



CALIFORNIA
TUMOR TISSUE REGISTRY

HEAD AND NECK PATHOLOGY

Minutes – Subscription A

January 2011



SUGGESTED READING (General Topics from Recent Literature):

Acinic cell carcinoma of minor salivary glands: a clinicopathologic study of 21 cases. *J Oral Maxillofac Surg* 2010; Sep;68(9): p2053-7. Omlie JE; Koutlas IG.

Mammary analogue secretory carcinoma of salivary glands, containing the ETV6-NTRK3 fusion gene: a hitherto undescribed salivary gland tumor entity. *Am J Surg Pathol* 2010; May;34(5): p599-608. Skalova A; Vanecek T, et al.

Cytological features of cystadenocarcinoma in cyst fluid of the parotid gland: Diagnostic pitfalls and literature review. *Diagn Cytopathol* 2010; May;38(5): p377-81. Kawahara A; Harada H; Mihashi H; Akiba J; Kage M.

Warthin's tumor distribution within the parotid gland. A feasible etiologic source from lymph nodal tissue. *Minerva Stomatol* 2010; May;59(5): p245-9, 250-2. Colella G; Biondi P; Itró A; Compilato D; Campisi G.

Dermoid cyst of the parotid gland. *Otolaryngol Head Neck Surg* 2010; May;142(5): p768-9. Seo ST; Yoon YH.

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FILE DIAGNOSES

CTTR Subscription A

January 2011

Case 1:

Sebaceous adenoma/lymphadenoma, cystic variant, parotid
T-55100, M-84100

Case 2:

Monomorphic adenoma (basal cell), parotid
T-55100, M-81460

Case 3:

Low grade salivary gland neoplasm most consistent with atypical pleomorphic adenoma, parotid
(cannot rule out low grade mucoepidermoid carcinoma)
T-55120, M-89400

Case 4:

High grade myoepithelial carcinoma, parotid
T-55120, M-89820

Case 5:

Oncocytoma, parotid
T-55100, M-82900

Case 6:

Squamous cell carcinoma, parotid/ear
T-55100, M-80703

Case 7:

Parathyroid adenocarcinoma
T-96000, M-80103

Case 8:

Cavernous hemangioma, submaxillary gland
T-55300, M-91210

Case 9:

Sinonasal meningioma, nose
T-21000, M-95300

Case 10:

Ameloblastoma, mandible
T-10180, M-93100

Glendale - Sebaceous lymphadenoma
Hayward (St. Rose Hospital) - Warthin tumor
Long Beach (Long Beach Veterans Hospital) - Sebaceous lymphadenoma (8)
Oakland (Alameda County Medical Center) - Sebaceous lymphadenoma
Orange (Orange County Pathology Medical Group) - Warthin tumor
Sacramento (UCDMC) - Sebaceous adenoma
San Diego (Naval Medical Center) - Sebaceous lymphadenoma
Fontana (Kaiser Permanente) - Warthin tumor
Santa Barbara (Miramonte Laboratories) - Warthin tumor
Oxnard (St. John's Regional Medical Center) - Warthin tumor with squamous and sebaceous metaplasia (2); Warthin tumor (1)
Arkansas (Associated Pathologists Laboratory) - Sebaceous lymphadenoma
Colorado (University of Colorado) - Sebaceous lymphadenoma
Florida (Munroe Regional Medical Center) - Warthin tumor
Florida (Gastroenterology Associates of Ocala) - Lymph-epithelial lesion, benign
Florida (Naples Pathology Associates) - Warthin tumor
Georgia, Atlanta - Sebaceous lymphadenoma
Georgia (Emory University) - Papillary cystadenoma lymphomatosum (Warthin tumor)
Illinois, Chicago - Sebaceous adenoma (1) Warthin tumor (1)
Illinois (Heartland Regional Medical Center) - Sebaceous lymphadenoma
Illinois (Memorial Medical Center) - Sebaceous lymphadenoma
Illinois, Oak Brook - Warthin tumor
Maryland (University of Maryland) - Sebaceous lymphadenoma
Massachusetts (BWH-Pathology) - Warthin tumor
Massachusetts, Peabody - Sebaceous lymphadenoma
Massachusetts (University of Massachusetts) - Cystic sebaceous lymphadenoma, parotid
Michigan, Caledonia - Sebaceous lymphadenoma, salivary gland
Michigan (Pathology Consultants of Port Huron, PC) - Sebaceous lymphadenoma
Minnesota (Fairview Ridges Hospital) - Sebaceous lymphadenoma
Missouri (Missouri Delta Medical Center) - Warthin tumor (2)
Missouri (St. Luke's Hospital) - Sebaceous lymphadenoma
Nebraska (Creighton University Medical Center) - Sebaceous lymphadenoma
New York (Buffalo General Hospital) - Sebaceous lymphadenoma
New York (Erie County Medical Center) - Cystic sebaceous lymphadenoma
New York (Staten Island University Hospital) - Sebaceous adenoma/lymphadenoma
New York (SUNY Downstate Medical Center) - Sebaceous lymphadenoma
New York (SUNY Stony Brook University Hospital) - Sebaceous lymphadenoma
New York (Westchester Medical Center) - Warthin tumor with sebaceous diff vs. sebaceous lymphadenoma
North Carolina (North Carolina Baptist Hospital) - Sebaceous lymphadenoma
Ohio, Columbus - Warthin tumor
Ohio (University of Toledo Medical Center) - Sebaceous lymphadenoma
Ohio, Union Town - Warthin tumor
Pennsylvania (Conemaugh Valley Memorial Hospital) - Sebaceous lymphadenoma
Pennsylvania (Drexel University School of Medicine) - Warthin tumor
Pennsylvania (Magee Women's Hospital) - Sebaceous lymphadenoma
Puerto Rico (University of Puerto Rico) - Sebaceous lymphadenoma/Warthin tumor
Texas (Carl R. Darnell Army Medical Center) - Cystic sebaceous lymphadenoma
Texas, Crystal Beach - Benign lymphoepithelial lesion
Texas, Houston - Warthin tumor
Texas (Scott & White Memorial Hospital) - Warthin tumor
Texas, Lubbock - Warthin tumor
Virginia, Falls Church - Sebaceous lymphadenoma
Washington (Seattle VAMC) - Warthin tumor consistent with sebaceous ? differentiation
West Virginia (Greenbrier Valley Medical Center) - Cystadenoma lymphoepithelial
Wisconsin (Medical Assessment and Consultation) - Benign lymphoepithelial cyst

Australia (St. Vincent's Hospital, Sydney) - Sebaceous lymphadenoma, parotid
Canada (Pasqua Hospital) - Sebaceous lymphadenoma
Canada (Saint-Antoine/Richenen) - Sebaceous lymphadenoma
Canada (University of Sherbrooke) - Sebaceous lymphadenoma
Ireland (Kerry General Hospital) - Warthin tumor
Ireland (University Hospital Galway) - Sebaceous adenoma
Japan (Aichi Medical University) - Cystic sebaceous lymphadenoma
Japan (Asahi General Hospital) - Warthin tumor (1); Sebaceous lymphadenoma (1)
Japan (Lions Mansion Nijyo) - Sebaceous lymphadenoma
Japan, Setagaya-ku - Sebaceous lymphadenoma
Japan (University of Yamanashi) - Lymphadenoma, sebaceous type
Oman (Khoula Hospital) - Sebaceous lymphadenoma
Saudi Arabia (King Khalid University Hospital) - Sebaceous adenoma/lymphadenoma
Singapore (Freelance/Locum Practice) - Sebaceous lymphadenoma
Singapore (Singapore General Hospital) - Warthin tumor
United Kingdom (John Radcliffe Hospital) - Sebaceous lymphadenoma

Case 1 - Diagnosis:

Sebaceous adenoma/lymphadenoma, cystic variant, parotid
 T-55100, M-84100

Case 1 - References:

Acinic cell carcinoma of minor salivary glands: a clinicopathologic study of 21 cases. Omlie JE; Koutlas IG. *J Oral Maxillofac Surg* 2010 Sep;68(9): p2053-7.

