

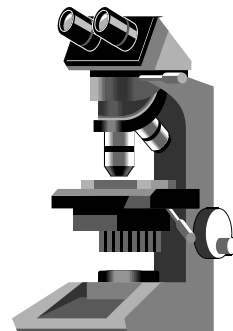


CALIFORNIA
TUMOR TISSUE REGISTRY

GENERAL PATHOLOGY

Minutes – Subscription A

September 2004



SUGGESTED READING (General Topics from Recent Literature):

Colorectal Adenoma to Carcinoma Progression Follows Multiple Pathways of Chromosomal Instability. Hermesen, M, Postma C, Baak J, et al. *Gastroenterology* 2002; 123:1109-1119.

Dangerous Abbreviations. *Hum Pathol* 2004; 35(5):529-531. Booker DL and Berman JJ.

Cancer Information on the World Wide Web. Gross Characteristics. Trumbo Craig W. *J of the National Cancer Instit* 2004; 96(4):332-333.

Cancer Stem Cells. Are We Missing the Target? Jones, JJ, Matsui WH, Smith, D. *J of the National Cancer Instit* 2004; 96(8):583-585.

Prostate Cancers in Men with Low PSA Level--Must We Find Them? Carter HB. *N Eng J Med* 2004; 2292-2294.

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
Web site & Case of the Month: www.cttr.org

FILE DIAGNOSES

(If possible, submit answers on website at www.cttr.org. Click “subscriptions”, then “submit answers”.)

CTTR Subscription A

September 2004

Case 1:

Hodgkin’s lymphoma, nodular sclerosis type
T-Y0600, M-96503

Case 2:

Acinic cell carcinoma, parotid gland
T-55110, M-85501

Case 3:

Pheochromocytoma, retroperitoneum
T-71000, M-87000

Case 4:

Adrenal cortical carcinoma, adrenal gland
T-93000, M-83703

Case 5:

Plasmacytoma/myeloma, testicle
T-78000, M-97303

Case 6:

Low grade, extra-uterine endometrial stromal sarcoma, omentum
T-63850, M-89303

Case 7:

Choriocarcinoma, breast
T-04000, M-91003

Case 8:

Oncocytoma, kidney
T-71000, M-82900

Case 9:

Well-differentiated inflammatory liposarcoma, para-testicular
T-78000, M-88513

Case 10:

Omental mucinous (pseudomyxoma peritoni) probably appendiceal in origin
T-63850, M-84806

Alameda (Alameda County Medical Center) - Hodgkin's disease, nodular sclerosing
Fontana (Kaiser Permanente) - Hodgkin's lymphoma, nodular sclerosis type
Glendale - Hodgkin's disease
Howard/Fremont - Nodular sclerosing Hodgkin's, rule out metastatic nasopharyngeal carcinoma
Irvine (University of California) - Classical Hodgkin's lymphoma mixed cellularity type
Laguna (Laguna Pathology Medical Group) - Nodular sclerosing Hodgkin's disease
Long Beach - Nodular sclerosing Hodgkin's disease (8)
Monterey (Community Hospital of Monterey Peninsula) - Hodgkin's disease, classical
Monterey Park (Garfield Hospital) - Hodgkin's lymphoma, mixed cellularity type
Mountain View (El Camino Pathology Group) - Nodular sclerosing Hodgkin's disease
Orange (UCI Medical Center) - Hodgkin's disease, nodular sclerosis
Orange (Orange County Pathology Medical Group) - Nodular sclerosis Hodgkin's disease
Sacramento (UC Davis Residents) - Hodgkin's lymphoma, mixed cellularity type
Santa Rosa (Santa Rosa Memorial Hospital) - Hodgkin's disease
Tustin Ranch - Hodgkin's lymphoma, mixed cellularity type
Ventura - Hodgkin's disease, mixed cellularity
Arkansas (University of Arkansas Medical Center) - Nodular sclerosis Hodgkin's lymphoma
Arizona (Phoenix) - Classical Hodgkin's lymphoma
Colorado (Evergreen) - Nodular sclerosing Hodgkin's disease
Colorado (Lutheran Medical Center) - Hodgkin's lymphoma
Florida (Tallahassee) - Classic Hodgkin's lymphoma
Florida (Winter Haven Hospital) - Hodgkin's disease, nodular sclerosis
Illinois (Burr Ridge) - Reactive lymphoid hyperplasia
Illinois (Juliet) - Lymphocytic rich classical Hodgkin's disease
Illinois (Northwestern Memorial Hospital) - Hodgkin's disease
Indiana (Howard Community Hospital) - Nodular lymphocytic predominant Hodgkin's disease
Louisiana (Louisiana State University Medical Center) - Hodgkin's lymphoma, nodular sclerosing (cellular)
Louisiana (Methodist Hospital Group) - Nodular sclerosing Hodgkin's disease
Maryland (National Naval Medical Center) - Hodgkin's lymphoma, classical
Maryland (University of Maryland) - Classical Hodgkin's lymphoma
Maryland (Voodoo Medicine) - Hodgkin's lymphoma, nodular sclerosing
Massachusetts (Berkshire Medical Center) - Hodgkin's disease, lymphocyte predominant
Massachusetts (New England Medical Center) - Hodgkin's lymphoma, nodular sclerosis type
Michigan (Pathology Services) - Hodgkin's disease, lymphocyte predominant
Michigan (St. Joseph Mercy Hospital) - Hodgkin's lymphoma
Minnesota (Fairview Southdale Hospital) - Hodgkin's, nodular sclerosing
Missouri (Truman Medical Center) - Nodular sclerosing Hodgkin's disease
Nebraska (Creighton University School of Medicine) - Hodgkin's lymphoma, nodular sclerosing type
New York (Long Island Jewish Medical Center) - Hodgkin's disease, early nodular sclerosing type
New York (Stony Brook University Hospital Residents) - Hodgkin's lymphoma, mixed cellularity type
New York (Westchester Medical Center) - Nodular sclerosis Hodgkin's lymphoma
North Carolina (Fayetteville) - Hodgkin's lymphoma
Ohio (Dayton) - Hodgkin's lymphoma, nodular sclerosing (5)
Ohio (Medical College of Ohio) - Hodgkin's lymphoma, lymphocyte rich
Ohio (McCullough Hyde Memorial Hospital) - Hodgkin's disease, lymphocytic predominant
Pennsylvania (Drexel University College of Medicine) - Nodular sclerosing Hodgkin's lymphoma
Pennsylvania (Lehigh Valley Hospital) - Hodgkin's lymphoma, nodular sclerosing type
Pennsylvania (Mt. Nittany Medical Center) - Nodular sclerosing classical Hodgkin's lymphoma, right neck
Pennsylvania (Pennsylvania Hospital) - Hodgkin's, nodular sclerosis
Puerto Rico (University of Puerto Rico) - Classic Hodgkin's lymphoma, nodular sclerosis type
Rhode Island (RI Hospital) - Classic Hodgkin's, nodular sclerosis
Texas (Lackland AFB) - Hodgkin's lymphoma
Texas (Lubbock) - Hodgkin's lymphoma, nodular sclerosis
Texas (ProPath Associates) - Hodgkin's lymphoma, nodular sclerosis type
Texas (Scott & White Memorial Hospital) - Hodgkin's lymphoma
Wisconsin (Bellin Health) - Nodular lymphocyte predominant Hodgkin's lymphoma
Wisconsin (Meriter Hospital) - Classical Hodgkin's disease, nodular sclerosis type
Wyoming (Greenbrier Valley Medical Center) - Hodgkin's disease, nodular sclerosis
Australia (North Queensland Pathology Group) - Hodgkin's disease lymphocyte predominant
Australia (Royal Prince Alfred Hospital) - Nodular sclerosing Hodgkin's lymphoma
Brazil (Gustavo Rubino De Azevedo Focchi) - Hodgkin's disease, nodular sclerosing type, cellular phase (2)

Canada (Foothills Medical Center) - Hodgkin's lymphoma, nodular sclerosing
Canada (Woodstock General Hospital) - Hodgkin's lymphoma
Hong Kong (Hong Kong Baptist Hospital) - Nodular sclerosis Hodgkin's lymphoma
Italy (Naples) - Hodgkin's lymphoma
Netherlands, Amsterdam - Hodgkin's lymphoma, nodular sclerosis
Saudi Arabia - Hodgkin's lymphoma nodular sclerosis
Saudi Arabia (King Khalid University) - Hodgkin's lymphoma, nodular sclerosis type

Case 1 - Diagnosis:

Hodgkin's lymphoma, nodular sclerosis type
 T-60600, M-96503

Case 1 – References:

Sukpanichant S. Analysis of 1983 Cases of Malignant Lymphoma in Thailand According to the World Health Organization Classification. *Hum Pathol* 2004; 35(2):224-230.
 Barrera R, Shintaku IP, Nakamura H and Said JW. The Immunohistochemistry of Hodgkin's Disease. *Semin Diagn Pathol* 1992; 9(4):265-271.
 Hsu SM and Hsu PL. The Nature of Reed-Sternberg Cells. Phenotype, Genotype and the Properties. *Crit Rev Oncol* 1994; 5:213-245.
 Weiss LM and Chang KL. Molecular Biologic Studies of Hodgkin's Disease. *Semin Diagn Pathol* 1992; 9(4):272-278.
 Weinreb M, Day PJ, Niggli F, et al. The Role of Epstein-Barr Virus in Hodgkin's Disease from Different Geographical Areas. *Arch DiChild* 1996; 74(1):27-31.
 Chang KL, Chen YY, et al. High Prevalence of Epstein-Barr Virus in Reed-Sternberg Cells of Hodgkin's Disease Occurring in Peru. *Blood* 1993; 81(2):496-501.

