



CALIFORNIA  
TUMOR TISSUE REGISTRY

“GENERAL PATHOLOGY”

Minutes – Subscription B

November, 2003



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

Prostate Cancer Epidemiology. Gronberg H. *The Lancet*, 2003 Mar 8; 361:859-863.

Digital Imaging Guidelines for Pathology: A Proposal For General and Academic Use. Pritt BS, Gibson, PC, Cooper K. *Adv Anat Pathol*, 2003 Mar; 10(2):96-100.

Methods in Molecular Surgical Pathology. El-Naggar AK. *Sem Diagn Pathol*, 2002 May; 19(2):56-71.

Surgical Genomics is Here. Johnson JL, Harken AH. *Surgery*, 2003 Feb; 133(2):127-32.

Adding a Test For Human Papillomavirus DNA to Cervical Cancer Screening. Wright TC, Schiffman M. *N Engl J Med*, 2003 Feb 6; 348(6):489-90.

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## **FILE DIAGNOSES**

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**CTTR Subscription B**

**November, 2003**

**Case 1:**

**Mucinous cystadenoma, ovary  
T-87000, M-84700**

**Case 2:**

**Borderline (LMP) serous tumor, ovary  
T-87000, M-84410**

**Case 3:**

**Renal cell carcinoma, collecting duct type, with sarcomatoid features, kidney  
T-71000, M-83123**

**Case 4:**

**Angiomyofibroblastoma, vulva  
T-80100, M-91600**

**Case 5:**

**Poorly-differentiated transitional cell carcinoma, ovary  
T-87000, M-81202**

**Case 6:**

**High grade endometrioid carcinoma, ovary  
T-87000, M-83803**

**Case 7:**

**Aggressive angiomyxoma, inguinal region  
T-Y7000, M-88400**

**Case 8:**

**Myxoid/round cell liposarcoma, thigh  
T-Y9100, M-88533**

**Case 9:**

**Clear cell carcinoma, probably metastatic, groin  
T-Y7000, M-83106**

**Case 10:**

**Dedifferentiated liposarcoma, retroperitoneum  
T-Y4600, M-88503**

Escondido - Mucinous cystadenoma  
Glendale (Glendale Pathology Association) - Mucinous cystadenoma  
Granada Hills - Mucinous cystadenoma  
Loma Linda (LLUMC Residents) - Mucinous cystadenoma, intestinal type  
Orange (UCI Medical Center Residents) - Mucinous cystadenoma  
San Francisco (San Francisco General Hospital) - Mucinous adenoma, intestinal type  
Arizona, Phoenix - Mucinous cystadenoma, mixed endocervical and intestinal type  
Colorado, Denver - Serous cystadenoma  
Florida (Munroe Regional Medical Center) - Mucinous cystadenoma  
Florida (Winter Haven Hospital) - Mucinous cystadenoma  
Georgia, Decatur - Mucinous cystadenoma  
Illinois (Heartland Regional Medical Center) - Cystadenoma (mixed serous - mucinous)  
Kansas (Coffeyville Regional Medical Center) - Cystic endometrioma, ovary  
Kansas (Kansas University Medical Center) - Mucinous cystadenoma  
Kentucky (University of Louisville Hospital) - Mucinous cystadenoma  
Louisiana, Metairie - Mucinous cystadenoma  
Maryland (Johns Hopkins Medical Center) - Mucinous cystadenofibroma  
Maryland (National Cancer Institute) - Mature teratoma  
Maryland (National Naval Medical Center) - Mucinous cystadenoma (15)  
Michigan (Henry Ford Hospital) - Mucinous cystadenoma, ovary  
Michigan (St. Joseph Mercy Hospital) - Mucinous cystadenoma  
Missouri, Joplin - Mixed serous-mucinous cystadenoma  
New Mexico (University of New Mexico) - Mucinous cystadenoma  
New York (Nassau University Medical Center) - Mucinous cystadenoma, borderline  
New York (New York Presbyterian Hospital) - Mucinous cystadenoma  
New York (Stony Brook University Hospital) - Mucinous cystadenoma, endocervical type  
Ohio (Medical College of Ohio) - Mucinous cystadenoma  
Oklahoma (Reynolds Army Community Hospital) - Mucinous cystadenoma  
Pennsylvania (Allegheny General Hospital) - Mucinous cystadenoma  
Pennsylvania (Drexel University School of Medicine) - Mucinous cystadenofibroma  
Pennsylvania (UPMC/Shadyside) - Mucinous cystadenoma of ovary  
Rhode Island (Brown University Residents) - Mucinous cystadenoma  
Texas (Scott & White Hospital) - Mucinous cystadenoma with intestinal type epithelium  
Texas, Lubbock - Mucinous cystadenoma  
Texas, San Antonio - Mucinous cystadenoma  
Washington, D.C. - Mucinous cystadenoma (intestinal type)  
Canada (CUSI, Site Fleurimont) - Benign mucinous tumor  
Canada (University of Calgary, Foothills Hospital) - Mucinous cystadenoma  
China (Sir Run Run Shaw Hospital) - Mucinous cystadenoma  
Italy, Naples - Intestinal-type mucinous cystadenoma  
Japan (Gunma University) - Mucinous cystadenoma  
Japan (Hamamatsu University School of Medicine) - Mucinous cystadenoma  
Japan, Chiba - Mucinous cystadenoma of ovary  
Puerto Rico (University of Puerto Rico) - Mucinous cystadenoma  
Qatar, Doha - Mucinous cyst adenoma of ovary  
Spain (Povisa) - Mucinous cystadenoma

**Case 1 - Diagnosis:****Mucinous cystadenoma, ovary****T-87000, M-84700****Case 1 - References:**

- Balat O, Kutlar I, Erkilic S, et al: Unthreatened Late Pregnancy With a Huge Mucinous Cyst Adenoma of the Left Ovary: Report of An Unusual Case. *Eur J Gynaecol Oncol*, 2002; 23(1):84-5.
- Shiohara S, Shiozawa T, Shimizu M, et al: Histochemical Analysis of Estrogen and Progesterone Receptors and Gastric-Type Mucin in Mucinous Ovarian Tumors With Reference to Their Pathogenesis. *Cancer*, 1997 Sep 1; 80(5):908-16.
- Ganjej P, Dickinson B, Harrison T, et al: Aspiration Cytology of Neoplastic and Non-Neoplastic Ovarian Cysts: Is it Accurate? *Int J Gynecol Pathol*, 1996 Apr; 15(2):94-101.
- Harlozinska A, Bar JK, Gawlikowski W, et al: CA-125 and Carcinoembryonic Antigen Levels in Cyst Fluid, Ascites and Serum of Patients With Ovarian Neoplasms. *Ann Chir Gynaecol*, 1991; 80(4):368-75.