 Mammary analogue secretory carcinoma of salivary glands, containing the ETV6-NTRK3 fusion gene: a hitherto undescribed salivary gland tumor entity. Skalova A; Vanecek T. *Am J Surg Pathol* 2010; May;34(5): p599-608.

 Cytological features of cystadenocarcinoma in cyst fluid of the parotid gland: Diagnostic pitfalls and literature review. Kawahara A; Harada H. *Diagn Cytopathol* 2010; May;38(5): p377-81.

 Warthin's tumor distribution within the parotid gland. A feasible etiologic source from lymph nodal tissue. Colella G; Biondi P. *Minerva Stomatol* 2010; May;59(5): p245-9, 250-2.

 Dermoid cyst of the parotid gland. Seo ST; Yoon YH. *Otolaryngol Head Neck Surg* 2010; May;142(5): p768-9.

Case No. 2, Accession No. 31201

January 2011

Glendale - Epithelial-myoepithelial carcinoma
Hayward (St. Rose Hospital) - Epithelial-myoepithelial carcinoma
Long Beach (Long Beach Veterans Hospital) - Basal cell adenoma (8)
Oakland (Alameda County Medical Center) - Basal cell adenoma
Orange (Orange County Pathology Medical Group) - Basal cell adenoma
Sacramento (UCDMC) - Myoepithelioma with hyalinizing stroma
San Diego (Naval Medical Center) - Adenocarcinoma, not specified
Fontana (Kaiser Permanente) - Myoepithelial carcinoma
Santa Barbara (Miramonte Laboratories) - Basal cell adenoma
Oxnard (St. John's Regional Medical Center) - Adenocarcinoma (3)
Arkansas (Associated Pathologists Laboratory) - Myoepithelioma
Colorado (University of Colorado) - Epithelial myoepithelial carcinoma
Florida (Munroe Regional Medical Center) - Basal cell adenoma
Florida (Gastroenterology Associates of Ocala) - Basal cell adenoma
Florida (Naples Pathology Associates) - Basal cell adenoma

Georgia, Atlanta - Basal cell monomorphic adenoma
Georgia (Emory University) - Epithelial-myoepithelial carcinoma
Illinois, Chicago - Basal cell adenoma (2)
Illinois (Heartland Regional Medical Center) - Adenocarcinoma, Nos
Illinois (Memorial Medical Center) - Adenocarcinoma, Nos
Illinois, Oak Brook - Tubular adenoma
Maryland (University of Maryland) - Basal cell adenoma, membranous type
Massachusetts (BWH-Pathology) - Basal cell adenoma
Massachusetts, Peabody - Oncocytoma, parotid
Massachusetts (University of Massachusetts) - Basal cell adenocarcinoma
Michigan, Caledonia - Basal cell adenoma, right parotid gland
Michigan (Pathology Consultants of Port Huron, PC) - Low grade adenocarcinoma
Minnesota (Fairview Ridges Hospital) - Adenocarcinoma, Nos
Missouri (Missouri Delta Medical Center) - Acinic cell carcinoma (2)
Missouri (St. Luke's Hospital) - Myoepithelioma
Nebraska (Creighton University Medical Center) - Basal cell adenoma
New York (Buffalo General Hospital) - Myoepithelioma, clear cell type
New York (Erie County Medical Center) - Basal cell adenoma
New York (Staten Island University Hospital) - Ductal carcinoma of parotid gland
New York (SUNY Downstate Medical Center) - Epithelial myoepithelial carcinoma, monomorphic adenoma
New York (SUNY Stony Brook University Hospital) - Basal cell adenoma
New York (Westchester Medical Center) - Epithelial myoepithelial carcinoma
North Carolina (North Carolina Baptist Hospital) - Epithelial-myoepithelial carcinoma
Ohio, Columbus - Myoepidermoid carcinoma
Ohio (University of Toledo Medical Center) - Basal cell adenoma
Ohio, Union Town - Basal cell adenoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Acinic cell carcinoma
Pennsylvania (Drexel University School of Medicine) - Basal cell adenoma
Pennsylvania (Magee Women's Hospital) - Monomorphic adenoma
Puerto Rico (University of Puerto Rico) - Myoepithelial carcinoma
Texas (Carl R. Darnell Army Medical Center) - Basal cell adenoma, trabecular
Texas, Crystal Beach - Adenocarcinoma, salivary gland, possibly acinic cell
Texas, Houston - Canicular adenoma
Texas (Scott & White Memorial Hospital) - Epithelial-myoepithelial carcinoma
Texas, Lubbock - Acinic carcinoma
Virginia, Falls Church - Basal cell adenoma
Washington (Seattle VAMC) - Monomorphic adenoma
West Virginia (Greenbrier Valley Medical Center) - Sebaceous adenoma
Wisconsin (Medical Assessment and Consultation) - Basal cell adenoma
Australia (St. Vincent's Hospital, Sydney) - Parotid, basal cell adenocarcinoma
Canada (Pasqua Hospital) - Basal cell adenocarcinoma
Canada (Saint-Antoine/Richenen) - Basal cell adenoma
Canada (University of Sherbrooke) - Adenoma vs. myoepithelioma
Ireland (Kerry General Hospital) - Basal cell adenoma
Ireland (University Hospital Galway) - Adenoid cystic carcinoma, solid variant
Japan (Aichi Medical University) - Adenocarcinoma, Nos
Japan (Asahi General Hospital) - Myoepithelioma (1); Basal cell adenocarcinoma (1)
Japan (Lions Mansion Nijyo) - Adenocarcinoma, not otherwise specified, parotid
Japan, Setagaya-ku - Basal cell adenoma
Japan (University of Yamanashi) - Epithelial-myoepithelial carcinoma
Oman (Khoula Hospital) - Basal cell adenoma
Saudi Arabia (King Khalid University Hospital) - Basal cell adenoma
Singapore (Freelance/Locum Practice) - Basal cell adenocarcinoma
Singapore (Singapore General Hospital) - Basal cell adenocarcinoma
United Kingdom (John Radcliffe Hospital) - Basal cell adenocarcinoma

Case 2 - Diagnosis:

Monomorphic adenoma (basal cell), parotid
T-55100, M-81460

Case 2 - References:

Basal cell adenoma of the parotid gland: a clinicopathological study of nine cases --basal cell adenoma versus pleomorphic adenoma and Warthin's tumor. Kawata R; Yoshimura K, et cet. *Eur Arch Otorhinolaryngol* 2010; May;267(5): p779-83.

Bilateral parotid basal cell adenoma: an unusual case report and review of the literature. Junquera L; Gallego L. et ect. *J Oral Maxillofac Surg* 2010; Jan;68(1): p179-82.

The pattern of presentation of salivary gland tumors in Africa: A review of published reports. Yaor MA. *Ear Nose Throat J* 2010; Feb;89(2): pE17-21.

Rare case of basal cell adenoma in the nasal cavity. Bae CH; Kim YS; Song SY; Kim YD. *J Otolaryngol Head Neck Surg* 2010; Apr;39(2): pE4-5.

[Salivary gland stem cells : Can they restore radiation-induced salivary gland dysfunction?]. Rotter N; Schwarz S; Jakob M; Brandau S; Wollenberg B; Lang S. *HNO* 2010; Jun;58(6): p556-63.

