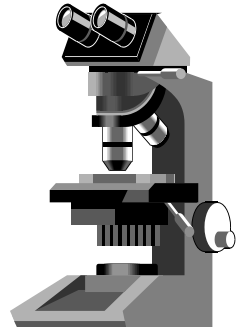


CALIFORNIA  
TUMOR TISSUE REGISTRY

## ***HEAD AND NECK PATHOLOGY***

Minutes – Subscription A

**November 2014**



### **SUGGESTED READING (General Topics from Recent Literature):**

- Varadhachary GR, Raber MN. Cancer of Unknown Primary Site. *N Eng J Med* 2014;757-765.
- Miettinen M, Wang Z, et al: SALLA Expression in Germ Cell and Non-Germ Cell Tumors: A Systematic Immunohistochemical Study in 3215 Cases. *Am J Surg Pathol* 2014: 410-429.
- Folcik VA, Garofalo M, et al. Idiopathic Pulmonary Fibrosis Is Strongly Associated With Productive infection by Herpesvirus Saimiri. *Mod Pathol* 2014; 851-862.
- Oda Y, Aishima S, et al. Pancreatic Intraepithelial Neoplasia in the Background of Invasive Ductal Carcinoma of the Pancreas as a Prognostic Factor. *Histopathology* 2014: 386-397.
- Ferreira MA, Gerhard R, Schmitt F. Analysis of Non-diagnostic Results in a Large Series of Thyroid Fine-Needle Aspiration Cytology Performed Over 9 Years in a Single Center. *Acta Cytol* 2014: 229-234.

California Tumor Tissue Registry  
c/o: Department of Pathology and Human Anatomy  
Loma Linda University School of Medicine  
11021 Campus Avenue, AH 335  
**Loma Linda, California 92350**  
(909) 558-4788  
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E-mail: [cttr@linkline.com](mailto:cttr@linkline.com)  
Web site & Case of the Month: [www.cttr.org](http://www.cttr.org)

## FILE DIAGNOSES

CTTR Subscription A

November 2014

**Case 1:**

Squamous cell carcinoma, tongue

**Case 2:**

Juvenile lobular capillary hemangioma, head

**Case 3:**

Lymphangioma (cystic hygroma), neck

**Case 4:**

Pleomorphic adenoma, parotid

**Case 5:**

Warthin tumor, parotid gland

**Case 6:**

Acinic cell carcinoma, parotid gland

**Case 7:**

Sebaceous lymphadenoma, left parotid gland

**Case 8:**

Diffuse large B-cell (follicular) lymphoma, skull

**Case 9:**

High grade adenoid cystic carcinoma, skull

**Case 10:**

Metastatic tubulopapillary renal cell carcinoma presenting as a lymph node metastasis in the neck

Glendale - Squamous cell carcinoma  
Hayward/Fremont (St. Rose Hospital) - Squamous carcinoma  
Long Beach (Long Beach Veterans Hospital) - Keratinizing squamous cell carcinoma  
Oakland (Alameda County Medical Center) - Invasive squamous cell carcinoma (6)  
San Diego (Naval Medical Center Pathology Residents) - Squamous cell carcinoma, well-differentiated  
San Francisco (San Francisco General Hospital) - Squamous cell carcinoma  
San Jose - Squamous cell carcinoma  
Santa Barbara (Miramonte Laboratory) - Squamous carcinoma  
Torrence (Harbor-UCLA Medical Center) - Invasive squamous cell carcinoma, moderately differentiated, keratinizing type  
Woodland Hills (Kaiser Permanente) - Invasive squamous cell carcinoma  
Arkansas (Associated Pathologists Laboratory) - Invasive squamous cell carcinoma  
Colorado, Ft. Collins - Well-differentiated invasive squamous cell carcinoma  
Connecticut (Danbury Hospital) - Invasive keratinizing squamous cell carcinoma  
Delaware (Armed Forces Medical Examiner System) - Keratinizing squamous cell carcinoma  
Florida (Florida Atlantic University) - Keratinizing squamous cell carcinoma  
Florida (GastroEnterology Association of Ocala) - Squamous cell carcinoma, invasive (unfavorable pattern)  
Georgia, Atlanta - Squamous cell carcinoma  
Georgia (Wellstone Health System) - Squamous cell carcinoma (4)  
Illinois (Heartland Regional Medical Center) - Invasive squamous cell carcinoma, well-differentiated  
Illinois (Northwestern University) - Squamous cell carcinoma, grade 1-2  
Illinois, Oak Brook - Well-differentiated infiltrative squamous carcinoma  
Iowa (Allen Memorial Hospital) - Well-differentiated squamous cell carcinoma  
Maryland (University of Maryland Medical Center) - Invasive, keratinizing squamous cell carcinoma  
Michigan (William Beaumont Hospital) - Invasive keratinizing squamous cell carcinoma  
Minnesota (Fairview Ridges Hospital) - Squamous cell carcinoma, invasive  
Missouri (Washington University) - Squamous cell carcinoma, keratinizing type  
Nebraska (Creighton University Medical Center) - Invasive squamous cell carcinoma  
New York (SUNY Health Science Center) - Keratinizing squamous cell carcinoma  
North Carolina (Eastern Carolina Pathology Associates) - Invasive squamous cell carcinoma  
Ohio (Summa Health System Residents) - Well-differentiated squamous carcinoma  
Ohio (The University of Toledo Medical Center) - Squamous cell carcinoma  
Pennsylvania (Drexel College of Medicine) - Keratinizing squamous cell carcinoma  
Pennsylvania (Lehigh Valley Hospital) - Invasive squamous cell carcinoma  
Puerto Rico (University of Puerto Rico) - Squamous cell carcinoma, moderately differentiated  
South Carolina (Medical University of South Carolina) - Squamous cell carcinoma  
Texas, Crystal Beach - Squamous cell carcinoma  
Texas, Lubbock - Moderately differentiated squamous cell carcinoma  
West Virginia (Greenbrier Valley Medical Center) - Squamous cell carcinoma  
Australia (Royal Hobart Hospital) - Keratinizing squamous cell carcinoma  
Australia (Royal Prince Alfred Hospital) - Moderately differentiated squamous cell carcinoma  
Canada (Pasqua Hospital) - Squamous cell carcinoma  
Ireland (Kerry General Hospital) - Keratinizing squamous carcinoma  
Ireland (Mayo General Hospital) - Infiltrating moderately differentiated squamous cell carcinoma  
Japan (Lions Mansion Nijyo Ekimae) - Squamous cell carcinoma, tongue  
Japan (Setagaya-Ku) - Squamous cell carcinoma  
Japan (University of Yamanashi) - Squamous cell carcinoma  
Oman (Khoula Hospital) - Well-differentiated squamous cell carcinoma  
Spain (CHUVI Hospital) - Well-differentiated squamous cell carcinoma