**Case No. 2, Accession No. 28263**

**November, 2003**

Escondido - Serous papillary cystic tumor of borderline malignancy  
Glendale (Glendale Pathology Association) - Serous tumor of low malignant potential  
Granada Hills - Serous carcinoma, well-differentiated  
Loma Linda (LLUMC Residents) - Borderline (proliferating or LMP) serous tumor  
Orange (UCI Medical Center Residents) - Borderline serous tumor  
San Francisco (San Francisco General Hospital) - Serous tumor of LMP (low malignant potential)  
Arizona, Phoenix - Atypical proliferative serous tumor (serous tumor of borderline malignancy)  
Colorado, Denver - Papillary serous tumor of low malignant potential  
Florida (Munroe Regional Medical Center) - Serous papillary tumor, borderline  
Florida (Winter Haven Hospital) - Borderline serous tumor  
Georgia, Decatur - Serous borderline tumor  
Illinois (Heartland Regional Medical Center) - Papillary serous cystadenoma of borderline malignancy  
Kansas (Coffeyville Regional Medical Center) - Papillary serous cystadenoma - borderline potential, ovary  
Kansas (Kansas University Medical Center) - Borderline papillary serous cystadenoma  
Kentucky (University of Louisville Hospital) - Papillary serous tumor of low malignant potential  
Louisiana, Metairie - Papillary serous cystadenocarcinoma  
Maryland (Johns Hopkins Medical Center) - Atypical proliferative (borderline) serous tumor  
Maryland (National Cancer Institute) - Serous adenocarcinoma  
Maryland (National Naval Medical Center) - Borderline serous tumor (15)  
Michigan (Henry Ford Hospital) - Atypical proliferating serous tumor, ovary  
Michigan (St. Joseph Mercy Hospital) - Atypical (LMP) proliferating serous tumor  
Missouri, Joplin - Micropapillary carcinoma of ovary  
New Mexico (University of New Mexico) - Borderline serous tumor  
New York (Nassau University Medical Center) - Serous cystadenoma, borderline  
New York (New York Presbyterian Hospital) - Borderline serous tumor  
New York (Stony Brook University Hospital) - Borderline serous cystadenoma  
Ohio (Medical College of Ohio) - Serous borderline tumor  
Oklahoma (Reynolds Army Community Hospital) - Serous borderline tumor  
Pennsylvania (Allegheny General Hospital) - Borderline serous papillary tumor  
Pennsylvania (Drexel University School of Medicine) - Micropapillary serous carcinoma  
Pennsylvania (UPMC/Shadyside) - Borderline serous cystadenoma of ovary (LMP - low malignant potential)  
Rhode Island (Brown University Residents) - Serous borderline tumor  
Texas (Scott & White Hospital) - Papillary serous tumor of low malignant potential  
Texas, Lubbock - Papillary serous tumor, borderline  
Texas, San Antonio - Serous borderline tumor  
Washington, D.C. - Serous borderline tumor  
Canada (CUSI, Site Fleurimont) - Borderline serous tumor  
Canada (University of Calgary, Foothills Hospital) - Borderline serous tumor  
China (Sir Run Run Shaw Hospital) - Serous papillary cystadenoma, borderline malignancy  
Italy, Naples - Serous borderline tumor  
Japan (Gunma University) - Serous borderline tumor with micropapillary pattern  
Japan (Hamamatsu University School of Medicine) - Serous borderline tumor  
Japan, Chiba - Borderline serous tumor of ovary  
Puerto Rico (University of Puerto Rico) - Proliferating (borderline) papillary serous cystadenoma  
Qatar, Doha - Borderline serous tumor of ovary  
Spain (Povisa) - Borderline serous papillary cystadenoma

**Case 2 - Diagnosis:**

**Borderline (LMP) serous tumor, ovary  
T-87000, M-84410**

**Case 2 - References:**

Seidman JD, Kurman RJ: Subclassification of Serous Borderline Tumors of the Ovary Into Benign and Malignant Types: A Clinicopathologic Study of 65 Advanced Stage Cases. *Am J Surg Pathol*, 1996 Nov; 20(11):1331-45.

- Pejovic T, Iosif CS, Mitelman F, Heim S: Karyotypic Characteristics of Borderline Malignant Tumors of the Ovary: Trisomy 12, Trisomy 7, and r(1) as Nonrandom Features. *Cancer Genet Cytogenet*, 1996 Dec; 92(2):95-8.
- Kennedy AW, Hart WR: Ovarian Papillary Serous Tumors of Low Malignant Potential (Serous Borderline Tumors): A Long-Term Follow-Up Study, Including Patients With Microinvasion, Lymph Node Metastasis, and Transformation To Invasive Serous Carcinoma. *Cancer*, 1996 Jul 15; 78(2):278-86.
- Prat J: Ovarian Tumors of Borderline Malignancy (Tumors of Low Malignant Potential): A Critical Appraisal. *Adv Anat Pathol*, 1999 Sept; 6(5):247-74. Review.
- Kadar N, Krumerman M: Possible Metaplastic Origin of Lymph Node "Metastases" in Serous Ovarian Tumor of Low Malignant Potential (Borderline Serous Tumor). *Gynecol Oncol*, 1995 Dec; 59(3):394-7.

