



CALIFORNIA  
TUMOR TISSUE REGISTRY

*GENERAL PATHOLOGY*

Minutes – Subscription A

May 2009



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

Human Breast Duct Anatomy, The 'Sick Lobe' Hypothesis and Intraductal Approaches to Breast Cancer.  
Going JJ; Mohun TJ. *Breast Cancer Res Treat* 2006 Jun;97(3): p285-91.

Terminal Duct Lobular Units Are Scarce in the Nipple: Implications for Prophylactic Nipple-Sparing  
Mastectomy: Terminal Duct Lobular Units in the Nipple. Stoler AJ; Wang J. *Ann Surg Oncol* 2008  
Feb;15(2): p438-42.

Intestinal and Oncocytic Variants of Pancreatic Intraepithelial Neoplasia. A Morphological and  
Immunohistochemical Study. Albores-Saavedra J; Wu J; Crook T; Amirkhan RH; Jones L; Hruban RH. *Ann*  
*Diagn Pathol* 2005 Apr;9(2): p69-76.

Distinguishing Benign Dissecting Mucin (Stromal Mucin Pools) from Invasive Mucinous Carcinoma.  
Molavi D; Argani P. *Adv Anat Pathol* 2008 Jan;15(1): p1-17

Epithelioid Sarcoma of Enzinger. Fisher C. *Adv Anat Pathol* 2006 May;13(3): p114-21

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 A**

**May 2009**

**Case 1:**

Juvenile xanthogranuloma, skin of back  
T-Y1100, M-55380

**Case 2:**

Giant cell tumor of tendon sheath (Nodular tenosynovitis/Localized GCTTS), ankle  
T-Y4500, D-3350

**Case 3:**

Cemento-ossifying fibroma, mandible  
T-10180, F-61020

**Case 4:**

Ameloblastoma, mandible  
T-10180, M-93100

**Case 5:**

Meningioma, predominately transitional  
T-Y2000, M-95370

**Case 6:**

Thymoma, type B, anterior mediastinum  
T-08360, M-85800

**Case 7:**

Thymolipoma, anterior mediastinum  
T-Y2300, M-85800

**Case 8:**

Partially luteinized thecoma, ovary  
T-87000, M-86000

**Case 9:**

Adult granulosa cell tumor, ovary  
T-87000, M-86201

**Case 10:**

Chorangioma, placenta  
T-88100, M-91200

Alameda County Medical Center - Langerhans cell histiocytosis  
Baldwin Park (Kaiser Permanente) - Xanthogranuloma (3)  
Fontana (Kaiser Permanente) - Juvenile xanthogranuloma  
Hayward – Fremont - Xanthoma, NOC  
Long Beach - Histiocytosis x (2)  
Oakland - Epithelioid hemangioma  
Oxnard (St. John’s Regional Medical Center) - Hibernoma  
Pleasant Hill - Xanthogranuloma  
San Diego - Lipoblastoma  
San Diego (Naval Medical Center) - Juvenile xanthogranuloma  
Santa Barbara - Hibernoma  
Colorado (McKee Medical Center) - Xanthoma  
Colorado (University of Colorado) - Xanthogranuloma  
Florida (Global Pathology Laboratory Services) - Juvenile xanthogranuloma (3)  
Florida (Naples Pathology Associates) - Congenital self-healing histiocytosis  
Florida (Space Coast Pathology) - Hibernoma  
Georgia, Decatur - Juvenile xanthogranuloma  
Illinois, Burr Ridge - Juvenile xanthogranuloma  
Illinois, Chicago - Juvenile xanthogranuloma (2)  
Illinois (Heartland Regional Medical Center) - Juvenile xanthogranuloma  
Illinois (MacNeal Hospital) - Langerhan cell histiocytosis x, skin of back  
Illinois, Oak Brook - Xanthoma  
Louisiana (Baton Rouge) - Xanthogranuloma  
Louisiana (Pathology Group of Louisiana) - Xanthogranuloma  
Louisiana (LSU Medical Center) - Juvenile xanthogranuloma  
Maryland (University of Maryland Medical Center) - Juvenile xanthogranuloma  
Michigan (Oakwood Hospital) - Juvenile xanthogranuloma  
Mississippi (The University of Mississippi) - Lipidized juvenile xanthogranuloma  
Missouri (Missouri Delta Medical Center) - Xanthoma  
Nebraska (Creighton University Medical Center) - Juvenile xanthogranuloma  
New Mexico, Albuquerque - Histiocytosis x (Langerhans cell disease)  
New York (Albany Medical Center) - Tuberous xanthoma  
New York (Fairview Ridges Hospital) - Juvenile xanthogranuloma  
New York (Long Island Jewish Medical Center) - Juvenile xanthogranuloma  
New York (Roosevelt Hospital) - Hibernoma  
New York (St. Joseph Hospital) - Juvenile xanthogranuloma  
New York (St. Lukes Roosevelt Hospital) - Hibernoma  
New York (Stony Brook University Hospital) - Juvenile xanthogranuloma  
North Carolina (North Carolina Baptist Hospital) - Juvenile xanthogranuloma  
North Carolina (Pathologists Medical Laboratory) - Juvenile xanthogranuloma  
Ohio (University of Toledo) - Xanthoma  
Oregon (OHSU) - Juvenile xanthogranuloma  
Pennsylvania (Conemaugh Valley Memorial Hospital) - Xanthoma  
Pennsylvania (Drexel University College of Medicine) - Juvenile xanthogranuloma  
Pennsylvania (Lehigh Valley Hospital) - Xanthogranuloma  
Pennsylvania (Magee Women’s Hospital) - Juvenile xanthogranuloma  
Puerto Rico (University of Puerto Rico) - Juvenile xanthogranuloma/xanthoma/rule out Langerhan cell histiocytosis  
Texas, Crystal Beach - Histiocytoma  
Texas, Houston - Chronic disseminated histiocytosis  
Texas, Lubbock - Fibroxanthoma  
Texas (Scott & White Memorial Hospital) - Juvenile xanthogranuloma  
Texas, Shavanno Park - Juvenile xanthogranuloma  
Washington, Bothell - Xanthoma vs. xanthogranuloma  
Washington, Seattle - Atypical fibroxanthoma  
West Virginia (Greenbrier Valley Medical Center) - Xanthogranuloma

Australia (Royal Hobart Hospital) - Juvenile xanthogranuloma  
Canada (Pasqua Hospital) - Juvenile xanthogranuloma  
Ireland (Beaumont Hospital) - Langerhans cell histiocytosis  
Ireland, Mater Hospital, Dublin) - Juvenile xanthogranuloma  
Ireland (Kerry General Hospital) - Cutaneous xanthoma  
Japan (Asahi General Hospital) - Juvenile xanthogranuloma  
Japan (Kyoto University Hospital) - Xanthogranuloma, skin, back  
Japan (Shizuoka Tokshukai Hospital) - Juvenile xanthogranuloma  
The Netherlands, Amstelveen - Juvenile xanthogranuloma  
United Kingdom (Oxford Study Group) - Xanthogranuloma

#### **Case 1 - Diagnosis:**

Juvenile xanthogranuloma, skin of back  
 T-Y1100, M-55380

#### **Case 1 - References:**

Hu JY; Alston JL; Williams JV. An infant with Extensive Cutaneous Nodular Juvenile Xanthogranuloma and Hyperlipidemia. *J Am Acad Dermatol* 2007 Feb;56(2 Suppl): pS54-5.  
 Liu DT; Choi PC; Chan AY. Juvenile Xanthogranuloma in Childhood and Adolescence: A Clinicopathologic Study of 129 Patients From the Kiel Pediatric Tumor Registry. *Am J Surg Pathol* 2005 Aug;29(8): p1117; Author Reply 1117-8.  
 Dehner LP. Reawakening to the Existence of Juvenile Xanthogranuloma. *Am J Surg Pathol* 2005 Jan;29(1): p119-20.  
 Janssen D; Folster-Holst R; Harms D; Klapper W. Clonality in Juvenile Xanthogranuloma. *Am J Surg Pathol* 2007 May;31(5): p812-3.  
 Shoo BA; Shinkai K; McCalmont TH; Fox LP. Xanthogranulomas Associated with Hematologic Malignancy in Adulthood. *J Am Acad Dermatol* 2008 Sep;59(3): p488-93.

