



CALIFORNIA  
TUMOR TISSUE REGISTRY

“GENERAL PATHOLOGY”

Minutes – Subscription B

April, 2005



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

Prediction Of Survival In Diffuse Large B-Cell Lymphoma Based On The Expression Of Six Genes. Lossos IS, Czerwinski DK, Alizadeh AA, et al: *N Eng J Med*, 2004 Apr 29; 350:1828-37.

Prognostic Factors Of Thin Cutaneous Melanoma: An Analysis Of The Central Malignant Melanoma Registry Of The German Dermatological Society. Leiter U, Buettner PG, Eigentler TK, Garbe C. *J Clin Oncol*, 2004 Sep 15; 22(18):3660-7.

Compliance With Consensus Recommendations For Systematic Therapy Is Associated With Improved Survival Of Women With Node-Negative Breast Cancer. Hebert-Croteau N, Brisson J, Latreille J, et al. *J Clin Oncol*, 2004 Sep 15; 22(18):3685-93.

Lymphatic Mapping And Sentinel Lymphadenectomy For Breast Cancer. Kelley MC, Hansen N, McMasters KM. *Am J Surg*, 2004; 188:49-61.

Evidence-Based Medicine, Medical Decision Analysis, And Pathology. Marchevsky AM, Wick MR. *Hum Pathol*, 2004; 35:1179-88.

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## FILE DIAGNOSES

(Preferably submitted on website at [www.cttr.org](http://www.cttr.org). Click “subscriptions”, then “submit answers”.)

CTTR Subscription B

April, 2005

**Case 1:**

Lymphocytic mastitis with stromal proliferation consistent with inflammatory myofibroblastic tumor, breast  
T-04010, M-40000

**Case 2:**

Diffuse large B-cell lymphoma, cervix  
T-83000, M-9590/3

**Case 3:**

Mixed germ cell tumor, predominantly seminoma with minor yolk sac tumor component, testis  
T-78000, M-9061/3, M-9071/3

**Case 4:**

Merkel cell carcinoma, skin of thigh  
T-02810, M-8041/3

**Case 5:**

Solitary fibrous tumor/hemangiopericytoma, lung  
T-28000, M-9150/1

**Case 6:**

Lymphoid hyperplasia/pseudolymphoma, penis  
T-76000, M-72290

**Case 7:**

Ovarian myxoma  
T-87000, M-8840/0

**Case 8:**

Oncocytoma/oncocytosis  
T-71000, M-8290/0

**Case 9:**

Gastrointestinal stromal tumor (GIST), retroperitoneum  
T-Y4600, M-96103

**Case 10:**

Low grade endometrial stromal sarcoma, myometrium  
T-85000, M-8930/3

Escondido - Metaplastic carcinoma  
Glendale - Metaplastic carcinoma  
Granada Hills - Metaplastic carcinoma of breast  
Loma Linda (LLUMC Residents) - 1. Lymphocytic mastitis with brisk stromal fibrous proliferation. 2. Fibroadenosis  
Orange (UCI Medical Center Residents) - Pseudotumor/Sarcoma carcinoma – special stains required  
Sacramento (U.C. Davis Medical Center Residents) - Phyllodes tumor  
San Francisco (San Francisco General Hospital) - Metaplastic carcinoma  
Arizona, Phoenix - Phyllodes tumor, borderline  
Colorado, Denver - Pleomorphic adenoma  
Florida (Munroe Regional Medical Center) - Nodular fasciitis  
Florida (Winter Haven Hospital) - Nodular fasciitis  
Georgia, Decatur - Metaplastic carcinoma, rule out phyllodes tumor  
Illinois (Heartland Regional Medical Center) - Nodular fasciitis  
Kansas (Coffeyville Regional Medical Center) - Low grade leiomyosarcoma  
Kansas, Manhattan - Fibromatosis  
Maryland (Johns Hopkins Hospital) - Nodular fasciitis (1); Myofibroblastoma (1)  
Maryland (National Naval Medical Center) - Fibromatosis (6); Inflammatory pseudotumor (3)  
Maryland (University of Maryland Medical Center) - Nodular fasciitis  
Michigan (University of Michigan) - Low grade fibromatosis-like spindle cell carcinoma  
New York (Nassau University Medical Center) - Myofibroblastoma  
New York (State University of New York at Stony Brook) - Myofibroblastoma  
New York (Westchester Medical Center) - Metaplastic carcinoma vs inflammatory myofibroblastic tumor  
North Carolina (Wake Forest University School of Medicine) - Metaplastic carcinoma  
North Carolina (Womack Army Medical Center) - Mammary fibromatosis (4)  
North Carolina, Winston-Salem - Phyllodes tumor (1); Inflammatory pseudotumor (1)  
Ohio (Medical College of Ohio) - Nodular fasciitis  
Pennsylvania (Conemaugh Memorial Medical Center) - Atypical fibrohistiocytoma  
Texas (Scott & White Memorial Hospital) - Myofibroblastoma  
Texas, Lubbock - Nodular fasciitis  
Texas, Sugarland - Inflammatory myofibroblastic tumor  
Washington, D.C. - Fibromatosis  
Canada (Foothills Medical Center) - Metaplastic carcinoma  
Canada (Woodstock General Hospital) - Fibromatosis, breast; rule out metaplastic carcinoma  
China (Sir Run Run Shaw Hospital) - Inflammatory myofibroblastic tumor  
Italy, Naples - Fibromatosis  
Japan (Asahi General Hospital) - Phyllodes tumor, malignant, right breast  
Japan (Hamamatsu University School of Medicine) - Fibromatosis  
Puerto Rico (University of Puerto Rico) - Inflammatory pseudotumor (4) vs fibromatosis (3)  
Qatar, Doha - Fibromatosis  
Spain (Povisa) - Fibromatosis  
The Netherlands, Amstelveen - Metaplastic (pseudosarcomatous) carcinoma of the breast (focal squamous differentiation)