Case No. 2, Accession No. 29582

September 2004

Alameda (Alameda County Medical Center) - Acinic cell adenocarcinoma
Fontana (Kaiser Permanente) - Acinic cell carcinoma
Glendale - Acinic cell adenocarcinoma
Howard/Fremont - Acinic cell carcinoma
Irvine (University of California) - Acinic cell tumor
Laguna (Laguna Pathology Medical Group) - Acinic cell tumor
Long Beach - Acinic cell carcinoma (8)
Monterey (Community Hospital of Monterey Peninsula) - Mucoepidermoid carcinoma
Monterey Park (Garfield Hospital) - Acinic cell tumor, low intermediate grade
Mountain View (El Camino Pathology Group) - Acinic cell carcinoma
Orange (UCI Medical Center) - Acinic cell carcinoma, papillary cystic
Orange (Orange County Pathology Medical Group) - Acinic cell carcinoma
Sacramento (UC Davis Residents) - Acinic cell carcinoma
Santa Rosa (Santa Rosa Memorial Hospital) - Acinic cell carcinoma
Tustin Ranch - Ductal adenoma
Ventura - Pleomorphic adenoma
Arkansas (University of Arkansas Medical Center) - Acinic cell carcinoma, parotid
Arizona (Phoenix) - Acinic cell carcinoma, papilocystic variant
Colorado (Evergreen) - Acinic cell carcinoma
Colorado (Lutheran Medical Center) - Acinic cell carcinoma
Florida (Tallahassee) - Acinic cell carcinoma
Florida (Winter Haven Hospital) - Acinic cell carcinoma
Illinois (Burr Ridge) - Oncocytoma
Illinois (Juliet) - Acinic cell adenocarcinoma
Illinois (Northwestern Memorial Hospital) - Acinic cell carcinoma
Indiana (Howard Community Hospital) - Acinic cell carcinoma
Louisiana (Louisiana State University Medical Center) - Acinic cell carcinoma
Louisiana (Methodist Hospital Group) - Acinic cell carcinoma
Maryland (National Naval Medical Center) - Acinic cell carcinoma
Maryland (University of Maryland) - Acinar cell carcinoma
Maryland (Voodoo Medicine) - Acinic cell carcinoma

Massachusetts (Berkshire Medical Center) - Papilocystic acinic cell carcinoma
Massachusetts (New England Medical Center) - Acinar cell carcinoma
Michigan (Pathology Services) - Pleomorphic adenoma
Michigan (St. Joseph Mercy Hospital) - Acinic cell carcinoma
Minnesota (Fairview Southdale Hospital) - Acinic cell carcinoma
Missouri (Truman Medical Center) - Acinic cell carcinoma
Nebraska (Creighton University School of Medicine) - Papillary adenocarcinoma
New York (Long Island Jewish Medical Center) - Acinic cell carcinoma
New York (Stony Brook University Hospital Residents) - Acinic cell carcinoma
New York (Westchester Medical Center) - Acinic cell carcinoma
North Carolina (Fayetteville) - Acinic cell carcinoma
Ohio (Dayton) - Acinic cell carcinoma (5)
Ohio (Medical College of Ohio) - Low grade mucoepidermoid carcinoma
Ohio (McCullough Hyde Memorial Hospital) - Acinic cell adenocarcinoma
Pennsylvania (Drexel University College of Medicine) - Acinic cell carcinoma, microcystic pattern
Pennsylvania (Lehigh Valley Hospital) - Acinic cell carcinoma metastatic to lymph nodes
Pennsylvania (Mt. Nittany Medical Center) - Acinic cell adenocarcinoma, right parotid gland
Pennsylvania (Pennsylvania Hospital) - Acinic cell adenocarcinoma
Puerto Rico (University of Puerto Rico) - Acinic cell tumor
Rhode Island (RI Hospital) - Acinic cell carcinoma
Texas (Lackland AFB) - Acinar cell carcinoma
Texas (Lubbock) - Intraductal papilloma
Texas (ProPath Associates) - Acinic cell carcinoma of salivary gland (1); Acinic cell adenocarcinoma of salivary gland (1)
Texas (Scott & White Memorial Hospital) - Cystadenocarcinoma
Wisconsin (Bellin Health) - Mucoepidermoid carcinoma
Wisconsin (Meriter Hospital) - Acinic cell carcinoma
Wyoming (Greenbrier Valley Medical Center) - Adenocarcinoma, NOS
Australia (North Queensland Pathology Group) - Acinic cell carcinoma
Australia (Royal Prince Alfred Hospital) - Acinic cell carcinoma
Brazil (Gustavo Rubino De Azevedo Focchi) - Acinic cell carcinoma (2)
Canada (Foothills Medical Center) - Acinic cell carcinoma
Canada (Woodstock General Hospital) - Acinic cell carcinoma
Hong Kong (Hong Kong Baptist Hospital) - Acinic cell tumor
Italy (Naples) - Mucoepidermoid carcinoma
Netherlands, Amsterdam - Acinic cell carcinoma
Saudi Arabia - Acinic cell carcinoma
Saudi Arabia (King Khalid University) - Acinic cell tumor

Case 2 - Diagnosis:

Acinic cell carcinoma, parotid gland
 T-55110, M-85501

Case 2 - References:

Wahlberg P, Anderson H, Biorklund A, et al. Carcinoma of the Parotid and Submandibular Gland--A Study of Survival in 2465 Patients. *Oral Oncol* 2002; 38(7):706-713.
 Harbo G, Bundgaard T, Pedersen D, Sogaard H, et al. Prognostic Indicators for Malignant Tumours of the Parotid Gland. *Clin Otolaryngol* 2002; 27(6):512-516.
 Takahashi T, Moriki T, Ueta S, et al. Colloidlike Material in a Fine Needle Aspirate from Acinic Cell Carcinoma of the Parotid Gland. *Acta Cytol* 2002; 46(6):1165-1166.
 Nagao T, Sugano I, Ishida Y, et al. Hybrid Carcinomas of the Salivary Glands. Report of Nine Cases with a Clinicopathologic, Immunohistochemical, and p53 Gene Alteration Analysis. *Mod Pathol* 2002; 15(7):724-733.
 Riberiro Kde C, Kowalski LP, Saba LM, et al. Epithelial Salivary Glands Neoplasms in Children and Adolescents. A Forty-Four Year Experience. *Med Pediatr Oncol* 2002; 39(6):594-600.

