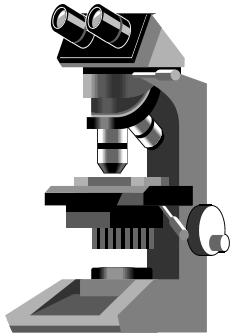


CALIFORNIA
TUMOR TISSUE REGISTRY



GENERAL PATHOLOGY

Minutes – Subscription B

November 2000

SUGGESTED READING (General Topics from Recent Literature):

Molecular Genetic Analysis of Malignant Ovarian Germ Cell Tumors. Faulkner S and Friedlander ML. *Gynecol Oncol* 2000; 77:283-288.

Update of Low Malignant Potential Ovarian Tumors. Menzin AW. *Oncol* 2000; 14(6):897-908.

Diagnostic Value of Cervical Lymph Node Biopsy. A Pathological Study of 596 Cases. Amr SS, Kamal MF and Tarawneh MS. *J of Surg Oncol* 1989; 42:239-243.

Sentinel Lymph Node Mapping in Early-Stage Breast Cancer. Technical Issue and Results with Vital Blue Dye Mapping and Radioguided Surgery. Canavese G, Gipponi M, Catturich A, et al. *J of Surg Oncol* 2000; 74:61-68.

Prognostic Factors After Surgical Resection for Pancreatic Carcinoma. Magistrelli P, Antinori A, Crucitti A, et al. *J of Surg Oncol* 2000; 74:36-40.

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
Case of the Month: www.llu.edu/llu/cttr/cotm
Web page: www.cttr.org

LLUMC Pathology Residents - Chronic mastitis
Mountain View (El Camino Hospital) - Xanthogranulomatous mastitis
Los Angeles - Organizing fat necrosis
Orange (UCI Medical Center Residents) - Inflammatory pseudotumor
Richmond - Organizing fat necrosis with chronic inflammation multinucleated giant cells and polarizable foreign material
Glendale - Rosai Dorfman disease
San Diego (Naval Medical Center) - Granulomatous mastitis
Reno (Western Pathology) - Granulomatous inflammation, ? Rosai-Dorfman disease
Utah (APA) - Xanthogranulomatous pseudotumor
Arizona (Glendale) - Granulomatous mastitis
Montana (Great Falls) - Xanthogranulomatous mastitis
Colorado (Denver) - Granulomatous inflammation with fat necrosis
Kansas (Kansas University Medical Center) - Benign reactive changes and fat necrosis (16)
Texas (Polly Ryan Memorial Hospital) - Duct ectasia
Texas (ProPath) - Fat necrosis
Texas (Waco) - Chronic abscess
Texas (Lubbock) - Xanthomatous mastitis
Texas (Ft. Worth) - Fat necrosis
Texas (Houston) - Fat necrosis
Arkansas (Little Rock) - Fat necrosis, post traumatic
Washington, DC - Granulomatous inflammation, dimorphic
Louisiana (Metairie) - Fat necrosis, breast
Indiana (Ft. Wayne) - Benign FB granuloma-organizing fat necrosis, (right female breast)
Missouri (Joplin) - Foreign body reaction and granulomatous inflammation
Wisconsin (Middleton) - Plasma cell granuloma
Illinois (Marion) - Granulomatous mastitis
Illinois (Chicago) - Duct ectasia
Michigan (Grand Rapids) - Granulomatous mastitis
Michigan (Ann Arbor) - Fat necrosis
Mississippi (Brookhaven) - Fat necrosis and chronic mastitis
Alabama (Birmingham) - Granulomatous mastitis, idiopathic
Florida (Munroe Regional Medical Center) - Non necrotizing granulomatous inflammation
Florida (Winter Haven) - Inflammatory fat necrosis (3)
Ohio (Columbus) - Mixed inflammation, giant cell reaction
Ohio (University of Cleveland) - Fat necrosis, foreign body reaction, no carcinoma
Maryland (Naval Medical Center) - Fat necrosis (10)
Maryland (University of Maryland) - Xanthogranulomatous mastitis
Pennsylvania (Conemaugh Memorial Medical Center Residents) - Chronic granulomatous mastitis
Massachusetts (Longmeadow) - Idiopathic granulomatous mastitis
Canada (Foothills Hospital) - Xanthogranulomatous mastitis
Canada, (Quebec) - Fat necrosis
Japan (Hamamatsu University School of Medicine) - Fat necrosis
Japan (Kawasaki Medical School Hospital) - Acute and chronic mastitis (3)
Japan (Okayama) - Granulomatous lobular mastitis
China (Sir Run Run Shaw Hospital) - Xanthogranulomatous inflammation of breast
Saudi Arabia (King Khalid University Hospital) - Granulomatous mastitis with fat necrosis (5); Inflammatory pseudotumor of breast (1)