### Case No. 3, Accession No. 28686

November, 2003

Escondido - Transitional cell carcinoma, Grade III, infiltrating renal parenchyma  
Glendale (Glendale Pathology Association) - Collecting duct carcinoma  
Granada Hills - Collecting duct carcinoma  
Loma Linda (LLUMC Residents) - High grade carcinoma, favor transitional cell carcinoma  
Orange (UCI Medical Center Residents) - Renal cell carcinoma, collecting duct type  
San Francisco (San Francisco General Hospital) - TCC (transitional cell carcinoma) with glandular differentiation  
Arizona, Phoenix - Renal cell carcinoma, Grade IV  
Colorado, Denver - Sarcomatoid renal cell carcinoma  
Florida (Munroe Regional Medical Center) - Collecting duct carcinoma  
Florida (Winter Haven Hospital) - Collecting duct carcinoma  
Georgia, Decatur - Collecting duct carcinoma  
Illinois (Heartland Regional Medical Center) - Collecting duct carcinoma  
Kansas (Coffeyville Regional Medical Center) - Rhabdoid tumor, kidney  
Kansas (Kansas University Medical Center) - Renal cell carcinoma - sarcomatoid versus collecting duct variant  
Kentucky (University of Louisville Hospital) - Invading transitional cell carcinoma versus collecting duct carcinoma  
Louisiana, Metairie - Collecting duct carcinoma  
Maryland (Johns Hopkins Medical Center) - In-situ and infiltrating TCC (transitional cell carcinoma)  
Maryland (National Cancer Institute) - Collecting duct carcinoma  
Maryland (National Naval Medical Center) - Transitional cell carcinoma (7); Collecting duct carcinoma (6); Collecting duct carcinoma with urothelial carcinoma in-situ (2)  
Michigan (Henry Ford Hospital) - Renal cell carcinoma, kidney  
Michigan (St. Joseph Mercy Hospital) - High grade carcinoma, favor medullary type  
Missouri, Joplin - Xanthogranulomatous pyelonephritis  
New Mexico (University of New Mexico) - Collecting duct carcinoma  
New York (Nassau University Medical Center) - Medullary carcinoma  
New York (New York Presbyterian Hospital) - Transitional cell carcinoma  
New York (Stony Brook University Hospital) - Transitional cell carcinoma  
Ohio (Medical College of Ohio) - Collecting duct carcinoma  
Oklahoma (Reynolds Army Community Hospital) - Collecting duct carcinoma  
Pennsylvania (Allegheny General Hospital) - Collecting duct carcinoma  
Pennsylvania (Drexel University School of Medicine) - Collecting duct carcinoma  
Pennsylvania (UPMC/Shadyside) - Transitional (urothelial) carcinoma, high grade  
Rhode Island (Brown University Residents) - Collecting duct carcinoma  
Texas (Scott & White Hospital) - Sarcomatoid renal cell carcinoma  
Texas, Lubbock - Collecting duct carcinoma  
Texas, San Antonio - RCC (renal cell carcinoma), collecting duct versus unclassified  
Washington, D.C. - Renal cell carcinoma (tubular)  
Canada (CUSI, Site Fleurimont) - Collecting duct carcinoma  
Canada (University of Calgary, Foothills Hospital) - Urothelial carcinoma  
China (Sir Run Run Shaw Hospital) - Renal cell carcinoma, collecting duct type  
Italy, Naples - Collecting duct carcinoma  
Japan (Gunma University) - Collecting duct carcinoma  
Japan (Hamamatsu University School of Medicine) - Sarcomatoid carcinoma  
Japan, Chiba - Collecting duct carcinoma of kidney  
Puerto Rico (University of Puerto Rico) - Collecting duct carcinoma/transitional cell carcinoma  
Qatar, Doha - Collecting duct carcinoma  
Spain (Povisa) - Transitional cell carcinoma versus collecting duct carcinoma

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

#### **Renal cell carcinoma, collecting duct type, with sarcomatoid features, kidney T-71000, M-83123**

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

- Baer SC, Ro JY, Ordonez NG, et al: Sarcomatoid Collecting Duct Carcinoma: A Clinicopathologic And Immunohistochemical Study Of Five Cases. *Hum Pathol*, 1993 Sep; 24(9):1017-22
- Kirkali Z, Celebi I, Akan G, Yorokoglu K: Bellini Duct (Collecting Duct) Carcinoma Of The Kidney. *Urology*, 1996 Jun; 47(6):921-3.
- Pasechnik DG: Modern Histologic Classification of Renal Neoplasms. *Arkh Patol*, 2001 Nov-Dec; 63(6):50-5.
- De Peralta-Venturina M, Moch H, Amin M, et al: Sarcomatoid Differentiation in Renal Cell Carcinoma: A Study of 101 Cases. *Am J Surg Pathol*, 2001 Mar; 25(3):275-84.
- Dal Cin P, Sciort R, Van Poppel H, et al: Chromosome Changes in Sarcomatoid Renal Carcinomas Are Different From Those In Renal Cell Carcinomas. *Cancer Genet Cytogenet*, 2002 Apr 1; 134(1):38-40.
- Mian BM, Bhadkamkar N, Slaton JW, et al: Prognostic Factors and Survival of Patients With Sarcomatoid Renal Cell Carcinoma. *J Urol*, 2002 Jan; 167(1):65-70.

### **Case No. 4, Accession No. 28498**

**November, 2003**

Escondido - Aggressive angiomyxoma

Glendale (Glendale Pathology Association) - Fibroepithelial polyp

Granada Hills - Vulvar vestibular papilloma (micropapilloma labialis)

Loma Linda (LLUMC Residents) - Angiomyxoma

Orange (UCI Medical Center Residents) - Aggressive angiomyxoma

San Francisco (San Francisco General Hospital) - Aggressive angiomyxoma

Arizona, Phoenix - Aggressive angiomyxoma

Colorado, Denver - Myxoma

Florida (Munroe Regional Medical Center) - Aggressive angiomyxoma

Florida (Winter Haven Hospital) - Aggressive angiomyxoma

Georgia, Decatur - Angiomyofibroblastoma

Illinois (Heartland Regional Medical Center) - Aggressive angiomyxoma

Kansas (Coffeyville Regional Medical Center) - Aggressive angiomyxoma, vulva

Kansas (Kansas University Medical Center) - Angiomyxoma (aggressive)

Kentucky (University of Louisville Hospital) - Aggressive angiomyxoma versus myxoma

Louisiana, Metairie - Aggressive angiomyxoma

Maryland (Johns Hopkins Medical Center) - Angiomyofibroblastoma

Maryland (National Cancer Institute) - Aggressive angiomyxoma

Maryland (National Naval Medical Center) - Deep (aggressive) angiomyxoma (7); Angiofibroma (3); Superficial angiomyxoma (3)