Case No. 3, Accession No. 29665

September 2004

Alameda (Alameda County Medical Center) - Pheochromocytoma
Fontana (Kaiser Permanente) - Pheochromocytoma
Glendale - Pheochromocytoma

Howard/Fremont - Paranglioma
Irvine (University of California) - Pheochromocytoma
Laguna (Laguna Pathology Medical Group) - Paranglioma/pheochromocytoma
Long Beach - Paranglioma (extra-adrenal pheochromocytoma) (8)
Monterey (Community Hospital of Monterey Peninsula) - Pheochromocytoma
Monterey Park (Garfield Hospital) - Malignant paranglioma
Mountain View (El Camino Pathology Group) - Paranglioma
Orange (UCI Medical Center) - Pheochromocytoma
Orange (Orange County Pathology Medical Group) - Paranglioma
Sacramento (UC Davis Residents) - Pheochromocytoma
Santa Rosa (Santa Rosa Memorial Hospital) - Paranglioma (2); Pheochromocytoma (1)
Tustin Ranch - Paranglioma
Ventura - Pheochromocytoma
Arkansas (University of Arkansas Medical Center) - Extra-adrenal paranglioma, retroperitoneum
Arizona (Phoenix) - Pheochromocytoma, malignant
Colorado (Evergreen) - Extra-adrenal pheochromocytoma
Colorado (Lutheran Medical Center) - Pheochromocytoma
Florida (Tallahassee) - Pheochromocytoma
Florida (Winter Haven Hospital) - Malignant paranglioma
Illinois (Burr Ridge) - Pheochromocytoma
Illinois (Juliet) - Paranglioma
Illinois (Northwestern Memorial Hospital) - Extra-adrenal pheochromocytoma
Indiana (Howard Community Hospital) - Paranglioma/pheochromocytoma
Louisiana (Louisiana State University Medical Center) - Pheochromocytoma
Louisiana (Methodist Hospital Group) - Malignant pheochromocytoma
Maryland (National Naval Medical Center) - Extra-adrenal paranglioma
Maryland (University of Maryland) - Paranglioma
Maryland (Voodoo Medicine) - Pheochromocytoma
Massachusetts (Berkshire Medical Center) - Pheochromocytoma
Massachusetts (New England Medical Center) - Paranglioma
Michigan (Pathology Services) - Paranglioma
Michigan (St. Joseph Mercy Hospital) - Paranglioma
Minnesota (Fairview Southdale Hospital) - Pheochromocytoma/paranglioma
Missouri (Truman Medical Center) - Paranglioma
Nebraska (Creighton University School of Medicine) - Pheochromocytoma
New York (Long Island Jewish Medical Center) - Pheochromocytoma
New York (Stony Brook University Hospital Residents) - Pheochromocytoma
New York (Westchester Medical Center) - Pheochromocytoma
North Carolina (Fayetteville) - Pheochromocytoma
Ohio (Dayton) - Pheochromocytoma (5)
Ohio (Medical College of Ohio) - Pheochromocytoma
Ohio (McCullough Hyde Memorial Hospital) - Pheochromocytoma
Pennsylvania (Lehigh Valley Hospital) - Pheochromocytoma
Pennsylvania (Mt. Nittany Medical Center) - Extra-adrenal pheochromocytoma (paranglioma), retroperitoneum
Pennsylvania (Pennsylvania Hospital) - Extra-adrenal paranglioma
Pennsylvania (Drexel University College of Medicine) - Pheochromocytoma
Puerto Rico (University of Puerto Rico) - Pheochromocytoma
Rhode Island (RI Hospital) - Paranglioma/pheochromocytoma
Texas (Lackland AFB) - Pheochromocytoma/malignant paranglioma
Texas (Lubbock) - Paranglioma
Texas (ProPath Associates) - Paranglioma (2)
Texas (Scott & White Memorial Hospital) - Paranglioma
Wisconsin (Bellin Health) - Pheochromocytoma
Wisconsin (Meriter Hospital) - Paranglioma
Wyoming (Greenbrier Valley Medical Center) - Pheochromocytoma
Australia (North Queensland Pathology Group) - Pheochromocytoma
Australia (Royal Prince Alfred Hospital) - Malignant paranglioma
Brazil (Gustavo Rubino De Azevedo Focchi) - Pheochromocytoma (2)
Canada (Foothills Medical Center) - Paranglioma
Canada (Woodstock General Hospital) - Malignant pheochromocytoma
Hong Kong (Hong Kong Baptist Hospital) - Pheochromocytoma
Italy (Naples) - Paranglioma
Netherlands, Amsterdam - Pheochromocytoma

Saudi Arabia - Pheochromocytoma
Saudi Arabia (King Khalid University) - Paraganglioma

Case 3 - Diagnosis:

Pheochromocytoma, retroperitoneum
T-71000, M-87000

Case 3 - References:

Webb TA, Sheps SG and Carney JA. Differences Between Sporadic Pheochromocytoma and Pheochromocytoma in Multiple Endocrine Neoplasia, Type 2. *Am J Surg Pathol* 1980; 4(2):121-126.
McCarthy EF, Bonfiglio M and Lawton W. A Solitary Functioning Osseous Metastasis from a Malignant Pheochromocytoma of the Organ of Zuckerkandl. *Cancer* 1977; 40(6):3092-3096.
Atuk NO, Teja K, Mondzelewski P, et al. Avascular Necrosis of Pheochromocytoma Followed by Spontaneous Remission. *Arch Intern Med* 1977; 137(8):1073-1075.
Eigelberger MS and Duh OY. Pheochromocytoma. *Curr Treat Options Oncol* 2001; 2(4):321-329.
Betha MC, Baltz HJ, Rodgers RE and Weichert RF 3rd. Pheochromocytoma and Renal Artery Stenosis. A Review of the Literature and Case Report. *South Med J* 1973; 66(4):497-500.
Dalby MC, Burke M, Radley-Smith R, et al. Pheochromocytoma Presenting After Cardiac Transplantation for Dilated Cardiomyopathy. *J Heart Lung Transplant* 2001; 20(7):773-775.

Case No. 4, Accession No. 29759

September 2004

Alameda (Alameda County Medical Center) - Adrenal cortical carcinoma
Fontana (Kaiser Permanente) - Adrenal cortical carcinoma
Glendale - Adrenal cortical carcinoma
Howard/Fremont - Adrenocortical carcinoma, rule out metastatic melanoma
Irvine (University of California) - Adrenal cortical neoplasm
Laguna (Laguna Pathology Medical Group) - Adrenal cortical carcinoma
Long Beach - Adrenal cortical carcinoma (8)
Monterey (Community Hospital of Monterey Peninsula) - Adrenal cortical carcinoma
Monterey Park (Garfield Hospital) - Adrenal cortical carcinoma
Mountain View (El Camino Pathology Group) - Adrenocortical carcinoma
Orange (UCI Medical Center) - Adrenal cortical carcinoma
Orange (Orange County Pathology Medical Group) - Adrenal cortical carcinoma
Sacramento (UC Davis Residents) - Adrenal cortical carcinoma
Santa Rosa (Santa Rosa Memorial Hospital) - Adrenal cortical tumor (2); Adrenocortical oncocytoma (1)
Tustin Ranch - Adrenocortical carcinoma
Ventura - Adrenocortical carcinoma
Arkansas (University of Arkansas Medical Center) - Adrenal cortical carcinoma
Arizona (Phoenix) - Adrenocortical carcinoma
Colorado (Evergreen) - Adrenocortical carcinoma
Colorado (Lutheran Medical Center) - Adrenal cortical carcinoma
Florida (Tallahassee) - Adrenal cortical carcinoma
Florida (Winter Haven Hospital) - Adrenal cortical carcinoma
Illinois (Burr Ridge) - Well-differentiated adrenal cortical carcinoma
Illinois (Juliet) - Adrenocortical carcinoma
Illinois (Northwestern Memorial Hospital) - Adrenal cortical carcinoma
Indiana (Howard Community Hospital) - Adrenocortical carcinoma
Louisiana (Louisiana State University Medical Center) - Adrenal cortical carcinoma
Louisiana (Methodist Hospital Group) - Pheochromocytoma
Maryland (National Naval Medical Center) - Adrenal cortical carcinoma
Maryland (University of Maryland) - Adrenal cortical carcinoma
Maryland (Voodoo Medicine) - Adrenal cortical carcinoma
Massachusetts (Berkshire Medical Center) - Adrenal cortical carcinoma
Massachusetts (New England Medical Center) - Adrenal cortical carcinoma
Michigan (Pathology Services) - Adrenocortical carcinoma
Michigan (St. Joseph Mercy Hospital) - Renal cell carcinoma
Minnesota (Fairview Southdale Hospital) - Adrenal cortical carcinoma