**Case 1 - Diagnosis:**

Squamous cell carcinoma, tongue

#### Case 1 - References:

Fine needle aspiration cytology of spindle cell carcinoma of the tongue: a case report with emphasis on the diagnostic difficulties. *Cytopathology* 2010; Apr;21(2): p130-2. Singhal N; Dhingra N, et al.  
Translocation (12; 14) and other chromosome abnormalities in squamous cell carcinoma of the tongue. *Eur Arch Otorhinolaryngol* 2010; Aug;267(8): p1273-6. Manor E; Tetro S; Bodner L.  
Biopsy examination of squamous cell carcinoma of the tongue: source of significant prognostic information. *Br J Oral Maxillofac Surg* 2010; Dec;48(8): p594-7 Moor JW; Wills S; et al.  
Squamous cell carcinoma of the oral tongue in patients younger than 30 years: clinicopathologic features and outcome. *Clin Otolaryngol* 2010; Aug;35(4): p307-12. Soudry E; Preis M; et al.  
Pathologic evaluation of sentinel lymph nodes in oral squamous cell carcinoma. *Head Neck* 2010; Nov;32(11): p1437-43. Trivedi NP; Ravindran HK, et al.  
Relevance of human papilloma virus (HPV) infection to carcinogenesis of oral tongue cancer. *Int J Oral Maxillofac Surg* 2010; Jul;39(7): p678-83. Lee SY; Cho NH, et al.

#### **Case No. 2, Accession No. 25437**

**November 2014**

Glendale - Capillary hemangioma

Hayward/Fremont (St. Rose Hospital) - Infantile hemangioma

Long Beach (Long Beach Veterans Hospital) - Hemangioma

Oakland (Alameda County Medical Center) - Infantile hemangioma (6)

San Diego (Naval Medical Center Pathology Residents) - Juvenile hemangioma

San Francisco (San Francisco General Hospital) - Infantile hemangioma

San Jose - Hemangioma

Santa Barbara (Miramonte Laboratory) - Hemangiopericytoma

Torrence (Harbor-UCLA Medical Center) - Juvenile hemangioma

Woodland Hills (Kaiser Permanente) - Capillary (juvenile) hemangioma

Arkansas (Associated Pathologists Laboratory) - Juvenile hemangioma

Colorado, Ft. Collins - Infantile hemangioendothelioma

Connecticut (Danbury Hospital) - Infantile hemangioma

Delaware (Armed Forces Medical Examiner System) - Capillary hemangioma

Florida (Florida Atlantic University) - Pyogenic granuloma

Florida (GastroEnterology Association of Ocala) - Tufted angioma vs. lobular capillary hemangioma

Georgia, Atlanta - Hemangioma

Georgia (Wellstone Health System) - Hemangioma (3); Eccrine spiradenoma (1)

Illinois (Heartland Regional Medical Center) - Infantile hemangioma

Illinois (Northwestern University) - Juvenile capillary hemangioma

Illinois, Oak Brook - Cellular capillary hemangioma

Iowa (Allen Memorial Hospital) - Juvenile capillary hemangioma

Maryland (University of Maryland Medical Center) - Infantile hemangioma

Michigan (William Beaumont Hospital) - Infantile hemangioma

Minnesota (Fairview Ridges Hospital) - Juvenile capillary hemangioma

Missouri (Washington University) - Hemangioma

Nebraska (Creighton University Medical Center) - Infantile hemangioma

New York (SUNY Health Science Center) - Juvenile hemangioma

North Carolina (Eastern Carolina Pathology Associates) - Infantile hemangioma

Ohio (Summa Health System Residents) - Infantile hemangioma

Ohio (The University of Toledo Medical Center) - Infantile hemangioma (lobular capillary hemangioma)

Pennsylvania (Drexel College of Medicine) - Hemangioma of infancy

Pennsylvania (Lehigh Valley Hospital) - Capillary hemangioma

Puerto Rico (University of Puerto Rico) - Capillary hemangioma

South Carolina (Medical University of South Carolina) - Juvenile hemangioma

Texas, Crystal Beach - Apocrine adenoma

Texas, Lubbock - Epithelioid hemangiopericytoma

West Virginia (Greenbrier Valley Medical Center) - Juvenile capillary hemangioma

Australia (Royal Hobart Hospital) - Juvenile capillary hemangioma

Australia (Royal Prince Alfred Hospital) - Infantile hemangioendothelioma

Canada (Pasqua Hospital) - Juvenile capillary hemangioma  
Ireland (Kerry General Hospital) - Capillary hemangioma  
Ireland (Mayo General Hospital) - Infantile hemangioendothelioma  
Japan (Lions Mansion Nijyo Ekimae) - Infantile hemangioma, scalp  
Japan (Setagaya-Ku) - Angiosarcoma  
Japan (University of Yamanashi) - Kaposiform hemangioendothelioma  
Oman (Khoula Hospital) - Capillary hemangioma  
Spain (CHUVI Hospital) - Juvenile capillary hemangioma

#### **Case 2 - Diagnosis:**

Juvenile lobular capillary hemangioma, head

#### **Case 2 - References:**

Intravenous lobular capillary hemangioma. *Ann Vasc Surg* 2010; Oct;24(7): p951.e13-5. Maher A.  
 Radiology quiz case 2. Lobular capillary hemangioma (LCH). *Arch Otolaryngol Head Neck Surg* 2010; Nov;136(11): p1141, 1143.  
 Berlucchi M; Pedruzzi B; Farina D.  
 Pathology quiz case 2. Diagnosis: Nasal lobular capillary hemangioma (pyogenic granuloma). *Arch Otolaryngol Head Neck Surg* 2010; Sep;136(9): p930, 932-3. Gernon TJ; McHugh JB; Thorne MC.  
 Lobular capillary hemangioma of the nasal cavity in a five-year-old boy. *Otolaryngol Head Neck Surg* 2010; Feb;142(2): p290-1.  
 Benoit MM; Fink DS, et al.  
 Proliferative activity in oral pyogenic granuloma: a comparative immunohistochemical study. *Indian J Pathol Microbiol* 2010; Jul-Sep;53(3): p403-7. Rezvani G; Azarpira N, et al.  
 Routine and dynamic MR imaging study of lobular capillary hemangioma of the nasal cavity with comparison to inverting papilloma. *AJNR Am J Neuroradiol* 2013; Nov-Dec;34(11): p2202-7. Yang BT; Li SP, et al.