#### **Case No. 2, Accession No. 30836**

**May 2009**

Alameda County Medical Center - Xanthogranuloma  
Baldwin Park (Kaiser Permanente) - Giant cell tumor of tendon sheath (1); PVNS (1)  
Fontana (Kaiser Permanente) - Giant cell tumor of tendon sheath  
Hayward – Fremont - Xanthomatous GCTTS (nodular tenosynovitis)  
Long Beach - Giant cell tumor of the tendon sheath (2)  
Oakland - Xanthogranuloma/histiocytoma  
Oxnard (St. John's Regional Medical Center) - Fibrous histiocytoma  
Pleasant Hill - Xanthogranuloma  
San Diego - Juvenile xanthogranuloma  
San Diego (Naval Medical Center) - Giant cell tumor of tendon sheath  
Santa Barbara - Tenosynovial giant cell tumor  
Colorado (McKee Medical Center) - Reticulohistiocytoma  
Colorado (University of Colorado) - Diffuse type giant cell tumor/PVNS  
Florida (Global Pathology Laboratory Services) - Adult xanthogranuloma (3)  
Florida (Naples Pathology Associates) - Xanthogranuloma  
Georgia, Decatur - Pigmented villonodular synovitis  
Illinois, Burr Ridge - Tenosynovial giant cell tumor  
Illinois, Chicago - Benign fibrous histiocytoma (2)  
Illinois (Heartland Regional Medical Center) - Giant cell tumor of tendon sheath  
Illinois (MacNeal Hospital) - Villonodular synovitis/giant cell tumor of tendon sheath, right angle  
Illinois, Oak Brook - Giant cell tumor  
Louisiana (Baton Rouge) - Tenosynovial giant cell tumor  
Louisiana (Pathology Group of Louisiana) - Tenosynovial giant cell tumor  
Maryland (University of Maryland Medical Center) - Juvenile xanthogranuloma  
Michigan (Oakwood Hospital) - Xanthogranuloma

Mississippi (The University of Mississippi) - Giant cell tumor of tendon sheath  
Missouri (Missouri Delta Medical Center) - Xanthogranuloma  
Nebraska (Creighton University Medical Center) - Pigmented villonodular synovitis  
New Mexico, Albuquerque - Giant cell tumor of tendon sheath  
New York (Albany Medical Center) - Xanthogranuloma, adult type  
New York (Fairview Ridges Hospital) - Lipid-rich tenosynovial giant cell tumor  
New York (Long Island Jewish Medical Center) - Giant cell tumor  
New York (Roosevelt Hospital) - Giant cell tumor of tendon sheath  
New York (St. Joseph Hospital) - Giant cell tumor of tendon sheath  
New York (St. Lukes Roosevelt Hospital) - Giant cell tumor  
New York (Stony Brook University Hospital) - Pigmented villonodular synovitis  
North Carolina (North Carolina Baptist Hospital) - Ossifying fibroma  
North Carolina (Pathologists Medical Laboratory) - Giant cell tumor of tendon sheath  
Ohio (University of Toledo) - Atypical fibroxanthoma (AFX)  
Oregon (OHSU) - Pigmented villonodular synovitis/giant cell tumor of tenosynovium  
Pennsylvania (Conemaugh Valley Memorial Hospital) - Giant cell tumor of tendon sheath  
Pennsylvania (Drexel University College of Medicine) - Tenosynovial giant cell tumor  
Pennsylvania (Lehigh Valley Hospital) - Xanthogranuloma  
Pennsylvania (Magee Women's Hospital) - Giant cell tumor of tendon sheath  
Puerto Rico (University of Puerto Rico) - Diffuse type giant cell tumor  
Texas, Crystal Beach - Fibrous histiocytoma  
Texas, Houston - Xanthoma  
Texas, Lubbock - Fibroxanthoma  
Texas (Scott & White Memorial Hospital) - Giant cell tumor of tendon sheath  
Texas, Shavanno Park - Tenosynovial giant cell tumor consistent with xanthogranuloma  
Washington, Bothell - Xanthogranuloma  
Washington, Seattle - Pigmented villonodular synovitis  
West Virginia (Greenbrier Valley Medical Center) - Xanthoma  
Australia (Royal Hobart Hospital) - Giant cell tumor of tendon sheath  
Canada (Pasqua Hospital) - Giant cell tumor of tendon sheath  
Ireland (Beaumont Hospital) - Giant cell tumor of tendon sheath  
Ireland (Mater Hospital, Dublin) - Giant cell tumor of tendon sheath  
Ireland (Kerry General Hospital) - Juvenile xanthogranuloma  
Japan (Asahi General Hospital) - Giant cell tumor of tendon sheath  
Japan (Kyoto University Hospital) - Nodular tenosynovitis, right ankle  
Japan (Shizuoka Tokshukai Hospital) - Reticulohistiocytoma  
The Netherlands, Amstelveen - Giant cell tumor  
United Kingdom (Oxford Study Group) - PVNS

## **Case 2 - Diagnosis:**

Giant cell tumor of tendon sheath (Nodular tenosynovitis/Localized GCTTS), ankle  
 T-Y4500, D-3350

## **Case 2 - References:**

- Batra VV; Jain S; Singh DK; Kumar N. Cytomorphologic Spectrum of Giant Cell tumor of Tendon Sheath. *Acta Cytol* 2008 Mar-Apr;52(2): p152-8.  
 Gupta K; Dey P; Goldsmith R; Vasishta RK. Comparison of Cytologic Features of Giant-Cell Tumor and Giant-Cell Tumor of Tendon Sheath. *Diagn Cytopathol* 2004 Jan;30(1): p14-8.  
 Stefanato CM; Turner MS; Bhawan J. High-Pressure Paint-Gun Injury of the Finger Simulating Giant Cell Tumor of Tendon Sheath. *J Cutan Pathol* 2005 Feb;32(2): p179-83.  
 Akahane T; Nakatsuchi Y; Tateiwa Y. Recurrent Granulomatous Tenosynovitis of the Wrist and Finger Caused by Mycobacterium Intracellulare: A Case Report. *Diagn Microbiol Infect Dis* 2006 Sep;56(1): p99-101.