Missouri (Truman Medical Center) - Adrenocortical carcinoma
Nebraska (Creighton University School of Medicine) - Adrenal cortical carcinoma
New York (Long Island Jewish Medical Center) - Adrenal cortical carcinoma
New York (Stony Brook University Hospital Residents) - Adrenal cortical carcinoma
New York (Westchester Medical Center) - Adrenal cortical carcinoma
North Carolina (Fayetteville) - Adrenal cortical carcinoma
Ohio (Dayton) - Adrenal cortical carcinoma (5)
Ohio (Medical College of Ohio) - Adrenocortical neoplasm, favor carcinoma
Ohio (McCullough Hyde Memorial Hospital) - Adrenal cortical carcinoma
Pennsylvania (Drexel University College of Medicine) - Adrenal cortical carcinoma
Pennsylvania (Lehigh Valley Hospital) - Pheochromocytoma
Pennsylvania (Mt. Nittany Medical Center) - Adrenocortical carcinoma, right adrenal gland
Pennsylvania (Pennsylvania Hospital) - Pheochromocytoma
Puerto Rico (University of Puerto Rico) - Adrenal cortical carcinoma
Rhode Island (RI Hospital) - Adrenal cortical carcinoma
Texas (Lackland AFB) - Adrenal cortical carcinoma vs. pheochromocytoma
Texas (Lubbock) - Oncocytic carcinoma
Texas (ProPath Associates) - Adrenal oncocytoma (2)
Texas (Scott & White Memorial Hospital) - Adrenal cortical carcinoma
Wisconsin (Bellin Health) - Adrenal cortical adenoma
Wisconsin (Meriter Hospital) - Adrenal cortical carcinoma
Wyoming (Greenbrier Valley Medical Center) - Adrenal cortical carcinoma
Australia (North Queensland Pathology Group) - Adrenal cortical carcinoma
Australia (Royal Prince Alfred Hospital) - Adrenal cortical tumor
Brazil (Gustavo Rubino De Azevedo Focchi) - Adrenal cortex carcinoma (2)
Canada (Foothills Medical Center) - Adrenal cortical carcinoma
Canada (Woodstock General Hospital) - Adrenal cortical carcinoma
Hong Kong (Hong Kong Baptist Hospital) - Granular cell tumor
Italy (Naples) - Adrenal cortical carcinoma
Netherlands, Amsterdam - Oncocytic adrenal cortical adenoma
Saudi Arabia - Adrenal gland carcinoma
Saudi Arabia (King Khalid University) - Adrenocortical carcinoma

Case 4 - Diagnosis:

Adrenal cortical carcinoma, adrenal gland
 T-93000, M-83703

Case 4 - References:

Ng J and Libertino JM. Adrenocortical Carcinoma. Diagnosis, Evaluation and Treatment. *J Urol* 2003; 69(1):5-11.
 Izumi M, Serizawa H, Iwaya K, et al. A Case of Myxoid Adrenocortical Carcinoma with Extensive Lipomatous Metaplasia. *Arch Pathol Lab Med* 2003; 127(2):227-230.
 Kazantseva IA, Poliakova GA, Gurevich LG, et al. Adrenocortical Tumors with Neuroendocrine Differentiation. *Arkh Pathol* 2002; 64(5):8-13.
 Wood BJ, Abraham Hvizda JL, et al. Radiofrequency Ablation of Adrenal Tumors and Adrenocortical Carcinoma Metastases. *Cancer* 2003; 97(3):554-560.
 Porpiglia F, Destefanis P, Fiori C, et al. Does Adrenal Mass Size Really Affect Safely and Effectiveness of Laparoscopic Adrenalectomy? *Urol* 2002; 60(5):801-805.
 O'Kane HF, Duggan B, Lennon G and Russell C. Spontaneous Rupture of Adrenocortical Carcinoma. *J Urol* 2002; 168(6):2530.

Case No. 5, Accession No. 29624

September 2004

Alameda (Alameda County Medical Center) - Plasmacytoma
Fontana (Kaiser Permanente) - Metastatic myeloma
Glendale - Anaplastic myeloma
Howard/Fremont - Plasmacytoma
Irvine (University of California) - Plasma cell myeloma, testis
Laguna (Laguna Pathology Medical Group) - Plasmacytoma/multiple myeloma
Long Beach - Multiple myeloma (8)
Monterey (Community Hospital of Monterey Peninsula) - Plasmacytoma
Monterey Park (Garfield Hospital) - Myeloma

Mountain View (El Camino Pathology Group) - Anaplastic myeloma
Orange (UCI Medical Center) - Plasmacytoma
Orange (Orange County Pathology Medical Group) - Multiple myeloma
Sacramento (UC Davis Residents) - Plasmacytoma
Santa Rosa (Santa Rosa Memorial Hospital) - Plasmacytoma (multiple myeloma) (3)
Tustin Ranch - Recurrent myeloma
Ventura - Extramedullary myeloma
Arkansas (University of Arkansas Medical Center) - Plasmacytoma with amyloidoma, testis
Arizona (Phoenix) - Plasmacytoma, testicle
Colorado (Evergreen) - Plasmacytoma/possible amyloid
Colorado (Lutheran Medical Center) - Multiple myeloma
Florida (Tallahassee) - Plasmacytoma
Florida (Winter Haven Hospital) - Plasmacytoma
Illinois (Burr Ridge) - Plasmacytoma
Illinois (Juliet) - Extramedullary plasmacytoma
Illinois (Northwestern Memorial Hospital) - Anaplastic plasmacytoma
Indiana (Howard Community Hospital) - Plasmacytoma
Louisiana (Louisiana State University Medical Center) - Plasmacytoma
Louisiana (Methodist Hospital Group) - Extramedullary myeloma “extension”
Maryland (National Naval Medical Center) - Plasmacytoma
Maryland (University of Maryland) - Plasma cell myeloma
Maryland (Voodoo Medicine) - Recurrent multiple myeloma
Massachusetts (Berkshire Medical Center) - Plasmacytoma
Massachusetts (New England Medical Center) - Plasmacytoma
Michigan (Pathology Services) - Plasmacytoma
Michigan (St. Joseph Mercy Hospital) - Myeloma
Minnesota (Fairview Southdale Hospital) - Myeloma
Missouri (Truman Medical Center) - Plasma cell myeloma
Nebraska (Creighton University School of Medicine) - Multiple myeloma
New York (Long Island Jewish Medical Center) - Myeloma/plasmacytoma
New York (Stony Brook University Hospital Residents) - Plasmacytoma
New York (Westchester Medical Center) - Extraosseous multiple myeloma (relapse)
North Carolina (Fayetteville) - Plasmacytoma
Ohio (Dayton) - Plasmablastic multiple myeloma (1); Myeloma (1); Extramedullary plasmacytoma (2); Myeloma/plasmacytoma (1)
Ohio (Medical College of Ohio) - Plasmacytoma
Ohio (McCullough Hyde Memorial Hospital) - Plasmacytoma
Pennsylvania (Drexel University College of Medicine) - Plasmacytoma
Pennsylvania (Lehigh Valley Hospital) - Plasmacytoma
Pennsylvania (Mt. Nittany Medical Center) - Amyloid tumor (amyloidoma) and plasmacytoma, right testicle
Pennsylvania (Pennsylvania Hospital) - Plasmacytoma of testis
Puerto Rico (University of Puerto Rico) - Plasmacytoma
Rhode Island (RI Hospital) - Plasmacytoma
Texas (Lackland AFB) - “Anaplastic” plasmacytoma
Texas (Lubbock) - Plasmacytoma
Texas (ProPath Associates) - Myeloma with secondary testicular pheomacytoma (1); Myeloma with secondary (testicular plasmacytoma)
Texas (Scott & White Memorial Hospital) - Plasmacytoma
Wisconsin (Bellin Health) - Plasmacytoma
Wisconsin (Meriter Hospital) - Plasmacytoma
Wyoming (Greenbrier Valley Medical Center) - Plasmacytoma
Australia (North Queensland Pathology Group) - Myeloma
Australia (Royal Prince Alfred Hospital) - Pleomorphic plasmacytoma/myeloma
Brazil (Gustavo Rubino De Azevedo Focchi) - Myeloma/plasmacytoma (2)
Canada (Foothills Medical Center) - Extramedullary deposit of multiple myeloma
Canada (Woodstock General Hospital) - Plasmacytoma
Hong Kong (Hong Kong Baptist Hospital) - Anaplastic myeloma
Italy (Naples) - Multiple myeloma
Netherlands, Amsterdam - Multiple myeloma
Saudi Arabia - Multiple myeloma
Saudi Arabia (King Khalid University) - Myeloma

Case 5 - Diagnosis:

Plasmacytoma/myeloma, testicle
T-78000, M-97303

Consultation: Jonathan Said, M.D. UCLA Medical Center: "Consistent with myeloma/plasmacytoma."

