerto Rico (University of Puerto Rico) - Cylindroma (adenocystic type) rule out morpheiform basal cell carcinoma
South Carolina (Medical University of South Carolina Residents) - Adenoid cystic carcinoma
Texas (Baylor University Medical Center) - Adenoid cystic carcinoma
Texas (Crystal Beach) - Adenoid cystic carcinoma
Texas, Lubbock - Adenoid cystic carcinoma
Texas, Victoria - SNUC
Washington (Seattle VAMC) - Adenoid cystic carcinoma
Wisconsin (Medical College of Wisconsin) - Adenoid cystic carcinoma
Australia (Royal Hobart Hospital) - Adenoid cystic carcinoma
Australia (The Western Hospital) - Adenoid cystic carcinoma
Canada (Pasqua Hospital) - Adenoid cystic carcinoma
Canada (University de Sherbrooke) - Adenoid cystic carcinoma, lacrimal gland
Ireland (Bon Secours Hospital, Tralee) - Adenoid cystic carcinoma
Ireland (Kerry General Hospital) - Basal cell adenocarcinoma
Japan (Asahi General Hospital) - Adenoid cystic carcinoma
Japan (Setagaya-Ku) - Adenoid cystic carcinoma
Japan (University of Yamanashi) - Adenoid cystic carcinoma
Japan (Wakayama Medical University) - Salivary gland-type adenocarcinoma (adenoid cystic carcinoma)
Oman (Khoula Hospital) - Adenoid cystic carcinoma
Saudi Arabia (King Khalid University Hospital) - Adenoid cystic carcinoma
Spain (Hospital Xeral de Vigo) - Adenoid cystic carcinoma
United Kingdom (John Radcliffe Hospital) - Adenoid cystic carcinoma

Case 6- Diagnosis:

Adenoid cystic carcinoma, maxilla

Case 6 - References:

Tumor-to-tumor metastasis: maxillary sinus adenoid cystic carcinoma metastasizing to double primary lung adenocarcinoma.

Lin WY; Hsu WH.

Ann Thorac Surg 2010 Oct;90(4): pe59-61.

Adenoid cystic carcinoma of intraoral minor salivary glands.

Bianchi B; Copelli C, et al.

Oral Oncol 2008 Nov;44(11): p1026-31.

Clinicopathological features of salivary and non-salivary adenoid cystic carcinomas.

Lin YC; Chen KC, et al.

Int J Oral Maxillofac Surg 2012 Mar;41(3): p354-60.

Sinonasal adenoid cystic carcinoma: the M. D. Anderson Cancer Center experience.

Lupinetti AD; Roberts DB, et al.

Cancer 2007 Dec 15;110(12): p2726-31.

Adenoid cystic carcinoma and mucoepidermoid carcinoma of the maxillary sinus: report of a 44-year experience of 25 cases from a single institution.

da Cruz Perez DE; Pires FR, et al.

J Oral Maxillofac Surg 2006 Nov;64(11): p1592-7.

Central adenoid cystic carcinoma of the mandible: case report and literature review of 16 cases.

Al-Sukhun J; Lindqvist C, et al.

Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2006 Mar;101(3): p304-8.