Case No. 3, Accession No. 30629

January 2011

Glendale - Mucoepidermoid carcinoma

Hayward (St. Rose Hospital) - Oncocytic carcinoma, high grade

Long Beach (Long Beach Veterans Hospital) - Mucoepidermoid carcinoma (8)

Oakland (Alameda County Medical Center) - Mucoepidermoid carcinoma

Orange (Orange County Pathology Medical Group) - Low grade mucoepidermal carcinoma

Sacramento (UCDMC) - High grade mucoepidermoid carcinoma

San Diego (Naval Medical Center) - Sclerosing polycystic adenosis

Fontana (Kaiser Permanente) - Mucoepidermoid carcinoma, low grade

Santa Barbara (Miramonte Laboratories) - Mucoepidermoid carcinoma

Oxnard (St. John's Regional Medical Center) - Oncocytoma (3)

Arkansas (Associated Pathologists Laboratory) - Mucoepidermoid carcinoma

Colorado (University of Colorado) - Sclerosing polycystic adenosis

Florida (Munroe Regional Medical Center) - Mucoepidermoid carcinoma, low grade

Florida (Gastroenterology Associates of Ocala) - Mucoepidermoid carcinoma in pleomorphic adenoma

Florida (Naples Pathology Associates) - Mucoepidermoid carcinoma

Georgia, Atlanta - Mucoepidermoid carcinoma, low grade

Georgia (Emory University) - Cystadenocarcinoma

Illinois, Chicago - Mucoepidermoid carcinoma (2)

Illinois (Heartland Regional Medical Center) - Sclerosing polycystic adenosis

Illinois (Memorial Medical Center) - Mucoepidermoid carcinoma, low grade sialometaplasia

Illinois, Oak Brook - Pleomorphic adenoma

Maryland (University of Maryland) - Low grade mucoepidermoid carcinoma

Massachusetts (BWH-Pathology) - Mucoepidermoid carcinoma, low grade

Massachusetts, Peabody - Mucoepidermoid carcinoma, parotid

Massachusetts (University of Massachusetts) - Sclerosing polycystic adenosis

Michigan, Caledonia - Mucoepidermoid carcinoma, low grade, left parotid gland

Michigan (Pathology Consultants of Port Huron, PC) - Acinic cell carcinoma

Minnesota (Fairview Ridges Hospital) - Sclerosing polycystic adenosis

Missouri (Missouri Delta Medical Center) - Mucoepidermoid cancer (2)

Missouri (St. Luke's Hospital) - Sebaceous adenocarcinoma

Nebraska (Creighton University Medical Center) - Sclerosing polycystic adenosis

New York (Buffalo General Hospital) - Sebaceous adenoma
New York (Erie County Medical Center) - Mucoepidermoid carcinoma
New York (Staten Island University Hospital) - Oncocytic mucoid epidermoid carcinoma
New York (SUNY Downstate Medical Center) - Mucoepidermoid carcinoma
New York (SUNY Stony Brook University Hospital) - Mucoepidermoid carcinoma
New York (Westchester Medical Center) - Mucoepidermoid carcinoma
North Carolina (North Carolina Baptist Hospital) - Mucoepidermoid carcinoma
Ohio, Columbus - Mucoepidermoid carcinoma
Ohio (University of Toledo Medical Center) - Mucoepidermoid carcinoma
Ohio, Union Town - Mucoepidermoid carcinoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Mucoepidermoid carcinoma, low grade
Pennsylvania (Drexel University School of Medicine) - Mucoepidermoid carcinoma
Pennsylvania (Magee Women's Hospital) - Sclerosing polycystic adenosis
Puerto Rico (University of Puerto Rico) - Mucoepidermoid carcinoma, low grade
Texas (Carl R. Darnell Army Medical Center) - Sclerosing polycystic adenosis
Texas, Crystal Beach - Mucoepidermoid carcinoma
Texas, Houston - Low grade mucoepidermoid carcinoma
Texas (Scott & White Memorial Hospital) - Oncocytoma
Texas, Lubbock - Mucoepidermoid carcinoma
Virginia, Falls Church - Mucoepidermoid carcinoma, low grade
Washington (Seattle VAMC) - Adenocarcinoma
West Virginia (Greenbrier Valley Medical Center) - Mucoepidermoid carcinoma
Wisconsin (Medical Assessment and Consultation) - Salivary duct carcinoma with oncocytic features
Australia (St. Vincent's Hospital, Sydney) - Sclerosing polycystic adenosis, parotid
Canada (Pasqua Hospital) - Polycystic sclerosing adenosis
Canada (Saint-Antoine/Richenen) - Mucoepidermoid carcinoma, low grade
Canada (University of Sherbrooke) - Mucoepidermoid carcinoma
Ireland (Kerry General Hospital) - Mucoepidermoid carcinoma
Ireland (University Hospital Galway) - Mucoepidermoid carcinoma
Japan (Aichi Medical University) - Sclerosing polycystic adenosis
Japan (Asahi General Hospital) - Mucoepidermoid carcinoma (1); Sclerosing polycystic adenosis (1)
Japan (Lions Mansion Nijyo) - Salivary duct carcinoma, parotid
Japan, Setagaya-ku - Mucoepidermoid carcinoma
Japan (University of Yamanashi) - Oncocytic adenoma
Oman (Khoula Hospital) - Mucoepidermoid carcinoma
Saudi Arabia (King Khalid University Hospital) - Mucoepidermoid carcinoma
Singapore (Freelance/Locum Practice) - Mucoepidermoid carcinoma
Singapore (Singapore General Hospital) - Low grade mucoepidermoid carcinoma
United Kingdom (John Radcliffe Hospital) - Sebaceous adenoma

Case 3 - Diagnosis:

Low grade salivary gland neoplasm most consistent with atypical pleomorphic adenoma, parotid (cannot rule out low grade mucoepidermoid carcinoma)

T-55120, M-89400

Consultation: Dr. Mia Perez, Loma Linda: "Low grade salivary gland neoplasm most consistent with atypical pleomorphic adenoma."

Case 3 - References:

Salivary gland neoplasms in oral and maxillofacial regions: a 23-year retrospective study of 6982 cases in an eastern Chinese population. Tian Z; Li L, et al. *Int J Oral Maxillofac Surg* 2010; Mar;39(3): p235-42

Mucoepidermoid carcinoma diagnosed in orthodontic patients. Rocha LA; Brasil Moreira AE, et al. *Am J Orthod Dentofacial Orthop* 2010; Sep;138(3): p349-51

High-grade oncocyctic mucoepidermoid carcinoma of the minor salivary gland origin: a case report with immunohistochemical study. Kwon H; Lim W, et al. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 2010; Jun;109(6): p72-7

Transformation of pleomorphic adenoma to carcinoma ex pleomorphic adenoma of the parotid gland is independent of p53 mutations. Gedlicka C; Item CB, et al. *J Surg Oncol* 2010; Feb 1;101(2): p127-30

Prognostic factors of recurrence in salivary carcinoma ex pleomorphic adenoma, with emphasis on the carcinoma histologic subtype: a clinicopathologic study of 43 cases. Katabi N; Gomez D; Klimstra DS, et al. *Hum Pathol* 2010; Jul;41(7): p927-34

Management of parotid gland surgery in a university teaching hospital. Deneuve S; Quesnel S, et al. *Eur Arch Otorhinolaryngol* 2010; Apr;267(4): p601-5

Case No. 4, Accession No. 30654

January 2011

Glendale - Anaplastic carcinoma

Hayward (St. Rose Hospital) - High grade undifferentiated carcinoma (ex P.A.)

Long Beach (Long Beach Veterans Hospital) - Dedifferentiated adenoid cystic carcinoma (8)

Oakland (Alameda County Medical Center) - Poorly differentiated carcinoma (carcinosarcoma)

Orange (Orange County Pathology Medical Group) - Myoepithelial carcinoma

Sacramento (UCDMC) - Carcinoma, ex-pleomorphic adenoma

San Diego (Naval Medical Center) - Myoepithelial carcinoma

Fontana (Kaiser Permanente) - Malignant mixed tumor

Santa Barbara (Miramonte Laboratories) - High grade carcinoma

Oxnard (St. John's Regional Medical Center) - Adenocarcinoma (2); Malignant mixed, malignant peripheral nerve tumor (1)

Arkansas (Associated Pathologists Laboratory) - Malignant peripheral nerve sheath tumor

Florida (Munroe Regional Medical Center) - Myoepithelial carcinoma

Florida (Gastroenterology Associates of Ocala) - Myoepithelial carcinoma

Florida (Naples Pathology Associates) - High grade mucoepidermoid carcinoma

Georgia, Atlanta - Carcinosarcoma

Georgia (Emory University) - Myoepithelial carcinoma

Illinois, Chicago - Pleomorphic adenoma (2)

Illinois (Heartland Regional Medical Center) - Large cell undifferentiated carcinoma

Illinois (Memorial Medical Center) - Carcinoma ex-pleomorphic carcinoma

Illinois, Oak Brook - Carcinoma, pleomorphic adenoma

Maryland (University of Maryland) - Carcinoma ex-pleomorphic adenoma with myoepithelial features