Case 5 - References:

- Hailemariam S, Engeler DS, Eoller TL. (Unusual Crystalline Inclusions in Plasmacytoma Cells of the Testis in Primary Medullary Plasmacytoma). *Pathologie* 1996; 17(6):455-458.
- Lim SU, Wang Z, Chiriva-Internati M, et al. Sperm Protein 17 is a Novel Cancer-Testis Antigen in Multiple Myeloma. *Blood* 2001; 97(5):1508-1510.
- Gale JT, Bowie JD and Mahony BS. Myeloma of the Testicle. Sonographic Appearance. *J Clin Ultrasound* 1987; 15(4):280-281.
- Lim Sh, Austin S, Owen-Jones F, et al. Expression of Testicular Genes in Haematological Malignancies. *Br J Cancer* 1999; 81(7):1161-1164.
- Chesi M, Nardini E, Lim RS, Smith KD, et al. The t(4;14) Translocation in Myeloma Dysregulates Both FGFR3 and a Novel Gene, MMSET, Resulting in IgH/MMSET Hybrid Transcripts. *Blood* 1998; 92(9):3025-3034.
- Ferry JA, Young RU and Scully RE. Testicular and Epididymal Plasmacytoma. A Report of 7 Cases, Including Three that were the Initial Manifestation of Plasma Cell Myeloma. *Am J Surg Pathol* 1997; 21(5):590-598.

Case No. 6, Accession No. 29718

September 2004

Alameda (Alameda County Medical Center) - Endometrial stromal sarcoma
Fontana (Kaiser Permanente) - Endometrial stromal sarcoma arising in endometriosis
Glendale - Endometrial stromal sarcoma
Howard/Fremont - Endometrial stroma sarcoma
Irvine (University of California) - Endometrial stromal sarcoma, low grade
Laguna (Laguna Pathology Medical Group) - Endometrial stromal sarcoma
Long Beach - Endometrial stromal sarcoma arising in endometriosis (8)
Monterey (Community Hospital of Monterey Peninsula) - Endometrial stromal sarcoma, low grade
Monterey Park (Garfield Hospital) - Endometrial stromal neoplasm arising in endometriosis, borderline malignant
Mountain View (El Camino Pathology Group) - Low grade endometrial stromal sarcoma
Orange (UCI Medical Center) - Adenosarcoma
Orange (Orange County Pathology Medical Group) - Endometrial stromal sarcoma
Sacramento (UC Davis Residents) - Endometrial stromal sarcoma arising in endometriosis
Santa Rosa (Santa Rosa Memorial Hospital) - Low-grade endometrial stromal sarcoma (1); Low-grade stromal sarcoma associated with endometriosis (2)
Tustin Ranch - Endometrioid cystadenofibroma
Ventura - Endometrial stroma sarcoma
Arkansas (University of Arkansas Medical Center) - Low-grade endometrial stromal sarcoma arising in endometriosis, omentum
Arizona (Phoenix) - Endometrial stromal sarcoma arising within endometriotic implants
Colorado (Evergreen) - Stromal sarcoma/endometriosis
Colorado (Lutheran Medical Center) - Metastatic low grade stromal sarcoma (vs. adenosarcoma)
Florida (Tallahassee) - Endometrial stromal sarcoma
Florida (Winter Haven Hospital) - Endometriosis
Illinois (Burr Ridge) - Granulosa cell tumor
Illinois (Juliet) - Adenosarcoma
Illinois (Northwestern Memorial Hospital) - Endometrial stromal sarcoma, low grade
Indiana (Howard Community Hospital) - Endometrial stromal sarcoma (ovary)
Louisiana (Louisiana State University Medical Center) - Stromal sarcoma, low grade
Louisiana (Methodist Hospital Group) - Low grade endometrial sarcoma with epithelioid component
Maryland (National Naval Medical Center) - Endometrial stromal sarcoma, high-grade
Maryland (University of Maryland) - Endometriosis
Maryland (Voodoo Medicine) - Endometrial stromal sarcoma, low grade
Massachusetts (Berkshire Medical Center) - Endometriosis (2); vs. low grade stromal sarcoma (3)
Massachusetts (New England Medical Center) - Low grade endometrial sarcoma
Michigan (Pathology Services) - Endometriosis
Michigan (St. Joseph Mercy Hospital) - Endometrial stromal sarcoma
Minnesota (Fairview Southdale Hospital) - Stromal sarcoma (high grade) arising in endometriosis
Missouri (Truman Medical Center) - Endometrial stromal tumor
Nebraska (Creighton University School of Medicine) - Endometrial stroma sarcoma, high-grade

New York (Long Island Jewish Medical Center) - Adenosarcoma
New York (Stony Brook University Hospital Residents) - Endometrial stromal sarcoma
New York (Westchester Medical Center) - Endometrial stromal sarcoma arising in endometriosis
North Carolina (Fayetteville) - Endometrial stromal sarcoma
Ohio (Dayton) - Endometrial stromal sarcoma (4); Endometrial stroma sarcoma, low grade (1);
Ohio (Medical College of Ohio) - Low grade endometrial stromal sarcoma arising in endometriosis
Ohio (McCullough Hyde Memorial Hospital) - Endometrioma
Pennsylvania (Drexel University College of Medicine) - Endometrial stroma sarcoma
Pennsylvania (Lehigh Valley Hospital) - Adenosarcoma
Pennsylvania (Mt. Nittany Medical Center) - Endometrial stromal tumor, omentum
Pennsylvania (Pennsylvania Hospital) - Thecoma
Puerto Rico (University of Puerto Rico) - Adenosarcoma
Rhode Island (RI Hospital) - Stromal sarcoma arising within endometriosis vs. adenocarcinoma vs. sex cord stromal tumor
Texas (Lackland AFB) - Endometrial stromal sarcoma arising in endometriosis vs. adenosarcoma
Texas (Lubbock) - Stromal sarcoma, low grade
Texas (ProPath Associates) - Low grade endometrial stromal sarcoma (2)
Texas (Scott & White Memorial Hospital) - Stromal sarcoma arising in endometriosis (do a CD/O immunostain)
Wisconsin (Bellin Health) - Low grade endometrial stromal sarcoma
Wisconsin (Meriter Hospital) - Low grade endometrial stromal sarcoma
Wyoming (Greenbrier Valley Medical Center) - Endometrial stroma sarcoma
Australia (North Queensland Pathology Group) - Extra uterine endometrial stromal sarcoma
Australia (Royal Prince Alfred Hospital) - Endometrial stromal sarcoma
Brazil (Gustavo Rubino De Azevedo Focchi) - Low grade endometrial stromal sarcoma arising in an endometriotic foci (2)
Canada (Foothills Medical Center) - Extrauterine low-grade endometrial stromal sarcoma
Canada (Woodstock General Hospital) - Endometrial stromal sarcoma
Hong Kong (Hong Kong Baptist Hospital) - Endometriosis
Italy (Naples) - Endometrial stromal sarcoma
Netherlands, Amsterdam - Low grade stromal sarcoma in an endometriosis
Saudi Arabia - Low grade endometrial sarcoma
Saudi Arabia (King Khalid University) - Low grade stroma sarcoma on a background adenomyosis

Case 6 - Diagnosis:

Low grade, extra-uterine endometrial stromal sarcoma, omentum
 T-63850, M89303

Consultation: MR Hendrickson, M.D., Stanford University. "Stromal sarcoma."

Case 6 - References:

Gerber MA and Toker C. Primary Extrauterine Endometrial Stromal Sarcoma. *Arch Pathol* 1970; 89(5):477-480.
 Nguyen GK and Berendt RC. Aspiration Biopsy Cytology of Metastatic Endometrial Stromal Sarcoma and Extragenital Mixed Mesodermal Tumor. *Diagn Cytopathol* 1986 2(3):256-260.
 Gorospe L, Simon MJ, Lima F, et al. Primary Mesenteric Tumor with Pheotypical Features of Gastrointestinal Stromal Tumors. *Eur Radiol* 2002; 12 Suppl 3:S82-S5.
 Sheth S, Horton KM, Garland MR, et al. Mesenteric Neoplasms. CT Appearances of Primary and Secondary Tumors and Differential Diagnosis. *Radiograph* 2003; 23(2):457-473.