Michigan (Henry Ford Hospital) - Aggressive angiomyxoma, vulva

Michigan (St. Joseph Mercy Hospital) - Angiomyxoma

Missouri, Joplin - Aggressive angiomyxoma

New Mexico (University of New Mexico) - Aggressive angiomyxoma

New York (Nassau University Medical Center) - Aggressive angiomyxoma

New York (New York Presbyterian Hospital) - Aggressive angiomyxoma

New York (Stony Brook University Hospital) - Aggressive angiomyxoma

Ohio (Medical College of Ohio) - Aggressive angiomyxoma

Oklahoma (Reynolds Army Community Hospital) - Aggressive angiomyxoma

Pennsylvania (Allegheny General Hospital) - Aggressive angiomyxoma

Pennsylvania (Drexel University School of Medicine) - Superficial angiomyxoma

Pennsylvania (UPMC/Shadyside) - Angiomyofibroblastoma

Rhode Island (Brown University Residents) - Angiomyofibroblastoma

Texas (Scott & White Hospital) - Aggressive angiomyxoma

Texas, Lubbock - Aggressive angiomyxoma

Texas, San Antonio - Angiomyxoma

Washington, D.C. - Aggressive angiomyxoma

Canada (CUSL Site Fleurimont) - Aggressive angiomyxoma

Canada (University of Calgary, Foothills Hospital) - Aggressive angiomyxoma

China (Sir Run Run Shaw Hospital) - Aggressive angiomyxoma

Italy, Naples - Angiomyofibroblastoma

Japan (Gunma University) - Aggressive angiomyxoma

Japan (Hamamatsu University School of Medicine) - Cellular angiofibroma  
Japan, Chiba - Aggressive angiomyxoma of vulva  
Puerto Rico (University of Puerto Rico) - Aggressive angiomyxoma  
Qatar, Doha - Aggressive angiomyxoma  
Spain (Povisa) - Aggressive angiomyxoma

**Case 4 - Diagnosis:**

**Angiomyofibroblastoma, vulva  
T-80100, M-91600**

**Director Note:** Aberrant smooth muscle in the stroma was desmin-positive. (drc)

**Case 4 - References:**

Hisaoka M, Kouho H, Aoki T, et al: Angiomyofibroblastoma of the Vulva: A Clinicopathologic Study of Seven Cases. *Pathol Int*, 1995 Jul; 45(7):487-92.  
Takeshima Y, Shinkoh Y, Inai K: Angiomyofibroblastoma of the Vulva: A Mitotically Active Variant? *Pathol Int*, 1998 Apr; 48(4):292-6. Review.  
Bigotti G, Coli A, Gasbarri A, et al: Angiomyofibroblastoma and Aggressive Angiomyxoma: Two Benign Mesenchymal Neoplasms of the Female Genital Tract: An Immunohistochemical Study. *Pathol Res Pract*, 1999; 195(1):39-44.  
Havel G, Burian P, Kohrtz M, Mark J: Aggressive Angiomyxoma of the Vulva: An Unusual, Deceptive and Recurrence-Prone Tumour With Evidence of Estrogen Receptor Expression: Case Report. *APMIS*, 1994 Mar; 102(3):236-40.

**Case No. 5, Accession No. 28682**

**November, 2003**

Escondido - Undifferentiated carcinoma  
Glendale (Glendale Pathology Association) - Transitional cell carcinoma  
Granada Hills - Endometrioid tumor  
Loma Linda (LLUMC Residents) - Undifferentiated high grade carcinoma  
Orange (UCI Medical Center Residents) - Transitional cell carcinoma  
San Francisco (San Francisco General Hospital) - High grade transitional cell carcinoma  
Arizona, Phoenix - Transitional cell carcinoma (malignant Brenner tumor)  
Colorado, Denver - High grade papillary serous carcinoma  
Florida (Munroe Regional Medical Center) - Malignant Brenner tumor  
Florida (Winter Haven Hospital) - Undifferentiated carcinoma  
Georgia, Decatur - Poorly-differentiated carcinoma, rule out metastasis  
Illinois (Heartland Regional Medical Center) - Poorly-differentiated adenocarcinoma (Grade III), favor endometrioid type  
Kansas (Coffeyville Regional Medical Center) - Malignant Brenner tumor, ovary  
Kansas (Kansas University Medical Center) - Poorly-differentiated ovarian carcinoma, favor transitional cell type  
Kentucky (University of Louisville Hospital) - Malignant Brenner tumor versus pure transitional cell carcinoma  
Louisiana, Metairie - Transitional cell carcinoma  
Maryland (Johns Hopkins Medical Center) - Transitional cell carcinoma  
Maryland (National Cancer Institute) - Transitional cell carcinoma  
Maryland (National Naval Medical Center) - Transitional cell carcinoma (15)  
Michigan (Henry Ford Hospital) - Transitional cell carcinoma, ovary  
Michigan (St. Joseph Mercy Hospital) - Transitional carcinoma  
Missouri, Joplin - Poorly-differentiated carcinoma, favor metastatic disease over ovarian primary  
New Mexico (University of New Mexico) - Endometrioid carcinoma  
New York (Nassau University Medical Center) - Transitional cell carcinoma  
New York (New York Presbyterian Hospital) - Metastatic poorly-differentiated adenocarcinoma  
New York (Stony Brook University Hospital) - Transitional cell carcinoma  
Ohio (Medical College of Ohio) - Poorly-differentiated adenocarcinoma  
Oklahoma (Reynolds Army Community Hospital) - Poorly-differentiated metastatic carcinoma  
Pennsylvania (Allegheny General Hospital) - Poorly-differentiated endometrioid carcinoma  
Pennsylvania (Drexel University School of Medicine) - Transitional cell carcinoma  
Pennsylvania (UPMC/Shadyside) - Poorly-differentiated serous cystadenocarcinoma of ovary  
Rhode Island (Brown University Residents) - Undifferentiated carcinoma  
Texas (Scott & White Hospital) - Transitional cell carcinoma  
Texas, Lubbock - Malignant transitional cell carcinoma  
Texas, San Antonio - Poorly-differentiated carcinoma, metastasis versus primary

Washington, D.C. - Adenocarcinoma, probably metastatic  
Canada (CUSI, Site Fleurimont) - Undifferentiated carcinoma  
Canada (University of Calgary, Foothills Hospital) - Poorly-differentiated ovarian carcinoma of surface epithelial origin  
China (Sir Run Run Shaw Hospital) - Transitional cell carcinoma/malignant Brenner tumor  
Italy, Naples - Transitional cell carcinoma  
Japan (Gunma University) - Serous adenocarcinoma  
Japan (Hamamatsu University School of Medicine) - Poorly-differentiated adenocarcinoma, metastatic  
Japan, Chiba - Gonadoblastoma of ovary  
Puerto Rico (University of Puerto Rico) - Undifferentiated carcinoma  
Qatar, Doha - Transitional cell carcinoma (malignant Brenner)  
Spain (Povisa) - Transitional cell carcinoma