Massachusetts (BWH-Pathology) - Mucoepidermoid carcinoma, high grade

Massachusetts, Peabody - Lymphoepithelioma-like carcinoma, parotid

Massachusetts (University of Massachusetts) - Myoepithelial carcinoma

Michigan, Caledonia - Malignant granular cell tumor, parotid gland

Michigan (Pathology Consultants of Port Huron, PC) - Carcinosarcoma

Minnesota (Fairview Ridges Hospital) - Sarcomatoid carcinoma

Missouri (Missouri Delta Medical Center) - Sarcoma, Nos (1); Malignant fibrous histiocytoma (1)

Missouri (St. Luke's Hospital) - Adenoid cystic carcinoma

Nebraska (Creighton University Medical Center) - High grade malignancy consistent with anaplastic carcinoma with myoepithelial features

New York (Buffalo General Hospital) - Myoepithelial carcinoma

New York (Erie County Medical Center) - Carcinoma, high grade, arising in pleomorphic adenoma

New York (Staten Island University Hospital) - Malignant mixed tumor

New York (SUNY Downstate Medical Center) - Myoepithelial carcinoma, high grade carcinoma

New York (SUNY Stony Brook University Hospital) - Myoepithelial carcinoma

New York (Westchester Medical Center) - Poorly differentiated carcinoma

North Carolina (North Carolina Baptist Hospital) - Myoepithelial carcinoma
Ohio, Columbus - Poorly differentiated adenocarcinoma
Ohio (University of Toledo Medical Center) - Giant cell carcinoma
Ohio, Union Town - Large cell undifferentiated carcinoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Epithelial myoepithelial carcinoma
Pennsylvania (Drexel University School of Medicine) - Carcinosarcoma
Pennsylvania (Magee Women's Hospital) - Myoepithelial carcinoma
Puerto Rico (University of Puerto Rico) - Carcinoma, Nos
Texas (Carl R. Darnell Army Medical Center) - Myoepithelial carcinoma
Texas, Crystal Beach - Carcinoma, skin adnexal
Texas, Houston - Large cell undifferentiated carcinoma
Texas (Scott & White Memorial Hospital) - Undifferentiated adenoid cystic carcinoma
Texas, Lubbock - Adenocarcinoma, Nos
Virginia, Falls Church - Malignant mixed tumor
Washington (Seattle VAMC) - Salivary carcinoma, high grade growth (giant cell), into skin
West Virginia (Greenbrier Valley Medical Center) - Malignant schwannoma
Wisconsin (Medical Assessment and Consultation) - High grade carcinoma with sarcomatoid features
Australia (St. Vincent's Hospital, Sydney) - Parotid, poorly differentiated carcinoma; DDx: acinic cell carcinoma vs. myoepithelial carcinoma
Canada (Pasqua Hospital) - Large cell undifferentiated carcinoma
Canada (University of Sherbrooke) - Spindle cell carcinoma
Ireland (Kerry General Hospital) - Myoepithelial carcinoma
Ireland (University Hospital Galway) - Undifferentiated carcinoma
Japan (Aichi Medical University) - Large cell undifferentiated carcinoma consistent with myoepithelial diff.
Japan (Asahi General Hospital) - Epithelial myoepithelial carcinoma (1); Dedifferentiated acinic cell adenocarcinoma (1)
Japan (Lions Mansion Nijyo) - Undifferentiated carcinoma (pleomorphic sarcomatoid carcinoma) parotid
Japan, Setagaya-ku - Large cell carcinoma
Japan (University of Yamanashi) - Undifferentiated carcinoma
Oman (Khoula Hospital) - Undifferentiated carcinoma/myoepithelial carcinoma
Saudi Arabia (King Khalid University Hospital) - Poorly differentiated carcinoma of salivary gland origin most probably myoepithelial carcinoma
Singapore (Freelance/Locum Practice) - Pleomorphic carcinoma
Singapore (Singapore General Hospital) - Malignant melanoma
United Kingdom (John Radcliffe Hospital) - Malignant myoepithelioma

Case 4 - Diagnosis:

High grade myoepithelial carcinoma, parotid
 T-55120, M-89820

Consultation: LLUMC, M. Perez, M.D.: "High grade myoepithelial carcinoma."

Case 4 - References:

Myoepithelial carcinoma of the parotid gland metastatic to the kidney: case report and review of the literature.
 Wang Z; Herrington B; Schwartz MR; Laucirica R. *Diagn Cytopathol* 2010; Apr;38(4): p279-82.

Epithelial-myoepithelial carcinoma with myoepithelial anaplasia: report of a case with cytologic findings of a rare variant. Suzuki T; Murata S, et al. *Acta Cytol* 2010; Jul-Aug;54(4): p605-10.

Epithelial-myoepithelial carcinoma with high grade transformation. Roy P; Bullock MJ, et al. *Am J Surg Pathol* 2010; Sep;34(9): p1258-65.

Myoepithelial carcinoma of the salivary glands: a clinicopathologic study of 51 cases in a tertiary cancer center.
 Kane SV; Bagwan IN. *Arch Otolaryngol Head Neck Surg* 2010; Jul;136(7): p702-12.

Clear cell myoepithelial carcinoma of minor salivary gland: a case report. Yang S; Zeng M; Zhang J; Chen X. *Int J Oral Maxillofac Surg* 2010; Mar;39(3): p297-300.

Case No. 5, Accession No. 31011

January 2011

Glendale - Oncocytoma
Hayward (St. Rose Hospital) - Oncocytoma
Long Beach (Long Beach Veterans Hospital) - Oncocytoma (8)
Oakland (Alameda County Medical Center) - Oncocytoma
Orange (Orange County Pathology Medical Group) - Oncocytoma
Sacramento (UCDMC) - Oncocytoma
San Diego (Naval Medical Center) - Oncocytoma
Fontana (Kaiser Permanente) - Oncocytoma
Santa Barbara (Miramonte Laboratories) - Oncocytoma
Oxnard (St. John's Regional Medical Center) - Oncocytoma (3)
Arkansas (Associated Pathologists Laboratory) - Oncocytoma
Colorado (University of Colorado) - Oncocytoma
Florida (Munroe Regional Medical Center) - Oncocytoma
Florida (Gastroenterology Associates of Ocala) - Oncocytoma
Florida (Naples Pathology Associates) - Oncocytoma
Georgia, Atlanta - Oncocytoma
Georgia (Emory University) - Oncocytoma
Illinois, Chicago - Oncocytoma (2)
Illinois (Heartland Regional Medical Center) - Oncocytoma
Illinois (Memorial Medical Center) - Oncocytoma
Illinois, Oak Brook - Oncocytoma
Maryland (University of Maryland) - Oncocytoma
Massachusetts (BWH-Pathology) - Oncocytoma
Massachusetts, Peabody - Oncocytoma (adenoma), parotid
Massachusetts (University of Massachusetts) - Oncocytoma
Michigan, Caledonia - Oncocytoma, salivary gland
Michigan (Pathology Consultants of Port Huron, PC) - Oncocytoma
Minnesota (Fairview Ridges Hospital) - Oncocytoma
Missouri (Missouri Delta Medical Center) - Oncocytoma (2)
Missouri (St. Luke's Hospital) - Oncocytoma
Nebraska (Creighton University Medical Center) - Oncocytoma
New York (Buffalo General Hospital) - Oncocytoma
New York (Erie County Medical Center) - Oncocytoma
New York (Staten Island University Hospital) - Oncocytoma
New York (SUNY Downstate Medical Center) - Oncocytoma
New York (SUNY Stony Brook University Hospital) - Oncocytoma
New York (Westchester Medical Center) - Oncocytoma
North Carolina (North Carolina Baptist Hospital) - Oncocytoma
Ohio, Columbus - Oncocytoma
Ohio (University of Toledo Medical Center) - Oncocytoma
Ohio, Union Town - Oncocytoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Oncocytoma
Pennsylvania (Drexel University School of Medicine) - Oncocytoma
Pennsylvania (Magee Women's Hospital) - Oncocytoma
Puerto Rico (University of Puerto Rico) - Oncocytoma
Texas (Carl R. Darnell Army Medical Center) - Oncocytoma
Texas, Crystal Beach - Oncocytoma
Texas, Houston - Oncocytoma
Texas (Scott & White Memorial Hospital) - Oncocytoma
Texas, Lubbock - Oncocytoma