Case No. 7, Accession No. 29857

September 2004

Alameda (Alameda County Medical Center) - Choriocarcinoma, metastatic
Fontana (Kaiser Permanente) - Metastatic choriocarcinoma
Glendale - Choriocarcinoma
Howard/Fremont - Choriocarcinoma
Irvine (University of California) - Metastatic choriocarcinoma
Laguna (Laguna Pathology Medical Group) - Choriocarcinoma
Long Beach - Choriocarcinoma (8)
Monterey (Community Hospital of Monterey Peninsula) - Metastatic choriocarcinoma
Monterey Park (Garfield Hospital) - Metastatic choriocarcinoma
Mountain View (El Camino Pathology Group) - Choriocarcinoma (metastatic?)
Orange (UCI Medical Center) - Choriocarcinoma
Orange (Orange County Pathology Medical Group) - Choriocarcinoma

Sacramento (UC Davis Residents) - Choriocarcinoma
Santa Rosa (Santa Rosa Memorial Hospital) - Choriocarcinoma metastatic to breast (1); Choriocarcinoma (2)
Tustin Ranch - Choriocarcinoma
Ventura - Metastatic choriocarcinoma
Arkansas (University of Arkansas Medical Center) - Metastatic gestational choriocarcinoma, breast
Arizona (Phoenix) - Choriocarcinoma, metastatic to breast
Colorado (Evergreen) - Metastatic choriocarcinoma
Colorado (Lutheran Medical Center) - Choriocarcinoma
Florida (Tallahassee) - Choriocarcinoma
Florida (Winter Haven Hospital) - Choriocarcinoma
Illinois (Burr Ridge) - Angiosarcoma, high grade
Illinois (Juliet) - Metastatic choriocarcinoma
Illinois (Northwestern Memorial Hospital) - Choriocarcinoma, metastatic
Indiana (Howard Community Hospital) - Metastatic choriocarcinoma
Louisiana (Louisiana State University Medical Center) - Metastatic choriocarcinoma
Louisiana (Methodist Hospital Group) - High grade mammary carcinoma (pleomorphic)
Maryland (National Naval Medical Center) - Choriocarcinoma
Maryland (University of Maryland) - Choriocarcinoma
Maryland (Voodoo Medicine) - Choriocarcinoma
Massachusetts (Berkshire Medical Center) - Choriocarcinoma
Massachusetts (New England Medical Center) - Metastatic choriocarcinoma
Michigan (Pathology Services) - Choriocarcinoma
Michigan (St. Joseph Mercy Hospital) - Choriocarcinoma
Minnesota (Fairview Southdale Hospital) - Choriocarcinoma (metastatic)
Missouri (Truman Medical Center) - Metastatic choriocarcinoma
Nebraska (Creighton University School of Medicine) - Choriocarcinoma, metastatic
New York (Long Island Jewish Medical Center) - Metastatic choriocarcinoma
New York (Stony Brook University Hospital Residents) - Choriocarcinoma
New York (Westchester Medical Center) - Metastatic gestational choriocarcinoma to breast
North Carolina (Fayetteville) - Choriocarcinoma
Ohio (Dayton) - Choriocarcinoma, metastasis (1); Choriocarcinoma (4)
Ohio (Medical College of Ohio) - Choriocarcinoma
Ohio (McCullough Hyde Memorial Hospital) - Choriocarcinoma
Pennsylvania (Drexel University College of Medicine) - Choriocarcinoma
Pennsylvania (Lehigh Valley Hospital) - Choriocarcinoma
Pennsylvania (Mt. Nittany Medical Center) - Angiosarcoma, grade 3/3, right breast
Pennsylvania (Pennsylvania Hospital) - Metastatic choriocarcinoma
Puerto Rico (University of Puerto Rico) - Choriocarcinoma
Rhode Island (RI Hospital) - Choriocarcinoma
Texas (Lackland AFB) - Metastatic choriocarcinoma
Texas (Lubbock) - Metastatic choriocarcinoma
Texas (ProPath Associates) - Choriocarcinoma, metastatic (2)
Texas (Scott & White Memorial Hospital) - Metastatic choriocarcinoma
Wisconsin (Bellin Health) - Choriocarcinoma
Wisconsin (Meriter Hospital) - Metastatic choriocarcinoma
Wyoming (Greenbrier Valley Medical Center) - Choriocarcinoma
Australia (North Queensland Pathology Group) - Choriocarcinoma
Australia (Royal Prince Alfred Hospital) - Metastatic choriocarcinoma
Brazil (Gustavo Rubino De Azevedo Focchi) - Choriocarcinoma, probably metastatic (2)
Canada (Foothills Medical Center) - Metastatic choriocarcinoma
Canada (Woodstock General Hospital) - Metastatic choriocarcinoma
Hong Kong (Hong Kong Baptist Hospital) - Choriocarcinoma
Italy (Naples) - Metastatic choriocarcinoma
Netherlands, Amsterdam - Metastatic choriocarcinoma
Saudi Arabia - Metastatic choriocarcinoma
Saudi Arabia (King Khalid University) - Metastatic choriocarcinoma

Case 7 - Diagnosis:

Choriocarcinoma, breast
 T-71000, M-82900

Case 7 - References:

- Erhan Y, Ozdemir N, Zekioglu O, et al. Breast Carcinomas with Choriocarcinomatous Features. Case Report and Review of the Literature. *Breast J* 2002; 8(4):244-248.
- O'Neil JS, Burow ME, Green AE, et al. Effects of Estrogen On Leptin Gene Promoter Activation in MCF-7 Breast Cancer and JEG-3 Choriocarcinoma Cells. Selective Regulation via Estrogen Receptor Alpha and Beta. *Mol Cell Endocrinol* 2001; 176(1-2):67-75.
- Fowler CA, Nicholson S, Lott M, et al. Choriocarcinoma Presenting as a Breast Lump. *Eur J Surg Oncol* 21(5):576-578.
- Erhan Y, Ozdemir N, Zekioglu O, et al. Breast Carcinomas with Choriocarcinomatous Features. Case Report and Review of the Literature. *Breast J* 2002; 8(4):244-248.
- Gangadharan VP, Prakash NP, Chitrathara K, et al. Ocular Metastasis of Choriocarcinoma. *Br J Radiol* 1999; 72(864):1216-1217.
- Murata T, Ihara S, Nakayama T, et al. Breast Cancer with Choriocarcinomatous Features. A Case Report with Cytopathologic Details. *Pathol Int* 1999;49(9):816-819.

Case No. 8, Accession No. 29869

September 2004

Alameda (Alameda County Medical Center) - Oncocytoma
Fontana (Kaiser Permanente) - Oncocytoma
Glendale - Oncocytoma
Howard/Fremont - Oncocytoma
Irvine (University of California) - Oncocytoma
Laguna (Laguna Pathology Medical Group) - Oncocytoma
Long Beach - Oncocytoma (8)
Monterey (Community Hospital of Monterey Peninsula) - Oncocytoma
Monterey Park (Garfield Hospital) - Oncocytoma
Mountain View (El Camino Pathology Group) - Oncocytoma
Orange (UCI Medical Center) - Oncocytoma
Orange (Orange County Pathology Medical Group) - Oncocytoma
Sacramento (UC Davis Residents) - Oncocytoma
Santa Rosa (Santa Rosa Memorial Hospital) - Oncocytoma (1); Renal oncocytoma (2)
Tustin Ranch - Renal oncocytoma
Ventura - Oncocytoma
Arkansas (University of Arkansas Medical Center) - Renal oncocytoma
Arizona (Phoenix) - Renal oncocytoma
Colorado (Evergreen) - Renal oncocytoma
Colorado (Lutheran Medical Center) - Oncocytoma
Florida (Tallahassee) - Oncocytoma
Florida (Winter Haven Hospital) - Oncocytoma
Illinois (Burr Ridge) - Oncocytoma
Illinois (Juliet) - Oncocytoma
Illinois (Northwestern Memorial Hospital) - Oncocytoma
Indiana (Howard Community Hospital) - Oncocytoma
Louisiana (Louisiana State University Medical Center) - Oncocytoma
Louisiana (Methodist Hospital Group) - Oncocytoma
Maryland (National Naval Medical Center) - Oncocytoma
Maryland (University of Maryland) - Oncocytoma
Maryland (Voodoo Medicine) - Oncocytoma
Massachusetts (Berkshire Medical Center) - Oncocytoma
Massachusetts (New England Medical Center) - Oncocytoma
Michigan (Pathology Services) - Oncocytoma
Michigan (St. Joseph Mercy Hospital) - Oncocytoma
Minnesota (Fairview Southdale Hospital) - Renal cell carcinoma (chromophobe tumor)
Missouri (Truman Medical Center) - Oncocytoma
Nebraska (Creighton University School of Medicine) - Oncocytoma
New York (Long Island Jewish Medical Center) - Oncocytoma
New York (Stony Brook University Hospital Residents) - Oncocytoma
New York (Westchester Medical Center) - Renal oncocytoma
North Carolina (Fayetteville) - Oncocytoma
Ohio (Dayton) - Oncocytoma (5)
Ohio (Medical College of Ohio) - Oncocytoma
Ohio (McCullough Hyde Memorial Hospital) - Oncocytoma
Pennsylvania (Drexel University College of Medicine) - Oncocytoma