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

**Poorly-differentiated transitional cell carcinoma, ovary**  
**T-87000, M-81202**

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

Soslow RA, Rouse RV, Hendrickson MR, et al: Transitional Cell Neoplasms of the Ovary and Urinary Bladder: A Comparative Immunohistochemical Analysis. *Int J Gynecol Pathol*, 1996 Jul; 15(3):257-65.  
 Roth LM, Gersell DJ, Ulbright TM: Transitional Cell Carcinoma and Other Transitional Cell Tumors of the Ovary. *Anat Pathol*, 1996; 1:179-91.  
 Riedel I, Czernobilsky B, Lifschitz-Mercer B, et al: Brenner Tumors But Not Transitional Cell Carcinomas of the Ovary Show Urothelial Differentiation: Immunohistochemical Staining of Urothelial Markers, Including Cytokeratins And Uroplakins. *Virchows Arch*, 2001 Feb; 438(2):181-91.  
 Loy TS, Sharp SC, Andershock CJ, Craig SB: Distribution of CA 19-9 in Adenocarcinomas and Transitional Cell Carcinomas: An Immunohistochemical Study of 527 Cases. *Am J Clin Pathol*, 1993 Jun; 99(6):726-8.  
 Robey SS, Silva EG, Gershenson DM, et al: Transitional Cell Carcinoma in High-Grade High-Stage Ovarian Carcinoma: An Indicator of Favorable Response to Chemotherapy. *Cancer*, 1989 Mar 1; 63(5):839-47.

**Case No. 6, Accession No. 28254**

**November, 2003**

Escondido - Endometrioid carcinoma  
Glendale (Glendale Pathology Association) - Endometrioid carcinoma  
Granada Hills - Transitional cell carcinoma  
Loma Linda (LLUMC Residents) - Endometrioid carcinoma, histologic grade III  
Orange (UCI Medical Center Residents) - Endometrioid carcinoma, Grade III  
San Francisco (San Francisco General Hospital) - High grade endometrioid carcinoma  
Arizona, Phoenix - Adenosquamous carcinoma, metastatic  
Colorado, Denver - Endometrioid carcinoma  
Florida (Munroe Regional Medical Center) - Endometrioid adenocarcinoma  
Florida (Winter Haven Hospital) - Malignant Sertoli cell tumor  
Georgia, Decatur - Endometrioid carcinoma  
Illinois (Heartland Regional Medical Center) - Poorly-differentiated endometrioid adenocarcinoma, Grade III  
Kansas (Coffeyville Regional Medical Center) - Adult granulosa cell tumor  
Kansas (Kansas University Medical Center) - Sertoli-Leydig cell tumor  
Kentucky (University of Louisville Hospital) - Endometrioid carcinoma  
Louisiana, Metairie - Endometrioid carcinoma (Grade III)  
Maryland (Johns Hopkins Medical Center) - Serous carcinoma  
Maryland (National Cancer Institute) - Undifferentiated carcinoma of ovary  
Maryland (National Naval Medical Center) - Endometrioid adenocarcinoma (15)  
Michigan (Henry Ford Hospital) - Endometrioid adenocarcinoma, ovary  
Michigan (St. Joseph Mercy Hospital) - Endometrioid adenocarcinoma  
Missouri, Joplin - Moderately-differentiated adenocarcinoma, primary site ?  
New Mexico (University of New Mexico) - Transitional cell carcinoma  
New York (Nassau University Medical Center) - Endometrioid adenocarcinoma  
New York (New York Presbyterian Hospital) - Serous carcinoma  
New York (Stony Brook University Hospital) - Carcinoid  
Ohio (Medical College of Ohio) - Metastatic carcinoma  
Oklahoma (Reynolds Army Community Hospital) - Neuroectodermal tumor, NOS  
Pennsylvania (Allegheny General Hospital) - Poorly-differentiated adenocarcinoma



Pennsylvania (Drexel University School of Medicine) - Endometrioid adenocarcinoma  
Pennsylvania (UPMC/Shadyside) - An endometrioid adenocarcinoma  
Rhode Island (Brown University Residents) - Granulosa cell tumor  
Texas (Scott & White Hospital) - Endometrioid adenocarcinoma  
Texas, Lubbock - Endometrioid adenocarcinoma  
Texas, San Antonio - Sertoli cell tumor  
Washington, D.C. - Adenocarcinoma  
Canada (CUSI, Site Fleurimont) - Primary ovarian small cell carcinoma  
Canada (University of Calgary, Foothills Hospital) - Endometrioid adenocarcinoma of ovary  
China (Sir Run Run Shaw Hospital) - Adenocarcinoma  
Italy, Naples - Carcinoid tumor  
Japan (Gunma University) - Transitional cell carcinoma  
Japan (Hamamatsu University School of Medicine) - Sertoli cell tumor, poorly-differentiated  
Japan, Chiba - Mixed germ cell - sex cord - stromal tumor of ovary  
Puerto Rico (University of Puerto Rico) - Sertoli-Leydig cell tumor/Malignant Brenner  
Qatar, Doha - Endometrioid adenocarcinoma (3); Sertoli-Leydig cell tumor of ovary (4)  
Spain (Povisa) - Poorly-differentiated carcinoma

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

**High grade endometrioid carcinoma, ovary**  
**T-87000, M-83803**

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

Leng J, Lang J, Shen K, Guo L: Overexpression of p53, EGFR, c-erbB2 and c-erbB3 in Endometrioid Carcinoma of the Ovary. *Chin Med Sci J*, 1997 Jun; 12(2):67-70.  
 Spencer JA, Swift SE, Wilkinson N, et al: Peritoneal Carcinomatosis: Image-Guided Peritoneal Core Biopsy for Tumor Type And Patient Care. *Radiology*, 2001 Oct; 221(1):173-7.  
 Moreno-Bueno G, Gamallo C, Perez-Gallego L, et al: Beta-Catenin Expression Pattern, Beta-Catenin Gene Mutations, and Microsatellite Instability in Endometrioid Ovarian Carcinomas and Synchronous Endometrial Carcinomas. *Diagn Mol Pathol*, 2001 Jun; 10(2):116-22.