**Case 1 - Diagnosis:**

**Lymphocytic mastitis with stromal proliferation consistent with inflammatory myofibroblastic tumor, breast**  
**T-04010, M-40000**

**Case 1 - References:**

Hunfeld KP, Bassler R: Lymphocytic Mastitis And Fibrosis Of The Breast In Long-Standing Insulin-Dependent Diabetics. A Histopathologic Study On Diabetic Mastopathy And Report Of Ten Cases. *Gen Diagn Pathol*, 1997 Jul; 143(1):49-58. Review.  
 Zardawi IM, Clark D, Williamsz G: Inflammatory Myofibroblastic Tumor Of The Breast. A Case Report. *Acta Cytol*, 2003 Nov-Dec; 47(6):1077-81.  
 Sastre-Garau, et al: Inflammatory Myofibroblastic Tumor (Inflammatory Pseudotumor) Of The Breast: Clinicopathological And Genetic Analysis Of A Case With Evidence Of Clonality. *J Pathol*, 2002; 196:97-102.  
 Devouassoux-Shisheboran M, Schammel MD, Man YG, Tavassoli FA: Fibromatosis Of The Breast: Age-Related Morphofunctional Features Of 33 Cases. *Arch Pathol Lab Med*, 2000 Feb; 124(2):276-80.  
 Brogi E: Benign And Malignant Spindle Cell Lesions Of The Breast. *Semin Diagn Pathol*, 2004 Feb; 21(1):57-64.  
 Tomaszewski JE, Brooks JS, Hicks D, LiVolsi VA: Diabetic Mastopathy: A Distinctive Clinicopathologic Entity. *Hum Pathol*, 1992 Jul; 23(7):780-6.

**Case No. 2 - Accession No. 29587**

**April, 2005**

Escondido - Malignant lymphoma, follicular center cell  
Glendale - High grade B-cell lymphoma  
Granada Hills - Diffuse B-cell lymphoma  
Loma Linda (LLUMC Residents) - Follicular lymphoma of the endocervical canal  
Orange (UCI Medical Center Residents) - Large B-cell lymphoma  
Sacramento (U.C. Davis Medical Center Residents) - Diffuse large "B" cell lymphoma, favor follicular origin  
San Francisco (San Francisco General Hospital) - Diffuse large B-cell lymphoma  
Arizona, Phoenix - Large B-cell lymphoma  
Colorado, Denver - Diffuse large B-cell lymphoma  
Florida (Munroe Regional Medical Center) - Large B-cell lymphoma, follicular origin  
Florida (Winter Haven Hospital) - Large cell lymphoma  
Georgia, Decatur - Diffuse large B-cell lymphoma  
Illinois (Heartland Regional Medical Center) - Malignant lymphoma, diffuse, large B-cell, of follicular origin  
Kansas (Coffeyville Regional Medical Center) - Malignant lymphoma, diffuse, large B-cell  
Kansas, Manhattan - Diffuse large B-cell lymphoma  
Maryland (Johns Hopkins Hospital) - Follicular lymphoma, grade III/III (DLBCL, Follicle-center origin) (1); HG follicular lymphoma (1)  
Maryland (National Naval Medical Center) - Diffuse large B-cell lymphoma, high grade (8); Follicular lymphoma, immunoblastic variant (1)  
Maryland (University of Maryland Medical Center) - Large B-cell lymphoma  
Michigan (University of Michigan) - Diffuse large B-cell lymphoma  
New York (Nassau University Medical Center) - Large cell lymphoma, diffuse follicular  
New York (State University of New York at Stony Brook) - Follicular lymphoma  
New York (Westchester Medical Center) - Diffuse large B-cell lymphoma  
North Carolina (Wake Forest University School of Medicine) - Diffuse large B-cell lymphoma  
North Carolina (Womack Army Medical Center) - Diffuse large B-cell lymphoma (4)  
North Carolina, Winston-Salem - B-cell lymphoma (1); Lymphoma, favor diffuse large B-cell (1)  
Ohio (Medical College of Ohio) - Follicular center B-cell lymphoma, high grade  
Pennsylvania (Conemaugh Memorial Medical Center) - Follicular lymphoma  
Texas (Scott & White Memorial Hospital) - Diffuse large B-cell lymphoma  
Texas, Lubbock - Diffuse follicular center lymphoma  
Texas, Sugarland - Malignant lymphoma, diffuse large B-cell type  
Washington, D.C. - Malignant lymphoma (B-cell)  
Canada (Foothills Medical Center) - Diffuse large B-cell lymphoma  
Canada (Woodstock General Hospital) - Diffuse large B-cell lymphoma, uterine cervix  
China (Sir Run Run Shaw Hospital) - Diffuse large B-cell lymphoma  
Italy, Naples - Diffuse large B-cell lymphoma  
Japan (Asahi General Hospital) - Diffuse large B-cell lymphoma, uterine cervix  
Japan (Hamamatsu University School of Medicine) - Malignant lymphoma, diffuse large B-cell type  
Puerto Rico (University of Puerto Rico) - Diffuse large B-cell lymphoma  
Qatar, Doha - Diffuse large B-cell lymphoma  
Spain (Povisa) - Follicular lymphoma, with progression to large B-cell lymphoma  
The Netherlands, Amstelveen - Large B-cell Non-Hodgkin's lymphoma of the uterine cervix

**Case 2 - Diagnosis:**

**Diffuse large B-cell lymphoma, cervix  
T-83000, M-9590/3**

**Case 2 - References:**

- Marin C, Seoane JM, Sanchez M, et al: Magnetic Resonance Imaging Of Primary Lymphoma Of The Cervix. *Eur Radiol*, 2002 Jun; 12(6):1541-5.  
Grace A, O'Connell N, Byrne P, et al: Malignant Lymphoma Of The Cervix: An Unusual Presentation And A Rare Disease. *Eur J Gynaecol Oncol*, 1999; 20(1):26-8.