Case No. 7, Accession No. 18785

September 2013

Long Beach (Long Beach VA) - Paranglioma
Oakland (Alameda County Medical Center) - Carotid body paraganglioma
Orinda (Kaiser Permanente) - Paranglioma
San Diego (Naval Medical Center) - Paranglioma
Woodland Hills (Kaiser Permanente) - Paranglioma
Arkansas (Associated Pathologists Laboratory) - Paranglioma (carotid body tumor)
Colorado (Metropolitan Pathologists) - Carotid body paraganglioma
Delaware, Newark - Paranglioma
Florida (Gastro Enterology Associates of Ocala) - Paranglioma, carotid body
Florida (Jackson Memorial) - Paranglioma
Florida (Memorial Regional Hospital) - Paranglioma
Florida (University of Florida) - Paranglioma
Georgia, Atlanta - Paranglioma
Georgia (Wellstar Medical Group) - Paranglioma (3)
Illinois (Heartland Regional Medical Center) - Paranglioma
Illinois (Northwestern University) - Paranglioma
Illinois, Oak Brook - Paranglioma
Kansas (Peterson Laboratory Services) - Paranglioma (2)
Massachusetts (University of Massachusetts Medical Center Residents) - Paranglioma
Michigan (University of Michigan) - Paranglioma
Michigan (William Beaumont Hospital) - Carotid body paraganglioma
Nebraska (Creighton University Medical Center) - Carotid body paraganglioma
New York (St. Lukes Roosevelt Hospital) - Paranglioma
New York (SUNY Downstate) - Paranglioma, carotid body
North Carolina, Wilson - Pheochromocytoma
Ohio (Cleveland Clinic) - Paranglioma (1); Carotid paraganglioma (1)
Ohio (Summa Health System Residents) - Paranglioma
Pennsylvania (Residents of Huhnemann University Hospital) - Paranglioma
Puerto Rico (University of Puerto Rico) - Paranglioma
South Carolina (Medical University of South Carolina Residents) - Paranglioma
Texas (Baylor University Medical Center) - Paranglioma
Texas (Crystal Beach) - Paranglioma, carotid body
Texas, Lubbock - Carotid body tumor
Texas, Victoria - Paranglioma
Washington (Seattle VAMC) - Carcinoid body tumor
Wisconsin (Medical College of Wisconsin) - Paranglioma
Australia (Royal Hobart Hospital) - Bilateral paragangliomas
Australia (The Western Hospital) - Paranglioma
Canada (Pasqua Hospital) - Paranglioma
Canada (University de Sherbrooke) - Paranglioma
Ireland (Bon Secours Hospital, Tralee) - Carotid body paraganglioma
Ireland (Kerry General Hospital) - Paranglioma (chemodectoma)
Japan (Asahi General Hospital) - Paranglioma
Japan (Setagaya-Ku) - Paranglioma
Japan (University of Yamanashi) - Paranglioma
Japan (Wakayama Medical University) - Paranglioma
Oman (Khoula Hospital) - Paranglioma (carotid body tumor)

Saudi Arabia (King Khalid University Hospital) - Carotid body tumor, paraganglioma
Spain (Hospital Xeral de Vigo) - Paraganglioma
United Kingdom (John Radcliffe Hospital) - Paraganglioma

Case 7 - Diagnosis:

Paraganglioma, carotid body (carotid body tumor), neck

Case 7 - References:

Bilateral carotid body paraganglioma.

Choong NW; Miles JM.

Mayo Clin Proc 2004 May;79(5): p681.

Carotid body tumor: review of the literature and report of a case with a rare sensorineural symptomatology.

Athanasίου A; Liappis CD, et al.

J Oral Maxillofac Surg 2007 Jul;65(7): p1388-93.

Bilateral carotid body tumor diagnosed on cytology.

Jayaram G; Kaliaperumal S; Kumar G

Acta Cytol 2005 Nov-Dec;49(6): p690-2.

Paraganglioma: carotid body tumor.

Wieneke JA; Smith A.

Head Neck Pathol 2009 Dec;3(4): p303-6.

Bilateral carotid body tumor: the role of fine-needle aspiration biopsy in the preoperative diagnosis.

Rosa M; Sahoo S.

Diagn Cytopathol 2008 Mar;36(3): p178-80.

Cytomorphologic spectrum in paraganglioma.

Varma K; Jain S; Mandal S.

Acta Cytol 2008 Sep-Oct;52(5): p549-56.