Diagnosis:

Idiopathic granulomatous mastitis and fat necrosis, breast

T-04000, M-40000

References:

Fletcher A, Mcgrath IM, Riddell RH, et al. Granulomatous Mastitis. A Report of 7 Cases. *J Clin Pathol* 1982; 35(9):941-945.
 Kessler E and Wolloch Y. Granulomatous Mastitis A Lesion Clinically Simulating Carcinoma. *Am J Clin Pathol* 1972; 58(6):642-646.
 Going JJ, Anderson TJ, Wilkinson S, et al. Granulomatous Lobular Mastitis. *J Clin Pathol* 1987;40(5): 535-540.

LLUMC Pathology Residents - Placental site trophoblastic tumor (4); Atypical choriocarcinoma (2)
Mountain View (El Camino Hospital) - Placental site trophoblastic tumor
Los Angeles - Choriocarcinoma
Orange (UCI Medical Center Residents) - Placental site trophoblastic tumor
Richmond - Placental site trophoblastic tumor
Glendale - Placental site trophoblastic tumor
San Diego (Naval Medical Center) - Placental site trophoblastic tumor
Reno (Western Pathology) - Placental site trophoblastic tumor
Utah (APA) - Placental site trophoblastic tumor
Arizona (Glendale) - Placental site trophoblastic tumor
Montana (Great Falls) - Epithelioid leiomyosarcoma
Colorado (Denver) - Choriocarcinoma
Kansas (Kansas University Medical Center) - Choriocarcinoma (16)
Texas (Polly Ryan Memorial Hospital) - Placental site trophoblastic tumor
Texas (ProPath) - Placental site trophoblastic tumor
Texas (Waco) - Placental site trophoblastic tumor
Texas (Lubbock) - Choriocarcinoma
Texas (Ft. Worth) - Placental site trophoblastic tumor and adenomyosis
Texas (Houston) - Placental site trophoblastic tumor
Arkansas (Little Rock) - Placental site trophoblastic tumor
Washington, DC - Placental site trophoblastic tumor
Louisiana (Metairie) - Placental site trophoblastic tumor
Indiana (Ft. Wayne) - Choriocarcinoma, uterus
Missouri (Joplin) - Chorioadenoma destruens
Wisconsin (Middleton) - Placental site trophoblastic tumor
Illinois (Marion) - Placental site trophoblastic tumor
Illinois (Chicago) - Placental site trophoblastic tumor
Michigan (Grand Rapids) - Placental site trophoblastic tumor
Michigan (Ann Arbor) - Placental site trophoblastic tumor
Mississippi (Brookhaven) - Placental site trophoblastic tumor
Alabama (Birmingham) - Placental site trophoblastic tumor
Florida (Munroe Regional Medical Center) - Choriocarcinoma
Florida (Winter Haven) - Placental site trophoblastic tumor (2); Trophoblastic implantation site (1)
Ohio (Columbus) - Placental site trophoblastic tumor
Ohio (University of Cleveland) - Placental site trophoblastic tumor
Maryland (Naval Medical Center) - Placental site trophoblastic tumor (10)
Maryland (University of Maryland) - Placental site trophoblastic tumor
Pennsylvania (Conemaugh Memorial Medical Center Residents) - Choriocarcinoma
Massachusetts (Longmeadow) - Choriocarcinoma, uterus
Canada (Foothills Hospital) - Placental site trophoblast tumor
Canada (Quebec) - Epithelioid trophoblastic tumor
Japan (Hamamatsu University School of Medicine) - Placental site trophoblastic tumor
Japan (Kawasaki Medical School Hospital) - Epithelioid trophoblastic tumor (2); PSTT (1)
Japan (Okayama) - Epithelioid trophoblastic tumor
China (Sir Run Run Shaw Hospital) - Placental site trophoblastic tumor (PSTT)
Saudi Arabia (King Khalid University Hospital) - Placental site trophoblastic tumor

