



CALIFORNIA  
TUMOR TISSUE REGISTRY

“TUMORS OF THE HEAD & NECK”

Minutes – Subscription B

March, 2004



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

The Role Of Open-Lung Biopsy Beneficial For ARDS. Patel SR, Karpaliotis D, et al: *Chest*, 2004 Jan; 125:197-202.

Association Studies Of Genetic Polymorphisms And Complex Disease. Cappuccio FP, Sagnella GA, MacGregor GA. *Lancet*, 2000 Apr; 355(9211):1277-78.

Prognostic Significance And Interobserver Variability Of Histologic Grading Systems For Endometrial Carcinoma. Scholten AN, Smit VTHBM, et al. *Cancer*, 2004 Feb 15; 100:764-72.

Deep Penetrating Naevus: Clinicopathological Study Of 31 Cases With Further Delineation Of Histological Features Allowing Distinction From Other Pigmented Benign Melanocytic Lesions And Melanoma. Robson A, Morley-Quante M, et al. *Histopathology*, 2003 Dec; 43:529-37.

Review Of The State Of The Art And Recommendations Of The Papanicolaou Society Of Cytopathology For Urinary Cytology Procedures And Reporting: The Papanicolaou Society Of Cytopathology Practice Guidelines Task Force. Layfield LJ, Elsheikh TM, et al. *Diagn Cytopathol*, 2004 Jan; 30:24-30.

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  
FAX: (909) 558-0188  
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 B**

**March, 2004**

**Case 1:**

**Barrett's esophagus with high grade dysplasia  
T-62000, M-74008**

**Case 2:**

**Pseudosarcomatous myofibroblastic proliferation, likely a variant of calcifying fibrous  
pseudotumor, neck  
T-Y0600, M-03090**

**Case 3:**

**Hemangiopericytoma/solitary fibrous tumor, chin  
T-Y0210, M-91501**

**Case 4:**

**Lobular capillary hemangioma, nasal cavity  
T-2X120, M-91310**

**Case 5:**

**Benign peripheral nerve sheath tumor, epiglottis  
T-24010, M-95600**

**Case 6:**

**Poorly-differentiated melanoma, scalp  
T-Y0160, M-87203**

**Case 7:**

**Acinic cell carcinoma, parotid gland  
T-55100, M-85503**

**Case 8:**

**Solitary fibrous tumor/hemangiopericytoma, posterior auricular region  
T-32110, M-91501**

**Case 9:**

**Pleomorphic adenoma, epiglottis  
T-24010, M-89400**

**Case 10:**

**Extranodal NK/T-cell lymphoma, nasal type (WHO classification), nasal cavity  
T-2X120, M-95903**

Duarte (City of Hope National Medical Center) - Barrett's with dysplasia  
Escondido - Barrett's esophagus with high grade dysplasia  
Glendale (Glendale Pathology Association) - Adenocarcinoma, intramucosal  
Granada Hills - Invasive adenocarcinoma, well-differentiated  
Sacramento (UC Davis Medical Center) - Barrett's esophagus with high grade dysplasia  
San Francisco (San Francisco General Hospital) - Adenocarcinoma, intestinal type  
Arizona (Phoenix Memorial Hospital) - High grade dysplasia in Barrett's esophagus  
Colorado, Denver - Barrett's esophagus with moderate dysplasia  
Florida (Winter Haven Hospital) - Adenocarcinoma in-situ, Barrett's esophagus (2)  
Florida, Ocala - Intramucosal adenocarcinoma  
Georgia, Decatur - Barrett's esophagus with high grade dysplasia  
Illinois (Heartland Regional Medical Center) - Barrett's esophagus with low grade dysplasia  
Kansas (Coffeyville Regional Medical Center) - Barrett's esophagus with low grade and focal high grade dysplasia  
Kentucky (University of Louisville Hospital) - Barrett's esophagus with high grade dysplasia/CIS  
Maryland (National Naval Medical Center) - Barrett's esophagus with high-grade dysplasia  
Michigan (Spectrum Health) - Barrett's with high grade dysplasia  
New York (Nassau University Medical Center) - Adenocarcinoma  
Pennsylvania (Allegheny General Hospital) - Barrett's with high grade dysplasia/CIS  
Pennsylvania (Drexel University College of Medicine) - Barrett's esophagus with high grade dysplasia  
Pennsylvania (Memorial Medical Center) - Adenocarcinoma  
Texas (Scott & White Hospital) - Barrett's esophagus with high grade dysplasia  
Texas, Lubbock - Barrett's esophagus with moderate dysplasia  
Texas, San Antonio - Esophageal adenocarcinoma  
Washington, D.C. - Adenocarcinoma, mucosal  
Canada (University of Calgary, Foothills Hospital) - Esophageal high grade dysplasia in the setting of Barrett's esophagus  
China (Sir Run Run Shaw Hospital) - Tubular adenoma, low-grade intraepithelial neoplasia  
Japan (Gunma University Hospital) - Adenocarcinoma  
Japan, Chiba - Well-differentiated adenocarcinoma arising in Barrett's esophagus  
Puerto Rico (University of Puerto Rico) - Adenocarcinoma  
Qatar, Doha - Adenocarcinoma in Barrett's esophagus  
Saudi Arabia - Adenocarcinoma in background of Barrett's esophagus  
Spain (Povisa) - Adenocarcinoma in Barrett's esophagus  
The Netherlands, Amstelveen - Barrett's mucosa of the esophagus with high grade dysplasia