Alameda County Medical Center - Fibrous dysplasia  
Baldwin Park (Kaiser Permanente) - Ossifying fibroma (3)  
Fontana (Kaiser Permanente) - Fibrous dysplasia  
Hayward – Fremont - Fibrous dysplasia, monostotic  
Long Beach - Benign fibro-osseous lesion with dilated lymphoid vascular channels (1); Benign fibrous osseous lesion (1)  
Oakland - Cemento-ossifying fibroma  
Oxnard (St. John’s Regional Medical Center) - Fibrous dysplasia  
Pleasant Hill - Fibrous dysplasia  
San Diego - Fibrous dysplasia  
San Diego (Naval Medical Center) - Juvenile (active) ossifying fibroma  
Santa Barbara - Fibrous dysplasia  
Colorado (McKee Medical Center) - Fibrous dysplasia  
Colorado (University of Colorado) - Fibrous dysplasia  
Florida (Global Pathology Laboratory Services) - Ossifying fibroma (1); Cementifying fibroma (2)  
Florida (Naples Pathology Associates) - Fibrous dysplasia  
Florida (Space Coast Pathology) - Fibrous dysplasia  
Georgia, Decatur - Ossifying fibroma  
Illinois, Burr Ridge - Osteosarcoma  
Illinois, Chicago - Ossifying fibroma (2)  
Illinois (Heartland Regional Medical Center) - Fibrous dysplasia  
Illinois (MacNeal Hospital) - Cemento-ossifying fibroma, mandible  
Illinois, Oak Brook - Fibrous dysplasia  
Louisiana (Baton Rouge) - Fibrous dysplasia  
Louisiana (Pathology Group of Louisiana) - Fibrous dysplasia  
Louisiana (LSU Medical Center) - Fibrous dysplasia  
Maryland (University of Maryland Medical Center) - Fibrous dysplasia  
Michigan (Oakwood Hospital) - Fibrous dysplasia  
Mississippi (The University of Mississippi) - Cemento-ossifying fibroma  
Missouri (Missouri Delta Medical Center) - Fibrous dysplasia (benign fibro-osseous lesion)  
Nebraska (Creighton University Medical Center) - Fibrous dysplasia  
New Mexico, Albuquerque - Fibrous dysplasia  
New York (Albany Medical Center) - Fibrous dysplasia  
New York (Fairview Ridges Hospital) - Juvenile ossifying fibroma  
New York (Long Island Jewish Medical Center) - Ossifying fibroma  
New York (Roosevelt Hospital) - Osteofibrous dysplasia  
New York (St. Joseph Hospital) - Fibrous dysplasia  
New York (St. Lukes Roosevelt Hospital) - Fibrous dysplasia  
New York (Stony Brook University Hospital) - Fibrous dysplasia/ossifying fibroma  
North Carolina (North Carolina Baptist Hospital) - Ossifying fibroma  
North Carolina (Pathologists Medical Laboratory) - Fibrous dysplasia  
Ohio (University of Toledo) - Cemento-ossifying fibroma  
Oregon (OHSU) - Fibrous dysplasia  
Pennsylvania (Conemaugh Valley Memorial Hospital) - Mucoepidermoid carcinoma, well-differentiated  
Pennsylvania (Drexel University College of Medicine) - Fibrous dysplasia  
Pennsylvania (Lehigh Valley Hospital) - Fibrous dysplasia  
Pennsylvania (Magee Women’s Hospital) - Cemento ossifying fibroma  
Puerto Rico (University of Puerto Rico) - Fibrous dysplasia/cementifying fibroma  
Texas, Crystal Beach - Juvenile ossifying fibroma  
Texas, Houston - Fibrous dysplasia  
Texas, Lubbock - Fibrous dysplasia  
Texas (Scott & White Memorial Hospital) - Benign fibro-osseous tumor  
Texas, Shavanno Park - Fibrous dysplasia  
Washington, Bothell - Osteosarcoma, low grade  
Washington, Seattle - Benign bone tumor

West Virginia (Greenbrier Valley Medical Center) - Fibrous dysplasia  
Australia (Royal Hobart Hospital) - Fibrous dysplasia  
Canada (Pasqua Hospital) - Ossifying fibroma  
Ireland (Beaumont Hospital) - Cementoma  
Ireland (Mater Hospital, Dublin) - Fibrous dysplasia  
Ireland (Kerry General Hospital) - Cemento-ossifying fibroma  
Japan (Asahi General Hospital) - Osteoblastoma  
Japan (Kyoto University Hospital) - Ossifying fibroma (cemento-ossifying fibroma), mandible  
Japan (Shizuoka Tokshukai Hospital) - Fibrous dysplasia  
The Netherlands, Amstelveen - Calcification odontogenic tumor  
United Kingdom (Oxford Study Group) - Fibrous dysplasia

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

Cemento-ossifying fibroma, mandible  
 T-10180, F-61020

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

Passos M; Azevedo R; Janini ME; Maia LC. Peripheral cemento-Ossifying Fibroma in a Child: A Case Report. *J Clin Pediatr Dent* 2007 Fall;32(1): p57-9.  
 Civelek B; Oktem F; Karamursel S; Celebioglu S. A Rare Entity: Cemento-Ossifying Fibroma. *Plast Reconstr Surg* 2005 Dec;116(7): p2049-50.  
 Juneja M; Kamboj M. Juvenile Ossifying Fibroma of Maxilla: Report of a Case. *J Clin Pediatr Dent* 2008 Fall;33(1): p55-8.  
 Galvan O; Gassner EM; Neher A; Gunkel AR. Fibro-Osseous Lesion of the Middle Turbinate: Ossifying Fibroma or Fibrous Dysplasia? *J Laryngol Otol* 2007 Dec;121(12): p1201-3.  
 Harimaya A; Tsubota H; Hoki K; Sato J; Kondo A; Yamada T; Seki N; Ikeda H; Himi T. Ossifying Fibroma of the Mandible with Primary Hyperparathyroidism Due to Non-Familial Parathyroid Adenoma. *J Laryngol Otol* 2007 Mar;121(3): p281-4.

### **Case No. 4, Accession No. 30841**

**May 2009**

Alameda County Medical Center - Ameloblastoma  
Baldwin Park (Kaiser Permanente) - Ameloblastoma (3)  
Fontana (Kaiser Permanente) - Ameloblastoma  
Hayward – Fremont - Adamantinoma  
Long Beach - Ameloblastoma  
Oakland - Ameloblastoma  
Oxnard (St. John's Regional Medical Center) - Ameloblastoma  
Pleasant Hill - Ameloblastoma  
San Diego - Ameloblastoma  
San Diego (Naval Medical Center) - Ameloblastoma  
Santa Barbara - Ameloblastoma  
Colorado (McKee Medical Center) - Ameloblastoma  
Colorado (University of Colorado) - Ameloblastoma  
Florida (Global Pathology Laboratory Services) - Adamantinoma (1); Ameloblastoma (2)  
Florida (Naples Pathology Associates) - Ameloblastoma  
Florida (Space Coast Pathology) - Ameloblastoma  
Georgia, Decatur - Ameloblastoma  
Illinois, Burr Ridge - Ameloblastoma  
Illinois, Chicago - Ameloblastoma (2)  
Illinois (Heartland Regional Medical Center) - Ameloblastoma, solid type  
Illinois (MacNeal Hospital) - Adenomeloblastoma, right mandible  
Illinois, Oak Brook - Ameloblastoma  
Louisiana (Baton Rouge) - Ameloblastoma