Virginia (Falls Church) - Oncocytoma
Washington (Seattle VAMC) - Oncocytoma, oncocytic carcinoma
West Virginia (Greenbrier Valley Medical Center) - Oncocytoma
Wisconsin (Medical Assessment and Consultation) - Oncocytoma, benign
Australia (St. Vincent's Hospital, Sydney) - Oncocytoma, parotid
Canada (Pasqua Hospital) - Oncocytoma
Canada (Saint-Antoine/Richemont) - Oncocytoma
Canada (University of Sherbrooke) - Oncocytoma
Ireland (Kerry General Hospital) - Oncocytoma
Ireland (University Hospital Galway) - Oncocytoma
Japan (Aichi Medical University) - Oncocytoma
Japan (Asahi General Hospital) - Oncocytoma (2)
Japan (Lions Mansion Nijo) - Oncocytoma, parotid
Japan, Setagaya-ku - Oncocytoma
Japan (University of Yamanashi) - Oncocytoma
Oman (Khoula Hospital) - Oncocytoma
Saudi Arabia (King Khalid University Hospital) - Oncocytoma
Singapore (Freelance/Locum Practice) - Oncocytoma
Singapore (Singapore General Hospital) - Oncocytoma
United Kingdom (John Radcliffe Hospital) - Oncocytoma

Case 5 - Diagnosis:

Oncocytoma, parotid
 T-55100, M-82900

Case 5 - References:

Intracranial extension of salivary gland tumors. Maiuri F; Gangemi M, et al. *Clin Neuropathol* 2010; Jan-Feb;29(1): p9-13.

 Nonparotid parapharyngeal oncocytoma: a case report and literature review. Barrese JL; Lau S; Chen BT; Maghami E. *Head Neck* 2010; Jun;32(6): p800-5.

 Salivary gland neoplasms in oral and maxillofacial regions: a 23-year retrospective study of 6982 cases in an eastern Chinese population. Tian Z; Li L, et al. *Int J Oral Maxillofac Surg* 2010; Mar;39(3): p235-42.

 Major and minor salivary gland tumors. Guzzo M; Locati LD, et al. *Crit Rev Oncol Hematol* 2010; May;74(2): p134-48.

Case No. 6, Accession No. 30962

January 2011

Glendale - Squamous cell carcinoma
Hayward (St. Rose Hospital) - Salivary duct carcinoma
Long Beach (Long Beach Veterans Hospital) - Mucoepidermoid carcinoma (3); Squamous cell carcinoma (1)
Oakland (Alameda County Medical Center) - Squamous cell carcinoma
Orange (Orange County Pathology Medical Group) - Squamous cell carcinoma
Sacramento (UCDMC) - Adenosquamous carcinoma
San Diego (Naval Medical Center) - Oncocytic carcinoma
Fontana (Kaiser Permanente) - Squamous cell carcinoma
Santa Barbara (Miramonte Laboratories) - Metastatic squamous carcinoma
Oxnard (St. John's Regional Medical Center) - Squamous carcinoma vs. high grade mucoepidermoid (3)
Arkansas (Associated Pathologists Laboratory) - Metastatic squamous cell carcinoma
Colorado (University of Colorado) - Squamous cell carcinoma
Florida (Munroe Regional Medical Center) - Mucoepidermoid carcinoma
Florida (Gastroenterology Associates of Ocala) - Mucoepidermoid carcinoma

Florida (Naples Pathology Associates) - Squamous cell carcinoma
Georgia, Atlanta - Carcinoma, ex-pleomorphic adenoma
Georgia (Emory University) - Acantholytic squamous cell carcinoma
Illinois, Chicago - Adenoid cystic carcinoma (2)
Illinois (Heartland Regional Medical Center) - Squamous cell carcinoma
Illinois (Memorial Medical Center) - Mucoepidermoid carcinoma, high grade
Illinois, Oak Brook - Mucoepidermoid carcinoma, high grade
Maryland (University of Maryland) - High grade mucoepidermoid carcinoma
Massachusetts (BWH-Pathology) - Mucoepidermoid carcinoma (intermediate grade)
Massachusetts, Peabody - Mucoepidermoid carcinoma, parotid
Massachusetts (University of Massachusetts) - Mucoepidermoid carcinoma, high grade
Michigan, Caledonia - Mucoepidermoid carcinoma, high grade, left parotid gland
Michigan (Pathology Consultants of Port Huron, PC) - Mucoepidermoid carcinoma
Minnesota (Fairview Ridges Hospital) - Squamous cell carcinoma
Missouri (Missouri Delta Medical Center) - Squamous cell carcinoma (2)
Missouri (St. Luke's Hospital) - Mucoepidermoid carcinoma
Nebraska (Creighton University Medical Center) - Mucoepidermoid carcinoma
New York (Buffalo General Hospital) - Carcinoma ex-pleomorphic adenoma
New York (Erie County Medical Center) - Carcinosarcoma
New York (Staten Island University Hospital) - Squamous cell carcinoma
New York (SUNY Downstate Medical Center) - Mucoepidermoid carcinoma, high grade carcinoma
New York (SUNY Stony Brook University Hospital) - Adenosquamous carcinoma
New York (Westchester Medical Center) - High grade mucoepidermoid vs. metastatic squamous cell carcinoma
North Carolina (North Carolina Baptist Hospital) - Squamous cell carcinoma
Ohio, Columbus - Salivary duct carcinoma
Ohio (University of Toledo Medical Center) - Squamous cell carcinoma
Ohio, Union Town - Adenosquamous carcinoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Salivary duct carcinoma
Pennsylvania (Drexel University School of Medicine) - Adenocarcinoma, Nos
Pennsylvania (Magee Women's Hospital) - Mucoepidermoid carcinoma, high grade
Puerto Rico (University of Puerto Rico) - Mucoepidermoid carcinoma, high grade vs. squamous cell carcinoma
Texas (Carl R. Darnell Army Medical Center) - Poorly differentiated carcinoma, favor high grade mucoepidermoid carcinoma
Texas, Crystal Beach - Mucoepidermoid carcinoma
Texas, Houston - Invasive squamous cell carcinoma
Texas (Scott & White Memorial Hospital) - Squamous cell carcinoma
Texas, Lubbock - Ductal adenocarcinoma
Virginia, Falls Church - Adenocarcinoma, Nos
Washington (Seattle VAMC) - Salivary gland carcinoma, high grade
West Virginia (Greenbrier Valley Medical Center) - Mucoepidermoid carcinoma
Wisconsin (Medical Assessment and Consultation) - Squamous cell carcinoma
Australia (St. Vincent's Hospital, Sydney) - Squamous cell carcinoma, parotid
Canada (Pasqua Hospital) - Squamous cell carcinoma, probably metastatic
Canada (Saint-Antoine/Richenen) - Mucoepidermoid carcinoma, high grade
Canada (University of Sherbrooke) - Adenosquamous carcinoma
Ireland (Kerry General Hospital) - Squamous carcinoma
Ireland (University Hospital Galway) - Poorly differentiated mucoepidermoid carcinoma
Japan (Aichi Medical University) - Squamous cell carcinoma, metastatic
Japan (Asahi General Hospital) - Epithelial-myoepithelial carcinoma (1); Oncocytic carcinoma (1)
Japan (Lions Mansion Nijyo) - Squamous cell carcinoma, parotid
Japan, Setagaya-ku - Salivary duct carcinoma
Japan (University of Yamanashi) - Mucoepidermoid carcinoma
Oman (Khoula Hospital) - Mucoepidermoid carcinoma
Saudi Arabia (King Khalid University Hospital) - Mucoepidermoid carcinoma, high grade
Singapore (Freelance/Locum Practice) - Squamous cell carcinoma
Singapore (Singapore General Hospital) - High grade mucoepidermoid carcinoma
United Kingdom (John Radcliffe Hospital) - High grade mucoepidermoid carcinoma

Case 6 - Diagnosis:

Squamous cell carcinoma, parotid/ear
T-55100, M-80703

Case 6 - References:

Molecular targeted therapies in all histologies of head and neck cancers: an update. Razak AR; Siu LL; Le Tourneau C. *Curr Opin Oncol* 2010; May;22(3): p212-20.