**Case 1 - Diagnosis:**

**Barrett's esophagus with high grade dysplasia  
T-62000, M-74008**

**Director's Note:** Some slides also had in-situ carcinoma.

**Case 1 - References:**

De Vault KR, Castell DO: Updated Guidelines For the Diagnosis and Treatment of Gastroesophageal Reflux Disease. The Practice Parameters Committee of the American College of Gastroenterology. *Am J Gastroenterol*, 1999; 94(6):1434-42.  
Shaheen N, Ransohoff DF: Gastroesophageal Reflux, Barrett's Esophagus and Esophageal Cancer: Clinical Implications. *JAMA*, 2002 Apr; 287(15):1972-81.  
Ofman JJ, Dorn GH, Fennerty MB, Fass R: The Clinical and Economic Impact of Competing Management Strategies For Gastro-Esophageal Reflux Disease. *Aliment Pharmacol Ther*, 2002 Feb; 16(2):261-73. Review.  
Cameron AJ: Epidemiology of Columnar-Line Esophagus and Adenocarcinoma. *Gastroenterol Clin North Am*, 1997 Sep; 26(3):487-94.  
Mabrut JY, Baulieux J, Adham M, et al: Impact of Antireflux Operation on Columnar-Lined Esophagus. *J Am Coll Surg*, 2003 Jan; 196(1):60-7.

Duarte (City of Hope National Medical Center) - Hyaline fibromatosis  
Escondido - Neurothekeoma  
Glendale (Glendale Pathology Association) - Fibromatosis

Granada Hills - Leiomyoma  
Sacramento (UC Davis Medical Center) - Fibromatosis  
San Francisco (San Francisco General Hospital) - Extraskelatal chondroma  
Arizona (Phoenix Memorial Hospital) - Lipoleiomyoma with myxoid change  
Colorado, Denver - Leiomyosarcoma  
Florida (Winter Haven Hospital) - Fibromatosis with cartilaginous metaplasia (2)  
Florida, Ocala - Leioliopoma  
Georgia, Decatur - Fibrolipoma  
Illinois (Heartland Regional Medical Center) - Fibrolipomyoma  
Kansas (Coffeyville Regional Medical Center) - Muscular hamartoma  
Kentucky (University of Louisville Hospital) - Fibromatosis vs. nodular fasciitis  
Maryland (National Naval Medical Center) - Myofibroma (5); Nodular fasciitis (2); Spindle cell lipoma 92); Inflammatory myofibroblastic tumor (1)  
Michigan (Spectrum Health) - Nodular fasciitis  
New York (Nassau University Medical Center) - Spindle cell lipoma  
Pennsylvania (Allegheny General Hospital) - Low grade fibromyxoid sarcoma  
Pennsylvania (Drexel University College of Medicine) - Pseudosarcomatous reactive myofibroblastic proliferation  
Pennsylvania (Memorial Medical Center) - Myositis ossificans  
Texas (Scott & White Hospital) - Nodular fasciitis  
Texas, Lubbock - Myxoma  
Washington, D.C. - Fibrocartilaginous pseudotumor  
Canada (University of Calgary, Foothills Hospital) - Angiomyxoma  
China (Sir Run Run Shaw Hospital) - Myofibroblastoma  
Japan (Gunma University Hospital) - Fibromatosis  
Japan, Chiba - Aggressive angiomyxoma  
Puerto Rico (University of Puerto Rico) - Proliferative fasciitis/myolipoma  
Qatar, Doha - Nodular fasciitis  
Saudi Arabia - Rhabdomyoma (1), chondromyxoid lipoma (5)  
Spain (Povisa) - Low grade myofibroblastic sarcoma  
The Netherlands, Amstelveen - Soft tissue tumor, N.O.S.?

## **Case 2 - Diagnosis:**

**Pseudosarcomatous myofibroblastic proliferation, likely a variant of calcifying fibrous pseudo-tumor, neck**  
**T-Y0600, M-03090**

**Outside Consultation:** Bruce Beckwith, M.D.: Variant of Benign Fibrous Pseudo-Tumor.

## **Case 2 - References:**

Nascimento AF, Ruiz R, Hornick JL, Fletcher CD: Calcifying Fibrous 'Pseudotumor': Clinicopathologic Study of 15 Cases and Analysis of its Relationship to Inflammatory Myofibroblastic Tumor. *Int J Surg Pathol*, 2002 Jul; 10(3):189-96.  
 Maeda A, Kawabata K, Kusuzaki K: Rapid Recurrence of Calcifying Fibrous Pseudotumor (A Case Report). *Anticancer Res*, 2002 May-Jun; 22(3):1795-7.  
 Coffin CM, Watterson J, Priest JR, Dehner LP: Extrapulmonary Inflammatory Myofibroblastic Tumor (Inflammatory Pseudotumor): A Clinicopathologic and Immunohistochemical Study of 84 Cases. *Am J Surg Pathol*, 1995 Aug; 19(8):859-72.  
 Fetsch JF, Montgomery EA, Meis JM: Calcifying Fibrous Pseudotumor. *Am J Surg Pathol*, 1993 May; 17(5):502-8.