Louisiana (Pathology Group of Louisiana) - Ameloblastoma  
Louisiana (LSU Medical Center) - Ameloblastoma  
Maryland (University of Maryland Medical Center) - Ameloblastoma  
Michigan (Oakwood Hospital) - Ameloblastoma  
Mississippi (The University of Mississippi) - Ameloblastoma  
Missouri (Missouri Delta Medical Center) - Ameloblastoma  
Nebraska (Creighton University Medical Center) - Ameloblastoma  
New Mexico, Albuquerque - Ameloblastoma  
New York (Albany Medical Center) - Ameloblastoma  
New York (Fairview Ridges Hospital) - Ameloblastoma  
New York (Long Island Jewish Medical Center) - Ameloblastoma  
New York (Roosevelt Hospital) - Ameloblastoma  
New York (St. Joseph Hospital) - Ameloblastoma  
New York (St. Lukes Roosevelt Hospital) - Ameloblastoma  
New York (Stony Brook University Hospital) - Ameloblastoma  
North Carolina (North Carolina Baptist Hospital) - Ameloblastoma  
North Carolina (Pathologists Medical Laboratory) - Ameloblastoma  
Ohio (University of Toledo) - Adamantinoma (ameloblastoma)  
Oregon (OHSU) - Ameloblastoma  
Pennsylvania (Conemaugh Valley Memorial Hospital) - Ameloblastoma  
Pennsylvania (Drexel University College of Medicine) - Ameloblastoma  
Pennsylvania (Lehigh Valley Hospital) - Ameloblastoma  
Pennsylvania (Magee Women's Hospital) - Ameloblastoma  
Puerto Rico (University of Puerto Rico) - Ameloblastoma  
Texas, Crystal Beach - Ameloblastoma  
Texas, Houston - Ameloblastoma  
Texas, Lubbock - Ameloblastoma  
Texas (Scott & White Memorial Hospital) - Ameloblastoma  
Texas, Shavanno Park - Ameloblastoma  
Washington, Bothell - Adenomatoid odontogenic tumor  
Washington, Seattle - Adamantinoma  
West Virginia (Greenbrier Valley Medical Center) - Ameloblastoma  
Australia (Royal Hobart Hospital) - Ameloblastoma  
Canada (Pasqua Hospital) - Ameloblastoma  
Ireland (Beaumont Hospital) - Ameloblastoma  
Ireland, Mater Hospital, Dublin - Ameloblastoma  
Ireland (Kerry General Hospital) - Ameloblastoma  
Japan (Asahi General Hospital) - Ameloblastoma  
Japan (Kyoto University Hospital) - Ameloblastoma, mandible  
Japan (Shizuoka Tokshukai Hospital) - Ameloblastoma  
The Netherlands, Amstelveen - Ameloblastoma  
United Kingdom (Oxford Study Group) - Ameloblastoma

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

Ameloblastoma, mandible  
 T-10180, M-93100

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

- Vanoven BJ; Parker NP; Petruzzelli GJ. Peripheral Ameloblastoma of the Maxilla: a Case Report and Literature Review. *Am J Otolaryngol* 2008 Sep-Oct;29(5): p357-60.  
 Qureshi SS; Qureshi SS; Medhi SS; Kane SV. Unicystic Ameloblastoma of the Mandible Masquerading As Carcinoma of the Oral Cavity in a 10-Year-Old Girl. *Am J Surg* 2008 Sep;196(3): pe7-9.  
 Iezzi G; Piattelli A; Rubini C; Artese L; Goteri G; Fioroni M; Carinci F. CD10 Expression in Stromal Cells of Ameloblastoma Variants. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 2008 Feb;105(2): p206-9.



De Villiers P; Liu H; Suggs C; Simmons D; Daly B; Zhang S; Raubenheimer E; Larsson A; Wright T. Calretinin Expression in the Differential Diagnosis of Human Ameloblastoma and Keratocystic Odontogenic Tumor. *Am J Surg Pathol* 2008 Feb;32(2): p256-60.

Punnya AV; Rekha K. "Ameloblastoma with Mucous Cells": Review of Literature and Presentation of 2 Cases. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 2008 Dec;106(6): pe20-6.

**Case No. 5, Accession No. 30997**

**May 2009**

Alameda County Medical Center - Meningioma  
Baldwin Park (Kaiser Permanente) - Meningioma (3)  
Fontana (Kaiser Permanente) - Meningioma  
Hayward – Fremont - Meningioma, fibrous  
Long Beach - Meningioma (2)  
Oakland - Meningioma  
Pleasant Hill - Meningioma  
San Diego - Meningioma  
San Diego (Naval Medical Center) - Meningioma, WHO, Grade I  
Santa Barbara - Meningioma  
Colorado (McKee Medical Center) - Meningioma  
Colorado (University of Colorado) - Schwannoma  
Florida (Global Pathology Laboratory Services) - Angioblastic meningioma (1); Meningioma (1)  
Florida (Naples Pathology Associates) - Meningioma  
Florida (Space Coast Pathology) - Meningioma  
Georgia, Decatur - Meningioma  
Illinois, Burr Ridge - Benign metastasizing leiomyoma  
Illinois, Chicago - Meningioma (2)  
Illinois (Heartland Regional Medical Center) - Meningioma, transitional  
Illinois (MacNeal Hospital) - Intraventricular meningioma (fibrous), brain  
Illinois, Oak Brook - Transitional meningioma  
Louisiana (Baton Rouge) - Meningioma  
Louisiana (Pathology Group of Louisiana) - Meningioma  
Louisiana (LSU Medical Center) - Meningioma  
Maryland (University of Maryland Medical Center) - Intraventricular meningioma  
Michigan (Oakwood Hospital) - Meningioma  
Mississippi (The University of Mississippi) - Meningioma, meningothelial  
Missouri (Missouri Delta Medical Center) - Meningioma  
Nebraska (Creighton University Medical Center) - Meningothelial meningioma, grade I  
New Mexico, Albuquerque - Meningioma  
New York (Albany Medical Center) - Meningioma  
New York (Fairview Ridges Hospital) - Meningioma  
New York (Long Island Jewish Medical Center) - Meningioma  
New York (Roosevelt Hospital) - Meningioma  
New York (St. Joseph Hospital) - Meningioma  
New York (St. Lukes Roosevelt Hospital) - Meningioma  
New York (Stony Brook University Hospital) - Meningioma  
North Carolina (North Carolina Baptist Hospital) - Meningioma  
North Carolina (Pathologists Medical Laboratory) - Meningioma, fibrous variant  
Ohio (University of Toledo) - Transitional meningioma  
Oregon (OHSU) - Meningioma  
Pennsylvania (Conemaugh Valley Memorial Hospital) - Meningioma  
Pennsylvania (Drexel University College of Medicine) - Meningioma  
Pennsylvania (Lehigh Valley Hospital) - Meningioma  
Pennsylvania (Magee Women's Hospital) - Fibroblastic thymoma  
Puerto Rico (University of Puerto Rico) - Meningioma  
Texas, Crystal Beach - Intraventricular meningioma

Texas, Houston - Meningioma  
Texas, Lubbock - Meningioma  
Texas (Scott & White Memorial Hospital) - Fibrous meningioma  
Texas, Shavanno Park - Meningioma  
Washington, Bothell - Metastatic carcinoma  
Washington, Seattle - Meningioma  
West Virginia (Greenbrier Valley Medical Center) - Fibrous meningioma  
Australia (Royal Hobart Hospital) - Fibroblastic meningioma  
Canada (Pasqua Hospital) - Meningioma  
Ireland (Beaumont Hospital) - Meningioma  
Ireland, Mater Hospital, Dublin - Intraventricular fibroblastic meningioma  
Ireland (Kerry General Hospital) - Fibroblastic meningioma  
Japan (Asahi General Hospital) - Meningothelial meningioma  
Japan (Kyoto University Hospital) - Meningioma, brain  
Japan (Shizuoka Tokshukai Hospital) - Meningioma  
The Netherlands, Amstelveen - Meningioma  
United Kingdom (Oxford Study Group) - Meningioma