Expression of haptoglobin predicts recurrence in head and neck squamous cell carcinoma. Lee CC; Ho HC, et al. *Clin Chim Acta* 2010; Aug 5;411(15-16): p1116-21.

Squamous carcinoma in a major salivary gland: a review of the diagnostic considerations. Taxy JB. *Arch Pathol Lab Med* 2001; Jun;125(6): p740-5.

Salivary gland carcinoma: independent prognostic factors for locoregional control, distant metastases, and overall survival: results of the Dutch head and neck oncology cooperative group. Terhaard CH; Lubsen H, et al. *Head Neck* 2004; Aug;26(8): p681-92; discussion 692-3.

Major salivary gland cancer. Witt RL. *Surg Oncol Clin N Am* 2004; Jan;13(1): p113-27.

Case No. 7, Accession No. 29263**January 2011**

Glendale - Monomorphic adenoma

Hayward (St. Rose Hospital) - Parathyroid adenoma

Long Beach (Long Beach Veterans Hospital) - Parathyroid adenoma (8)

Oakland (Alameda County Medical Center) - Parathyroid adenoma

Orange (Orange County Pathology Medical Group) - Parathyroid adenoma

Sacramento (UCDMC) - Parathyroid adenoma

San Diego (Naval Medical Center) - Parathyroid adenoma

Fontana (Kaiser Permanente) - Parathyroid adenoma

Santa Barbara (Miramonte Laboratories) - Parathyroid adenoma

Oxnard (St. John's Regional Medical Center) - Parathyroid adenoma (3)

Arkansas (Associated Pathologists Laboratory) - Parathyroid adenoma

Colorado (University of Colorado) - Parathyroid adenoma

Florida (Munroe Regional Medical Center) - Parathyroid carcinoma

Florida (Gastroenterology Associates of Ocala) - Parathyroid adenoma

Florida (Naples Pathology Associates) - Parathyroid adenoma

Georgia, Atlanta - Parathyroid adenoma

Georgia (Emory University) - Parathyroid adenoma

Illinois, Chicago - Parathyroid hyperplasia (2)

Illinois (Heartland Regional Medical Center) - Parathyroid adenoma

Illinois (Memorial Medical Center) - Parathyroid adenoma

Illinois, Oak Brook - Parathyroid adenoma

Maryland (University of Maryland) - Suspicious for parathyroid carcinoma

Massachusetts (BWH-Pathology) - Parathyroid adenoma

Massachusetts (University of Massachusetts) - Parathyroid adenoma

Michigan, Caledonia - Parathyroid adenoma

Michigan (Pathology Consultants of Port Huron, PC) - Parathyroid adenoma

Minnesota (Fairview Ridges Hospital) - Parathyroid adenoma

Missouri (Missouri Delta Medical Center) - Polymorphous low grade adenocarcinoma vs. adenoma (1);
Adenocarcinoma (1)

Missouri (St. Luke's Hospital) - Parathyroid adenoma

Nebraska (Creighton University Medical Center) - Parathyroid carcinoma

New York (Buffalo General Hospital) - Parathyroid adenoma, clear cell variant
New York (Erie County Medical Center) - Atypical parathyroid adenoma
New York (Staten Island University Hospital) - Parathyroid adenoma
New York (SUNY Downstate Medical Center) - Parathyroid adenoma, parathyroid carcinoma
New York (SUNY Stony Brook University Hospital) - Parathyroid carcinoma
New York (Westchester Medical Center) - Parathyroid adenoma
North Carolina (North Carolina Baptist Hospital) - Parathyroid adenoma
Ohio, Columbus - Parathyroid adenoma
Ohio (University of Toledo Medical Center) - Parathyroid adenoma
Ohio, Union Town - Parathyroid adenoma carcinoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Parathyroid adenoma
Pennsylvania (Drexel University School of Medicine) - Adenoma
Pennsylvania (Magee Women's Hospital) - Parathyroid adenoma
Puerto Rico (University of Puerto Rico) - Parathyroid adenoma
Texas (Carl R. Darnell Army Medical Center) - Parathyroid adenoma
Texas, Crystal Beach - Parathyroid adenoma
Texas, Houston - Parathyroid adenoma
Texas (Scott & White Memorial Hospital) - Parathyroid adenoma
Texas, Lubbock - Parathyroid adenoma
Virginia, Falls Church - Parathyroid adenoma
Washington (Seattle VAMC) - Parathyroid adenoma
West Virginia (Greenbrier Valley Medical Center) - Parathyroid adenoma
Wisconsin (Medical Assessment and Consultation) - Parathyroid gland adenoma
Australia (St. Vincent's Hospital, Sydney) - Parathyroid adenoma
Canada (Pasqua Hospital) - Parathyroid adenoma
Canada (Saint-Antoine/Richenen) - Parathyroid adenoma
Canada (University of Sherbrooke) - Adenoma
Ireland (Kerry General Hospital) - Parathyroid adenoma
Ireland (University Hospital Galway) - Parathyroid adenoma
Japan (Aichi Medical University) - Parathyroid adenoma
Japan (Asahi General Hospital) - Parathyroid adenoma (2)
Japan (Lions Mansion Nijyo) - Consistent with parathyroid adenoma, parathyroid
Japan, Setagaya-ku - Parathyroid adenoma
Japan (University of Yamanashi) - Parathyroid adenoma
Oman (Khoula Hospital) - Parathyroid adenoma
Saudi Arabia (King Khalid University Hospital) - Parathyroid adenoma
Singapore (Freelance/Locum Practice) - Parathyroid adenoma
Singapore (Singapore General Hospital) - Parathyroid adenoma
United Kingdom (John Radcliffe Hospital) - Parathyroid adenoma

Case 7 - Diagnosis:

Parathyroid adenocarcinoma
 T-96000, M-80103

Editors Comment: The Ca++ level 18.8, the parathyroid was 7.5 cm and it was a difficult dissection. (drc)

Case 7 – References:

Parathyroid carcinoma with anaplastic feature: association of a p53 gene mutation with anaplastic transformation.
 Tamura G; Miyoshi H, et al. *Pathol Int* 2009; Feb;59(2): p107-10.

 Parathyroid carcinoma and neurofibromatosis. Demirjian AN; Grossman JM; Chan JL; Parangi S. *Surgery* 2008; Nov;144(5): p827-9.

 Functional parathyroid carcinoma: Long-term treatment outcome and risk factor analysis. Iihara M; Okamoto T, et al. *Surgery* 2007; Dec;142(6): p936-43; discussion 943.e1.

Parathyroid carcinoma, atypical parathyroid adenoma, or parathyromatosis? Fernandez-Ranvier GG, et al. *Cancer* 2007; Jul 15;110(2): p255-64.

Cytologic comparison of a primary parathyroid cancer and its metastatic lesions: a case report. Ikeda K; Tate G; Suzuki T; Mitsuya T, *Diagn Cytopathol* 2006; Jan;34(1): p50-5.

Parathyroid carcinoma: an overview. De Lellis RA. *Adv Anat Pathol* 2005; Mar;12(2): p53-61.