## **Case No. 3, Accession No. 28369**

**March, 2004**

Duarte (City of Hope National Medical Center) - Kaposi's sarcoma  
Escondido - Solitary fibrous tumor  
Glendale (Glendale Pathology Association) - Dermatofibrosarcoma protuberans versus hemangiopericytoma  
Granada Hills - Leiomyosarcoma  
Sacramento (UC Davis Medical Center) - Solitary fibrous tumor  
San Francisco (San Francisco General Hospital) - Hemangiopericytoma  
Arizona (Phoenix Memorial Hospital) - Dermatofibrosarcoma protuberans  
Colorado, Denver - Malignant fibrous histiocytoma  
Florida (Winter Haven Hospital) - Nodular fasciitis (2)  
Florida, Ocala - Fibrous histiocytoma

Georgia, Decatur - Dermatofibrosarcoma protuberans  
Illinois (Heartland Regional Medical Center) - Deep fibrous histiocytoma  
Kansas (Coffeyville Regional Medical Center) - Fibrous histiocytoma  
Kentucky (University of Louisville Hospital) - DFSP vs. hemangiopericytoma  
Maryland (National Naval Medical Center) - Benign fibrohistiocytoma, deep (3); Hemangiopericytoma (7)  
Michigan (Spectrum Health) - Fibrous histiocytoma  
New York (Nassau University Medical Center) - Hemangiopericytoma  
Pennsylvania (Allegheny General Hospital) - DFSP  
Pennsylvania (Drexel University College of Medicine) - Hemangiopericytoma  
Pennsylvania (Memorial Medical Center) - Leiomyoma  
Texas (Scott & White Hospital) - Solitary fibrous tumor  
Texas, Lubbock - Dermatofibrosarcoma protuberans  
Texas, San Antonio - DFSP (dermatofibrosarcoma protuberans)  
Washington, D.C. - Fibrous histiocytoma, cellular  
Canada (University of Calgary, Foothills Hospital) - Cellular benign fibrous histiocytoma  
China (Sir Run Run Shaw Hospital) - Dermatofibrosarcoma protuberans  
Japan (Gunma University Hospital) - Solitary fibrous tumor  
Japan, Chiba - Kaposi's sarcoma  
Puerto Rico (University of Puerto Rico) - Perineurioma  
Qatar, Doha - Hemangiopericytoma  
Saudi Arabia - Hemangiopericytoma, chin  
Spain (Povisa) - Nodular fasciitis  
The Netherlands, Amstelveen - Solitary fibrous tumor

### **CASE 3 - Diagnosis:**

**Hemangiopericytoma/solitary fibrous tumor, chin**  
**T-Y0210, M-91501**

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

Kim KJ, Jee MS, Koh GJ, et al: Cutaneous Malignant Hemangiopericytoma With Unusual Clinical Behavior. *J Dermatol*, 2002 May; 29(5):323-4.  
 Mazzci M, Millanta F, Citi S, et al: Haemangiopericytoma: Histological Spectrum, Immunohistochemical Characterization and Prognosis. *Vet Dermatol*, 2002 Feb; 13(1):15-21.  
 Constantinides H, Toh C, Warfield AT, Johnson AP: Haemangiopericytoma of the Submental Region. *J Laryngol Otol*, 2002 Nov; 116(1):969-72.  
 Espat NJ, Lewis JJ, Leung D, et al: Conventional Hemangiopericytoma: Modern Analysis of Outcome. *Cancer*, 2002 Oct 15; 95(8):1746-51.  
 Guillou L, Gebhard S, Coindre JM: Lipomatous Hemangiopericytoma: A Fat-Containing Variant Of Solitary Fibrous Tumor? Clinicopathologic, Immunohistochemical, And Ultrastructural Analysis Of A Series In Favor Of A Unifying Concept. *Hum Pathol*, 2000 Sep; 31(9):1108-15.  
 Hardisson D, Cuevas-Santos J, Contreras F: Solitary Fibrous Tumor Of The Skin. *J Am Acad Dermatol*, 2002 Feb; 46(2 Suppl Case Reports):pS37-40.