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

Meningioma, predominately transitional  
 T-Y2000, M-95370

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

von Randow AJ; Schindler S; Tews DS. Expression of Extracellular Matrix-Degrading Proteins in Classic, Atypical, and Anaplastic Meningiomas. *Pathol Res Pract* 2006;202(5): p365-72.  
 Laidlaw JD; Kumar A; Chan A. Dural Metastases Mimicking Meningioma. Case Report and Review of the Literature. *J Clin Neurosci* 2004 Sep;11(7): p780-3.  
 Ikota H; Nakazato Y. A Case of Metaplastic Meningioma with Extensive Xanthomatous Change. *Neuropathology* 2008 Aug;28(4): p422-6.  
 Mesothelin Expression in the Leptomeninges and Meningiomas. *J Histochem Cytochem* 2008 Jun;56(6): p579-85.  
 Fulkerson DH; Horner TG; Hattab EM. Histologically Benign Intraventricular Meningioma with Concurrent Pulmonary Metastasis: Case Report and Review of the Literature. *Clin Neurol Neurosurg* 2008 Apr;110(4): p416-9.

#### **Case No. 6, Accession No. 30987**

**May 2009**

Alameda County Medical Center - Thymoma  
Baldwin Park (Kaiser Permanente) - Thymic hyperplasia vs. thymoma (1); Thymoma (lymphocytic type) (1); Thymoma (1)  
Fontana (Kaiser Permanente) - Thymoma  
Hayward – Fremont - Thymoma, type B2  
Long Beach - Thymoma, lymphocyte predominant (2)  
Oakland - Thymoma  
Oxnard (St. John's Regional Medical Center) - Thymoma  
Pleasant Hill - Thymoma, type 1B  
San Diego - Thymoma  
San Diego (Naval Medical Center) - Thymoma B1  
Santa Barbara - B1 thymoma  
Colorado (McKee Medical Center) - Thymoma  
Colorado (University of Colorado) - Thymic Hodgkin's lymphoma  
Florida (Global Pathology Laboratory Services) - Lymphocytic predominant Hodgkins disease (1); Malignant lymphoma (2)  
Florida (Naples Pathology Associates) - Thymoma  
Florida (Space Coast Pathology) - Thymoma  
Georgia, Decatur - Hodgkin lymphoma, nodular sclerosing type

Illinois, Burr Ridge - Thymoma  
Illinois, Chicago - Nodular sclerosis Hodgkin lymphoma (2)  
Illinois (Heartland Regional Medical Center) - Thymoma, lymphocyte predominant  
Illinois (MacNeal Hospital) - Thymus, rule out thymoma, mediastinum  
Illinois, Oak Brook - Lymphoid hyperplasia, thymus  
Louisiana (Baton Rouge) - Thymoma  
Louisiana (Pathology Group of Louisiana) - Thymoma  
Louisiana (LSU Medical Center) - Thymoma  
Maryland (University of Maryland Medical Center) - Thymoma  
Michigan (Oakwood Hospital) - Thymoma  
Mississippi (The University of Mississippi) - Thymoma B1  
Missouri (Missouri Delta Medical Center) - Thymoma, type A, B  
Nebraska (Creighton University Medical Center) - B1 thymoma  
New Mexico, Albuquerque - Thymoma  
New York (Albany Medical Center) - Nodular sclerosis classical Hodgkin lymphoma  
New York (Fairview Ridges Hospital) - Thymoma  
New York (Long Island Jewish Medical Center) - B1 thymoma  
New York (Roosevelt Hospital) - Thymoma, type B  
New York (St. Joseph Hospital) - Thymic follicular hyperplasia  
New York (St. Lukes Roosevelt Hospital) - Thymoma B1  
New York (Stony Brook University Hospital) - Thymoma B1  
North Carolina (North Carolina Baptist Hospital) - B1 thymoma  
North Carolina (Pathologists Medical Laboratory) - Thymoma  
Ohio (University of Toledo) - Lymphocyte predominant thymoma  
Oregon (OHSU) - Lymphoma, need further workup  
Pennsylvania (Conemaugh Valley Memorial Hospital) - Thymic hyperplasia  
Pennsylvania (Drexel University College of Medicine) - Thymoma  
Pennsylvania (Lehigh Valley Hospital) - Thymoma  
Pennsylvania (Magee Women's Hospital) - Lymphocyte rich thymoma  
Puerto Rico (University of Puerto Rico) - Type B1 thymoma/rule out small lymphocytic lymphoma  
Texas, Crystal Beach - Thymoma, lymphocyte predominant  
Texas, Houston - Thymoma  
Texas, Lubbock - Thymoma  
Texas (Scott & White Memorial Hospital) - Thymoma  
Texas, Shavanno Park - Thymoma  
Washington, Bothell - Thymoma, lymphocyte predominant  
Washington, Seattle - Thymoma  
West Virginia (Greenbrier Valley Medical Center) - Thymoma  
Australia (Royal Hobart Hospital) - Thymoma (type B1)  
Canada (Pasqua Hospital) - Thymoma  
Ireland (Beaumont Hospital) - Thymoma type B1  
Ireland (Mater Hospital, Dublin) - Type B1 thymoma  
Ireland (Kerry General Hospital) - Type B2 thymoma  
Japan (Asahi General Hospital) - Type B1 thymoma  
Japan (Kyoto University Hospital) - Thymoma, type B1, mediastinum  
Japan (Shizuoka Tokshukai Hospital) - Predominantly cortical thymoma  
The Netherlands, Amstelveen - Thymoma  
United Kingdom (Oxford Study Group) - Thymoma (B2)

#### **Case 6 - Diagnosis:**

Thymoma, type B, anterior mediastinum  
 T-08360, M-85800

#### **Case 6 - References:**

Duwe BV; Sterman DH; Musani AI. Tumors of the Mediastinum. *Chest* 2005 Oct;128(4): p2893-909.

Chalabreysse L; Etienne-Mastroianni B; Adeleine P; Cordier JF; Greenland T; Thivolet-Bejui F. Thymic Carcinoma: a Clinicopathological and Immunohistological Study of 19 Cases. *Histopathology* 2004 Apr;44(4): p367-74.

Fujiwara T; Mizobuchi T; Noro M; Iwai N. Rapid Enlargement of a Mediastinal Mass: Thymoma Hemorrhage Into a Thymic Cyst. *Gen Thorac Cardiovasc Surg* 2008 Sep;56(9): p472-5.

Nakagawa K; Matsuno Y; Kunitoh H; Maeshima A; Asamura H; Tsuchiya R. Immunohistochemical KIT (CD117) Expression in Thymic Epithelial Tumors. *Chest* 2005 Jul;128(1): p140-4.

Moran CA; Suster S. "Ancient" (Sclerosing) Thymomas: A Clinicopathologic Study of 10 Cases. *Am J Clin Pathol* 2004 Jun;121(6): p867-71.