Diagnosis:**Placental site trophoblastic tumor, uterus**

T-82000, F-35800

References:

Young RH and Clement P. Malignant Lesions of the Female Genital Tract and Peritoneum That May be Underdiagnosed. *Semin Diagn Pathol* 1995; 12(1):14-29.
 Scully RE and Young RH. Trophoblastic Pseudotumor. A Reappraisal. *Am J Surg Pathol* 1981; 5(1):75-76.
 Driscoll SG. Gestational Trophoblastic Neoplasms. Morphologic Considerations. *Hum Pathol* 1977; 8(5):529-539.

LLUMC Pathology Residents - Angiomyoma (vascular leiomyoma)
Mountain View (El Camino Hospital) - Mixed smooth muscle/stromal tumor – benign “stromomyoma”
Los Angeles - (no diagnosis)
Orange (UCI Medical Center Residents) - Endometrial stromal sarcoma, low grade
Richmond - Leiomyoma with lymphocytic infiltration
Glendale - Cellular leiomyoma
San Diego (Naval Medical Center) - Low grade endometrial stromal sarcoma
Reno (Western Pathology) - Cellular leiomyoma
Utah (APA) - Endometrial stromal nodule (rule out cellular leiomyoma)
Arizona (Glendale) - Hemorrhagic cellular leiomyoma
Montana (Great Falls) - Leiomyoma with prominent vascularity
Colorado (Denver) - Low grade stromal sarcoma
Kansas (Kansas University Medical Center) - Metastatic low grade endometrial stromal sarcoma (5); Mesonephric duct remnant
 stromal hyperplasia (2); Benign smooth muscle (5); Ovarian stroma, benign (4)
Texas (Polly Ryan Memorial Hospital) - (No diagnosis)
Texas (ProPath) - Low grade endometrial stromal sarcoma
Texas (Waco) - Low grade endometrial stromal sarcoma
Texas (Lubbock) - Low grade stromal sarcoma
Texas (Ft. Worth) - Low grade endometrial stromal sarcoma
Texas (Houston) - Cellular leiomyoma
Arkansas (Little Rock) - Ovarian remnant syndrome
Washington, DC - Low grade endometrial stromal tumor
Louisiana (Metairie) - Low grade endometrioid stromal sarcoma (ovary)
Indiana (Ft. Wayne) - Ovarian tissue—remnant
Missouri (Joplin) - Leiomyosarcoma
Wisconsin (Middleton) - Endometrial stromal nodule
Illinois (Marion) - Vascular leiomyoma
Illinois (Chicago) - Endometrial stromal sarcoma, low grade
Michigan (Grand Rapids) - Low-grade endometrial stromal sarcoma
Michigan (Ann Arbor) - Endometrial stromal tumor
Mississippi (Brookhaven) - Stromatosis
Alabama (Birmingham) - Neurofibroma
Florida (Munroe Regional Medical Center) - Endometrial stromal nodule
Florida (Winter Haven) - Angiomyofibroblastoma (1); Angioleiomyoma (1); Plexiform leiomyoma (1)
Ohio (Columbus) - Angiomyofibroblastoma
Ohio (University of Cleveland) - Vascular leiomyoma
Maryland (Naval Medical Center) - Cellular leiomyoma (10)
Maryland (University of Maryland) - Cellular vascular leiomyoma
Pennsylvania (Conemaugh Memorial Medical Center Residents) - Low grade, endometrial stromal sarcoma
Massachusetts (Longmeadow) - Vascular leiomyoma, uterus
Canada (Foothills Hospital) - Low grade endometrial stromal sarcoma
Canada (Quebec) - Vascular leiomyoma
Japan (Hamamatsu University School of Medicine) - AML with extramedullary hematopoiesis
Japan (Kawasaki Medical School Hospital) - Endometrial stromal sarcoma, low grade (3)
Japan (Okayama) - Leiomyoma (probably after hormonal therapy)
China (Sir Run Run Shaw Hospital) - Endometrial stromal tumors of uterus (low grade malignancy)
Saudi Arabia (King Khalid University Hospital) - Vascular leiomyoma (2); Endometrial stromal tumor (2)