- Kostopoulos IS, Barbanis SB, Kaloutsi VD, Papadimitriou CS: Synchronous Occurrence Of Multiple Malignant Neoplasms In The Uterus (Adenocarcinoma Of The Endometrium, Large B-Cell Lymphoma Of The Cervix). *Pathol Res Pract*, 2000; 196(8):573-5.
- Wang PH, Chao KC, Lin G, et al: Primary Malignant Lymphoma Of The Cervix In Pregnancy: A Case Report. *J Reprod Med*, 1999 Jul; 44(7):630-2.
- Koliopoulos G, Parkin D, Paraskevaidis E: A Case Of B-Cell Lymphoblastic Lymphoma Involving The Uterus. *Eur J Gynaecol Oncol*, 2002; 23(2):113-4.
- Stroh EL, Besa PC, Cox JD, et al: Treatment Of Patients With Lymphomas Of The Uterus Or Cervix With Combination Chemotherapy And Radiation Therapy. *Cancer*, 1995 May 1; 75(9):2392-9.

### Case No. 3 - Accession No. 29907

April, 2005

Escondido - Seminoma  
Glendale - Seminoma vs. embryonal carcinoma  
Granada Hills - Seminoma  
Loma Linda (LLUMC Residents) - Mixed germ cell tumor with focal seminoma and yolk sac tumor  
Orange (UCI Medical Center Residents) - Seminoma  
Sacramento (U.C. Davis Medical Center Residents) - Mixed germ cell tumor, seminoma and yolk sac tumor  
San Francisco (San Francisco General Hospital) - Seminoma  
Arizona, Phoenix - Embryonal carcinoma  
Colorado, Denver - Seminoma  
Florida (Munroe Regional Medical Center) - Mixed germ cell tumor  
Florida (Winter Haven Hospital) - Embryonal carcinoma  
Georgia, Decatur - Seminoma  
Illinois (Heartland Regional Medical Center) - Embryonal carcinoma  
Kansas (Coffeyville Regional Medical Center) - Seminoma  
Kansas, Manhattan - Embryonal carcinoma  
Maryland (Johns Hopkins Hospital) - Embryonal carcinoma (1); Mixed germ cell tumor (1)  
Maryland (National Naval Medical Center) - Mixed germ cell tumor (6); Seminoma, classic (3)  
Maryland (University of Maryland Medical Center) - Seminoma, possible yolk sac component  
Michigan (University of Michigan) - Embryonal carcinoma  
New York (Nassau University Medical Center) - Mixed germ cell tumor  
New York (State University of New York at Stony Brook) - Mixed germ cell tumor  
New York (Westchester Medical Center) - Anaplastic seminoma  
North Carolina (Wake Forest University School of Medicine) - Embryonal carcinoma  
North Carolina (Womack Army Medical Center) - Seminoma (4)  
North Carolina, Winston-Salem - Embryonal carcinoma and yolk sac tumor (1); Embryonal carcinoma  
Ohio (Medical College of Ohio) - Anaplastic seminoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Spermatocytic seminoma  
Texas (Scott & White Memorial Hospital) - Seminoma  
Texas, Lubbock - Anaplastic seminoma  
Texas, Sugarland - Seminoma with necrosis  
Washington, D.C. - Germ cell tumor  
Canada (Foothills Medical Center) - Embryonal carcinoma  
Canada (Woodstock General Hospital) - Embryonal carcinoma, testis  
China (Sir Run Run Shaw Hospital) - Seminoma  
Italy, Naples - Seminoma  
Japan (Asahi General Hospital) - Yolk sac tumor, testis  
Japan (Hamamatsu University School of Medicine) - Seminoma  
Puerto Rico (University of Puerto Rico) - Yolk sac tumor  
Qatar, Doha - Seminoma  
Spain (Povisa) - Mixed germinal cell tumor  
The Netherlands, Amstelveen - Seminoma, testis

### CASE 3 - Diagnosis:

**Mixed germ cell tumor, predominantly seminoma, with minor yolk sac tumor component, testis  
T-78000, M-9061/3, M-9071/3**

### Case 3 - References:

- Logothetis CJ, Samuels ML, Selig DE, et al: Cyclic Chemotherapy With Cyclophosphamide, Doxorubicin, and Cisplatin Plus Vinblastine and Bleomycin in Advanced Germinal Tumors. Results With 100 Patients. *Am J Med*, 1986 Aug; 81(2):219-28.
- Leroy X, Augusto D, Leteurtre E, Gosselin B: CD30 and CD117 (c-kit) Used in Combination Are Useful For Distinguishing Embryonal Carcinoma From Seminoma. *J Histochem Cytochem*, 2002 Feb; 50(2):283-5.
- Heidenreich A, Weissbach L, Holtl W, et al: Organ Sparing Surgery For Malignant Germ Cell Tumor of the Testis. *J Urol*, 2001 Dec; 166(6):2161-5.
- Mosharafa AA, Foster RS, Leibovich BC, et al: Histology In Mixed Germ Cell Tumors. Is There A Favorite Pairing? *J Urol*, 2004 Apr; 171(4):1471-3.
- Florentine BD, Roscher AA, Garrett J, Warner NE: Necrotic Seminoma Of The Testis: Establishing The Diagnosis With Masson Trichrome Stain And Immunostains. *Arch Pathol Lab Med*, 2002 Feb; 126(2):205-6.