#### **Case No. 7, Accession No. 28650**

**November, 2003**

Escondido - Aggressive angiomyxoma  
Glendale (Glendale Pathology Association) - Benign angiomyofibroblastoma-like tumor  
Granada Hills - Aggressive angiomyxoma  
Loma Linda (LLUMC Residents) - Angiomyxoma  
Orange (UCI Medical Center Residents) - Angiomyofibroblastoma  
San Francisco (San Francisco General Hospital) - Angiomyofibroblastoma  
Arizona, Phoenix - Angiomyofibroblastoma  
Colorado, Denver - Neurofibroma  
Florida (Munroe Regional Medical Center) - - Myxoma  
Florida (Winter Haven Hospital) - Aggressive angiomyxoma  
Georgia, Decatur - Angiomyxoma  
Illinois (Heartland Regional Medical Center) - Angiomyxoma  
Kansas (Coffeyville Regional Medical Center) - Aggressive angiomyxoma, groin  
Kansas (Kansas University Medical Center) - Angiofibroma  
Kentucky (University of Louisville Hospital) - Angiomyxoma  
Louisiana, Metairie - Cellular angiofibroma  
Maryland (Johns Hopkins Medical Center) - Angiomyxoma  
Maryland (National Cancer Institute) - Angiomyxoma  
Maryland (National Naval Medical Center) - Cellular angiofibroma (13)  
Michigan (Henry Ford Hospital) - Low grade fibromyxoid tumor, inguinal region  
Michigan (St. Joseph Mercy Hospital) - Low grade myxofibrosarcoma  
Missouri, Joplin - Neurofibroma  
New Mexico (University of New Mexico) - Liposarcoma, well-differentiated  
New York (Nassau University Medical Center) - Low grade fibromyxoid sarcoma  
New York (New York Presbyterian Hospital) - Angiomyofibroblastoma  
New York (Stony Brook University Hospital) - Low-grade myxofibrosarcoma

Ohio (Medical College of Ohio) - Low grade fibromyxoid sarcoma  
Oklahoma (Reynolds Army Community Hospital) - Angiomyxoma  
Pennsylvania (Allegheny General Hospital) - Aggressive angiomyxoma  
Pennsylvania (Drexel University School of Medicine) - Aggressive angiomyxoma  
Pennsylvania (UPMC/Shadyside) - Aggressive angiomyxoma  
Rhode Island (Brown University Residents) - Aggressive angiomyxoma  
Texas (Scott & White Hospital) - Angiomyofibroblastoma  
Texas, Lubbock - Aggressive angiomyxoma  
Texas, San Antonio - AMF  
Washington, D.C. - Angiomyofibroblastoma  
Canada (CUSI, Site Fleurimont) - Aggressive angiomyxoma  
Canada (University of Calgary, Foothills Hospital) - Myxofibrosarcoma  
China (Sir Run Run Shaw Hospital) - Aggressive angiomyxoma  
Italy, Naples - Cellular angiofibroma  
Japan (Gunma University) - Poorly-differentiated carcinoma  
Japan (Hamamatsu University School of Medicine) - Cellular angiofibroma  
Japan, Chiba - Cutaneous myxoma of right groin  
Puerto Rico (University of Puerto Rico) - Myxoid liposarcoma/inflammatory pseudotumor  
Qatar, Doha - Myxoma  
Spain (Povisa) - Angiomyxoma

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

**Aggressive angiomyxoma, inguinal region**  
**T-Y7000, M-88400**

Outside Consultation: R. Kempson, M.D., Stanford University Medical Center: "Myxoid Tumor With Recurring Potential."

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

Harris JM, North JH Jr, Hamelink JK: The Utility of Ultrasonography in the Evaluation of Groin Masses: A Case Report. *Am Surg*, 1997 Nov; 63(11):1002-4.  
 Granter SR, Nucci MR, Fletcher CD: Aggressive Angiomyxoma: Reappraisal Of Its Relationship To Angiomyofibroblastoma In A Series Of 16 Cases. *Histopathology*, 1997 Jan; 30(1):3-10.  
 Kazmierczak B, Wanschura S, Meyer-Bolte K, et al: Cytogenic And Molecular Analysis Of An Aggressive Angiomyxoma. *Am J Pathol*, 1995 Sep; 147(3):580-5.  
 Clatch RJ, Drake WK, Gonzalez JG: Aggressive Angiomyxoma In Men: A Report Of Two Cases Associated With Inguinal Hernias. *Arch Pathol Lab Med*, 1993 Sep; 117(9):911-3.  
 Fetsch JF, Laskin WB, Lefkowitz M, et al: Aggressive Angiomyxoma: A Clinicopathologic Study Of 29 Female Patients. *Cancer*, 1996 Jul 1; 78(1):79-90.

#### **Case No. 8, Accession No. 29701**

**November, 2003**

Escondido - Intramuscular angiolipoma  
Glendale (Glendale Pathology Association) - Myxoid liposarcoma  
Granada Hills - Myxoid liposarcoma  
Loma Linda (LLUMC Residents) - Myxoid liposarcoma (myxoid/round cell variant)  
Orange (UCI Medical Center Residents) - Myxoid liposarcoma  
San Francisco (San Francisco General Hospital) - Chondroid lipoma  
Arizona, Phoenix - Angiolipoma  
Colorado, Denver - Liposarcoma  
Florida (Munroe Regional Medical Center) - Pleomorphic lipoma  
Florida (Winter Haven Hospital) - Myxoid liposarcoma  
Georgia, Decatur - Myxoid/round cell liposarcoma  
Illinois (Heartland Regional Medical Center) - Myxoid liposarcoma  
Kansas (Coffeyville Regional Medical Center) - Atypical lipomatous tumor, thigh  
Kansas (Kansas University Medical Center) - Myxoid liposarcoma  
Kentucky (University of Louisville Hospital) - Hemangiopericytoma versus lymphangioma  
Louisiana, Metairie - Myxoid liposarcoma  
Maryland (Johns Hopkins Medical Center) - Myxoid liposarcoma