### **Case No. 4, Accession No. 29140**

**March, 2004**

Duarte (City of Hope National Medical Center) - Lobular capillary hemangioma  
Escondido - Hemangiopericytoma  
Glendale (Glendale Pathology Association) - Pyogenic granuloma  
Granada Hills - Angiofibroma  
Sacramento (UC Davis Medical Center) - Cellular hemangioma  
San Francisco (San Francisco General Hospital) - Lobular capillary hemangioma  
Arizona (Phoenix Memorial Hospital) - Lobulated capillary hemangioma  
Colorado, Denver - Hemangioma  
Florida (Winter Haven Hospital) - Pyogenic granuloma (2)  
Florida, Ocala - Pyogenic granuloma  
Georgia, Decatur - Pyogenic granuloma  
Illinois (Heartland Regional Medical Center) - Hemangioma  
Kansas (Coffeyville Regional Medical Center) - Nasal hemangiopericytoma  
Kentucky (University of Louisville Hospital) - Pyogenic granuloma/capillary lobular hemangioma  
Maryland (National Naval Medical Center) - Pyogenic granuloma

Michigan (Spectrum Health) - Hemangiopericytoma  
New York (Nassau University Medical Center) - Lobular capillary hemangioma  
Pennsylvania (Allegheny General Hospital) - Pyogenic granuloma  
Pennsylvania (Drexel University College of Medicine) - Pyogenic granuloma  
Pennsylvania (Memorial Medical Center) - Angiofibroma  
Texas (Scott & White Hospital) - Pyogenic granuloma  
Texas, Lubbock - Hemangiopericytoma  
Texas, San Antonio - Hemangiopericytoma  
Washington, D.C. - Granuloma gravidarum  
Canada (University of Calgary, Foothills Hospital) - Pyogenic granuloma  
China (Sir Run Run Shaw Hospital) - Kaposiform hemangioendothelioma  
Japan (Gunma University Hospital) - Granuloma pyogenicum  
Japan, Chiba - Lobular capillary hemangioma  
Puerto Rico (University of Puerto Rico) - Lobular capillary hemangioma/angiofibroma  
Qatar, Doha - Hemangiopericytoma-like tumor of nasal passages  
Saudi Arabia - Lobular capillary hemangioma, nasal mass  
Spain (Povisa) - Lobular capillary hemangioma  
The Netherlands, Amstelveen - Hemangioma

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

**Lobular capillary hemangioma, nasal cavity**  
**T-2X120, M-91310**

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

Iwata N, Hattori K, Nakagawa T, Tsujimura T: Hemangioma of the Nasal Cavity: A Clinicopathologic Study. *Auris Nasus Larynx*, 2002 Oct; 29(4):335-9.  
 Bizakis J, Nikolidakis A, Panayiotides J, et al: Vascular Tumours of the Nasal Septum. *J Otolaryngol*, 2002 Jun; 31(3):170-2.  
 Denk MJ, Ajkay N, Yuan X, et al: Surgical Treatment of Nasal Hemangiomas. *Ann Plast Surg*, 2002 May; 48(5):489-94, discussion 494-5.  
 Ortiz JM, Bhattacharyya N: Management Pitfalls in the Use of Embolization For the Treatment of Severe Epistaxis. *Ear Nose Throat J*, 2002 Mar; 81(3):178-83.

**Case No. 5, Accession No. 29422**

**March, 2004**

Duarte (City of Hope National Medical Center) - Neurofibroma  
Escondido - Neurofibroma  
Glendale (Glendale Pathology Association) - Benign peripheral nerve sheath tumor  
Granada Hills - Laryngeal nodule  
Sacramento (UC Davis Medical Center) - Schwannoma  
San Francisco (San Francisco General Hospital) - Solitary neurofibroma  
Arizona (Phoenix Memorial Hospital) - Neurofibroma  
Colorado, Denver - Leiomyoma  
Florida (Winter Haven Hospital) - Neurofibroma (2)  
Florida, Ocala - Neurofibroma  
Georgia, Decatur - Neurofibroma  
Illinois (Heartland Regional Medical Center) - Neurilemmoma  
Kansas (Coffeyville Regional Medical Center) - Neurofibroma  
Kentucky (University of Louisville Hospital) - Neurofibroma  
Maryland (National Naval Medical Center) - Benign peripheral nerve sheath tumor (8); Spindle cell carcinoma (2)  
Michigan (Spectrum Health) - Schwannoma  
New York (Nassau University Medical Center) - Leiomyoma  
Pennsylvania (Allegheny General Hospital) - Neurofibroma  
Pennsylvania (Drexel University College of Medicine) - Soft tissue perineurioma  
Pennsylvania (Memorial Medical Center) - Neurofibroma  
Texas (Scott & White Hospital) - Schwannoma  
Texas, Lubbock - Neurilemmoma  
Texas, San Antonio - GCF  
Washington, D.C. - Neurofibroma  
Canada (University of Calgary, Foothills Hospital) - Neurofibroma  
China (Sir Run Run Shaw Hospital) - Neuroma

Japan (Gunma University Hospital) - Neurofibroma  
Japan, Chiba - Solitary fibrous tumor  
Puerto Rico (University of Puerto Rico) - Leiomyoma/laryngeal nodule  
Qatar, Doha - Neurofibroma  
Saudi Arabia - Fibroepithelial polyp, epiglottis  
Spain (Povisa) - Neurothekeoma  
The Netherlands, Amstelveen - Fibroma