### **Case No. 4 - Accession No. 29755**

**April, 2005**

Escondido - Merkel cell tumor  
Glendale - Merkel cell carcinoma  
Granada Hills - Merkel cell carcinomas  
Loma Linda (LLUMC Residents) - Merkel cell tumor  
Orange (UCI Medical Center Residents) - Merkel cell carcinoma  
Sacramento (U.C. Davis Medical Center Residents) - Merkel cell tumor  
San Francisco (San Francisco General Hospital) - Merkel cell carcinoma  
Arizona, Phoenix - Merkel cell carcinoma  
Colorado, Denver - Merkel cell tumor  
Florida (Munroe Regional Medical Center) - Small B-cell lymphoma  
Florida (Winter Haven Hospital) - Lymphoblastic lymphoma  
Georgia, Decatur - Merkel cell carcinoma  
Illinois (Heartland Regional Medical Center) - Merkel cell carcinoma  
Kansas (Coffeyville Regional Medical Center) - Merkel cell tumor  
Kansas, Manhattan - Diffuse large B-cell lymphoma with blastic features  
Maryland (Johns Hopkins Hospital) - Merkel cell carcinoma (2)  
Maryland (National Naval Medical Center) - Merkel cell carcinoma  
Maryland (University of Maryland Medical Center) - Merkel cell carcinoma  
Michigan (University of Michigan) - Merkel cell carcinoma  
New York (Nassau University Medical Center) - Merkel cell carcinoma  
New York (State University of New York at Stony Brook) - Merkel cell carcinoma  
New York (Westchester Medical Center) - Merkel cell carcinoma  
North Carolina (Wake Forest University School of Medicine) - Merkel cell carcinoma  
North Carolina (Womack Army Medical Center) - Merkel cell carcinoma (4)  
North Carolina, Winston-Salem - Merkel cell carcinoma (2)  
Ohio (Medical College of Ohio) - Merkel cell carcinoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Merkel cell carcinoma  
Texas (Scott & White Memorial Hospital) - Lymphocytic leukemic infiltrate  
Texas, Lubbock - Large cell lymphoma, B-cell type  
Texas, Sugarland - Small lymphocytic lymphoma  
Washington, D.C. - Malignant lymphoma, large B-cell  
Canada (Foothills Medical Center) - Merkel cell tumor  
Canada (Woodstock General Hospital) - Merkel cell carcinoma, skin  
China (Sir Run Run Shaw Hospital) - Merkel cell carcinoma  
Italy, Naples - Merkel cell carcinoma  
Japan (Asahi General Hospital) - Merkel cell carcinoma, thigh  
Japan (Hamamatsu University School of Medicine) - Merkel cell carcinoma  
Puerto Rico (University of Puerto Rico) - Merkel cell carcinoma  
Qatar, Doha - Merkel cell carcinoma  
Spain (Povisa) - Merkel cell carcinoma  
The Netherlands, Amstelveen - Merkel cell carcinoma

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

**Merkel cell carcinoma, skin of thigh**  
**T-02810, M-8041/3**

Case 4 - References:

- Wilson LD, Gruber SB: Merkel Cell Carcinoma And The Controversial Role Of Adjuvant Radiation Therapy: Clinical Choices In The Absence Of Statistical Evidence. *J Am Acad Dermatol*, 2004 Mar; 50(3):435-7, discussion 437-8.
- Strong S, Shalders K, Carr R, Snead DR: KIT Receptor (CD117) Expression In Merkel Cell Carcinoma. *Br J Dermatol*, 2004 Feb; 150(2):384-5.
- Krasagakis K, Tosca AD: Overview Of Merkel Cell Carcinoma And Recent Advances In Research. *Int J Dermatol*, 2003 Sep; 42(9):669-76.
- Engels EA, Frisch M, Goedert JJ, et al: Merkel Cell Carcinoma And HIV Infection. *Lancet*, 2002 Feb 9; 359(9305):497-8.
- Rodrigues LK, Leong SP, Kashani-Sabet M, Wong JH: Early Experience With Sentinel Lymph Node Mapping For Merkel Cell Carcinoma. *J Am Acad Dermatol*, 2001 Aug; 45(2):303-8.
- Gollard R, Weber R, Kosty MP, et al: Merkel Cell Carcinoma: Review Of 22 Cases With Surgical, Pathologic, And Therapeutic Considerations. *Cancer*, 2000 Apr 15; 88(8):1842-51.