Maryland (National Cancer Institute) - Angiolipoma  
Maryland (National Naval Medical Center) - Myxoid liposarcoma (15)  
Michigan (Henry Ford Hospital) - Myxoid/round cell liposarcoma, soft tissue  
Michigan (St. Joseph Mercy Hospital) - Round cell liposarcoma (2); Lipoma (2)  
Missouri, Joplin - Myxoid liposarcoma  
New Mexico (University of New Mexico) - Myxoid liposarcoma  
New York (Nassau University Medical Center) - Myxoid liposarcoma, well-differentiated  
New York (New York Presbyterian Hospital) - Myxoid liposarcoma  
New York (Stony Brook University Hospital) - Round cell liposarcoma  
Ohio (Medical College of Ohio) - Liposarcoma with myxoid and sclerosing areas  
Oklahoma (Reynolds Army Community Hospital) - Myxoid liposarcoma  
Pennsylvania (Allegheny General Hospital) - Myxoid liposarcoma  
Pennsylvania (Drexel University School of Medicine) - Myxoid liposarcoma  
Pennsylvania (UPMC/Shadyside) - Round cell/myxoid liposarcoma  
Rhode Island (Brown University Residents) - Myxoid liposarcoma  
Texas (Scott & White Hospital) - Myxoid/round cell liposarcoma  
Texas, Lubbock - Myxoid liposarcoma  
Texas, San Antonio - Myxoid liposarcoma  
Washington, D.C. - Myxoid liposarcoma  
Canada (CUI, Site Fleurimont) - Myxoid liposarcoma  
Canada (University of Calgary, Foothills Hospital) - Myxoid liposarcoma  
China (Sir Run Run Shaw Hospital) - Liposarcoma  
Italy, Naples - Myxoid/round cell liposarcoma  
Japan (Gunma University) - Myxoid liposarcoma  
Japan (Hamamatsu University School of Medicine) - Myxoid liposarcoma  
Japan, Chiba - Myxoid liposarcoma of thigh  
Puerto Rico (University of Puerto Rico) - Chondroid lipoma  
Qatar, Doha - Myxoid liposarcoma  
Spain (Povisa) - Myxoid liposarcoma

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

**Myxoid/Round cell liposarcoma, thigh**  
**T-Y9100, M-88533**

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

Watanabe H, Ohmori K, Kanamori M, et al: A Myxoid Liposarcoma in the Lower Leg, With A Large Intra-Abdominal Metastasis. *J Orthop Sci*, 2001; 6(1):95-7.  
 Sundaram M, Baran G, Merenda G, McDonald DJ: Myxoid Liposarcoma: Magnetic Resonance Imaging Appearances with Clinical and Histological Correlation. *Skeletal Radiol*, 1990; 19(5):359-62.  
 Oliveira AM, Nascimento AG: Grading in Soft Tissue Tumors: Principles and Problems. *Skeletal Radiol*, 2001 Fletcher CD, Akerman M, Dal Cin P, et al: Correlation Between Clinicopathological Features and Karyotype in Lipomatous Tumors: A Report of 178 Cases From the Chromosomes and Morphology (CHAMP) Collaborative Study Group. *Am J Pathol*, 1996 Feb; 148(2):623-30.  
 Nemanqani D, Mourad WA: Cytomorphologic Features of Fine-Needle Aspiration of Liposarcoma. *Diagn Cytopathol*, 1999 Feb; 20(2):67-9.

**Case No. 9, Accession No. 28190**

**November, 2003**

Escondido - Metastatic clear cell carcinoma  
Glendale (Glendale Pathology Association) - Clear cell carcinoma  
Granada Hills - Synovial sarcoma  
Loma Linda (LLUMC Residents) - Clear cell adenocarcinoma  
Orange (UCI Medical Center Residents) - Clear cell carcinoma  
San Francisco (San Francisco General Hospital) - Clear cell carcinoma  
Arizona, Phoenix - Renal cell carcinoma, metastatic  
Colorado, Denver - Clear cell sarcoma  
Florida (Munroe Regional Medical Center) - Clear cell carcinoma  
Florida (Winter Haven Hospital) - Metastatic clear cell adenocarcinoma  
Georgia, Decatur - Clear cell adenocarcinoma  
Illinois (Heartland Regional Medical Center) - Metastatic clear cell adenocarcinoma

Kansas (Coffeyville Regional Medical Center) - Metastatic adenocarcinoma ? renal cell ? - groin  
Kansas (Kansas University Medical Center) - Mesothelioma  
Kentucky (University of Louisville Hospital) - Clear cell carcinoma, metastatic  
Louisiana, Metairie - Metastatic adenocarcinoma  
Maryland (Johns Hopkins Medical Center) - Clear cell carcinoma  
Maryland (National Cancer Institute) - Clear cell carcinoma, favor metastasis from GYN tract  
Maryland (National Naval Medical Center) - Poorly-differentiated malignant neoplasm (13); Clear cell sarcoma (2)  
Michigan (Henry Ford Hospital) - Clear cell carcinoma, groin  
Michigan (St. Joseph Mercy Hospital) - Clear cell carcinoma  
Missouri, Joplin - Metastatic clear cell adenocarcinoma (ovarian primary)  
New Mexico (University of New Mexico) - Clear cell carcinoma  
New York (Nassau University Medical Center) - Metastatic clear cell carcinoma  
New York (New York Presbyterian Hospital) - Metastatic clear cell carcinoma, probably Mullerian  
New York (Stony Brook University Hospital) - Clear cell carcinoma  
Ohio (Medical College of Ohio) - Clear cell carcinoma  
Oklahoma (Reynolds Army Community Hospital) - Clear cell adenocarcinoma (favor metastatic)  
Pennsylvania (Allegheny General Hospital) - Clear cell carcinoma  
Pennsylvania (Drexel University School of Medicine) - Metastatic clear cell carcinoma  
Pennsylvania (UPMC/Shadyside) - Metastatic clear cell carcinoma  
Rhode Island (Brown University Residents) - Clear cell carcinoma  
Texas (Scott & White Hospital) - Poorly-differentiated carcinoma with clear cell features  
Texas, Lubbock - Alveolar soft part sarcoma  
Texas, San Antonio - Metastatic clear cell carcinoma  
Washington, D.C. - Dysgerminoma, metastatic  
Canada (CUSL, Site Fleurimont) - Metastatic renal cell carcinoma  
Canada (University of Calgary, Foothills Hospital) - Clear cell carcinoma of ovary  
China (Sir Run Run Shaw Hospital) - Metastatic adenocarcinoma, clear cell type  
Italy, Naples - Metastatic clear cell carcinoma  
Japan (Gunma University) - Clear cell adenocarcinoma, metastatic  
Japan (Hamamatsu University School of Medicine) - Synovial sarcoma, predominantly epithelial-type  
Japan, Chiba - Metastatic clear cell carcinoma, most likely to be derived from ovary  
Puerto Rico (University of Puerto Rico) - Clear cell carcinoma, metastatic  
Qatar, Doha - Clear cell carcinoma  
Spain (Povisa) - Metastatic carcinoma versus epithelioid sarcoma