**Case 5 - Diagnosis:**

**Benign peripheral nerve sheath tumor, epiglottis**  
**T-24010, M-95600**

**Case 5 - References:**

Chiapasco M, Ronchi P, Scola G: Neurilemmoma (Schwannoma) of the Oral Cavity: A Report of 2 Clinical Cases. *Minerva Stomatol*, 1993 Apr; 42(4):173-8.  
 Lopez JL, Ballestin C: Intraoral Schwannoma: A Clinicopathologic and Immunohistochemical Study of Nine Cases. *Arch Anat Cytol Pathol*, 1993; 41(1):18-23.  
 Heifetz SA, Sadove AM, Joyner ML, Davidson D: Intraoral Plexiform (Multinodular) Neurilemmoma. *Pediatr Pathol*, 1991 May-Jun; 11(3):457-65.  
 Colin W: Trigeminal Intraoral Schwannomas. *Compendium*, 1990 Nov; 11(11):672, 674-7.

**Case No. 6, Accession No. 29621**

**March, 2004**

Duarte (City of Hope National Medical Center) - Melanoma  
Escondido - Melanoma  
Glendale (Glendale Pathology Association) - Melanoma  
Granada Hills - Langerhans' cell histiocytosis  
Sacramento (UC Davis Medical Center) - Melanoma  
San Francisco (San Francisco General Hospital) - Malignant granular cell tumor  
Arizona (Phoenix Memorial Hospital) - Malignant melanoma  
Colorado, Denver - Malignant melanoma  
Florida (Winter Haven Hospital) - Melanoma (2)  
Florida, Ocala - Melanoma  
Georgia, Decatur - Melanoma  
Illinois (Heartland Regional Medical Center) - Malignant melanoma  
Kansas (Coffeyville Regional Medical Center) - Epithelioid MPNST (malignant peripheral nerve sheath tumor)  
Kentucky (University of Louisville Hospital) - Melanoma vs. MPNST with rhabdoid differentiation  
Maryland (National Naval Medical Center) - Malignant peripheral nerve sheath tumor (5); Malignant melanoma (4)  
Michigan (Spectrum Health) - MPNST, epithelioid  
New York (Nassau University Medical Center) - Epithelioid malignant peripheral nerve sheath tumor  
Pennsylvania (Allegheny General Hospital) - Melanoma  
Pennsylvania (Drexel University College of Medicine) - Alveolar soft part sarcoma  
Pennsylvania (Memorial Medical Center) - Melanoma  
Texas (Scott & White Hospital) - Extra-skeletal myxoid chondrosarcoma  
Texas, Lubbock - Rhabdoid tumor  
Washington, D.C. - Malignant peripheral nerve sheath tumor  
Canada (University of Calgary, Foothills Hospital) - Malignant melanoma  
Japan (Gunma University Hospital) - Epithelioid MPNST (malignant peripheral nerve sheath tumor)  
Japan, Chiba - Langerhan's cell histiocytosis  
Puerto Rico (University of Puerto Rico) - Malignant melanoma  
Qatar, Doha - Epithelioid malignant peripheral nerve sheath tumor  
Saudi Arabia - Epithelioid malignant peripheral nerve sheath tumor  
Spain (Povisa) - Rhabdoid extra-renal malignant tumor  
The Netherlands, Amstelveen - Rhabdoid meningioma

**Case 6 - Diagnosis:**

**Poorly-differentiated melanoma, scalp**  
**T-Y0160, M-87203**

#### Case 6 - References:

- Phieffer LS, Jones EC, Tonneson MG, Kriegel DA: Melanoma of the Scalp: An Underdiagnosed Malignancy? *Cutis*, 2002 May; 69(5):362-4.
- Wenzel S, Metternich FU, Sagowski C, et al: Cutaneous Malignant Melanoma in the Area of the Head and Neck With Intermediate Tumor Thickness: Does Primary Site Have Prognostic Relevance? *Laryngorhinootologie*, 2001 Jun; 80(6):313-7.
- Hofbauer GF, Schaefer C, Noppen C, et al: MAGE-3 Immunoreactivity In Formalin-Fixed, Paraffin-Embedded Primary Metastatic Melanoma: Frequency and Distribution. *Am J Pathol*, 1997 Dec; 151(6):1549.
- Averbook BJ, Fu P, Rao JS, Mansour EG: A Long-Term Analysis of 1018 Patients With Melanoma By Classic Cox Regression and Tree- Structured Survival Analysis At A Major Referral Center: Implications On the Future of Cancer Staging. *Surgery*, 2002 Oct; 132(4):589-604.