#### **Case No. 3, Accession No. 32095**

**November 2014**

Glendale - Ranula

Hayward/Fremont (St. Rose Hospital) - Reduplication cyst, possible 1<sup>st</sup> branchial cleft

Long Beach (Long Beach Veterans Hospital) - Branchial cleft cyst

Oakland (Alameda County Medical Center) - Branchial cleft cyst (6)

San Diego (Naval Medical Center Pathology Residents) - Ranula

San Francisco (San Francisco General Hospital) - Vascular aneurysm

San Jose - Benign cyst (? brachial cleft)

Santa Barbara (Miramonte Laboratory) - Lymphangioma

Torrence (Harbor-UCLA Medical Center) - Vascular malformation

Woodland Hills (Kaiser Permanente) - Arteriovenous malformation

Arkansas (Associated Pathologists Laboratory) - 2<sup>nd</sup> bronchial cleft cyst

Colorado, Ft. Collins - Lipoblastoma

Connecticut (Danbury Hospital) - Arteriovenous malformation

Delaware (Armed Forces Medical Examiner System) - Benign cyst

Florida (Florida Atlantic University) - Thrombosed vein with recanalization

Florida (GastroEnterology Association of Ocala) - Lymphangioma (cystic hygroma)

Georgia, Atlanta - Lymphangioma

Georgia (Wellstone Health System) - Arteriovenous malformation (3); Benign vascular lesion consistent with hemorrhage, lymphangioma (1)

Illinois (Heartland Regional Medical Center) - Lymphangioma (lymphatic malformation/hygroma)

Illinois (Northwestern University) - Cervical ranula

Illinois, Oak Brook - Brachial cleft cyst

Iowa (Allen Memorial Hospital) - Fetal rhabdomyoma

Maryland (University of Maryland Medical Center) - Venous aneurism (post trauma)

Michigan (William Beaumont Hospital) - Venous hemangioma

Minnesota (Fairview Ridges Hospital) - Intravascular mural fasciitis

Missouri (Washington University) - Pseudocyst

Nebraska (Creighton University Medical Center) - Cavernous lymphangioma

New York (SUNY Health Science Center) - Internal jugular phlebectasia

North Carolina (Eastern Carolina Pathology Associates) - Branchial cleft cyst  
Ohio (Summa Health System Residents) - Venous malformation  
Ohio (The University of Toledo Medical Center) - Arteriovenous malformation  
Pennsylvania (Drexel College of Medicine) - Arteriovenous malformation  
Pennsylvania (Lehigh Valley Hospital) - Arteriovenous malformation  
Puerto Rico (University of Puerto Rico) - Lymphangioma  
South Carolina (Medical University of South Carolina) - Lymphovascular malformation  
Texas, Crystal Beach - Angioma of skin  
Texas, Lubbock - Arteriovenous malformation  
West Virginia (Greenbrier Valley Medical Center) - Cystic hygroma of neck  
Australia (Royal Hobart Hospital) - Cystic lymphangioma  
Australia (Royal Prince Alfred Hospital) - Cystic hygroma  
Canada (Pasqua Hospital) - Dilated vein  
Ireland (Kerry General Hospital) - Arteriovenous hemangioma  
Ireland (Mayo General Hospital) - Arteriovenous malformation  
Japan (Lions Mansion Nijyo Ekimae) - Pseudo aneurysm, rule out malformation, neck  
Japan (Setagaya-Ku) - Pharyngeal cyst  
Japan (University of Yamanashi) - Cystic lymphangioma (1); Nodular fasciitis (1)  
Oman (Khoula Hospital) - Lymphangioma  
Spain (CHUVI Hospital) - Vascular (venous) malformation

### **Case 3 - Diagnosis:**

Lymphangioma (cystic hygroma), neck

### **Case 3 - References:**

Cystic lymphangioma in adults: can trauma be the trigger. *Eur Arch Otorhinolaryngol* 2005; Apr;262(4): p335-7. Aneeshkumar MK; Kale S, et al.  
 Cystic hygroma: characterization by computerized tomography. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 2008; May;105(5): pe65-9. Mosca RC; Pereira GA; Mantesso A.  
 Cervical cystic hygroma/lymphangioma: an acquired idiopathic late presentation. *J Laryngol Otol* 2005; Jul;119(7): p561-3. Karkos PD; Spencer MG; Lee M; et. al.  
 Adult cystic hygroma: successful use of OK-432 (Picibanil). *J Laryngol Otol* 2008; Nov;122(11): p1260-4. Woolley SL; Smith DR; Quine S.  
 Cystic hygroma and lymphangioma: associated findings, perinatal outcome and prognostic factors in live-born infants *Arch Gynecol Obstet* 2007; Nov;276(5): p491-8. Gedikbasi A; Gul A; Sargin A; Ceylan Y.  
 First-trimester septated cystic hygroma: prevalence, natural history, and pediatric outcome. *Obstet Gynecol* 2005; Aug;106(2): p288-94. Malone FD; Ball RH, et al.

## **Case No. 4, Accession No. 31788**

**November 2014**

### **Case 3 - References:**

Glendale - Cellular pleomorphic adenoma  
Hayward/Fremont (St. Rose Hospital) - Pleomorphic adenoma  
Long Beach (Long Beach Veterans Hospital) - Pleomorphic adenoma  
Oakland (Alameda County Medical Center) - Benign mixed tumor (pleomorphic adenoma) (6)  
San Diego (Naval Medical Center Pathology Residents) - Pleomorphic adenoma  
San Francisco (San Francisco General Hospital) - Pleomorphic adenoma  
San Jose - Mixed tumor  
Santa Barbara (Miramonte Laboratory) - Pleomorphic adenoma  
Torrence (Harbor-UCLA Medical Center) - Pleomorphic adenoma  
Woodland Hills (Kaiser Permanente) - Pleomorphic adenoma  
Arkansas (Associated Pathologists Laboratory) - Pleomorphic adenoma  
Colorado, Ft. Collins - Mucoepidermal carcinoma  
Connecticut (Danbury Hospital) - Pleomorphic adenoma  
Delaware (Armed Forces Medical Examiner System) - Pleomorphic adenoma  
Florida (Florida Atlantic University) - Pleomorphic adenoma  
Florida (GastroEnterology Association of Ocala) - Pleomorphic adenoma