**Case No. 7, Accession No. 30937**

**May 2009**

Alameda County Medical Center - Thymolipoma

Baldwin Park (Kaiser Permanente) - Lipoma and lymphoma (3)

Fontana (Kaiser Permanente) - Lipoma

Hayward – Fremont - Thymolipoma

Long Beach - Thymolipoma (2)

Oakland - Residual thymus in lipoma

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

Pleasant Hill - Thymoma

San Diego - Thymolipoma

San Diego (Naval Medical Center) - Thymolipoma

Santa Barbara - Lipoma

Colorado (McKee Medical Center) - Thymic hyperplasia

Colorado (University of Colorado) - Thymoma

Florida (Global Pathology Laboratory Services) - Lymphocytic thymoma (3)

Florida (Naples Pathology Associates) - Thymolipoma

Florida (Space Coast Pathology) - Thymolipoma

Georgia, Decatur - Thymolipoma

Illinois, Burr Ridge - Residual/recurrent Hodgkin's disease

Illinois, Chicago - Metastatic breast carcinoma (2)

Illinois (Heartland Regional Medical Center) - Thymolipoma

Illinois (MacNeal Hospital) - Thymoma, mediastinum

Illinois, Oak Brook - Involved thymus

Louisiana (Baton Rouge) - Lipoma

Louisiana (Pathology Group of Louisiana) - Lipoma

Louisiana (LSU Medical Center) - Thymolipoma

Maryland (University of Maryland Medical Center) - Thymolipoma

Michigan (Oakwood Hospital) - Benign thymic hyperplasia

Mississippi (The University of Mississippi) - Thymolipoma

Missouri (Missouri Delta Medical Center) - Thymoma B3

Nebraska (Creighton University Medical Center) - Thymus/lipoma

New Mexico, Albuquerque - Thymolipoma

New York (Albany Medical Center) - Thymolipoma

New York (Fairview Ridges Hospital) - Thymolipoma

New York (Long Island Jewish Medical Center) - Thymic lipoma

New York (Roosevelt Hospital) - Thymolipoma

New York (St. Joseph Hospital) - Thymic remnant

New York (St. Lukes Roosevelt Hospital) - Thymolipoma

New York (Stony Brook University Hospital) - Thymoma B2

North Carolina (North Carolina Baptist Hospital) - Thymolipoma

North Carolina (Pathologists Medical Laboratory) - Thymic hyperplasia

Ohio (University of Toledo) - Thymolipoma

Oregon (OHSU) - Thymolipoma

Pennsylvania (Conemaugh Valley Memorial Hospital) - Remnant thymus

Pennsylvania (Drexel University College of Medicine) - Thymolipoma

Pennsylvania (Lehigh Valley Hospital) - Thymic hyperplasia

Pennsylvania (Magee Women's Hospital) - Thymolipoma  
Puerto Rico (University of Puerto Rico) - Thymolipoma  
Texas, Crystal Beach - Thymolipoma  
Texas, Houston - Metastatic lobular carcinoma  
Texas, Lubbock - Lipothymoma  
Texas (Scott & White Memorial Hospital) - Thymolipoma  
Texas, Shavano Park - Lipoma/? thymic bone  
Washington, Bothell - Well-differentiated liposarcoma vs. atypical lipoma  
Washington, Seattle - Thymus  
West Virginia (Greenbrier Valley Medical Center) - Thymus  
Australia (Royal Hobart Hospital) - Thymolipoma  
Canada (Pasqua Hospital) - Thymolipoma  
Ireland (Beaumont Hospital) - Thymolipoma  
Ireland, Mater Hospital, Dublin - True thymic hyperplasia  
Ireland (Kerry General Hospital) - Thymolipoma  
Japan (Asahi General Hospital) - Involved thymus with metastatic breast carcinoma  
Japan (Kyoto University Hospital) - Thymolipoma, mediastinum  
Japan (Shizuoka Tokushukai Hospital) - Thymolipoma  
The Netherlands, Amstelveen - Thymic tissue and chronic inflammation  
United Kingdom (Oxford Study Group) - Thymolipoma

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

Thymolipoma, anterior mediastinum  
 T-Y2300, M-85800

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

Romero-Guadarrama MB; Duran-Padilla MA, et. al. Diagnosis of Thymolipoma with Fine Needle Aspiration Biopsy. Report of a Case Initially Misdiagnosed as Liposarcoma. *Acta Cytol* 2004 May-Jun;48(3): p441-6.  
 Gamanagatti S; Sharma R; Hatimota P; Guleria R; Arvind S. Giant Thymolipoma. *AJR Am J Roentgenol* 2005 Jul;185(1): p283-4.  
 Gannon BR; Dexter DF; Petsikas D; Isotalo PA. Mediastinal Thymolipoma: A Rare Occurrence with Striated Myoid Cells. *Tumori* 2007 Mar-Apr;93(2): p198-200.  
 Takahashi H; Harada M; Kimura M; Kato H. Thymolipoma Combined with Hyperthyroidism Discovered By Neurological Symptoms. *Ann Thorac Cardiovasc Surg* 2007 Apr;13(2): p114-7.  
 Perna V; Morera R; Ramos R; Macia I; Moya J. Giant Thymolipoma in Association with a High Production of Carbohydrate Antigen 19-9 and an Increased Acetylcholine Antibody Titer. *J Thorac Cardiovasc Surg* 2006 Jun;131(6): p1412-3.

#### **Case No. 8, Accession No. 30890**

**May 2009**

Alameda County Medical Center - Fibrothecoma  
Baldwin Park (Kaiser Permanente) - Fibrothecoma (1); Sertoli-Leydig tumor (1); Fibroma/Leydig cell tumor (1)  
Fontana (Kaiser Permanente) - Fibrothecoma  
Hayward – Fremont - Thecoma  
Long Beach - Luteinized thecoma (2)  
Oakland - Fibrothecoma  
Oxnard (St. John's Regional Medical Center) - Sertoli-Leydig cell tumor  
Pleasant Hill - Fibrothecoma  
San Diego - Luteinized thecoma  
San Diego (Naval Medical Center) - Sertoli-Leydig cell  
Santa Barbara - Sertoli-Leydig tumor  
Colorado (McKee Medical Center) - Fibrothecoma  
Colorado (University of Colorado) - Sertoli-Leydig cell tumor, well-differentiated  
Florida (Global Pathology Laboratory Services) - Theca luteoma (1); Luteinized thecoma (2)