**Case No. 5 - Accession No. 29342**

**April, 2005**

- Escondido - Solitary fibrous tumor
- Glendale - Solitary fibrous tumor
- Granada Hills - Solitary fibrous tumor
- Loma Linda (LLUMC Residents) - Solitary fibrous tumor
- Orange (UCI Medical Center Residents) - Solitary fibrous tumor
- Sacramento (U.C. Davis Medical Center Residents) - Solitary fibrous tumor
- San Francisco (San Francisco General Hospital) - Solitary fibrous tumor/hemangiopericytoma
- Arizona, Phoenix - Solitary fibrous tumor with myxoid areas
- Colorado, Denver - Angiosarcoma
- Florida (Munroe Regional Medical Center) - Localized fibrous tumor
- Florida (Winter Haven Hospital) - Fibroma
- Georgia, Decatur - Solitary fibrous tumor
- Illinois (Heartland Regional Medical Center) - Localized fibrous tumor
- Kansas (Coffeyville Regional Medical Center) - Hemangiopericytoma
- Kansas, Manhattan - Solitary fibrous tumor
- Maryland (Johns Hopkins Hospital) - Solitary fibrous tumor (2)
- Maryland (National Naval Medical Center) - Solitary fibrous tumor
- Maryland (University of Maryland Medical Center) - Cellular solitary fibrous tumor, rule out malignancy
- Michigan (University of Michigan) - Solitary fibrous tumor
- New York (Nassau University Medical Center) - Solitary fibrous tumor
- New York (State University of New York at Stony Brook) - Solid fibrous tumor
- New York (Westchester Medical Center) - Solitary fibrous tumor
- North Carolina (Wake Forest University School of Medicine) - Solitary fibrous tumor
- North Carolina (Womack Army Medical Center) - Solitary fibrous tumor (4)
- North Carolina, Winston-Salem - Epithelioid hemangioendothelioma (1); Solitary fibrous tumor (1)
- Ohio (Medical College of Ohio) - Solitary fibrous tumor
- Pennsylvania (Conemaugh Memorial Medical Center) - Hemangiopericytoma
- Texas (Scott & White Memorial Hospital) - Solitary fibrous tumor
- Texas, Lubbock - Epithelioid hemangiopericytoma
- Texas, Sugarland - Solitary fibrous tumor
- Washington, D.C. - Hemangiopericytoma
- Canada (Foothills Medical Center) - Solitary fibrous tumor
- Canada (Woodstock General Hospital) - Solitary fibrous tumor, lung
- China (Sir Run Run Shaw Hospital) - Solitary fibrous tumor
- Italy, Naples - Solitary fibrous tumor
- Japan (Asahi General Hospital) - Hemangiopericytoma, lung
- Japan (Hamamatsu University School of Medicine) - Solitary fibrous tumor/hemangiopericytoma
- Puerto Rico (University of Puerto Rico) - Solitary fibrous tumor
- Qatar, Doha - Solitary fibrous tumor
- Spain (Povisa) - Solitary fibrous tumor
- The Netherlands, Amstelveen - Solitary fibrous tumor of the lung

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

#### **Solitary fibrous tumor/hemangiopericytoma, lung T-28000, M-9150/1**

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

- Mezzetti M, Panigalli T, Giudice FL, et al: Surgical Experience Of 15 Solitary Benign Fibrous Tumor Of The Pleura. *Crit Rev Oncol Hematol*, 2003 Jul; 47(1):29-33.
- Krisman M, Adams H, Jaworska M, et al: Patterns Of Chromosomal Imbalances In Benign Solitary Fibrous Tumours Of The Pleura. *Virchows Arch*, 2000 Sep; 437(3):248-55.
- Butnor KJ, Burchette JL, Sporn TA, et al: The Spectrum Of KIT (CD117) Immunoreactivity In Lung And Pleural Tumors: A Study Of 96 Cases Using A Single-Source Antibody With A Review Of The Literature. *Arch Pathol Lab Med*, 2004 May; 128(5):538-43.
- Cavazza A, Rossi G, Agostini L, et al: Cytokeratin-Positive Malignant Solitary Fibrous Tumor Of The Pleura: An Unusual Pitfall In The Diagnosis Of Pleural Spindle Cell Neoplasms. *Histopathology*, 2003 Dec; 43(6):606-8.
- Ordenez NG: Localized (Solitary) Fibrous Tumor Of The Pleura: *Adv Anat Pathol*, 2000 Nov; 7(6):327-40.
- Takahama M, Kushibe K, Kimura M, et al: Resection Of Primary Pleural Pedunculate Hemangiopericytoma. *Ann Thorac Surg*, 2004 Jun; 77(6):2210-3.

### **Case No. 6 - Accession No. 29965**

**April, 2005**

Escondido - Follicular lymphoid hyperplasia  
Glendale - ? Hodgkin's disease  
Granada Hills - Inflammatory pseudotumor of lymph node  
Loma Linda (LLUMC Residents) - Pseudolymphoma  
Orange (UCI Medical Center Residents) - Hodgkin's lymphoma  
Sacramento (U.C. Davis Medical Center Residents) - Hodgkin's lymphoma  
San Francisco (San Francisco General Hospital) - Angioimmunoblastic lymphadenopathy/T-lymphoma  
Arizona, Phoenix - Nodular lymphocyte predominant Hodgkin's lymphoma  
Colorado, Denver - Lymphogranuloma venereum  
Florida (Munroe Regional Medical Center) - Castleman's disease  
Florida (Winter Haven Hospital) - Suspicious for Hodgkin's disease  
Georgia, Decatur - Hodgkin's lymphoma, ? LP type  
Illinois (Heartland Regional Medical Center) - Lymphoproliferative lesion  
Kansas (Coffeyville Regional Medical Center) - Reactive lymph node  
Kansas, Manhattan - Castleman's  
Maryland (Johns Hopkins Hospital) - Lymphoma, NOS (work up with immunostains, TCR, etc.) (1); TCRLBCL (1)  
Maryland (National Naval Medical Center) - Angio-immunoblastic lymphoma, T-cell  
Maryland (University of Maryland Medical Center) - Pseudolymphoma vs follicular lymphoma  
Michigan (University of Michigan) - Nodular lymphocyte predominant Hodgkin lymphoma  
New York (Nassau University Medical Center) - T-cell lymphoma  
New York (State University of New York at Stony Brook) - Hodgkin's lymphoma, lymphocyte predominant type  
New York (Westchester Medical Center) - Pseudolymphoma/pseudotumor  
North Carolina (Wake Forest University School of Medicine) - Atypical paracortical hyperplasia  
North Carolina (Womack Army Medical Center) - Reactive lymphoid hyperplasia (4)  
North Carolina, Winston-Salem - Reactive lymph node (1); Metastatic chromophobe renal cell carcinoma (1)  
Ohio (Medical College of Ohio) - Follicular hyperplasia  
Pennsylvania (Conemaugh Memorial Medical Center) - Lymphocytic predominant Hodgkin lymphoma  
Texas (Scott & White Memorial Hospital) - Interfollicular reactive hyperplasia  
Texas, Lubbock - Inflammatory pseudotumor  
Texas, Sugarland - Hodgkin's lymphoma, mixed cellularity  
Washington, D.C. - Atypical lymphoid proliferation  
Canada (Foothills Medical Center) - Lymphocyte predominant Hodgkin disease  
Canada (Woodstock General Hospital) - Pseudolymphoma, base of penis  
China (Sir Run Run Shaw Hospital) - Small cell lymphoma  
Italy, Naples - Malignant lymphoma, mixed small cleaved and large cell  
Japan (Asahi General Hospital) - Consistent with angio-immunoblastic T-cell lymphoma  
Japan (Hamamatsu University School of Medicine) - Malignant lymphoma, favor follicular lymphoma