Georgia, Atlanta - Pleomorphic adenoma  
Georgia (Wellstone Health System) - Basal cell adenoma (2); Canalicular adenoma (1); Monomorphic vs. basal cell adenoma (1)  
Illinois (Heartland Regional Medical Center) - Pleomorphic adenoma  
Illinois (Northwestern University) - Pleomorphic adenoma  
Illinois, Oak Brook - Pleomorphic adenoma  
Iowa (Allen Memorial Hospital) - Pleomorphic adenoma  
Maryland (University of Maryland Medical Center) - Pleomorphic adenoma  
Michigan (William Beaumont Hospital) - Carcinoma, ex-pleomorphic adenoma  
Minnesota (Fairview Ridges Hospital) - Cellular pleomorphic adenoma  
Missouri (Washington University) - Pleomorphic adenoma  
Nebraska (Creighton University Medical Center) - Pleomorphic adenoma  
New York (SUNY Health Science Center) - Pleomorphic adenoma  
North Carolina (Eastern Carolina Pathology Associates) - Pleomorphic adenoma  
Ohio (Summa Health System Residents) - Pleomorphic adenoma  
Ohio (The University of Toledo Medical Center) - Pleomorphic adenoma  
Pennsylvania (Drexel College of Medicine) - Pleomorphic adenoma  
Pennsylvania (Lehigh Valley Hospital) - Pleomorphic adenoma  
Puerto Rico (University of Puerto Rico) - Pleomorphic adenoma  
South Carolina (Medical University of South Carolina) - Pleomorphic adenoma  
Texas, Crystal Beach - Myoepithelioma  
Texas, Lubbock - Cellular pleomorphic adenoma  
West Virginia (Greenbrier Valley Medical Center) - Pleomorphic adenoma  
Australia (Royal Hobart Hospital) - Pleomorphic adenoma  
Australia (Royal Prince Alfred Hospital) - Pleomorphic adenoma  
Canada (Pasqua Hospital) - Pleomorphic adenoma  
Ireland (Kerry General Hospital) - Pleomorphic salivary adenoma  
Ireland (Mayo General Hospital) - Pleomorphic adenoma, benign mixed tumor  
Japan (Lions Mansion Nijyo Ekimae) - Pleomorphic adenoma, parotid gland  
Japan (Setagaya-Ku) - Pleomorphic adenoma  
Japan (University of Yamanashi) - Pleomorphic adenoma  
Oman (Khoulia Hospital) - Pleomorphic adenoma  
Spain (CHUVI Hospital) - Pleomorphic adenoma

#### **Case 4 - Diagnosis:**

Pleomorphic adenoma, parotid

#### **Case 4 - References:**

Clinical utility of fine needle aspiration cytology in pediatric parotid tumors. *Int J Pediatr Otorhinolaryngol* 2013; Aug;77(8): p1272-5. Lee DH; Yoon TM, et al.  
 Salivary gland pleomorphic adenoma with giant cell tumor component. *Int J Surg Pathol* 2013; Aug;21(4): p417-8.  
 Handra-Luca A; Benzakin S. Pleomorphic adenoma with mucinous and squamous differentiation: a mimicker of mucoepidermoid carcinoma. *Int J Surg Pathol* 2009; Aug;17(4): p335-7. Guo SP; Cheuk W; Chan JK.  
 Variables related to recurrence of pleomorphic adenomas: outcome of parotid surgery in 182 cases. *Laryngoscope* 2011; p Jul;121(7): p1467-72. Riad MA; Abdel-Rahman H, et al.  
 Pleomorphic adenoma (benign mixed tumour) of the salivary glands: its diverse clinical, radiological, and histopathological presentation. *Br J Oral Maxillofac Surg* 2011; Jan;49(1): p14-20. Lingam RK; Dagher AA, et al.  
 Pleomorphic adenoma of the salivary glands with intravascular tumor deposits: a diagnostic pitfall. *Am J Surg Pathol* 2012; Nov;36(11): p1674-82. Skalova A; Altemani A, et al.

**Case No. 5, Accession No. 31930**

**November 2014**

Glendale - Warthin tumor  
Hayward/Fremont (St. Rose Hospital) - Warthin tumor  
Long Beach (Long Beach Veterans Hospital) - Warthin tumor  
Oakland (Alameda County Medical Center) - Warthin tumor  
San Diego (Naval Medical Center Pathology Residents) - Warthin tumor  
San Francisco (San Francisco General Hospital) - Warthin tumor  
San Jose - Warthin tumor  
Santa Barbara (Miramonte Laboratory) - Warthin tumor

Torrence (Harbor-UCLA Medical Center) - Papillary cystadenoma lymphomatosum, Warthin tumor

Woodland Hills (Kaiser Permanente) - Warthin tumor

Arkansas (Associated Pathologists Laboratory) - Warthin tumor

Colorado, Ft. Collins - Warthin tumor

Connecticut (Danbury Hospital) - Warthin tumor

Delaware (Armed Forces Medical Examiner System) - Warthin tumor

Florida (Florida Atlantic University) - Warthin tumor

Florida (GastroEnterology Association of Ocala) - Warthin tumor

Georgia, Atlanta - Warthin tumor

Georgia (Wellstone Health System) - Warthin tumor (4)

Illinois (Heartland Regional Medical Center) - Warthin tumor

Illinois (Northwestern University) - Papillary cystadenoma lymphomatosum

Illinois, Oak Brook - Warthin tumor

Iowa (Allen Memorial Hospital) - Warthin tumor

Maryland (University of Maryland Medical Center) - Warthin tumor

Michigan (William Beaumont Hospital) - Warthin tumor

Minnesota (Fairview Ridges Hospital) - Warthin tumor

Missouri (Washington University) - Warthin tumor

Nebraska (Creighton University Medical Center) - Warthin tumor

New York (SUNY Health Science Center) - Warthin tumor

North Carolina (Eastern Carolina Pathology Associates) - Warthin tumor

Ohio (Summa Health System Residents) - Warthin tumor

Ohio (The University of Toledo Medical Center) - Warthin tumor

Pennsylvania (Drexel College of Medicine) - Warthin tumor

Pennsylvania (Lehigh Valley Hospital) - Warthin tumor

Puerto Rico (University of Puerto Rico) - Warthin tumor

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

Texas, Crystal Beach - Warthin tumor

Texas, Lubbock - Warthin tumor

West Virginia (Greenbrier Valley Medical Center) - Warthin tumor

Australia (Royal Hobart Hospital) - Warthin tumor

Australia (Royal Prince Alfred Hospital) - Warthin tumor

Canada (Pasqua Hospital) - Warthin tumor

Ireland (Kerry General Hospital) - Warthin tumor

Ireland (Mayo General Hospital) - Warthin adenoma

Japan (Lions Mansion Nijyo Ekimae) - Warthin tumor, parotid gland

Japan (Setagaya-Ku) - Warthin tumor

Japan (University of Yamanashi) - Warthin tumor

Oman (Khoulia Hospital) - Warthin tumor

Spain (CHUVI Hospital) - Warthin tumor

#### **Case 5 - Diagnosis:**

Warthin tumor, parotid gland

#### **Case 5 - References:**

Warthin tumors do not have microsatellite instability and express normal DNA mismatch repair proteins. *Arch Pathol Lab Med* 2006; Jan;130(1): p52-6. Hunt JL.

Fine needle aspiration cytology of Warthin-like tumor of the thyroid. *Acta Cytol* 2007; Jul-Aug;51(4): p667-8. Siddaraju N; Roy SK, et al.

Immunoglobulin class switching to IgG4 in Warthin tumor and analysis of serum IgG4 levels and IgG4-positive plasma cells in the tumor. *Hum Pathol* 2014; Apr;45(4): p793-801. Aga M; Kondo S, et al.

Warthin tumor of the parotid gland: study of 70 cases. *Rev Col Bras Cir* 2011 Mar-Apr;38(2): p90-4. Chedid HM; Rapoport A, et al.