Florida (Naples Pathology Associates) - Luteinized thecoma  
Florida (Space Coast Pathology) - Leydig cell tumor  
Georgia, Decatur - Fibrothecoma  
Illinois, Burr Ridge - Luteinized thecoma  
Illinois, Chicago - Leydig cell tumor (2)  
Illinois (Heartland Regional Medical Center) - Cellular luteinized thecoma  
Illinois (MacNeal Hospital) - Sertoli-Leydig cell tumor, left ovary  
Illinois, Oak Brook - Thecoma  
Louisiana (Baton Rouge) - Brenner tumor  
Louisiana (Pathology Group of Louisiana) - Brenner tumor  
Louisiana (LSU Medical Center) - Thecoma  
Maryland (University of Maryland Medical Center) - Thecoma  
Michigan (Oakwood Hospital) - Stromal hyperthecosis  
Mississippi (The University of Mississippi) - Luteinized thecoma  
Missouri (Missouri Delta Medical Center) - Fibrothecoma  
Nebraska (Creighton University Medical Center) - Thecoma  
New Mexico, Albuquerque - Fibrothecoma  
New York (Albany Medical Center) - Fibrothecoma  
New York (Fairview Ridges Hospital) - Luteinized thecoma  
New York (Long Island Jewish Medical Center) - Fibrothecoma  
New York (Roosevelt Hospital) - Thecoma  
New York (St. Joseph Hospital) - Luteinized thecoma  
New York (St. Lukes Roosevelt Hospital) - Leydig cell containing thecoma  
New York (Stony Brook University Hospital) - Luteinized thecoma  
North Carolina (North Carolina Baptist Hospital) - Fibrothecoma  
North Carolina (Pathologists Medical Laboratory) - Fibrothecoma  
Ohio (University of Toledo) - Luteinized thecoma  
Oregon (OHSU) - Fibrothecoma  
Pennsylvania (Conemaugh Valley Memorial Hospital) - Fibroma  
Pennsylvania (Drexel University College of Medicine) - Hyperthecosis  
Pennsylvania (Lehigh Valley Hospital) - Luteinized thecoma  
Pennsylvania (Magee Women's Hospital) - Sertoli-Leydig cell tumor, grade 2  
Puerto Rico (University of Puerto Rico) - Sertoli-Leydig cell tumor/stromal Leydig cell tumor  
Texas, Crystal Beach - Ovarian thecoma (androgenic) with some sex cord (Sertoli cell) elements  
Texas, Houston - Thecoma  
Texas, Lubbock - Sertoli Leydig cell tumor  
Texas (Scott & White Memorial Hospital) - Fibrothecoma  
Texas, Shavanno Park - Fibrothecoma  
Washington, Bothell - Thecoma  
Washington, Seattle - Fibroma thecoma  
West Virginia (Greenbrier Valley Medical Center) - Fibrous thecoma  
Australia (Royal Hobart Hospital) - Luteinized thecoma  
Canada (Pasqua Hospital) - Luteinized thecoma  
Ireland (Beaumont Hospital) - Thecoma  
Ireland (Mater Hospital, Dublin) - Leydig cell tumor  
Ireland (Kerry General Hospital) - Luteinized thecoma  
Japan (Asahi General Hospital) - Poorly differentiated Sertoli-Leydig cell tumor  
Japan (Kyoto University Hospital) - Luteinized thecoma, left ovary  
Japan (Shizuoka Tokshukai Hospital) - Luteinized thecoma  
The Netherlands, Amstelveen - Hyperthecosis, sex cord tumor  
United Kingdom (Oxford Study Group) - Thecofibroma

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

Partially luteinized thecoma, ovary  
 T-87000, M-86000

#### Case 8 - References:

- Schonman R; Klein Z, et al. Luteinized Thecoma Associated with Sclerosing Peritonitis--Conservative Surgical Approach Followed by Corticosteroid and GnRH Agonist Treatment--A Case Report. *Gynecol Oncol* 2008 Dec;111(3): p540-3.
- Bastida CM; Cremades A, et al. Influence of Ovarian Ornithine Decarboxylase in Folliculogenesis and Luteinization. *Endocrinology* 2005 Feb;146(2): p666-74.
- Tsuji T; Catusus L; Prat J. Is Loss of Heterozygosity at 9q22.3 (PTCH gene) and 19p13.3 (STK11 gene) Involved in the Pathogenesis of Ovarian Stromal Tumors? *Hum Pathol* 2005 Jul;36(7): p792-6.
- Nocito AL; Sarancone S; Bacchi C; Tellez T. Ovarian Thecoma: Clinicopathological Analysis of 50 Cases. *Ann Diagn Pathol* 2008 Feb;12(1): p12-6.
- Streblow RC; Dafferner AJ, et al. Imbalances of Chromosomes 4, 9, and 12 are Recurrent in the Thecoma-ffbroma Group of Ovarian Stromal Tumors. *Cancer Genet Cytogenet* 2007 Oct 15;178(2): p135-40.

#### **Case No. 9, Accession No. 30914**

**May 2009**

Alameda County Medical Center - Adult granulosa cell tumor  
Baldwin Park (Kaiser Permanente) - Granulosa cell tumor (3)  
Fontana (Kaiser Permanente) - Granulosa cell tumor  
Hayward – Fremont - Granulosa cell tumor  
Long Beach - Granulosa cell tumor (2)  
Oakland - Granulosa cell tumor  
Oxnard (St. John's Regional Medical Center) - Granulosa cell tumor  
Pleasant Hill - Granulosa cell tumor  
San Diego - Adult granulosa cell tumor  
San Diego (Naval Medical Center) - Adult granulosa cell tumor  
Santa Barbara - Granulosa cell tumor  
Colorado (McKee Medical Center) - Granulosa cell tumor  
Colorado (University of Colorado) - Adult granulosa cell tumor  
Florida (Global Pathology Laboratory Services) - Granulosa cell tumor (3)  
Florida (Naples Pathology Associates) - Granulosa cell tumor, adult type  
Florida (Space Coast Pathology) - Granulosa cell tumor  
Georgia, Decatur - Adult granulosa cell tumor  
Illinois, Burr Ridge - Granulosa cell tumor  
Illinois, Chicago - Granulosa cell tumor (2)  
Illinois (Heartland Regional Medical Center) - Granulosa cell tumor  
Illinois (MacNeal Hospital) - Adult granulosa cell tumor, right ovary  
Illinois, Oak Brook - Adult granular cell tumor  
Louisiana (Baton Rouge) - Granulosa cell tumor  
Louisiana (Pathology Group of Louisiana) - Granulosa cell tumor  
Louisiana (LSU Medical Center) - Granulosa cell tumor  
Maryland (University of Maryland Medical Center) - Adult granulosa cell tumor  
Michigan (Oakwood Hospital) - Granulosa cell tumor  
Mississippi (The University of Mississippi) - Adult granulosa cell tumor  
Missouri (Missouri Delta Medical Center) - Granulosa cell tumor  
Nebraska (Creighton University Medical Center) - Granulosa cell tumor  
New Mexico, Albuquerque - Granulosa cell tumor  
New York (Albany Medical Center) - Granulosa cell tumor, adult  
New York (Fairview Ridges Hospital) - Adult granulosa cell tumor  
New York (Long Island Jewish Medical Center) - Granulosa cell tumor  
New York (Roosevelt Hospital) - Granulosa cell tumor  
New York (St. Joseph Hospital) - Adult granulosa cell tumor  
New York (St. Lukes Roosevelt Hospital) - Granulosa tumor  
New York (Stony Brook University Hospital) - Granulosa cell  
North Carolina (North Carolina Baptist Hospital) - Granulosa cell tumor