#### **Case No. 7, Accession No. 29618**

**March, 2004**

Duarte (City of Hope National Medical Center) - Acinic cell carcinoma  
Escondido - Acinic cell adenocarcinoma with lymphoid stroma  
Glendale (Glendale Pathology Association) - Metastatic carcinoma  
Granada Hills - Warthin tumor  
Sacramento (UC Davis Medical Center) - Salivary duct carcinoma with oncocytic differentiation  
San Francisco (San Francisco General Hospital) - Malignant oncocytoma  
Arizona (Phoenix Memorial Hospital) - Mucoepidermoid carcinoma, high grade  
Colorado, Denver - Acinar cell carcinoma  
Florida (Winter Haven Hospital) - Adenocarcinoma (1); Adenocarcinoma, primary vs. metastatic (1)  
Florida, Ocala - Polymorphous low grade adenocarcinoma  
Georgia, Decatur - Acinic cell carcinoma  
Illinois (Heartland Regional Medical Center) - Adenocarcinoma  
Kansas (Coffeyville Regional Medical Center) - Salivary duct carcinoma  
Kentucky (University of Louisville Hospital) - Acinic cell carcinoma  
Maryland (National Naval Medical Center) - Acinic cell adenocarcinoma (8); High grade adenocarcinoma, NOS (1)  
Michigan (Spectrum Health) - Acinic cell carcinoma  
New York (Nassau University Medical Center) - Acinic cell carcinoma  
Pennsylvania (Allegheny General Hospital) - Poorly-differentiated adenocarcinoma  
Pennsylvania (Drexel University College of Medicine) - Acinar cell carcinoma  
Pennsylvania (Memorial Medical Center) - Mucoepidermoid carcinoma  
Texas (Scott & White Hospital) - Acinic cell carcinoma  
Texas, Lubbock - Acinic carcinoma  
Texas, San Antonio - Rule out mets  
Washington, D.C. - Adenocarcinoma, oxyphillic  
Canada (University of Calgary, Foothills Hospital) - Acinic cell carcinoma  
China (Sir Run Run Shaw Hospital) - Acinic cell carcinoma  
Japan (Gunma University Hospital) - Acinic cell carcinoma  
Japan, Chiba - Salivary duct carcinoma  
Puerto Rico (University of Puerto Rico) - Acinic cell carcinoma  
Qatar, Doha - Acinic cell carcinoma  
Saudi Arabia - Adenocarcinoma, NOS  
Spain (Povisa) - Acinic cell carcinoma, oncocytic variant, with lymphoid stroma  
The Netherlands, Amstelveen - Acinic cell carcinoma of the parotid

#### Case 7 - Diagnosis:

**Acinic cell carcinoma, parotid gland  
T-55100, M-85503**

#### Case 7 - References:

- Federspil PA, Constantinidis J, Karapantzos I, et al: Acinic Cell Carcinomas of the Parotid Gland: A Retrospective Analysis. *HNO*, 2001 Oct; 49(1):825-30.
- Sheyn I, Yassin R, Seiden A, Nestok BR: Papillary-Cystic Variant of Acinic Cell Carcinoma of the Salivary Gland Diagnosed By Fine Needle Aspiration Biopsy: A Case Report. *Acta Cytol*, 2000 Nov-Dec; 44(6):1073-6.
- Barbashina V, Harawi S: Pathology Quiz Case. Acinic Cell Adenocarcinoma of Accessory Right Parotid Gland. *Arch Pathol Lab Med*, 2000 Dec; 124(12):1835-6.
- Sapei T, Yildirim G, Peker K, et al: Acinic Cell Carcinoma Originating in the Nasal Septum. *Rhinology*, 2000 Sep; 38(3):140-3.



Miliauskas JR, Orell SR: Acinic Cell Carcinoma Arising in Pleomorphic Adenoma of Parotid Gland. *Cytopathology*, 2000 Oct; 11(5):356-9.  
Wahlberg P, Anderson II, Biorklund A, et al: Carcinoma of the Parotid and Submandibular Glands--A Study of Survival in 2465 Patients. *Oral Oncol*, 2002 Oct; 38(7):706-13.

**Case No. 8, Accession No. 29994**

**March, 2004**

Duarte (City of Hope National Medical Center) - Hemangiopericytoma  
Escondido - Solitary fibrous tumor  
Glendale (Glendale Pathology Association) - Giant cell adenofibroma versus myofibroblastoma  
Granada Hills - Vascular leiomyosarcoma  
Sacramento (UC Davis Medical Center) - Solitary fibrous tumor  
San Francisco (San Francisco General Hospital) - Solitary fibrous tumor  
Arizona (Phoenix Memorial Hospital) - Solitary fibrous tumor  
Colorado, Denver - Plexiform neurofibroma  
Florida (Winter Haven Hospital) - Dermatofibrosarcoma protuberans (2)  
Florida, Ocala - Dermatofibrosarcoma protuberans  
Georgia, Decatur - Solitary fibrous tumor  
Illinois (Heartland Regional Medical Center) - Solitary fibrous tumor  
Kansas (Coffeyville Regional Medical Center) - Myofibroma  
Kentucky (University of Louisville Hospital) - DFSP  
Maryland (National Naval Medical Center) - Solitary fibrous tumor/hemangiopericytoma  
Michigan (Spectrum Health) - Hemangiopericytoma  
New York (Nassau University Medical Center) - Solitary fibrous tumor  
Pennsylvania (Allegheny General Hospital) - Solitary fibrous tumor  
Pennsylvania (Drexel University College of Medicine) - Solitary fibrous tumor  
Pennsylvania (Memorial Medical Center) - Solitary fibrous tumor  
Texas (Scott & White Hospital) - Solitary fibrous tumor  
Texas, Lubbock - Hemangioendothelioma  
Texas, San Antonio - ? SFT  
Washington, D.C. - Hemangiopericytoma  
Canada (University of Calgary, Foothills Hospital) - Spindle cell lipoma  
China (Sir Run Run Shaw Hospital) - Solitary fibrous tumor  
Japan (Gunma University Hospital) - Dermatofibrosarcoma protuberans  
Japan, Chiba - Hemangiopericytoma  
Puerto Rico (University of Puerto Rico) - Dermatofibrosarcoma protuberans  
Qatar, Doha - Solitary fibrous tumor  
Saudi Arabia - Solitary fibrous tumor  
Spain (Povisa) - Dermatofibrosarcoma protuberans vs. solitary fibrous tumor  
The Netherlands, Amstelveen - Solitary fibrous tumor (auricular area)