Acute parotitis as a complication of fine-needle aspiration in Warthin tumor. A unique finding of a 3-year experience with parotid tumor aspiration. *Otolaryngol Head Neck Surg* 2006; Apr;134(4): p646-9. Bahar G; Dudkiewicz M, et al.



Glendale - Acinic cell adenocarcinoma  
Hayward/Fremont (St. Rose Hospital) - Acinic cell carcinoma  
Long Beach (Long Beach Veterans Hospital) - Acinic cell carcinoma  
Oakland (Alameda County Medical Center) - Acinic cell carcinoma (6)  
San Diego (Naval Medical Center Pathology Residents) - Acinic cell carcinoma  
San Francisco (San Francisco General Hospital) - Acinic cell carcinoma  
San Jose - Acinic cell carcinoma  
Santa Barbara (Miramonte Laboratory) - Mucoepidermoid carcinoma, low grade  
Torrence (Harbor-UCLA Medical Center) - Acinic cell carcinoma  
Woodland Hills (Kaiser Permanente) - Acinic cell carcinoma  
Arkansas (Associated Pathologists Laboratory) - Acinic cell carcinoma  
Colorado, Ft. Collins - Acinic cell carcinoma  
Connecticut (Danbury Hospital) - Acinic cell carcinoma  
Delaware (Armed Forces Medical Examiner System) - Acinic cell carcinoma  
Florida (Florida Atlantic University) - Acinic cell carcinoma  
Florida (GastroEnterology Association of Ocala) - Acinic cell carcinoma, dedifferentiated  
Georgia, Atlanta - Acinic cell carcinoma  
Georgia (Wellstone Health System) - Acinic cell adenocarcinoma (4)  
Illinois (Heartland Regional Medical Center) - Acinic cell adenocarcinoma  
Illinois (Northwestern University) - Acinic cell carcinoma  
Illinois, Oak Brook - Acinic cell carcinoma  
Iowa (Allen Memorial Hospital) - Acinic cell carcinoma  
Maryland (University of Maryland Medical Center) - Solid, acinic cell carcinoma  
Michigan (William Beaumont Hospital) - Acinic cell carcinoma  
Minnesota (Fairview Ridges Hospital) - Acinic cell carcinoma  
Missouri (Washington University) - Acinic cell carcinoma  
Nebraska (Creighton University Medical Center) - Acinic cell carcinoma  
New York (SUNY Health Science Center) - Acinic cell carcinoma  
North Carolina (Eastern Carolina Pathology Associates) - Acinic cell carcinoma  
Ohio (Summa Health System Residents) - Acinic cell carcinoma  
Ohio (The University of Toledo Medical Center) - Acinic cell carcinoma  
Pennsylvania (Drexel College of Medicine) - Acinic cell carcinoma  
Pennsylvania (Lehigh Valley Hospital) - Acinic cell carcinoma  
Puerto Rico (University of Puerto Rico) - Acinic cell carcinoma  
South Carolina (Medical University of South Carolina) - Acinic cell carcinoma  
Texas, Crystal Beach - Acinic cell carcinoma  
Texas, Lubbock - Acinic carcinoma  
West Virginia (Greenbrier Valley Medical Center) - Acinic cell carcinoma  
Australia (Royal Hobart Hospital) - Acinic cell carcinoma  
Australia (Royal Prince Alfred Hospital) - Acinic cell carcinoma  
Canada (Pasqua Hospital) - Acinic cell carcinoma  
Ireland (Kerry General Hospital) - Acinic cell carcinoma  
Ireland (Mayo General Hospital) - Acinic cell carcinoma  
Japan (Lions Mansion Nijyo Ekimae) - Acinic cell carcinoma, parotid gland  
Japan (Setagaya-Ku) - Sebaceous adenoma  
Japan (University of Yamanashi) - Acinic cell carcinoma  
Oman (Khoula Hospital) - Acinic cell carcinoma  
Spain (CHUVI Hospital) - Acinic cell carcinoma

**Case 6 - Diagnosis:**

Acinic cell carcinoma, parotid gland

**Case 6 - References:**

Analysis of acinic cell carcinoma of the parotid gland - 15 years experience. *Acta Otolaryngol* 2010; Dec;130(12): p1406-10. Lin WN; Huang HC, et al.  
Clinical and pathologic prognostic features in acinic cell carcinoma of the parotid gland. *Cancer* 2009; May 15;115(10): p2128-37. Gomez DR; Katabi N, et al.  
Synchronous bilateral acinic cell carcinoma of the parotid: when a tumor reveals another one. *Eur Ann Otorhinolaryngol Head Neck Dis* 2013; Feb;130(1): p22-5. Durand N; Mourrain-Langlois E, et al.  
Acinic cell carcinoma of the salivary glands: a literature review. *Hematol Oncol Stem Cell Ther* 2009;2(1): p259-64. Al-Zaher N; Obeid A, et al.  
Stromal reaction and prognosis in acinic cell carcinoma of the salivary gland. *Vojnosanit Pregl* 2013; Dec;70(12): p1155-8. Velickovic LJ; Dimov I, et al.  
Clinical characteristics and survival for major salivary gland malignancies in children. *Otolaryngol Head Neck Surg* 2006; Apr;134(4): p631-4. Shapiro NL; Bhattacharyya N

**Case No. 7, Accession No. 24497**

**November 2014**

Glendale - Sebaceous lymphadenoma

Hayward/Fremont (St. Rose Hospital) - Dermoid vs. sebaceous lymphadenoma

Long Beach (Long Beach Veterans Hospital) - Mucoepidermoid carcinoma, well-differentiated

Oakland (Alameda County Medical Center) - Sebaceous lymphadenoma

San Diego (Naval Medical Center Pathology Residents) - Sebaceous lymphadenoma

San Francisco (San Francisco General Hospital) - Warthin's tumor consistent with squamous metaplasia

San Jose - Mucoepidermoid carcinoma vs. sebaceous lymphangioma

Santa Barbara (Miramonte Laboratory) - Mucoepidermoid carcinoma, low grade

Torrence (Harbor-UCLA Medical Center) - Sebaceous lymphadenoma

Woodland Hills (Kaiser Permanente) - Sebaceous lymphadenoma

Arkansas (Associated Pathologists Laboratory) - Sebaceous lymphadenoma

Colorado, Ft. Collins - Sebaceous lymphadenoma

Connecticut (Danbury Hospital) - Sebaceous adenoma

Delaware (Armed Forces Medical Examiner System) - Sebaceous lymphadenoma

Florida (Florida Atlantic University) - Sebaceous lymphadenoma

Florida (GastroEnterology Association of Ocala) - Mucoepidermoid carcinoma, low grade (vs. sebaceous lymphadenoma)

Georgia, Atlanta - Sebaceous lymphadenoma

Georgia (Wellstone Health System) - Mucoepidermoid carcinoma (2); Sebaceous lymphadenoma vs. mucoepidermoid carcinoma (1); Chronic sialadenitis (1)