Puerto Rico (University of Puerto Rico) - Lymphocytoma  
Qatar, Doha - Atypical lymphoproliferative lesion with features suggestive of low grade lymphoma  
Spain (Povisa) - Lymphoid hyperplasia vs inflammatory pseudotumor  
The Netherlands, Amstelveen - Lymphocyte predominant Hodgkin lymphoma

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

**Lymphoid hyperplasia/pseudolymphoma, penis**  
**T-76000, M-72290**

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

Weyers W, Ende Y, Schalla W, Diaz-Cascao C: Balanitis Of Zoon: A Clinicopathologic Study Of 45 Cases. *Am J Dermatopathol*, 2002 Dec; 24(6):459-67.  
Molina TJ, Devez F, Bigorgne C, et al: Detection Of bcl-2 Rearrangement In HIV-Related Follicular Lymphoid Hyperplasia. *Br J Haematol*, 1996 Sep; 94(4):705-8.  
Schmid U, Eckert F, Griesser H, et al: Cutaneous Follicular Lymphoid Hyperplasia With Monotypic Plasma Cells. A Clinicopathologic Study Of 18 Patients. *Am J Surg Pathol*, 1995 Jan; 19(1):12-20.

#### **Case No. 7 - Accession No. 29801**

**April, 2005**

Escondido - Myxoma  
Glendale - Sclerosing stromal tumor  
Granada Hills - Clear cell carcinoma, ovary  
Orange (UCI Medical Center Residents) - Massive ovarian edema  
Sacramento (U.C. Davis Medical Center Residents) - Florid decidual reaction  
San Francisco (San Francisco General Hospital) - Sclerosing stromal tumor  
Arizona, Phoenix - Luteinized thecoma  
Colorado, Denver - Low grade sarcoma  
Florida (Munroe Regional Medical Center) - Sclerosing stromal tumor  
Florida (Winter Haven Hospital) - Angiomyxoma  
Georgia, Decatur - Myxoma  
Illinois (Heartland Regional Medical Center) - Myxoid neoplasm  
Kansas (Coffeyville Regional Medical Center) - Monodermal teratoma  
Kansas, Manhattan - Myxoid fibroma  
Maryland (Johns Hopkins Hospital) - Low grade sarcoma with myxoid features (PEComa) (1); Thecoma/fibroma (1)  
Maryland (National Naval Medical Center) - Sex-cord stromal tumor, NOS  
Maryland (University of Maryland Medical Center) - Rule out metastatic carcinoma from kidney  
Michigan (University of Michigan) - Ovarian myxoma  
New York (Nassau University Medical Center) - Juvenile granulosa cell tumor  
New York (State University of New York at Stony Brook) - Juvenile granulosa cell tumor  
New York (Westchester Medical Center) - Adenomatoid tumor  
North Carolina (Wake Forest University School of Medicine) - Ovarian myxoma  
North Carolina (Womack Army Medical Center) - Luteinized stromal tumor (4)  
North Carolina, Winston-Salem - Epithelioid hemangioendothelioma (1); Oncocytomas, multiple (1)  
Ohio (Medical College of Ohio) - Massive stromal edema of ovary  
Pennsylvania (Conemaugh Memorial Medical Center) - Thecoma  
Texas (Scott & White Memorial Hospital) - Luteinized thecoma  
Texas, Lubbock - Fibromyxoma  
Texas, Sugarland - Ovarian myxoma  
Washington, D.C. - Stromal endometriosis (pseudoxanthoma)  
Canada (Foothills Medical Center) - Massive edema  
Canada (Woodstock General Hospital) - Yolk sac tumor, ovary  
Japan (Asahi General Hospital) - Granular cell reaction in ovarian cyst  
Japan (Hamamatsu University School of Medicine) - Stromal hyperthecosis  
Puerto Rico (University of Puerto Rico) - Angiomyxoid tumor  
Qatar, Doha - Sclerosing stromal tumor  
Spain (Povisa) - Fibroma with myxoid changes vs myxoma vs massive ovarian edema  
The Netherlands, Amstelveen - Massive edema, benign (torsion?)