Case No. 8, Accession No. 30581

September 2013

Long Beach (Long Beach VA) - Angiofibroma

Oakland (Alameda County Medical Center) - Olfactory neuroblastoma (5)

Orinda (Kaiser Permanente) - Glomangiopericytoma

San Diego (Naval Medical Center) - Glomangiopericytoma

Woodland Hills (Kaiser Permanente) - Glomangiopericytoma

Arkansas (Associated Pathologists Laboratory) - Glomangiopericytoma

Colorado (Metropolitan Pathologists) - Glomangiopericytoma

Delaware, Newark - Sinonasal hemangiopericytoma

Florida (Gastro Enterology Associates of Ocala) - Solitary fibrous tumor

Florida (Jackson Memorial) - Glomangiopericytoma (sinonasal type hemangiopericytoma)

Florida (Memorial Regional Hospital) - Glomangiopericytoma

Florida (University of Florida) - Hemangiopericytoma

Georgia, Atlanta - Sinonasal glomangiopericytoma

Georgia (Wellstar Medical Group) - Vascular tumor (1) Kaposi sarcoma or (2) Hemangiopericytoma, sinonasal type (2); Glomangiopericytoma (1)

Illinois (Heartland Regional Medical Center) - Nasal glomangiopericytoma

Illinois (Northwestern University) - Sinonasal hemangiopericytoma

Illinois, Oak Brook - Nasal glomangiopericytoma

Kansas (Peterson Laboratory Services) - Hemangiopericytoma, sinonasal type (2)

Massachusetts (University of Massachusetts Medical Center Residents) - Glomangiopericytoma
Michigan (University of Michigan) - Sinonasal-type hemangiopericytoma
Michigan (William Beaumont Hospital) - Glomangiopericytoma
Nebraska (Creighton University Medical Center) - Sinonasal hemangiopericytoma
New York (St. Lukes Roosevelt Hospital) - Glomangiopericytoma
New York (SUNY Downstate) - Sinonasal hemangiopericytoma
North Carolina, Wilson - Hemangiopericytoma
Ohio (Cleveland Clinic) - Glomangiopericytoma (2)
Ohio (Summa Health System Residents) - Lobular capillary hemangioma
Pennsylvania (Residents of Huhnemann University Hospital) - Hemangiopericytoma
Puerto Rico (University of Puerto Rico) - Glomangiopericytoma
South Carolina (Medical University of South Carolina Residents) - Glomangiopericytoma
Texas (Baylor University Medical Center) - Sinonasal type hemangiopericytoma
Texas (Crystal Beach) - Hemangiopericytoma
Texas, Lubbock - Angiosarcoma
Texas, Victoria - SFT
Washington (Seattle VAMC) - Endocrine epithelial neoplasm
Wisconsin (Medical College of Wisconsin) - Glomangiopericytoma
Australia (Royal Hobart Hospital) - Hemangiopericytoma-like tumor os nasal passages
Australia (The Western Hospital) - Sinonasal hemangiopericytoma
Canada (Pasqua Hospital) - Glomangiopericytoma
Canada (University de Sherbrooke) - Glomangiopericytoma
Ireland (Bon Secours Hospital, Tralee) - Sinonasal-type hemangiopericytoma
Ireland (Kerry General Hospital) - Olfactory neuroblastoma
Japan (Asahi General Hospital) - Glomangiopericytoma
Japan (Setagaya-Ku) - Hemangioma
Japan (University of Yamanashi) - Meningioma
Japan (Wakayama Medical University) - Sinonasal-type hemangiopericytoma
Oman (Khoula Hospital) - Glomangiopericytoma (sinonasal type hemangiopericytoma)
Saudi Arabia (King Khalid University Hospital) - Hemangiopericytoma, sinonasal type
Spain (Hospital Xeral de Vigo) - Glomangiopericytoma (sinonasal-type hemangiopericytoma)
United Kingdom (John Radcliffe Hospital) - Sinonasal hemangiopericytoma/glomangiopericytoma

Case 8 - Diagnosis:

Glomangiopericytoma (sinonasal-type hemangiopericytoma), sinonasal tract

Consultation: Lester Thompson, MD: “Glomangiopericytoma (sinonasal-type hemangiopericytoma), sinonasal tract”

Case 8 - References:

Striking pathology gold: a singular experience with daily reverberations: sinonasal hemangiopericytoma (glomangiopericytoma) and oncogenic osteomalacia.

Brandwein-Gensler M; Siegal GP.