Diagnosis:**Cellular leiomyoma, uterus**

T-82000, M-88900

References:

Kempson RL and Hendrickson MR. Pure Mesenchymal Neoplasms of the Uterine Corpus. Selected Problems. *Semin Diagn Pathol* 1988; 5(2):172-198.

Bell SW, Kempson RL and Hendrickson MR. Problematic Uterine Smooth Muscle Neoplasms. A Clinicopathologic Study of 213 Cases. *Am J Surg Pathol* 1994; 18(6):535-558.

LLUMC Pathology Residents - Leiomyosarcoma with focal epithelioid changes
Mountain View (El Camino Hospital) - Leiomyosarcoma
Los Angeles - Leiomyosarcoma
Orange (UCI Medical Center Residents) - Leiomyosarcoma
Richmond - Leiomyosarcoma
Glendale - Leiomyosarcoma
San Diego (Naval Medical Center) - Leiomyosarcoma
Reno (Western Pathology) - Leiomyosarcoma
Utah (APA) - Leiomyosarcoma
Arizona (Glendale) - Carcinosarcoma
Montana (Great Falls) - Leiomyosarcoma of uterus
Colorado (Denver) - Leiomyosarcoma
Kansas (Kansas University Medical Center) - Leiomyosarcoma (16)
Texas (Polly Ryan Memorial Hospital) - Leiomyosarcoma
Texas (Propath) - Rhabdomyosarcoma
Texas (Waco) - Carcinosarcoma
Texas (Lubbock) - Mixed mullerian tumor
Texas (Ft. Worth) - Leiomyosarcoma
Texas (Houston) - Leiomyosarcoma
Arkansas (Little Rock) - Leiomyosarcoma
Washington, DC - Atypical leiomyoma
Louisiana (Metairie) - Leiomyosarcoma
Indiana (Ft. Wayne) - Carcinosarcoma (mixed mullerian neoplasm heterologous type), uterus
Missouri (Joplin) - Leiomyosarcoma
Wisconsin (Middleton) - Leiomyosarcoma
Illinois (Marion) - Leiomyosarcoma, high grade
Illinois (Chicago) - Epithelioid leiomyosarcoma
Michigan (Grand Rapids) - Leiomyosarcoma
Michigan (Ann Arbor) - Atypical leiomyoma
Mississippi (Brookhaven) - Leiomyosarcoma
Alabama (Birmingham) - Leiomyosarcoma
Florida (Munroe Regional Medical Center) - Symplastic leiomyoma
Florida (Winter Haven) - Leiomyosarcoma (2); Sarcoma (1)
Ohio (Columbus) - Leiomyosarcoma
Ohio (University of Cleveland) - Leiomyosarcoma
Maryland (Naval Medical Center) - Leiomyosarcoma (8); MMT (2)
Maryland (University of Maryland) - Epithelioid leiomyosarcoma
Pennsylvania (Conemaugh Memorial Medical Center Residents) - Leiomyosarcoma
Massachusetts (Longmeadow) - Leiomyosarcoma, uterus
Canada (Foothills Hospital) - Epithelioid leiomyosarcoma
Canada (Quebec) - Atypical leiomyoma
Japan (Hamamatsu University School of Medicine) - Leiomyosarcoma
Japan (Kawasaki Medical School Hospital) - Leiomyosarcoma (3)
Japan (Okayama) - Bizarre leiomyoma
China (Sir Run Run Shaw Hospital) - Leiomyosarcoma of uterus
Saudi Arabia (King Khalid University Hospital) - Leiomyosarcoma

Diagnosis:**Leiomyosarcoma, uterus**

T-82000, M88903

References:

Clement PB. Pathology of the Uterine Corpus. *Hum Pathol* 1991; 22(8):776-791.
 Salazar O, Bonfiglio T, Patten S, et al. Uterine Sarcomas. Natural History, Treatment and Prognosis. *Cancer* 1978; 42(3):1152-1160.
 Fleming WP, Peters WA 3d, Kumar NB, et al. Autopsy Findings in Patients With Uterine Sarcoma. *Gynecol Oncol* 1984; 19(2):168-172.