Case No. 8, Accession No. 12420

January 2011

Glendale - Cavernous hemangioma

Hayward (St. Rose Hospital) - Cavernous hemangioma

Long Beach (Long Beach Veterans Hospital) - Hemangioma (8)

Oakland (Alameda County Medical Center) - Hemangioma

Orange (Orange County Pathology Medical Group) - Hemangioma/vascular malformation

Sacramento (UCDMC) - Cavernous hemangioma

San Diego (Naval Medical Center) - Hemangioma

Fontana (Kaiser Permanente) - Hemangioma

Santa Barbara (Miramonte Laboratories) - Cavernous hemangioma

Oxnard (St. John's Regional Medical Center) - Vascular malformation (2); Hemangioma vs. vascular malformation (1)

Arkansas (Associated Pathologists Laboratory) - Cavernous hemangioma, chronic sialadenitis

Colorado (University of Colorado) - Hemangioma

Florida (Munroe Regional Medical Center) - Vascular malformation vs. peliosis (bacillary angiomatosis)

Florida (Gastroenterology Associates of Ocala) - Salivary gland cyst consistent with cavernous hemangioma

Florida (Naples Pathology Associates) - Hemangioma

Georgia, Atlanta - Cavernous hemangioma

Georgia (Emory University) - Hemangioma

Illinois, Chicago - Acinic cell adenocarcinoma (2)

Illinois (Heartland Regional Medical Center) - Hemangioma

Illinois (Memorial Medical Center) - Salivary gland hemangioma

Illinois, Oak Brook - Hemangioma

Maryland (University of Maryland) - Lobular hemangioma

Massachusetts (BWH-Pathology) - Hemangioma

Massachusetts (University of Massachusetts) - Cavernous hemangioma

Michigan, Caledonia - Cavernous hemangioma, right submandibular gland

Michigan (Pathology Consultants of Port Huron, PC) - Chronic sialadenitis

Minnesota (Fairview Ridges Hospital) - Hemangioma

Missouri (Missouri Delta Medical Center) - Hemangioma (2)

Missouri (St. Luke's Hospital) - Hemangioma

Nebraska (Creighton University Medical Center) - Cavernous hemangioma

New York (Buffalo General Hospital) - Hemangioma

New York (Erie County Medical Center) - Hemangioma

New York (Staten Island University Hospital) - Cavernous hemangioma

New York (SUNY Downstate Medical Center) - Hemangioma

New York (SUNY Stony Brook University Hospital) - Cavernous hemangioma

New York (Westchester Medical Center) - Cavernous hemangioma

North Carolina (North Carolina Baptist Hospital) - Hemangioma

Ohio, Columbus - Arterio-venous malformation

Ohio (University of Toledo Medical Center) - Brachial cleft cyst

Ohio, Union Town - Salivary gland hemangioma

Pennsylvania (Conemaugh Valley Memorial Hospital) - Cavernous hemangioma

Pennsylvania (Drexel University School of Medicine) - Cavernous hemangioma

Pennsylvania (Magee Women's Hospital) - Hemangioma

Puerto Rico (University of Puerto Rico) - Hemangioma/vascular malformation

Texas (Carl R. Darnell Army Medical Center) - Cavernous hemangioma

Texas, Crystal Beach - Hemangioma
Texas, Houston - Hemangioma
Texas (Scott & White Memorial Hospital) - Cavernous hemangioma
Texas, Lubbock - Hemangioma
Virginia, Falls Church - Hemangioma
Washington (Seattle VAMC) - Hemangioma angiomatous malformation
West Virginia (Greenbrier Valley Medical Center) - Hemangioma
Wisconsin (Medical Assessment and Consultation) - Benign cavernous hemangioma
Australia (St. Vincent's Hospital, Sydney) - Submandibular gland, hemangioma
Canada (Pasqua Hospital) - Hemangioma
Canada (Saint-Antoine/Richenen) - Cavernous hemangioma
Canada (University of Sherbrooke) - Hemangioma
Ireland (Kerry General Hospital) - Myoepithelial sialadenitis
Ireland (University Hospital Galway) - Cavernous hemangioma
Japan (Aichi Medical University) - Hemangioma
Japan (Asahi General Hospital) - Sialadenitis (1); Cavernous hemangioma (1)
Japan (Lions Mansion Nijyo) - Hemangioma, submandibular gland
Japan, Setagaya-ku - Hemangioma
Japan (University of Yamanashi) - Cavernous hemangioma
Oman (Khoula Hospital) - Hemangioma
Saudi Arabia (King Khalid University Hospital) - Ischemic hemangioma
Singapore (Freelance/Locum Practice) - Cavernous hemangioma
Singapore (Singapore General Hospital) - Cavernous hemangioma
United Kingdom (John Radcliffe Hospital) - Hemangioma

Case 8 - Diagnosis:

Cavernous hemangioma, submaxillary gland
 T-55300, M-91210

Case 8 - References:

Cavernous vascular tumor of the accessory parotid gland. Chang CH; Mun GH, et al. *J Craniofac Surg* 2007; Nov;18(6): p1493-6.

 A hemangioma on the floor of the mouth presenting as a ranula. Skoulakis CE; Khaldi L, et al. *Ear Nose Throat J* 2008; Nov;87(11): p628-30.

 Update on selected salivary gland neoplasms. McHugh JB; Visscher DW; Barnes EL. *Arch Pathol Lab Med* 2009; Nov;133(11): p1763-74.

 Salivary gland neoplasms in oral and maxillofacial regions: a 23-year retrospective study of 6982 cases in an eastern Chinese population. Tian Z; Li L, et al. *Int J Oral Maxillofac Surg* 2010; Mar;39(3): p235-42.

 Management of infantile parotid gland hemangiomas: a 40-year experience. Sinno H; Thibaudeau S, et al. *Plast Reconstr Surg* 2010; Jan;125(1): p265-73.

Case No. 9, Accession No. 30628

January 2011

Glendale - Meningioma
Hayward (St. Rose Hospital) - PSNPC (primary sinopharyngeal type undifferentiated carcinoma)
Long Beach (Long Beach Veterans Hospital) - Meningioma (8)
Oakland (Alameda County Medical Center) - Meningioma
Orange (Orange County Pathology Medical Group) - Meningioma
Sacramento (UCDMC) - Sinonasal meningioma
San Diego (Naval Medical Center) - Meningioma

Fontana (Kaiser Permanente) - Meningioma
Santa Barbara (Miramonte Laboratories) - Meningioma
Oxnard (St. John's Regional Medical Center) - Meningioma (3)
Arkansas (Associated Pathologists Laboratory) - Meningioma
Colorado (University of Colorado) - Meningioma
Florida (Munroe Regional Medical Center) - Meningioma
Florida (Gasatroenterology Associates of Ocala) - Epithelioid sarcoma
Florida (Naples Pathology Associates) - Ectopic meningioma
Georgia, Atlanta - Meningioma
Georgia (Emory University) - Meningioma, meningothelial type
Illinois, Chicago - Inverted papilloma (2)
Illinois (Heartland Regional Medical Center) - Meningioma
Illinois (Memorial Medical Center) - Meningioma
Illinois, Oak Brook - Meningioma
Maryland (University of Maryland) - Favor reactive meningocele
Massachusetts (BWH-Pathology) - Sinonasal meningioma
Massachusetts (University of Massachusetts) - Meningioma
Michigan, Caledonia - Ectopic meningioma, nasal cavity
Michigan (Pathology Consultants of Port Huron, PC) - Meningioma
Minnesota (Fairview Ridges Hospital) - Meningioma
Missouri (Missouri Delta Medical Center) - Inflammatory pseudotumor (2)
Missouri (St. Luke's Hospital) - Meningioma
Nebraska (Creighton University Medical Center) - Meningioma
New York (Buffalo General Hospital) - Meningioma
New York (Erie County Medical Center) - Mucosal schwannoma
New York (Staten Island University Hospital) - Meningioma
New York (SUNY Downstate Medical Center) - Meningioma
New York (SUNY Stony Brook University Hospital) - Sinonasal meningioma
New York (Westchester Medical Center) - Meningioma
North Carolina (North Carolina Baptist Hospital) - Meningioma
Ohio, Columbus - Angiosarcoma vs. malignant perineurioma vs. monophasic synovial sarcoma
Ohio (University of Toledo Medical Center) - Meningioma
Ohio, Union Town - Nasal meningioma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Meningioma, nasal septum
Pennsylvania (Drexel University School of Medicine) - Meningioma
Pennsylvania (Magee Women's Hospital) - Meningioma
Puerto Rico (University of Puerto Rico) - Sinonasal meningioma
Texas (Carl R. Darnell Army Medical Center) - Ectopic meningioma
Texas, Crystal Beach - Inverted Schneiderian papilloma
Texas, Houston - Schwannoma
Texas (Scott & White Memorial Hospital) - Meningioma
Texas, Lubbock - Meningioma
Virginia, Falls Church - Meningioma
Washington (Seattle VAMC) - Meningioma
West Virginia (Greenbrier Valley Medical Center) - Sinonasal undifferentiated carcinoma
Wisconsin (Medical Assessment and Consultation) - Benign meningioma
Australia (St. Vincent's Hospital, Sydney) - Meningioma, nose
Canada (Pasqua Hospital) - Meningioma
Canada (Saint-Antoine/Richenen) - Meningioma
Canada (University of Sherbrooke) - Meningioma
Ireland (Kerry General Hospital) - Meningioma
Ireland (University Hospital Galway) - Sinonasal tract meningioma
Japan (Aichi Medical University) - Meningioma
Japan (Asahi General Hospital) - Non-keratinizing carcinoma (1); Meningioma (1)
Japan (Lions Mansion Nijyo) - Meningioma, nasal mucosa
Japan, Setagaya-ku - Spindle cell carcinoma
Japan (University of Yamanashi) - Meningioma