Head Neck Pathol 2012 Mar;6(1): p64-74.

Glomangiopericytoma of the nasal cavity.

Higashi K; Nakaya K, et al.

Auris Nasus Larynx 2011 Jun;38(3): p415-7.

Sinonasal glomangiopericytoma: case report with emphasis on the differential diagnosis.

Dandekar M; McHugh JB.

Arch Pathol Lab Med 2010 Oct;134(10): p1444-9.

Cutaneous glomangiopericytoma on the tip of the nose..

Lee YB; Lee KJ, et al.

Acta Derm Venereol 2011 May;91(3): p375-6.

Case No. 9, Accession No. 21818

September 2013

Long Beach (Long Beach VA) - Involvement by non Hodgkin lymphoma
Oakland (Alameda County Medical Center) - Lymphoma, favor MALToma
Orinda (Kaiser Permanente) - Lymphoma, possible MALT
San Diego (Naval Medical Center) - Marginal zone lymphoma, NOS
Woodland Hills (Kaiser Permanente) - Extranodal marginal zone B-cell lymphoma
Arkansas (Associated Pathologists Laboratory) - Marginal zone B-cell lymphoma
Colorado (Metropolitan Pathologists) - Extranodal marginal zone B-cell lymphoma
Delaware, Newark - Lymphoepithelial sialadenitis, rule out lymphoma
Florida (Gastro Enterology Associates of Ocala) - Malignant lymphoepithelial lesion
Florida (Jackson Memorial) - Extranodal marginal zone B-cell lymphoma of salivary gland
Florida (University of Florida) - Lymphoma
Georgia, Atlanta - MALT lymphoma
Georgia (Wellstar Medical Group) - Lymphoepithelial-like carcinoma (2); Extranodal marginal zone lymphoma of mucosa-associated lymphoid tissue (1)
Illinois (Heartland Regional Medical Center) - Lymphoepithelial sialadenitis
Illinois (Northwestern University) - Chronic sialadenitis with lymphoepithelial lesions
Illinois, Oak Brook - Lymphoepithelial lesion
Kansas (Peterson Laboratory Services) - MALT (2)
Massachusetts (University of Massachusetts Medical Center Residents) - Benign lymphoepithelial lesion
Michigan (University of Michigan) - Extranodal marginal zone lymphoma of mucosa associated lymphoid tissue (MALT lymphoma)
Michigan (William Beaumont Hospital) - Benign lymphoepithelial lesion
Nebraska (Creighton University Medical Center) - Lymphoepithelial sialadenitis
New York (St. Lukes Roosevelt Hospital) - Lymphoepithelial lesion and chronic sialadenitis vs. lymphoma
New York (SUNY Downstate) - Extranodal marginal zone lymphoma
North Carolina, Wilson - Extranodal marginal zone lymphoma
Ohio (Cleveland Clinic) - Lymphoepithelial sialadenitis (1); MALT lymphoma (1)
Ohio (Summa Health System Residents) - MALT lymphoma
Pennsylvania (Residents of Huhnmann University Hospital) - MALT lymphoma
Puerto Rico (University of Puerto Rico) - Marginal zone lymphoma (MALTOMA)
South Carolina (Medical University of South Carolina Residents) - Lymphoepithelial carcinoma
Texas (Baylor University Medical Center) - Extranodal marginal zone B-cell lymphoma
Texas (Crystal Beach) - Lymphoma arising within lymphoepithelial lesion
Texas, Lubbock - Lymphoepithelial carcinoma
Texas, Victoria - L-E sialadenitis, rule out malignant, transformation
Washington (Seattle VAMC) - Lymphoepithelioma
Wisconsin (Medical College of Wisconsin) - Extranodal marginal zone lymphoma (MALT lymphoma)
Australia (Royal Hobart Hospital) - MALT lymphoma
Australia (The Western Hospital) - Monotonous lymphoid population favoring med size cell non-Hodgkin lymphoma
Canada (Pasqua Hospital) - MALT lymphoma
Canada (University de Sherbrooke) - MALT lymphoma
Ireland (Bon Secours Hospital, Tralee) - MALT lymphoma
Ireland (Kerry General Hospital) - MALT-type lymphoma
Japan (Asahi General Hospital) - Extra nodal marginal zone B-cell lymphoma
Japan (Setagaya-Ku) - Non Hodgkin lymphoma
Japan (University of Yamanashi) - Extranodal marginal zone lymphoma
Japan (Wakayama Medical University) - Extranodal marginal zone B-cell lymphoma
Oman (Khoula Hospital) - Lymphoepithelial lesion with areas of lymphoma
Saudi Arabia (King Khalid University Hospital) - Extranodal marginal zone B-cell lymphoma