Illinois (Heartland Regional Medical Center) - Sebaceous lymphadenoma

Illinois (Northwestern University) - Sebaceous lymphadenoma

Illinois, Oak Brook - Lymphoepithelial cyst

Iowa (Allen Memorial Hospital) - Sebaceous lymphadenoma

Maryland (University of Maryland Medical Center) - Sebaceous lymphadenoma

Michigan (William Beaumont Hospital) - Sebaceous lymphadenoma

Minnesota (Fairview Ridges Hospital) - Sebaceous lymphadenoma

Missouri (Washington University) - Sebaceous lymphadenoma

Nebraska (Creighton University Medical Center) - Sebaceous lymphadenoma

New York (SUNY Health Science Center) - Sebaceous lymphadenoma

North Carolina (Eastern Carolina Pathology Associates) - Mucoepidermoid carcinoma

Ohio (Summa Health System Residents) - Chronic obstructive sialadenitis

Ohio (The University of Toledo Medical Center) - Sebaceous lymphadenoma

Pennsylvania (Drexel College of Medicine) - Lymphoepithelial cysts

Pennsylvania (Lehigh Valley Hospital) - Sebaceous lymphadenoma

Puerto Rico (University of Puerto Rico) - Sebaceous lymphadenoma, rule out Warthin tumor component

South Carolina (Medical University of South Carolina) - Sebaceous lymphadenoma

Texas, Crystal Beach - Sebaceous lymphadenoma with granulomatous reaction

Texas, Lubbock - Lymphoepithelial cyst

West Virginia (Greenbrier Valley Medical Center) - Mucoepidermoid carcinoma

Australia (Royal Hobart Hospital) - Sebaceous lymphadenoma, parotid  
Australia (Royal Prince Alfred Hospital) - Sebaceous lymphadenoma  
Canada (Pasqua Hospital) - Sebaceous adenoma  
Ireland (Kerry General Hospital) - Mucoepidermoid carcinoma, low grade  
Ireland (Mayo General Hospital) - Keratinous cysts  
Japan (Lions Mansion Nijyo Ekimae) - Sebaceous lymphadenoma, parotid gland  
Japan (Setagaya-Ku) - Sebaceous lymphadenoma  
Japan (University of Yamanashi) - Sebaceous lymphadenoma  
Oman (Khoula Hospital) - Sebaceous lymphadenoma  
Spain (CHUVI Hospital) - Sebaceous lymphadenoma

#### **Case 7 - Diagnosis:**

Sebaceous lymphadenoma, left parotid gland

#### **Case 7 - References:**

Sebaceous lymphadenoma of the parotid gland: a rare lesion masquerading as a metastatic node in an elderly male patient with mixed testicular germ cell tumour on chemotherapy. *Pathology* 2012; Aug;44(5): p474-6. Ganesh RN; Chaithra G  
 Sebaceous carcinoma of the parotid gland. *Diagn Cytopathol* 2013; Sep;41(9): p803-5. Kressin MK; Coogan AC.  
 A red cheek as first clinical sign of a sebaceous lymphadenocarcinoma of the parotid gland with lymphangiosis carcinomatosa and lymph node metastases. *Am J Dermatopathol* 2011; Jun;33(4): pe50-3. Claudius K; Ginzkey C, et al.  
 Cystic sebaceous lymphadenoma of the parotid gland: case report and review of the literature. *Pathologica* 2011; Apr;103(2): p32-9. Squillaci S; Marchione R; Piccolomini M.  
 Lymphadenoma of the salivary gland: clinicopathological and immunohistochemical analysis of 33 tumors. *Mod Pathol* 2012; Jan;25(1): p26-35. Seethala RR; Thompson LD; Gnepp DR; Barnes EL, et al.  
 Lymphadenoma of the parotid gland: cytological findings, tissue correlation and differential diagnosis. *Cytopathology* 2011; Dec;22(6): p418-20. De Las Casas LE; Kalamegham R, et al.

#### **Case No. 8, Accession No. 31748**

**November 2014**

Glendale - High-grade lymphoma  
Hayward/Fremont (St. Rose Hospital) - Metastatic neoplasm; consider melanoma  
Long Beach (Long Beach Veterans Hospital) - Large B-cell lymphoma  
Oakland (Alameda County Medical Center) - B-cell lymphoma , DLBCL  
San Diego (Naval Medical Center Pathology Residents) - Diffuse large B-cell lymphoma  
San Francisco (San Francisco General Hospital) - Diffuse large B-cell lymphoma  
San Jose - Diffuse large B-cell lymphoma  
Santa Barbara (Miramonte Laboratory) - Lymphoma  
Torrence (Harbor-UCLA Medical Center) - Diffuse large B-cell lymphoma, germinal center type  
Woodland Hills (Kaiser Permanente) - Follicular lymphoma  
Arkansas (Associated Pathologists Laboratory) - Diffuse large B-cell lymphoma  
Colorado, Ft. Collins - Diffuse large B-cell lymphoma  
Connecticut (Danbury Hospital) - Diffuse large B-cell lymphoma  
Delaware (Armed Forces Medical Examiner System) - Diffuse large B-cell lymphoma  
Florida (Florida Atlantic University) - Lymphoid neoplasm  
Florida (GastroEnterology Association of Ocala) - Large B-cell lymphoma  
Georgia, Atlanta - Diffuse large B-cell lymphoma  
Georgia (Wellstone Health System) - Large B-cell lymphoma (8)  
Illinois (Heartland Regional Medical Center) - Diffuse B-cell lymphoma, large cell, follicle center cell origin  
Illinois (Northwestern University) - DLBCL, GC type  
Illinois, Oak Brook - Primary cutaneous differentiated follicular B-cell lymphoma  
Iowa (Allen Memorial Hospital) - Diffuse large B-cell lymphoma  
Maryland (University of Maryland Medical Center) - Diffuse large B-cell lymphoma, germinal center type  
Michigan (William Beaumont Hospital) - Diffuse large B-cell lymphoma  
Minnesota (Fairview Ridges Hospital) - Diffuse large B-cell lymphoma  
Missouri (Washington University) - Diffuse large B-cell lymphoma  
Nebraska (Creighton University Medical Center) - Diffuse large B-cell lymphoma