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

**Clear cell carcinoma, probably metastatic, groin**  
**T-Y7000, M-83106**

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

Parker AS, Cheville JC, Janney CA, Cerhan JR: High Expression Levels of Insulin-Like Growth Factor-I Receptor Predict Poor Survival Among Women With Clear-Cell Renal Cell Carcinomas. *Hum Pathol*, 2002 Aug; 33(8):801-5.  
 Leroy X, Zerimech F, Zini L, et al: MUC1 Expression is Correlated With Nuclear Grade and Tumor Progression in pT1 Renal Clear Cell Carcinoma. *Am J Clin Pathol*, 2002 Jul; 118(1):47-51.  
 Velickovic M, Delahunt B, McIver B, Grebe SK: Intragenic PTEN/MMAC1 Loss of Heterozygosity in Conventional (Clear-Cell) Renal Cell Carcinoma is Associated With Poor Patient Prognosis. *Mod Pathol*, 2002 May; 15(5):479-85.  
 Turner KJ, Moore JW, Jones A, et al: Expression of Hypoxia-Inducible Factors in Human Renal Cancer: Relationship To Angiogenesis and to the Von Hippel-Lindau Gene Mutation. *Cancer Res*, 2002 May 15; 62(10):2957-61.  
 Leroy X, Copin MC, Devisme L, et al: Expression of Human Mucin Genes in Normal Kidney and Renal Cell Carcinoma. *Histopathology*, 2002 May; 40(5):450-7.

**Case No. 10, Accession No. 29128**

**November, 2003**

Escondido - Angiomyolipoma  
Glendale (Glendale Pathology Association) - Malignant fibrous histiocytoma  
Granada Hills - Fibrosarcoma versus MFH (malignant fibrous histiocytoma)  
Loma Linda (LLUMC Residents) - Well-differentiated liposarcoma, sclerosing variant  
Orange (UCI Medical Center Residents) - Sarcoma, NOS  
San Francisco (San Francisco General Hospital) - Liposarcoma  
Arizona, Phoenix - Dedifferentiated liposarcoma

Colorado, Denver - Malignant fibrous histiocytoma  
Florida (Munroe Regional Medical Center) - Malignant fibrous histiocytoma  
Florida (Winter Haven Hospital) - Fibrosarcoma  
Georgia, Decatur - Pleomorphic sarcoma, suggestive of dedifferentiated liposarcoma  
Illinois (Heartland Regional Medical Center) - Well-differentiated sclerosing liposarcoma  
Kansas (Coffeyville Regional Medical Center) - Malignant fibrous histiocytoma, retroperitoneum  
Kansas (Kansas University Medical Center) - Pleomorphic sarcoma (MFH versus fibrosarcoma versus malignant peripheral nerve sheath tumor)  
Kentucky (University of Louisville Hospital) - Liposarcoma  
Louisiana, Metairie - Dedifferentiated liposarcoma  
Maryland (Johns Hopkins Medical Center) - Dedifferentiated liposarcoma  
Maryland (National Cancer Institute) - Malignant fibrous histiocytoma  
Maryland (National Naval Medical Center) - Malignant fibrous histiocytoma (6); Dedifferentiated liposarcoma (6); Pleomorphic liposarcoma (1)  
Michigan (Henry Ford Hospital) - Dedifferentiated liposarcoma, MPNST?, retroperitoneum  
Michigan (St. Joseph Mercy Hospital) - Dedifferentiated liposarcoma  
Missouri, Joplin - Pleomorphic MFH (malignant fibrous histiocytoma)  
New Mexico (University of New Mexico) - Liposarcoma, dedifferentiated  
New York (Nassau University Medical Center) - Pleomorphic liposarcoma  
New York (New York Presbyterian Hospital) - Pleomorphic liposarcoma  
New York (Stony Brook University Hospital) - Pleomorphic liposarcoma  
Ohio (Medical College of Ohio) - Liposarcoma with high-grade differentiation  
Oklahoma (Reynolds Army Community Hospital) - Dedifferentiated liposarcoma  
Pennsylvania (Allegheny General Hospital) - Dedifferentiated liposarcoma  
Pennsylvania (Drexel University School of Medicine) - Dedifferentiated liposarcoma  
Pennsylvania (UPMC/Shadyside) - Sarcoma, high grade, MFH (malignant fibrous histiocytoma)  
Rhode Island (Brown University Residents) - Pleomorphic liposarcoma  
Texas (Scott & White Hospital) - Dedifferentiated liposarcoma  
Texas, Lubbock - Leiomyosarcoma  
Texas, San Antonio - Consistent with dedifferentiated liposarcoma  
Washington, D.C. - Malignant fibrous histiocytoma  
Canada (CUSI, Site Fleurimont) - MFH (malignant fibrous histiocytoma)  
Canada (University of Calgary, Foothills Hospital) - Malignant fibrous histiocytoma  
China (Sir Run Run Shaw Hospital) - Well-differentiated liposarcoma  
Italy, Naples - Sclerosing well-differentiated liposarcoma  
Japan (Gunma University) - Dedifferentiated liposarcoma  
Japan (Hamamatsu University School of Medicine) - Liposarcoma, dedifferentiated  
Japan, Chiba - Dedifferentiated liposarcoma of retroperitoneum  
Puerto Rico (University of Puerto Rico) - Well-differentiated liposarcoma  
Qatar, Doha - Sclerosing liposarcoma  
Spain (Povisa) - Pleomorphic MFH (malignant fibrous histiocytoma)

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

**Dedifferentiated liposarcoma, retroperitoneum**  
**T-Y4600, M-88503**

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

Henricks WH, Chu YC, Goldblum JR, Weiss SW: Dedifferentiated Liposarcoma: A Clinicopathologic Analysis Of 155 Cases With A Proposal For An Expanded Definition Of Dedifferentiation. *Am J Surg Pathol*, 1997 Mar; 21(3):271-81.  
 Yoshikawa H, Ueda T, Mori S, et al: Dedifferentiated Liposarcoma Of The Subcutis. *Am J Surg Pathol*, 1996 Dec; 20(12):1525-30.  
 McCormick D, Mentzel T, Beham A, Fletcher CD: Dedifferentiated Liposarcoma: Clinicopathologic Analysis Of 32 Cases Suggesting A Better Prognostic Subgroup Among Pleomorphic Sarcomas. *Am J Surg Pathol*, 1994 Dec; 18(12):1213-23.  
 Tallini G, Erlandson RA, Brennan MF, Woodruff JM: Divergent Myosarcomatous Differentiation In Retroperitoneal Liposarcoma. *Am J Surg Pathol*, 1993 Jun; 17(6):546-56.  
 Hasegawa T, Seki K, Hasegawa F, et al: Dedifferentiated Liposarcoma Of Retroperitoneum And Mesentery: Varied Growth Patterns And Histologic Grades--A Clinicopathologic Study Of 32 Cases. *Hum Pathol*, 2000 Jun; 31(6):717-27.