Spain (Hospital Xeral de Vigo) - MALT lymphoma

United Kingdom (John Radcliffe Hospital) - Lymphoepithelial sialadenitis (Mikulicz disease)

Case 9 - Diagnosis:

Lymphoepithelial lesions and sialadenitis with questionable lymphomatous transformation, parotid

Director's note: Paperwork from this 1976 case, indicated that the patient had Sjogren Disease. (drc)

Case 9 - References:

Lymphoepithelial carcinoma of the parotid gland: is an association with Epstein-Barr virus possible in non-endemic areas?

Manganaris A; Patakiouta F, et al.

Int J Oral Maxillofac Surg 2007 Jun;36(6): p556-9.

Thymic hyperplasia with lymphoepithelial sialadenitis (LESA)-like features: a clinicopathologic and immunohistochemical study of 4 cases.

Weissferdt A; Moran CA.

Am J Clin Pathol 2012 Dec;138(6): p816-22.

HIV-unrelated benign lymphoepithelial cyst of the parotid glands containing lymphoepithelial lesion--like structures: a report of 3 cases.

Kojima M; Nakamura N, et al.

Int J Surg Pathol 2009 Dec;17(6): p421-5.

Clinical and imaging findings of lymphoma in patients with Sjogren syndrome.

Tonami H; Matoba M, et al.

J Comput Assist Tomogr 2003 Jul-Aug;27(4): p517-24.

Immunohistopathology of Sjogren's syndrome.

Kontinen YT; Porola P, et al.

Autoimmun Rev 2006 Nov;6(1): p16-20.

Clinical and prognostic characteristics of 573 cases of primary Sjogren's syndrome.

Lin DF; Yan SM, et al.

Chin Med J (Engl) 2010 Nov;123(22): p3252-7.

Case No. 10, Accession No. 25082

September 2013

Long Beach (Long Beach VA) - Malignant spindle cell neoplasm, NOS

Oakland (Alameda County Medical Center) - Follicular dendritic cell sarcoma (5)

Orinda (Kaiser Permanente) - Undifferentiated carcinoma vs. sarcoma

San Diego (Naval Medical Center) - Follicular dendritic cell sarcoma

Woodland Hills (Kaiser Permanente) - Monophasic synovial sarcoma

Arkansas (Associated Pathologists Laboratory) - Benign epithelioid neoplasm

Colorado (Metropolitan Pathologists) - Poorly differentiated synovial sarcoma

Delaware, Newark - MPNST

Florida (Gastro Enterology Associates of Ocala) - Neuroendocrine carcinoma

Florida (Jackson Memorial) - Malignant meningioma

Florida (Memorial Regional Hospital) - Synovial sarcoma

Florida (University of Florida) - Spindle cell lesion, favor malignant

Georgia, Atlanta - Spindle cell tumor with thymus-like differentiation (SETTLE)

Georgia (Wellstar Medical Group) - Metastatic melanoma (2); Dermatopathic lymphadenopathy (1)