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

#### **Ovarian myxoma**

**T-87000, M-8840/0**

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

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- Brady K, Page DV, Benn LE, et al: Ovarian Myxoma. *Am J Obstet Gynecol*, 1987 May; 156(5):1240-2.
- Costa MJ, Thomas W, Majmudar B, Hewan-Lowe K: Ovarian Myxoma: Ultrastructural And Immunohistochemical Findings. *Ultrastruc Pathol*, 1992 Jul-Aug; 16(4):429-38.
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### **Case No. 8 - Accession No. 29972**

**April, 2005**

Escondido - Oncocytoma  
Glendale - Oncocytoma  
Granada Hills - Renal cell carcinoma  
Loma Linda (LLUMC Residents) - Oncocytosis  
Orange (UCI Medical Center Residents) - Oncocytomatosis  
Sacramento (U.C. Davis Medical Center Residents) - Oncocytoma  
San Francisco (San Francisco General Hospital) - Oncocytoma  
Arizona, Phoenix - Renal oncocytoma  
Colorado, Denver - Oncocytoma  
Florida (Munroe Regional Medical Center) - Oncocytoma  
Florida (Winter Haven Hospital) - Oncocytoma  
Georgia, Decatur - Oncocytoma  
Illinois (Heartland Regional Medical Center) - Oncocytoma  
Kansas (Coffeyville Regional Medical Center) - Oncocytoma  
Kansas, Manhattan - Oncocytoma  
Maryland (Johns Hopkins Hospital) - Oncocytosis (2)  
Maryland (National Naval Medical Center) - Oncocytoma, atypical, multicentric  
Maryland (University of Maryland Medical Center) - Oncocytosis with small incidental carcinoma  
Michigan (University of Michigan) - Oncocytomatosis  
New York (Nassau University Medical Center) - Oncocytoma  
New York (State University of New York at Stony Brook) - Multiple oncocytoma  
New York (Westchester Medical Center) - Oncocytoma/Oncocytosis  
North Carolina (Wake Forest University School of Medicine) - Oncocytosis  
North Carolina (Womack Army Medical Center) - Chromophobe renal cell carcinoma (4)  
North Carolina, Winston-Salem - Cystic oncocytic renal cell carcinoma (1); Castleman's Disease, HV type (1)  
Ohio (Medical College of Ohio) - Oncocytoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Oncocytoma  
Texas (Scott & White Memorial Hospital) - Oncocytosis  
Texas, Lubbock - Oncocytoma  
Texas, Sugarland - Oncocytosis  
Washington, D.C. - Oncocytoma  
Canada (Foothills Medical Center) - Oncocytoma  
Canada (Woodstock General Hospital) - Oncocytosis with oncocytic tumor, kidney  
China (Sir Run Run Shaw Hospital) - Oncocytoma  
Italy, Naples - Oncocytoma (oncocytosis)  
Japan (Asahi General Hospital) - Clear cell renal cell carcinoma  
Japan (Hamamatsu University School of Medicine) - Oncocytosis  
Puerto Rico (University of Puerto Rico) - Oncocytosis  
Qatar, Doha - Oncocytoma  
Spain (Povisa) - Oncocytosis  
The Netherlands, Amstelveen - Oncocytoma of the kidney

**Case 8 - Diagnosis:**

**Oncocytoma/oncocytosis**  
**T-71000, M-8290/0**

**Outside Consultation:** (AFIP): Right Kidney Biopsy: Renal Oncocytoma.

**Case 8 - References:**

- Shiga Y, Suzuki K, Tsutsumi M, et al: Renal Oncocytomatosis In A Long-Term Hemodialysis Patient Treated By Laparoscopic Surgery. *Int J Urol*, 2002 Nov; 9(11):646-9.
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**Case No. 9 - Accession No. 29744**

**April, 2005**

Escondido - Fibrosarcoma  
Glendale - GIST  
Granada Hills - Retroperitoneal stromal tumor  
Loma Linda (LLUMC Residents) - GIST  
Orange (UCI Medical Center Residents) - Retroperitoneal GIST  
Sacramento (U.C. Davis Medical Center Residents) - GI stromal tumor  
San Francisco (San Francisco General Hospital) - Gastrointestinal stromal tumor  
Arizona, Phoenix - Gastrointestinal stromal tumor  
Colorado, Denver - Gastrointestinal stromal tumor  
Florida (Munroe Regional Medical Center) - Gastrointestinal stromal tumor  
Florida (Winter Haven Hospital) - GIST  
Georgia, Decatur - Gastrointestinal stromal tumor  
Illinois (Heartland Regional Medical Center) - GIST, low grade, malignant  
Kansas (Coffeyville Regional Medical Center) - G.I.S.T.  
Kansas, Manhattan - Gastrointestinal stromal tumor  
Maryland (Johns Hopkins Hospital) - Malignant gastrointestinal stromal tumor (2)  
Maryland (National Naval Medical Center) - Gastrointestinal stromal tumor, malignant  
Maryland (University of Maryland Medical Center) - GIST with GANT features  
Michigan (University of Michigan) - Gastrointestinal stromal tumor  
New York (Nassau University Medical Center) - GIST  
New York (State University of New York at Stony Brook) - GIST  
New York (Westchester Medical Center) - Gastrointestinal stromal tumor  
North Carolina (Wake Forest University School of Medicine) - Gastrointestinal stromal tumor  
North Carolina (Womack Army Medical Center) - Extra-gastrointestinal stromal tumor (4)  
North Carolina, Winston-Salem - Gastrointestinal stromal tumor (2)  
Ohio (Medical College of Ohio) - Gastrointestinal stromal tumor  
Pennsylvania (Conemaugh Memorial Medical Center) - GIST  
Texas (Scott & White Memorial Hospital) - GIST  
Texas, Lubbock - Extra-gastrointestinal stromal tumor  
Texas, Sugarland - Gastrointestinal stromal tumor  
Washington, D.C. - GIST  
Canada (Foothills Medical Center) - GIST  
Canada (Woodstock General Hospital) - Gastrointestinal stromal tumor, probably malignant, retroperitoneal mass  
China (Sir Run Run Shaw Hospital) - Gastrointestinal stromal tumor  
Italy, Naples - Gastrointestinal stromal tumor  
Japan (Asahi General Hospital) - Gastrointestinal stromal tumor  
Japan (Hamamatsu University School of Medicine) - GIST  
Puerto Rico (University of Puerto Rico) - Malignant gastrointestinal stromal tumor  
Qatar, Doha - Gastrointestinal stromal tumor, borderline  
Spain (Povisa) - Gastrointestinal stromal tumor (extra GIST)  
The Netherlands, Amstelveen - Gastrointestinal stromal tumor (GIST)