Pennsylvania (Lehigh Valley Hospital) - Oncocytoma
Pennsylvania (Mt. Nittany Medical Center) - Oncocytoma, right kidney
Pennsylvania (Pennsylvania Hospital) - Oncocytoma
Puerto Rico (University of Puerto Rico) - Oncocytoma
Rhode Island (RI Hospital) - Oncocytoma
Texas (Lackland AFB) - Oncocytoma
Texas (Lubbock) - Renal cell carcinoma, oncocytic type
Texas (ProPath Associates) - Renal oncocytoma (2)
Texas (Scott & White Memorial Hospital) - Oncocytoma
Wisconsin (Bellin Health) - Oncocytoma
Wisconsin (Meriter Hospital) - Oncocytoma
Wyoming (Greenbrier Valley Medical Center) - Oncocytoma
Australia (North Queensland Pathology Group) - Oncocytoma
Australia (Royal Prince Alfred Hospital) - Oncocytoma
Brazil (Gustavo Rubino De Azevedo Focchi) - Oncocytoma (2)
Canada (Foothills Medical Center) - Oncocytoma
Canada (Woodstock General Hospital) - Oncocytoma
Hong Kong (Hong Kong Baptist Hospital) - Oncocytoma
Italy (Naples) - Renal oncocytoma
Netherlands, Amsterdam - Oncocytoma
Saudi Arabia - Oncocytoma
Saudi Arabia (King Khalid University) - Oncocytoma

Case 8 - Diagnosis:

Oncocytoma, kidney
 T-71000, M-82900

Case 8 – References:

Young AN, de Oliveira Salles PG, Lim SD, et al. Beta Defensin-1, Parvalbumin, and Vimentin. A Panel of Diagnostic Immunohistochemical Markers for Renal Tumors Derived from Gene Expression Profiling Studies using cDNA Microarrays. *Am J Surg Pathol* 2003; 27(2):199-205.
 Ibrahim el C, Allory Y, Commo F, Gattegno B, et al. Altered Pattern of Major Histocompatibility Complex Expression in Renal Carcinoma. Tumor-Specific Expression of the NonClassical Human Leukocyte Antigen-G Molecule is Restricted to Clear Cell Carcinoma While Up-Regulation of Other Major Histocompatibility Complex Antigens is Primarily Distributed in all Subtypes of Renal Carcinoma. *Am J Pathol* 2003; 162(2):501-508.
 Guillonnetau B, Bermudez II, Gholami S, et al. Laparoscopic Partial Nephrectomy for Renal Tumor. Single Center Experience Comparing Clamping and no Clamping Techniques of the Renal Vasculature. *J Urol* 2003; 169(2):483-486.
 Schulz SM and Lieber MM. Update on Oncocytoma. *Curr Urol Rep* 2003; 4(1):30-35.
 Choyke PL, Glenn GM, Walther MM, et al. Hereditary Renal Cancers. *Radiology* 2003; 226(1):33-46.
 Meng MV, Miller TR, Cha I, et al. Cytology of Morcellated Renal Specimens. Significance in Diagnosis and Dissemination. *J Urol* 2003; 169(1):45-48.

Case No. 9, Accession No. 29642

September 2004

Alameda (Alameda County Medical Center) - Pseudosarcomatous reactive proliferative lesion (proliferative fasciitis)
Fontana (Kaiser Permanente) - Liposarcoma
Glendale - Lymphocyte-rich (inflammatory) liposarcoma, low grade
Howard/Fremont - Plasma cell tumor with amyloidoma
Irvine (University of California) - Low grade liposarcoma vs. atypical lipoma
Laguna (Laguna Pathology Medical Group) - Plasmacytoma/multiple myeloma
Long Beach - Liposarcoma (8)
Monterey (Community Hospital of Monterey Peninsula) - Ganglioneuroma vs. proliferative fasciitis
Monterey Park (Garfield Hospital) - Atypical angiomyxoma
Mountain View (El Camino Pathology Group) - Well-differentiated liposarcoma, “inflammatory” type
Orange (UCI Medical Center) - Atypical lipomatous tumor
Orange (Orange County Pathology Medical Group) - Liposarcoma
Sacramento (UC Davis Residents) - Inflammatory myofibroblastic tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Sarcoma, NOS vs. pleomorphic lipoma (1); Paratesticular neoplasm, sarcoma vs. pseudotumor (1); Myxoid malignant fibrous histiocytoma (1)
Tustin Ranch - Atypical lipoma/well-differentiated liposarcoma

Ventura - Plasmacytoma
Arkansas (University of Arkansas Medical Center) - Well-differentiated (sclerosing/inflammatory) liposarcoma
Arizona (Phoenix) - Liposarcoma, paratesticular
Colorado (Evergreen) - MFH with inflammation
Colorado (Lutheran Medical Center) - Inflammatory pseudotumor
Florida (Tallahassee) - Inflammatory pseudotumor
Florida (Winter Haven Hospital) - Liposarcoma
Illinois (Burr Ridge) - Diffuse large B-cell lymphoma
Illinois (Juliet) - High grade sarcoma
Illinois (Northwestern Memorial Hospital) - Inflammatory liposarcoma
Indiana (Howard Community Hospital) - Inflammatory pseudotumor
Louisiana (Louisiana State University Medical Center) - Malignant fibrous histiocytoma (inflammatory type)
Louisiana (Methodist Hospital Group) - Myxoid liposarcoma
Maryland (National Naval Medical Center) - Liposarcoma
Maryland (University of Maryland) - Myxoid liposarcoma vs. malignant fibrohistiocytoma
Maryland (Voodoo Medicine) - Liposarcoma, high grade
Massachusetts (Berkshire Medical Center) - Rhabdomyosarcoma
Massachusetts (New England Medical Center) - Liposarcoma
Michigan (Pathology Services) - Rhabdomyosarcoma
Michigan (St. Joseph Mercy Hospital) - Liposarcoma
Minnesota (Fairview Southdale Hospital) - Sclerosing lipogranuloma
Missouri (Truman Medical Center) - Liposarcoma, well-differentiated, inflammatory
Nebraska (Creighton University School of Medicine) - Atypical lipomatous tumor
New York (Long Island Jewish Medical Center) - Inflammatory malignant fibrous histiocytoma
New York (Stony Brook University Hospital Residents) - Inflammatory liposarcoma
New York (Westchester Medical Center) - Well-differentiated liposarcoma of paratestis inflammatory type
North Carolina (Fayetteville) - Myxoid malignant fibrous histiocytoma
Ohio (Dayton) - Liposarcoma, pleomorphic type (4); Liposarcoma (1)
Ohio (Medical College of Ohio) - Pleomorphic liposarcoma
Ohio (McCullough Hyde Memorial Hospital) - Myxoid liposarcoma
Pennsylvania (Drexel University College of Medicine) - Pleomorphic liposarcoma
Pennsylvania (Lehigh Valley Hospital) - Inflammatory pseudotumor
Pennsylvania (Mt. Nittany Medical Center) - Myxoid liposarcoma, scrotum
Pennsylvania (Pennsylvania Hospital) - Pleomorphic liposarcoma
Puerto Rico (University of Puerto Rico) - Inflammatory myofibroblastic tumor
Rhode Island (RI Hospital) - Pleomorphic hyalinizing angiectatic tumor
Texas (Lackland AFB) - Lymphoplasmacytic lymphoma vs. extranodal marginal zone lymphoma
Texas (Lubbock) - Rhabdomyosarcoma
Texas (ProPath Associates) - Pseudosarcomatous myofibroblastic proliferation (1); Inflammatory pseudotumor (pseudosarcomatous myofibroblastic proliferation) (1)
Texas (Scott & White Memorial Hospital) - Inflammatory liposarcoma
Wisconsin (Bellin Health) - Inflammatory pseudotumor
Wisconsin (Meriter Hospital) - Low grade liposarcoma, inflammatory type
Wyoming (Greenbrier Valley Medical Center) - Inflammatory pseudotumor
Australia (North Queensland Pathology Group) - Pleomorphic liposarcoma
Australia (Royal Prince Alfred Hospital) - Sclerosing liposarcoma
Brazil (Gustavo Rubino De Azevedo Focchi) - Rhabdomyosarcoma with pleomorphic features (2)
Canada (Foothills Medical Center) - Pleomorphic liposarcoma
Canada (Woodstock General Hospital) - Sclerosing liposarcoma
Hong Kong (Hong Kong Baptist Hospital) - Liposarcoma
Italy (Naples) - Inflammatory liposarcoma
Netherlands, Amsterdam - Inflammatory pseudotumor
Saudi Arabia - Sarcoma, inflammatory malignant fibrous histiocytoma
Saudi Arabia (King Khalid University) - Inflammatory myxoid process, favor reactive

Case 9 - Diagnosis:

Well-differentiated inflammatory liposarcoma, para-testicular
 T-78000, M88513

Case 9 – References:

- Krause MD, Gillou L, Fletcher CDM. Well-Differentiated Inflammatory Liposarcoma. An Uncommon and Easily Overlooked Variant of a Common Sarcoma. *Am J Surg Pathol* 1997; 21(5):518-527.
- Laurino L, Furlanetto A, Orvieto E, et al. Well-Differentiated Liposarcoma (Atypical Lipomatous Tumors). *Semin Diagn Pathol* 2001; 18(4):258-262.
- Khoubehi B, Mishra V, Ali M, et al. Adult Paratesticular Tumors. *BJU Int* 2002; 90(7):707-715.
- Montgomery E and Fisher C. Paratesticular Liposarcoma. A Clinicopathologic Study. *Am J Surg Pathol* 2003; 27(1):40-47.