Oman (Khoula Hospital) - Meningioma
Saudi Arabia (King Khalid University Hospital) - Meningioma, WHO, grade I
Singapore (Freelance/Locum Practice) - Meningioma
Singapore (Singapore General Hospital) - Synovial sarcoma
United Kingdom (John Radcliffe Hospital) - Meningioma

Case 9 - Diagnosis:

Sinonasal meningioma, nose
T-21000, M-95300

Case 9 - References:

Management of sinonasal malignant neoplasms: defining the role of endoscopy. Luong A; Citardi MJ; Batra PS.
Am J Rhinol Allergy 2010; Mar;24(2): p150-5.

Primary meningioma of the nasal septum: a case report and review of literature. Alzarar AH; Hussein MR; Amri D; Mokarbash HM, et al. *Appl Immunohistochem Mol Morphol* 2010; May;18(3): p296-8.

Surgical treatment and outcome of skull base meningiomas with extracranial extensions. Nakao N; Ohkawa T, et al. *Clin Neurol Neurosurg* 2010; Jan;112(1): p40-6.

Primary extracranial meningioma of the sinonasal tract. Petrulionis M; Valeviciene N, et al. *Acta Radiol* 2005; Jul;46(4): p415-8.

Endoscopic endonasal resection of anterior cranial base meningiomas. Gardner PA; Kassam AB, et al. *Neurosurgery* 2008; Jul;63(1): p36-52; discussion 52-4.

Malignant neoplasms of the sinonasal tract: report of 71 patients and literature review and analysis. Khademi B; Moradi A, et al. *Oral Maxillofac Surg* 2009; Dec;13(4): p191-9.

Case No. 10, Accession No. 12386

January 2011

Glendale - Ameloblastoma
Hayward (St. Rose Hospital) - Ameloblastoma
Long Beach (Long Beach Veterans Hospital) - Ameloblastoma (8)
Oakland (Alameda County Medical Center) - Ameloblastoma
Orange (Orange County Pathology Medical Group) - Ameloblastoma
Sacramento (UCDMC) - Ameloblastoma carcinoma
San Diego (Naval Medical Center) - Ameloblastoma
Fontana (Kaiser Permanente) - Ameloblastoma
Santa Barbara (Miramonte Laboratories) - Mucoepidermoid carcinoma
Oxnard (St. John's Regional Medical Center) - Acanthomatous ameloblastoma (1); Ameloblastoma (2)
Arkansas (Associated Pathologists Laboratory) - Adenomatoid odontogenic tumor
Colorado (University of Colorado) - Ameloblastoma
Florida (Munroe Regional Medical Center) - Ameloblastic carcinoma
Florida (Gasatroenterology Associates of Ocala) - Calcifying odontogenic cyst
Florida (Naples Pathology Associates) - Ameloblastoma
Georgia, Atlanta - Ameloblastoma
Georgia (Emory University) - Ameloblastoma
Illinois, Chicago - Adenomatoid odontogenic tumor (2)
Illinois (Heartland Regional Medical Center) - Ameloblastoma
Illinois (Memorial Medical Center) - Ameloblastoma, unicystic type
Illinois, Oak Brook - Ameloblastoma
Maryland (University of Maryland) - Ameloblastoma carcinoma
Massachusetts (BWH-Pathology) - Clear cell odontogenic carcinoma

Massachusetts (University of Massachusetts) - Ameloblastic
Michigan, Caledonia - Mucoepidermoid carcinoma, high-grade, oral cavity
Michigan (Pathology Consultants of Port Huron, PC) - Adamantinoma
Minnesota (Fairview Ridges Hospital) - Ameloblastoma
Missouri (Missouri Delta Medical Center) - Ameloblastoma (2)
Missouri (St. Luke's Hospital) - Central mucoepidermoid carcinoma (primary intraosseous)
Nebraska (Creighton University Medical Center) - Ameloblastoma
New York (Buffalo General Hospital) - Clear cell odontogenic carcinoma
New York (Erie County Medical Center) - Ameloblastoma
New York (Staten Island University Hospital) - Squamous odontogenic tumor
New York (SUNY Downstate Medical Center) - Ameloblastoma
New York (SUNY Stony Brook University Hospital) - Ameloblastic carcinoma
New York (Westchester Medical Center) - Ameloblastic carcinoma
North Carolina (North Carolina Baptist Hospital) - Ameloblastoma
Ohio, Columbus - Ameloblastoma vs. adenosquamous carcinoma vs. mucoepidermoid carcinoma
Ohio (University of Toledo Medical Center) - Ameloblastoma
Ohio, Union Town - Ameloblastoma
Pennsylvania (Conemaugh Valley Memorial Hospital) - Ameloblastic carcinoma
Pennsylvania (Drexel University School of Medicine) - Ameloblastoma
Pennsylvania (Magee Women's Hospital) - Ameloblastoma
Puerto Rico (University of Puerto Rico) - Ameloblastoma
Texas (Carl R. Darnell Army Medical Center) - Ameloblastoma, acanthomatous
Texas, Crystal Beach - Ameloblastoma
Texas, Houston - Ameloblastoma
Texas (Scott & White Memorial Hospital) - Ameloblastoma
Texas, Lubbock - Ameloblastoma
Virginia, Falls Church - Epithelial, myoepithelial carcinoma
Washington (Seattle VAMC) - Ameloblastoma
West Virginia (Greenbrier Valley Medical Center) - Squamous cell carcinoma arising in a odontogenic cyst
Wisconsin (Medical Assessment and Consultation) - Adenomatoid odontogenic tumor
Australia (St. Vincent's Hospital, Sydney) - Ameloblastoma, maxilla
Canada (Pasqua Hospital) - Ameloblastoma
Canada (Saint-Antoine/Richenen) - Ameloblastoma
Canada (University of Sherbrooke) - Ameloblastoma
Ireland (Kerry General Hospital) - Follicular ameloblastoma
Ireland (University Hospital Galway) - Ameloblastoma
Japan (Aichi Medical University) - Ameloblastoma
Japan (Asahi General Hospital) - Odontoma (1); Ameloblastoma (1)
Japan (Lions Mansion Nijyo) - Ameloblastoma, maxilla
Japan, Setagaya-ku - Ameloblastoma
Japan (University of Yamanashi) - Ameloblastoma
Oman (Khoulia Hospital) - Ameloblastoma
Saudi Arabia (King Khalid University Hospital) - Ameloblastoma, acanthomatous type
Singapore (Freelance/Locum Practice) - Ameloblastoma
Singapore (Singapore General Hospital) - Ameloblastoma
United Kingdom (John Radcliffe Hospital) - Adenomatoid odontogenic tumor

Case 10 - Diagnosis:

Ameloblastoma, mandible
 T-10180, M-93100

Case 10 - References:

Malignant ameloblastoma of the mandible. A review of definitions and report of a case. Milles M; Mirani N; Alltucker E. *J N J Dent Assoc* 2005; Fall;76(4): p36-9.

Surgical management of ameloblastoma in the mandible: Segmental mandibulectomy and immediate reconstruction with free fibula or deep circumflex iliac artery flap (evaluation of the long-term esthetic and functional results). Vayvada H; Mola F, et al. *J Oral Maxillofac Surg* 2006; Oct;64(10): p1532-9.

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