**Case 8 - Diagnosis:**

**Solitary fibrous tumor/hemangiopericytoma, posterior auricular region  
T-32110, M-91501**

**Case 8 - References:**

Hasegawa T, Hirose T, Seki K, et al: Solitary Fibrous Tumor of the Soft Tissue: An Immunohistochemical and Ultrastructural Study. *Am J Clin Pathol*, 1996; 106:325-31.  
Gangopadhyay K, Taibah K, Manohar MB, Kfoury H: Solitary Fibrous Tumor of the Parapharyngeal Space: A Case Report and Review of the Literature. *Ear Nose Throat J*, 1996; 75:681-4.  
Nielsen GP, O'Connell JX, Dickersin GR, Rosenberg AE: Solitary Fibrous Tumor of Soft Tissue: A Report of 15 Cases, Including Five Malignant Examples With Light Microscopic, Immunohistochemical, and Ultrastructural Data. *Mod Pathol*, 1997; 10:1028-37.  
Hanau CA, Miettinen M: Solitary Fibrous Tumor: Histological and Immunohistochemical Spectrum of Benign and Malignant Variants Presenting at Different Sites. *Hum Pathol*, 1995; 26:440-9.

Duarte (City of Hope National Medical Center) - Pleomorphic adenoma, myoepithelium predominant  
Escondido - Salivary duct adenocarcinoma  
Glendale (Glendale Pathology Association) - Myoepithelial-rich pleomorphic adenoma versus myoepithelioma  
Granada Hills - Pleomorphic adenoma  
Sacramento (UC Davis Medical Center) - Mucoepidermoid carcinoma  
San Francisco (San Francisco General Hospital) - Polymorphous low grade adenocarcinoma  
Arizona (Phoenix Memorial Hospital) - Rhabdoid tumor, extra-renal  
Colorado, Denver - Adenocarcinoma  
Florida (Winter Haven Hospital) - Myxoid chondrosarcoma (2)  
Florida, Ocala - Myoepithelioma  
Georgia, Decatur - Pleomorphic adenoma  
Illinois (Heartland Regional Medical Center) - Oncocytic cystadenoma of minor salivary glands  
Kansas (Coffeyville Regional Medical Center) - Mucoepidermoid carcinoma  
Kentucky (University of Louisville Hospital) - Chordoma vs. monomorphic adenoma  
Maryland (National Naval Medical Center) - Pleomorphic adenoma (6); Low-grade carcinoma, possibly mucoepidermoid carcinoma (5)  
Michigan (Spectrum Health) - Mixed tumor  
New York (Nassau University Medical Center) - Polymorphous low grade adenocarcinoma  
Pennsylvania (Allegheny General Hospital) - Myoepithelial carcinoma  
Pennsylvania (Drexel University College of Medicine) - Myoepithelioma  
Pennsylvania (Memorial Medical Center) - Mucoepidermoid carcinoma  
Texas (Scott & White Hospital) - Myoepithelial carcinoma  
Texas, Lubbock - Metastatic adenocarcinoma  
Texas, San Antonio - Mixed tumor  
Washington, D.C. - Mixed tumor  
Canada (University of Calgary, Foothills Hospital) - Mixed tumor (pleomorphic adenoma)  
China (Sir Run Run Shaw Hospital) - Myoepithelioma  
Japan (Gunma University Hospital) - Myoepithelioma  
Japan, Chiba - Mucinous eccrine carcinoma  
Puerto Rico (University of Puerto Rico) - Benign tumor with rhabdoid features  
Qatar, Doha - Myoepithelioma  
Saudi Arabia - Pleomorphic adenoma  
Spain (Povisa) - Myoepithelioma with plasmacytoid cells  
The Netherlands, Amstelveen - Neuroendocrine carcinoma

**Case 9 - Diagnosis:**

**Pleomorphic adenoma, epiglottis**  
**T-24010, M-89400**

**Case 9 - References:**

Zakzouk MS: Pleomorphic Adenoma of the Larynx. *J Laryngol Otol*, 1985 Jun; 99(6):611-6.  
 Jokinen K, Seppala A, Palva A: Laryngeal Pleomorphic Adenoma. *J Laryngol Otol*, 1974 Nov; 88(11):1131-4.  
 Argat M, Born IA, Maier II, Mohadjer C: Pleomorphic Adenoma of the Larynx. *Eur Arch Otorhinolaryngol*, 1994; 251(5):304-8.  
 Dubey SP, Banerjee S, Ghosh LM, Roy S: Benign Pleomorphic Adenoma of the Larynx: Report of a Case and Review and Analysis of 20 Additional Cases in the Literature. *Ear Nose Throat J*, 1997 Aug; 76(8):548-50, 552, 554-7. Review.