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

#### **Gastrointestinal stromal tumor (GIST), retroperitoneum T-Y4600, M-96103**

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

- Kontogianni K, Demonakou M, Kavantzis N, et al: Prognostic Predictors Of Gastrointestinal Stromal Tumors: A Multi-Institutional Analysis Of 102 Patients With Definition Of A Prognostic Index. *Eur J Surg Oncol*, 2003 Aug; 29(6):548-56.
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- Mol CD, Lim KB, Sridhar V, et al: Structure Of A C-Kit Product Complex Reveals The Basis For Kinase Transactivation. *J Biol Chem*, 2003 Aug 22; 278(34):31461-4.

### **Case No. 10 - Accession No. 29765**

**April, 2005**

Escondido - Inflammatory pseudotumor  
Glendale - Endometrial stromal sarcoma  
Granada Hills - Cellular leiomyoma  
Loma Linda (LLUMC Residents) - Endometrial stromal tumor (low grade)  
Orange (UCI Medical Center Residents) - Endometrial stromal sarcoma  
Sacramento (U.C. Davis Medical Center Residents) - Endometrial stromal nodule  
San Francisco (San Francisco General Hospital) - Endometrial stromal sarcoma  
Arizona, Phoenix - Endometrial stromal sarcoma  
Colorado, Denver - Mixed mullerian tumor  
Florida (Munroe Regional Medical Center) - Endometrial stromal nodule  
Florida (Winter Haven Hospital) - Leiomyoma  
Georgia, Decatur - Endometrial stromal tumor  
Illinois (Heartland Regional Medical Center) - Endometrial stromal nodule  
Kansas (Coffeyville Regional Medical Center) - Endometrial stromal tumor  
Kansas, Manhattan - Cellular leiomyoma  
Maryland (Johns Hopkins Hospital) - Endometrial stromal sarcoma (2)  
Maryland (National Naval Medical Center) - Endometrial stromal sarcoma, low-grade  
Maryland (University of Maryland Medical Center) - Endometrial stromal tumor  
Michigan (University of Michigan) - Myxoid leiomyosarcoma  
New York (Nassau University Medical Center) - Endometrial stromal sarcoma, low grade  
New York (State University of New York at Stony Brook) - Low grade endometrial stromal sarcoma  
New York (Westchester Medical Center) - Endometrial stromal sarcoma  
North Carolina (Wake Forest University School of Medicine) - Endometrial stromal nodule  
North Carolina (Womack Army Medical Center) - Endometrial stromal sarcoma (4)  
North Carolina, Winston-Salem - Cellular leiomyoma (1); Endometrial stromal nodule (1)  
Ohio (Medical College of Ohio) - Endometrial stromal sarcoma  
Pennsylvania (Conemaugh Memorial Medical Center) - Cellular leiomyoma  
Texas (Scott & White Memorial Hospital) - Stromal nodule  
Texas, Lubbock - Epithelioid leiomyoma  
Texas, Sugarland - Leiomyoma  
Washington, D.C. - Endometrial stromal nodule  
Canada (Foothills Medical Center) - Endometrial stromal sarcoma  
Canada (Woodstock General Hospital) - Low grade endometrial stromal sarcoma, uterus  
China (Sir Run Run Shaw Hospital) - Cellular leiomyoma  
Italy, Naples - Endometrial stromal nodule  
Japan (Asahi General Hospital) - Vascular leiomyoma, uterus  
Japan (Hamamatsu University School of Medicine) - Endometrial stromal sarcoma, low grade  
Puerto Rico (University of Puerto Rico) - Endometrial stromal sarcoma, low grade  
Qatar, Doha - Low grade endometrial stromal sarcoma  
Spain (Povisa) - Stromal tumor

The Netherlands, Amstelveen - (Stromo) leiomyoma

**Case 10 - Diagnosis:**

**Low grade endometrial stromal sarcoma, myometrium  
T-85000, M-8930/3**

**Case 10 - References:**

- Micci F, Walter CU, Teixeira MR, et al: Cytogenetic And Molecular Genetic Analyses Of Endometrial Stromal Sarcoma: Nonrandom Involvement Of Chromosome Arms 6p And 7p And Confirmation Of JAZF1/JJAZ1 Gene Fusion In t(7;17). *Cancer Genet Cytogenet*, 2003 Jul 15; 144(2):119-24.
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- Chu MC, Mor G, Lim C, et al: Low-Grade Endometrial Stromal Sarcoma: Hormonal Aspects. *Gynecol Oncol*, 2003 Jul; 90(1):170-6.