New York (SUNY Health Science Center) - Diffuse large B-cell lymphoma  
North Carolina (Eastern Carolina Pathology Associates) - Primary CNS DLBCL  
Ohio (Summa Health System Residents) - Germinal center-type diffuse large B-cell lymphoma  
Ohio (The University of Toledo Medical Center) - Diffuse large B-cell lymphoma  
Pennsylvania (Drexel College of Medicine) - Diffuse large B-cell lymphoma  
Pennsylvania (Lehigh Valley Hospital) - Large cell lymphoma  
Puerto Rico (University of Puerto Rico) - DLBCL vs. 1ry cutaneous follicle center lymphoma  
South Carolina (Medical University of South Carolina) - Diffuse large B-cell lymphoma  
Texas, Crystal Beach - B-cell lymphoma, high grade  
Texas, Lubbock - Malignant lymphoma, large cell, B-cell type, diffuse  
West Virginia (Greenbrier Valley Medical Center) - B-cell lymphoma  
Australia (Royal Hobart Hospital) - Diffuse large B-cell lymphoma  
Australia (Royal Prince Alfred Hospital) - Diffuse large B-cell lymphoma  
Canada (Pasqua Hospital) - Large B-cell lymphoma  
Ireland (Kerry General Hospital) - Diffuse large B cell lymphoma  
Ireland (Mayo General Hospital) - Diffuse large B-cell lymphoma, high grade  
Japan (Lions Mansion Nijyo Ekimae) - Malignant lymphoma, diffuse large B-cell type, skull  
Japan (Setagaya-Ku) - Malignant lymphoma  
Japan (University of Yamanashi) - Diffuse large B-cell lymphoma  
Oman (Khoula Hospital) - Diffuse large B-cell lymphoma  
Spain (CHUVI Hospital) - Diffuse large B-cell lymphoma

#### **Case 8 - Diagnosis:**

Diffuse large B-cell (follicular) lymphoma, skull

#### **Case 8 - References:**

Prognostic value of the t(14; 18)(q32; q21) in patients with diffuse large B-cell lymphoma. *Cancer Invest* 2010; May;28(4): p376-80.  
 Abdel-Ghaffar H; El-Aziz SA; Shahin D; Degheidy H; Selim T; Elsobky E; Attwan N; Al-Tonbary YA.  
 Activation of the p53 pathway by the MDM2 inhibitor nutlin-3a overcomes BCL2 overexpression in a preclinical model of diffuse large B-cell lymphoma associated with t(14; 18)(q32; q21). *Leukemia* 2011; May;25(5): p856-67. Drakos E; Singh RR; Rassidakis GZ; Schlette E; Li J; Claret FX; Ford RJ; Vega F; Medeiros LJ.  
 Clinical features and prognosis of de novo diffuse large B-cell lymphoma with t(14; 18) and 8q24/c-MYC translocations. *Leukemia* 2009; Apr;23(4): p777-83. Niitsu N; Okamoto M; Miura I; Hirano M.  
 Serum C-reactive protein as an important prognostic variable in patients with diffuse large B cell lymphoma. *Tumour Biol* 2012 Aug;33(4): p1039-44. AU - Cao Y; Shi YX; Chen JO; Tan YT; Cai YC; Luo HY; Qiu MZ; Cai XY; Jin Y; Sun YL; Jiang WQ.  
 Burkitt lymphoma versus diffuse large B-cell lymphoma: a practical approach. *Hematol Oncol* 2009; Dec;27(4): p182-5. Bellan C; Stefano L; Giulia de F; Rogena EA; Lorenzo L.  
 Diffuse large B cell lymphoma without immunoglobulin light chain restriction by flow cytometry. *Acta Haematol* 2009;121(4): p196-201. Tomita N; Takeuchi K.

**Case No. 9, Accession No. 31839**

**November 2014**

Glendale - Olfactory neuroblastoma  
Hayward/Fremont (St. Rose Hospital) - Adamantinoma of bone  
Long Beach (Long Beach Veterans Hospital) - Neuroendocrine carcinoma  
Oakland (Alameda County Medical Center) - Olfactory neuroblastoma  
San Diego (Naval Medical Center Pathology Residents) - Small cell neuroendocrine carcinoma  
San Francisco (San Francisco General Hospital) - Merkel cell carcinoma  
San Jose - Basaloid squamous carcinoma  
Santa Barbara (Miramonte Laboratory) - Primitive neuroectodermal tumor  
Torrence (Harbor-UCLA Medical Center) - Malignant eccrine spiradenoma  
Woodland Hills (Kaiser Permanente) - Sinonasal undifferentiated carcinoma  
Arkansas (Associated Pathologists Laboratory) - Neuroblastoma  
Colorado, Ft. Collins - Desmoplastic medulloblastoma  
Connecticut (Danbury Hospital) - Sinusoidal undifferentiated carcinoma  
Delaware (Armed Forces Medical Examiner System) - Basaloid adenocarcinoma

Florida (Florida Atlantic University) - Olfactory neuroblastoma  
Florida (GastroEnterology Association of Ocala) - Desmoplastic small round cell tumor  
Georgia, Atlanta - Neuroendocrine carcinoma, thyroid primary  
Georgia (Wellstone Health System) - Neuroendocrine carcinoma (2); Poorly differentiated carcinoma, neuroendocrine (1); Basaloid squamous cell carcinoma (1)  
Illinois (Heartland Regional Medical Center) - Adenoid cystic carcinoma  
Illinois (Northwestern University) - Basaloid squamous vs. dedifferentiated adenoid cystic  
Illinois, Oak Brook - Eccrine Cylindroma  
Iowa (Allen Memorial Hospital) - Olfactory neuroblastoma  
Maryland (University of Maryland Medical Center) - Basaloid squamous cell carcinoma  
Michigan (William Beaumont Hospital) - Adenoid cystic carcinoma, solid variant  
Minnesota (Fairview Ridges Hospital) - Basaloid squamous cell carcinoma  
Missouri (Washington University) - Basaloid squamous cell carcinoma  
Nebraska (Creighton University Medical Center) - Olfactory neuroblastoma  
New York (SUNY Health Science Center) - Ameloblastic carcinoma  
North Carolina (Eastern Carolina Pathology Associates) - Metastatic carcinoma with neuroendocrine  
Ohio (Summa Health System Residents) - Basaloid carcinoma  
Ohio (The University of Toledo Medical Center) - Olfactory neuroblastoma  
Pennsylvania (Drexel College of Medicine) - Ameloblastic carcinoma  
Pennsylvania (Lehigh Valley Hospital) - Merkel cell carcinoma  
Puerto Rico (University of Puerto Rico) - Olfactory neuroblastoma  
South Carolina (Medical University of South Carolina) - Olfactory neuroblastoma  
Texas, Crystal Beach - Basal cell carcinoma  
Texas, Lubbock - Merkel cell variant  
West Virginia (Greenbrier Valley Medical Center) - Basal cell carcinoma  
Australia (Royal Hobart Hospital) - Ewing sarcoma/PNET  
Australia (Royal Prince Alfred Hospital) - Solid adenoid cystic carcinoma  
Canada (Pasqua Hospital) - Nasopharyngeal carcinoma basaloid  
Ireland (Kerry General Hospital) - Olfactory neuroblastoma  
Ireland (Mayo General Hospital) - Poorly differentiated small cell carcinoma  
Japan (Lions Mansion Nijyo Ekimae) - Craniopharyngioma, skull base  
Japan (Setagaya-Ku) - Basal cell carcinoma  
Japan (University of Yamanashi) - Small cell carcinoma (1); Metastatic basaloid squamous cell carcinoma (1)  
Oman (Khoula Hospital) - Basaloid adenoid cystic carcinoma (1); Basaloid squamous cell carcinoma (2)  
Spain (CHUVI Hospital) - Olfactory neuroblastoma