North Carolina (Pathologists Medical Laboratory) - Adult granulosa cell tumor  
Ohio (University of Toledo) - Granulosa cell tumor  
Oregon (OHSU) - Granulosa cell tumor  
Pennsylvania (Conemaugh Valley Memorial Hospital) - Granulosa cell tumor  
Pennsylvania (Drexel University College of Medicine) - Adult granulosa cell tumor  
Pennsylvania (Lehigh Valley Hospital) - Granulosa cell tumor  
Pennsylvania (Magee Women's Hospital) - Granulosa cell tumor  
Puerto Rico (University of Puerto Rico) - Adult granulosa cell tumor  
Texas, Crystal Beach - Granulosa cell tumor, adult type  
Texas, Houston - Adult granulosa cell tumor  
Texas, Lubbock - Granulosa cell tumor  
Texas (Scott & White Memorial Hospital) - Granulosa cell tumor  
Texas, Shavanno Park - Granulosa cell tumor  
Washington, Bothell - Sertoli cell tumor  
Washington, Seattle - Granular cell tumor  
West Virginia (Greenbrier Valley Medical Center) - Granulosa cell tumor  
Australia (Royal Hobart Hospital) - Granulosa cell tumor  
Canada (Pasqua Hospital) - Granulosa cell tumor  
Ireland (Beaumont Hospital) - Granulosa cell tumor, adult type  
Ireland (Mater Hospital, Dublin) - Adult granulosa cell tumor  
Ireland (Kerry General Hospital) - Adult granulosa cell tumor  
Japan (Asahi General Hospital) - Granulosa cell tumor  
Japan (Kyoto University Hospital) - Granulosa cell tumor, right ovary  
Japan (Shizuoka Tokshukai Hospital) - Adult granuloma cell tumor  
The Netherlands, Amstelveen - Granuloma cell tumor  
United Kingdom (Oxford Study Group) - Granulosa cell tumor

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

Adult granulosa cell tumor, ovary  
 T-87000, M-86201

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

Ali S; Gattuso P, et al. Adult Granulosa Cell Tumor of the Ovary: Fine-Needle-Aspiration Cytology of 10 Cases and Review of Literature. *Diagn Cytopathol* 2008 May;36(5): p297-302.  
 Irving JA; Young RH. Granulosa Cell Tumors of the Ovary with a Pseudopapillary Pattern: a Study of 14 Cases of an Unusual Morphologic Variant Emphasizing Their Distinction From Transitional Cell Neoplasms and Other Papillary Ovarian Tumors. *Am J Surg Pathol* 2008 Apr;32(4): p581-6.  
 Ozkara SK; Turan G. Cystic Fluid and Fine Needle Aspiration Cytopathology of Cystic Adult Granulosa Cell Tumor of the Ovary: A Case Report. *Acta Cytol* 2008 Mar-Apr;52(2): p247-50.  
 Farinola MA; Gown AM, et al. Estrogen Receptor Alpha and Progesterone Receptor Expression in Ovarian Adult Granulosa Cell Tumors and Sertoli-Leydig Cell Tumors. *Int J Gynecol Pathol* 2007 Oct;26(4): p375-82.  
 Arzola J; Hutton RL; Baughman SM; Mora RV. Adult-Type Testicular Granulosa Cell Tumor: Case Report and Review of the Literature. *Urology* 2006 Nov;68(5): p1121.e13-6.

#### **Case No. 10, Accession No. 30824**

**May 2009**

Alameda County Medical Center - Chorangioma  
Baldwin Park (Kaiser Permanente) - Chorangioma (3)  
Fontana (Kaiser Permanente) - Chorangioma  
Hayward – Fremont - Chorangioma  
Long Beach - Chorangioma (2)  
Oakland - Infarct  
Oxnard (St. John's Regional Medical Center) - Chorangioma  
Pleasant Hill - Chorangioma



San Diego - Chorangioma  
San Diego (Naval Medical Center) - Chorangioma  
Santa Barbara - Chorangioma  
Colorado (McKee Medical Center) - Hemangioma  
Colorado (University of Colorado) - Chorangioma  
Florida (Global Pathology Laboratory Services) - Hemangioma (3)  
Florida (Naples Pathology Associates) - Chorangioma  
Florida (Space Coast Pathology) - Chorangioma  
Georgia, Decatur - Chorangioma  
Illinois, Burr Ridge - Hemangioma  
Illinois, Chicago - Placental infarct (2)  
Illinois (Heartland Regional Medical Center) - Chorangioma  
Illinois (MacNeal Hospital) - Placental hemangioma (chorangioma)  
Illinois, Oak Brook - Chorangioma  
Louisiana (Baton Rouge) - Chorangioma  
Louisiana (Pathology Group of Louisiana) - Chorangioma  
Louisiana (LSU Medical Center) - Chorangioma  
Maryland (University of Maryland Medical Center) - Chorangioma  
Michigan (Oakwood Hospital) - Chorangioma  
Mississippi (The University of Mississippi) - Chorangioma  
Missouri (Missouri Delta Medical Center) - Syncytial knots consistent with fetal dysmaturity and hemosiderin deposition  
Nebraska (Creighton University Medical Center) - Chorangioma  
New Mexico, Albuquerque - Chorangioma  
New York (Albany Medical Center) - Chorangioma  
New York (Fairview Ridges Hospital) - Chorangioma  
New York (Long Island Jewish Medical Center) - Chorangioma  
New York (Roosevelt Hospital) - Chorangioma  
New York (St. Joseph Hospital) - Hemangioma, placenta  
New York (St. Lukes Roosevelt Hospital) - Chorangioma  
New York (Stony Brook University Hospital) - Chorangioma  
North Carolina (North Carolina Baptist Hospital) - Chorangioma  
North Carolina (Pathologists Medical Laboratory) - Chorangioma  
Ohio (University of Toledo) - Chorangioma  
Oregon (OHSU) - Chorangioma  
Pennsylvania (Conemaugh Valley Memorial Hospital) - Chorangioma  
Pennsylvania (Drexel University College of Medicine) - Chorangioma  
Pennsylvania (Lehigh Valley Hospital) - Hemangioma  
Pennsylvania (Magee Women's Hospital) - Chorangioma  
Puerto Rico (University of Puerto Rico) - Chorangioma  
Texas, Crystal Beach - Placental hemangioma  
Texas, Houston - Chorangioma  
Texas, Lubbock - Chorangioma  
Texas (Scott & White Memorial Hospital) - Hemangioma  
Texas, Shavanno Park - Chorangioma  
Washington, Bothell - Villous infarct consistent with calcification  
Washington, Seattle - Chorangioma  
West Virginia (Greenbrier Valley Medical Center) - Chorangioma  
Australia (Royal Hobart Hospital) - Chorangioma  
Canada (Pasqua Hospital) - Chorangioma  
Ireland (Beaumont Hospital) - Hemangioma  
Ireland (Mater Hospital, Dublin) - Chorangioma  
Ireland (Kerry General Hospital) - Chorangioma  
Japan (Asahi General Hospital) - Chorangioma  
Japan (Kyoto University Hospital) - Chorangioma, placenta  
Japan (Shizuoka Tokshukai Hospital) - Hemangioma  
The Netherlands, Amstelveen - Chorangioma

United Kingdom (Oxford Study Group) - Chorangioma

**Case 10 - Diagnosis:**

Chorangioma, placenta  
T-88100, M-91200

**Case 10 - References:**

- Arici S; Cetin M, et al. Chorangioma with Atypical Trophoblastic Proliferation. *Aust N Z J Obstet Gynaecol* 2005 Feb;45(1): p86-7.
- North PE; Waner M, et al. Vascular Tumors of Infancy and Childhood: Beyond Capillary Hemangioma. *Cardiovasc Pathol* 2006 Nov-Dec;15(6): p303-17.
- Bakaris S; Karabiber H, et al. Case of Large Placental Chorioangioma Associated with Diffuse Neonatal Hemangiomatosis. *Pediatr Dev Pathol* 2004 May-Jun;7(3): p258-61.
- Chopra A; Iyer VK, et al. Diffuse Multifocal Chorangiomas of the Placenta with Multiple Intestinal Stenosis of the Fetus: Combination of Rare Causes for Nonimmune Hydrops Fetalis. *Indian J Pathol Microbiol* 2006 Oct;49(4): p600-2.