Duarte (City of Hope National Medical Center) - NK cell lymphoma  
Escondido - T-cell lymphoma, NK type  
Glendale (Glendale Pathology Association) - Lymphoma  
Granada Hills - Natural killer cell lymphoma  
Sacramento (UC Davis Medical Center) - NK cell lymphoma  
San Francisco (San Francisco General Hospital) - T-cell lymphoma, natural killer cell type  
Arizona (Phoenix Memorial Hospital) - Extranodal NK/T-cell lymphoma, nasal type  
Colorado, Denver - T-cell lymphoma  
Florida (Winter Haven Hospital) - Rule out infection, consistent with lymphoma (1); Lymphoma (1)

Florida, Ocala - Aggressive NK lymphoma  
Georgia, Decatur - Extranodal NK/T-cell lymphoma, nasal type  
Illinois (Heartland Regional Medical Center) - Malignant lymphoma, diffuse, favor extranodal NK/T cell type  
Kansas (Coffeyville Regional Medical Center) - NK cell lymphoma (T-cell)  
Kentucky (University of Louisville Hospital) - NK T-cell lymphoma  
Maryland (National Naval Medical Center) - Extranodal NK-cell lymphoma, nasal type  
Michigan (Spectrum Health) - Nasal NK lymphoma  
New York (Nassau University Medical Center) - Extranodal NK/T cell lymphoma, nasal type  
Pennsylvania (Allegheny General Hospital) - T-cell lymphoma  
Pennsylvania (Drexel University College of Medicine) - Extranodal NK/T-cell lymphoma, nasal type  
Pennsylvania (Memorial Medical Center) - Nasal angiocentric T-cell lymphoma  
Texas (Scott & White Hospital) - NK/T-cell lymphoma  
Texas, Lubbock - T-cell lymphoma  
Texas, San Antonio - T/NK lymphoma  
Washington, D.C. - Sinonasal T/NK cell lymphoma  
Canada (University of Calgary, Foothills Hospital) - NK/T-cell nasal lymphoma  
China (Sir Run Run Shaw Hospital) - Non-Hodgkin's malignant lymphoma, T-cell type  
Japan (Gunma University Hospital) - NK/T lymphoma  
Japan, Chiba - Extranodal NK/T-cell lymphoma, nasal type  
Puerto Rico (University of Puerto Rico) - Extranodal NK/T-cell lymphoma  
Qatar, Doha - Angiocentric "T" cell lymphoma  
Saudi Arabia - Nasal natural killer/T-cell lymphoma  
Spain (Povisa) - NK/T-cell lymphoma  
The Netherlands, Amstelveen - Sino-nasal T/NK cell lymphoma

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

**Extranodal NK/T-cell lymphoma, nasal type (WHO classification), nasal cavity**  
**T-2X120, M-95903**

#### **Case 10 - References:**

- Ohshima K, Liu O, Koga T, et al: Classification of Cell Lineage and Anatomical Site, and Prognosis of Extranodal T-Cell Lymphoma--Natural Killer Cell, Cytotoxic T Lymphocyte, and Non-NK/CTL types. *Virchows Arch*, 2002 Apr; 440(4):425-35.
- Takahashi N, Miura I, Chubachi A, et al: A Clinicopathological Study of 20 Patients With T/Natural Killer (NK)-Cell Lymphoma-Associated Hemophagocytic Syndrome With Special Reference to Nasal and Nasal-Type NK/T Cell Lymphoma. *Int J Hematol*, 2001 Oct; 74(3):303-8.
- Jaffe ES: Lymphoid Lesions of the Head and Neck: A Model of Lymphocyte Homing and Lymphomagenesis. *Mod Pathol*, 2002 Mar; 15(3):255-63. Review.
- Cho EY, Gong G, Khang SK, et al: Fine Needle Aspiration Cytology of CD56-positive Natural Killer/T-Cell Lymphoma of Soft Tissue. *Cancer*, 2002 Dec 25; 96(6):344-50.
- Stadlmann S, Fend F, Moser P, et al: Epstein-Barr Virus-Associated Extranodal NK/T-Cell Lymphoma, Nasal Type of the Hypopharynx, in a Renal Allograft Recipient: Case Report and Review of Literature. *Hum Pathol*, 2001 Nov; 32(11):Review.
- Santucci M, Pimpinelli N, Massi D, et al: Cytotoxic/Natural Killer Cell Cutaneous Lymphomas: Report of EORTC Cutaneous Lymphoma Task Force Workshop. *Cancer*, 2003 Feb 1; 97(3):610-27.