#### **Case 9 - Diagnosis:**

High grade adenoid cystic carcinoma, skull

#### **Case 9 - References:**

Intraoperative biopsy of the major cranial nerves in the surgical strategy for adenoid cystic carcinoma close to the skull base. *Oral Surg Oral Med Oral Pathol Oral Radiol* 2012; Feb;113(2): p214-21. Tarsitano A; Pizzigallo A, et al.  
 Skull invaders: when surgical pathology and neuropathology worlds collide. *J Neuropathol Exp Neurol* 2013; Jul;72(7): p600-13. Serracino HS; Kleinschmidt-Demasters BK.  
 Head and neck adenoid cystic carcinoma: what is new in biological markers and treatment? *Curr Opin Otolaryngol Head Neck Surg* 2013; Apr;21(2): p124-9. Bell D; Hanna EY.  
 Primary intraosseous adenoid cystic carcinoma of the jaw: clinical and histopathologic analysis. *J Oral Maxillofac Surg* 2014; Apr;72(4): p835.e1-10. Deng RX; Xu X, et al.  
 Unusual presentations of adenoid cystic carcinoma in extra-salivary gland subsites in head and neck region: a case series. *Indian J Otolaryngol Head Neck Surg* 2014; Jan;66(Suppl 1): p286-90 Biswas KD; Saha J, et al.

**Case No. 10, Accession No. 23330**

**November 2014**

Glendale - Papillary thyroid carcinoma, tall cell variant  
Hayward/Fremont (St. Rose Hospital) - Metastatic papillary thyroid carcinoma  
Long Beach (Long Beach Veterans Hospital) - Papillary thyroid carcinoma

Oakland (Alameda County Medical Center) - Metastatic papillary carcinoma, favor thyroid primary  
San Diego (Naval Medical Center Pathology Residents) - Malignant papillary neoplasm  
San Francisco (San Francisco General Hospital) - Metastatic papillary thyroid carcinoma  
San Jose - Papillary thyroid carcinoma; tall cell variant  
Santa Barbara (Miramonte Laboratory) - Metastatic papillary thyroid carcinoma  
Torrence (Harbor-UCLA Medical Center) - Metastatic papillary thyroid carcinoma  
Woodland Hills (Kaiser Permanente) - Metastatic papillary thyroid carcinoma  
Arkansas (Associated Pathologists Laboratory) - Metastatic papillary carcinoma of thyroid  
Colorado, Ft. Collins - Papillary thyroid carcinoma  
Connecticut (Danbury Hospital) - Papillary thyroid carcinoma, oncocyctic variant  
Delaware (Armed Forces Medical Examiner System) - Papillary thyroid carcinoma with oncocyctic features  
Florida (Florida Atlantic University) - Tall cell variant of papillary thyroid carcinoma  
Florida (GastroEnterology Association of Ocala) - Papillary carcinoma, probable thyroid  
Georgia, Atlanta - Papillary thyroid carcinoma  
Georgia (Wellstone Health System) - Papillary thyroid carcinoma (4)  
Illinois (Heartland Regional Medical Center) - Metastatic papillary carcinoma consistent with thyroid papillary carcinoma  
Illinois (Northwestern University) - Metastatic papillary thyroid carcinoma  
Illinois, Oak Brook - Papillary carcinoma, thyroid  
Iowa (Allen Memorial Hospital) - Metastatic papillary carcinoma of thyroid gland  
Maryland (University of Maryland Medical Center) - Metastatic papillary thyroid carcinoma with tall cell feature  
Michigan (William Beaumont Hospital) - Metastatic papillary thyroid carcinoma  
Minnesota (Fairview Ridges Hospital) - Metastatic papillary carcinoma of the thyroid, tall cell variant  
Missouri (Washington University) - Metastatic papillary thyroid carcinoma  
Nebraska (Creighton University Medical Center) - Papillary thyroid carcinoma, metastasis  
New York (SUNY Health Science Center) - Metastatic papillary thyroid carcinoma  
North Carolina (Eastern Carolina Pathology Associates) - Papillary thyroid carcinoma  
Ohio (Summa Health System Residents) - Papillary thyroid carcinoma  
Ohio (The University of Toledo Medical Center) - Metastatic papillary thyroid carcinoma  
Pennsylvania (Drexel College of Medicine) - Oncocyctic cystadenoma  
Pennsylvania (Lehigh Valley Hospital) - Metastatic adenocarcinoma  
Puerto Rico (University of Puerto Rico) - Metastatic thyroid carcinoma  
South Carolina (Medical University of South Carolina) - Metastatic papillary thyroid carcinoma  
Texas, Crystal Beach - Papillary oncocyctic adenoma  
Texas, Lubbock - Papillary carcinoma, tall cell variant  
West Virginia (Greenbrier Valley Medical Center) - Cystadenoma papilliferum  
Australia (Royal Hobart Hospital) - Metastatic papillary carcinoma, thyroid  
Australia (Royal Prince Alfred Hospital) - Metastatic papillary thyroid carcinoma  
Canada (Pasqua Hospital) - Thyroid papillary carcinoma  
Ireland (Kerry General Hospital) - Metastatic thyroid papillary carcinoma  
Ireland (Mayo General Hospital) - Papillary carcinoma of thyroid gland  
Japan (Lions Mansion Nijyo Ekimae) - Lymph node metastasis of thyroid carcinoma (papillary carcinoma, tall cell variant)  
Japan (Setagaya-Ku) - Metastatic adenocarcinoma, endometrioid  
Japan (University of Yamanashi) - Decubitus ulcer  
Oman (Khoula Hospital) - Papillary cystadenoma (1); Papillary thyroid carcinoma (2)  
Spain (CHUVI Hospital) - Thyroid papillary carcinoma (tall cell type)

#### **Case 10 - Diagnosis:**

Metastatic tubulopapillary renal cell carcinoma presenting as a lymph node metastasis in the neck

Following the excision of the neck metastasis, the thyroid gland was radiologically examined and was normal. However, a mass was found in the kidney that was called “tubulopapillary renal cell carcinoma.” (drc)

Case 10 - References:

Hereditary papillary renal cell carcinoma primarily diagnosed in a cervical lymph node: a case report of a 30-year-old woman with multiple metastases. *BMC Urol* 2013; 13:3 Behnes CL; Schlegel et al.  
Emerging insights into head and neck cancer metastasis. *Head Neck* 2013; Nov;35(11): p1669-78. Allen CT; Law JH, et al.