Case No. 10, Accession No. 29751

September 2004

Alameda (Alameda County Medical Center) - Mucinous carcinomatosis
Fontana (Kaiser Permanente) - Pseudomyxoma peritonei, favor appendiceal origin
Glendale - Mucinous carcinoma
Howard/Fremont - Mucinous carcinoma, colonic type; possible origins ovary, appendix, gut
Irvine (University of California) - Peritoneal mucinous (pseudomyxoma peritonei)
Laguna (Laguna Pathology Medical Group) - Low grade mucinous tumor from the appendix
Long Beach - Metastatic mucinous adenocarcinoma (pseudomyxoma peritonei) (8)
Monterey (Community Hospital of Monterey Peninsula) - Pseudomyxoma peritonei
Monterey Park (Garfield Hospital) - Mucinous adenocarcinoma consistent with pseudomyxoma peritonei
Mountain View (El Camino Pathology Group) - Mucinous cystadenocarcinoma (pseudomyxoma), appendiceal origin
Orange (UCI Medical Center) - Mucinous adenocarcinoma (pseudomyxoma peritonei)
Orange (Orange County Pathology Medical Group) - Adenocarcinoma, from colon or appendix
Sacramento (UC Davis Residents) - Pseudomyxoma peritonei
Santa Rosa (Santa Rosa Memorial Hospital) - Pseudomyxomatous peritonei (1); Pseudomyxoma peritonei, probable metastatic appendiceal adenocarcinoma (2)
Tustin Ranch - Mucinous (colloid) carcinoma
Ventura - Pseudomyxoma peritonei
Arkansas (University of Arkansas Medical Center) - Well-differentiated appendiceal adenocarcinoma with pseudomyxoma peritonei, omentum
Arizona (Phoenix) - Pseudomyxoma peritonei, secondary to mucinous angiocarcinoma of probable colorectal origin
Colorado (Evergreen) - Mucinous adenocarcinoma of appendiceal origin/pseudomyxoma
Colorado (Lutheran Medical Center) - Pseudomyxoma peritonei
Florida (Tallahassee) - Pseudomyxoma peritonei
Florida (Winter Haven Hospital) - Low grade mucinous adenocarcinoma
Illinois (Burr Ridge) - Pseudomyxoma peritonei
Illinois (Juliet) - Pseudomyxoma peritonei
Illinois (Northwestern Memorial Hospital) - Pseudomyxoma peritonei secondary to mucinous adenocarcinoma
Indiana (Howard Community Hospital) - Mucinous adenocarcinoma, prob ovarian primary
Louisiana (Louisiana State University Medical Center) - Diffuse peritoneal adenomucinosis
Louisiana (Methodist Hospital Group) - Mucinous adenocarcinoma
Maryland (National Naval Medical Center) - Mucinous cystadenocarcinoma
Maryland (University of Maryland) - Pseudomyxoma peritonei (adenomucinosis)
Maryland (Voodoo Medicine) - Disseminated peritoneal mucinocarcinomatosis
Massachusetts (Berkshire Medical Center) - Mucinous adenocarcinoma, appendix
Massachusetts (New England Medical Center) - Disseminated adenomucinosis
Michigan (Pathology Services) - Colorectal carcinoma
Michigan (St. Joseph Mercy Hospital) - Metastatic appendiceal adenocarcinoma with pseudomyxoma peritonei
Minnesota (Fairview Southdale Hospital) - Metastatic mucinous adenocarcinoma (pseudomyxoma peritonei)
Missouri (Truman Medical Center) - Pseudomyxoma peritonei, mucinous adenocarcinoma
Nebraska (Creighton University School of Medicine) - Mucinous adenocarcinoma, likely GI origin
New York (Long Island Jewish Medical Center) - Mucinous adenocarcinoma/pseudomyxoma peritonei
New York (Stony Brook University Hospital Residents) - Pseudomyxoma peritonei
New York (Westchester Medical Center) - Pseudomyxoma peritonei with adenomucinosis
North Carolina (Fayetteville) - Mucinous adenocarcinoma, appendiceal origin
Ohio (Dayton) - Pseudomyxomatous peritonei mucinous adenocarcinoma (1); Mucinous carcinoma (1); Metastatic mucinous adenocarcinoma (1); Mucinous adenocarcinoma (2)
Ohio (Medical College of Ohio) - Disseminated peritoneal adenomucinosis, likely of appendiceal/colorectal origin
Ohio (McCullough Hyde Memorial Hospital) - Pseudomyxoma peritonei
Pennsylvania (Drexel University College of Medicine) - Pseudomyxoma peritonei
Pennsylvania (Lehigh Valley Hospital) - Mucinous adenocarcinoma of appendix

Pennsylvania (Mt. Nittany Medical Center) - Pseudomyxoma peritonei
Pennsylvania (Pennsylvania Hospital) - Mucinous adenocarcinoma
Puerto Rico (University of Puerto Rico) - Pseudomyxoma peritonei
Rhode Island (RI Hospital) - Mucinous adenocarcinoma favoring a GI primary
Texas (Lackland AFB) - Omental implants from appendiceal mucinous tumor
Texas (Lubbock) - Metastatic mucinous carcinoma
Texas (ProPath Associates) - Mucinous adenocarcinoma pseudomyxoma peritonei (2)
Texas (Scott & White Memorial Hospital) - Metastatic mucinous adenocarcinoma of probable appendiceal origin
Wisconsin (Bellin Health) - Pseudomyxoma peritonei
Wisconsin (Meriter Hospital) - Peritoneal adenomucinosis (pseudomyxoma peritonei)
Wyoming (Greenbrier Valley Medical Center) - Pseudomyxoma peritonei
Australia (North Queensland Pathology Group) - Pseudomyxoma peritonei appendiceal
Australia (Royal Prince Alfred Hospital) - Pseudomyxoma peritonei -- Borderline proliferating mucinous tumor
Brazil (Gustavo Rubino De Azevedo Focchi) - Mucinous carcinoma probably appendiceal primary (pseudomyxoma peritonei) (2)
Canada (Foothills Medical Center) - Peritoneal mucinous carcinomatosis
Canada (Woodstock General Hospital) - Pseudomyxoma peritonei
Hong Kong (Hong Kong Baptist Hospital) - Pseudomyxoma peritonei
Italy (Naples) - Mucinous adenocarcinoma, favor ovarian primary
Netherlands, Amsterdam - Metastatic mucinous adenocarcinoma of the large bowel with a pseudomyxoma peritonei
Saudi Arabia - Mucinous carcinoma of GIT origin
Saudi Arabia (King Khalid University) - Pseudomyxoma peritonii, probably due to appendicular mucinous carcinoma

Case 10 - Diagnosis:

Omental mucinous (pseudomyxoma peritoni) probably appendiceal in origin
 T-63850, M-84806

Case 10 - References:

Lauchlan SC. The Secondary Mullerian System--Revisited. *Int J Gynecol Pathol* 1994; 13(1):73-79.
 Miyaishi O, Iida K, Saga S, et al. An Autopsy Case of Serous Papillary Carcinoma of Peritoneum with Distant Metastases but no Peritoneal Dissemination. *Gynecol Oncol* 1994; 55(3):448-452.
 Battifora H and McCaughey WTE. Atlas of Tumor Pathology Third Series Fascicle 15. Tumors of the Serosal Membranes. *Armed Forces Institute of Pathol*, Washington DC 1995