Illinois (Heartland Regional Medical Center) - Sarcoma, NOS

Illinois (Northwestern University) - Low grade sarcoma
Illinois, Oak Brook - Sarcoma
Kansas (Peterson Laboratory Services) - MPNST (2)
Massachusetts (University of Massachusetts Medical Center Residents) - Monophasic synovial sarcoma
Michigan (University of Michigan) - Follicular dendritic cell sarcoma
Michigan (William Beaumont Hospital) - Synovial sarcoma
Nebraska (Creighton University Medical Center) - Monophasic synovial sarcoma
New York (St. Lukes Roosevelt Hospital) - Malignant spindle cell neoplasm, dendritic cell sarcoma in differential
New York (SUNY Downstate) - Follicular dendritic cell sarcoma
North Carolina, Wilson - Follicular dendritic cell sarcoma
Ohio (Cleveland Clinic) - Follicular dendritic cell sarcoma (2)
Ohio (Summa Health System Residents) - Cellular neurothekeoma
Pennsylvania (Residents of Huhnemann University Hospital) - Squamous cell carcinoma, spindle cell variant
Puerto Rico (University of Puerto Rico) - Dendritic cell tumor, NOS
South Carolina (Medical University of South Carolina Residents) - Spindle cell neoplasm
Texas (Baylor University Medical Center) - Follicular dendritic cell sarcoma
Texas (Crystal Beach) - Meningioma ectopic
Texas, Lubbock - Synovial sarcoma
Texas, Victoria - Undifferentiated malignant
Washington (Seattle VAMC) - Meningioma
Wisconsin (Medical College of Wisconsin) - Follicular dendritic cell sarcoma
Australia (Royal Hobart Hospital) - Follicular dendritic cell sarcoma
Australia (The Western Hospital) - Atypical plexiform neoplasm favoring cellular neurothekoma (differential dx: plexiform fibrohistiocytic tumor)
Canada (Pasqua Hospital) - Follicular dendritic cell sarcoma
Canada (University de Sherbrooke) - Follicular dendritic sarcoma
Ireland (Bon Secours Hospital, Tralee) - Myopericytoma
Ireland (Kerry General Hospital) - Type A, thymoma
Japan (Asahi General Hospital) - Salivary duct carcinoma
Japan (Setagaya-Ku) - Meningioma
Japan (University of Yamanashi) - Sarcoma
Japan (Wakayama Medical University) - Undifferentiated high-grade pleomorphic sarcoma, possible synovial sarcoma
Oman (Khoula Hospital) - Thymic carcinoma
Saudi Arabia (King Khalid University Hospital) - Myoepithelial carcinoma
Spain (Hospital Xeral de Vigo) - Malignant spindle cell neoplasm
United Kingdom (John Radcliffe Hospital) - Kaposi sarcoma and ? incidental adjacent HIV lymphadenopathy

Case 10 - Diagnosis:

Malignant spindle cell neoplasm, favor follicular dendritic cell sarcoma, neck

Director's note: This tumor doesn't seem to fit into our classic catalogue of tumors! We've seen several dendritic cell tumors, and I believe that this is probably a variant. Thymic origin is intriguing and very possible. (drc)

Case 10 - References:

Cytomorphology, ultrastructural, and cytogenetic findings in follicular dendritic cell sarcoma: a case report.

Wang XI; Zhang S, et al..

Acta Cytol 2010 Sep-Oct;54(5 Suppl): p759-63.

Follicular dendritic cell sarcoma of the neck: case report and review of current diagnostic and management strategies.

Amiri-Kordestani L; Priebat D; Chia SH.

Ear Nose Throat J 2010 Jul;89(7): pE14-7.

Follicular dendritic cell sarcoma/tumor: 2 cases of a rare tumor of difficult clinical and pathological diagnosis.
Romero-Guadarrama MB; Reyes-Posada O, et al.
Ann Diagn Pathol 2009 Aug;13(4): p257-62.

Extranodal follicular dendritic cell sarcoma.
Youens KE; Waugh MS.
Arch Pathol Lab Med 2008 Oct;132(10): p1683-7.

Synuclein is a promising new marker for staining reactive follicular dendritic cells, follicular dendritic cell sarcoma, Kaposi sarcoma, and benign and malignant vascular tumors.
Zhang H; Maitta RW, et al.
Am J Surg Pathol 2011 Dec;35(12): p1857-65.