LLUMC Pathology Residents - Brunner's gland hamartoma
Mountain View (El Camino Hospital) - Brunner's gland adenoma
Los Angeles - Brunner's gland hamartoma
Orange (UCI Medical Center Residents) - Brunner's gland adenoma
Richmond - Brunner's gland hyperplasia
Glendale - Brunner's gland hyperplasia
San Diego (Naval Medical Center) - Brunner's gland nodule
Reno (Western Pathology) - Brunner's gland adenoma
Utah (APA) - Brunner's gland hamartoma
Arizona (Glendale) - Brunner's gland nodule (hyperplasia)
Montana (Great Falls) - Brunner's gland hamartoma
Colorado (Denver) - Brunner's gland hamartoma
Kansas (Kansas University Medical Center) -Brunner's gland hyperplasia (16)
Texas (Polly Ryan Memorial Hospital) - Brunner's gland hamartoma
Texas (ProPath) - Brunner's gland adenoma
Texas (Waco) - Brunner's gland hyperplasia
Texas (Lubbock) - Brunner's gland adenoma
Texas (Ft. Worth) - Brunner's gland adenoma
Texas (Houston) - Brunner's gland hamartoma
Arkansas (Little Rock) -Brunner's gland adenoma (polypoid hamartoma)
Washington, DC - Brunner's gland adenoma
Louisiana (Metairie) - Brunner's gland hamartoma
Indiana (Ft. Wayne) - Brunner's gland adenoma (polyp), Duodenum (Brunner's gland hyperplasia)
Missouri (Joplin) - Brunner's gland adenoma
Wisconsin (Middleton) - Brunner's gland adenoma
Illinois (Marion) - Brunner's gland nodular hyperplasia (adenoma)
Illinois (Chicago) - Brunner's gland hyperplasia
Michigan (Grand Rapids) - Brunner's gland adenoma (hamartoma)
Michigan (Ann Arbor) - Brunner's gland hyperplasia/adenoma
Mississippi (Brookhaven) - Brunner's gland adenoma
Alabama (Birmingham) - Brunner's gland adenoma
Florida (Munroe Regional Medical Center) - Goblet cell carcinoid
Florida (Winter Haven) - Brunner's gland hyperplasia (3)
Ohio (Columbus) - Brunner's gland adenoma
Ohio (University of Cleveland) - Brunner's gland adenoma
Maryland (Naval Medical Center) - Brunner's gland adenoma (10)
Maryland (University of Maryland) - Brunner's gland nodule (hyperplasia/adenoma)
Pennsylvania (Conemaugh Memorial Medical Center Residents) - Brunner's gland adenoma
Massachusetts (Longmeadow) - Brunner's gland adenoma, duodenum
Canada (Foothills Hospital) - Brunner's gland adenoma
Canada (Quebec) - Brunner's gland lesions
Japan (Hamamatsu University School of Medicine) - Brunner's gland hyperplasia
Japan (Kawasaki Medical School Hospital) - Brunner's gland hyperplasia (2); Brunner's gland adenoma (1)
Japan (Okayama) - Hamartomatous polyp
China (Sir Run Run Shaw Hospital) - Brunner's gland adenoma of duodenum
Saudi Arabia (King Khalid University Hospital) - Brunner's gland adenoma

Diagnosis:

Brunner's gland hamartoma ("Brunner's gland adenoma"), duodenum

T-64300, M-72440

References:

Franzin G, Musola R, Ghidini O, et al. Nodular Hyperplasia of Brunner's Glands. *Gastrointest Endosc* 1985; 31(6):374-378.
 Shemesh E, Horin BS, Barshack I, et al. Brunner's Gland Hamartoma Presenting as a Large Duodenal Polyp. *Gastrointest Endosc* 2000; 52(3):435-436.
 Bastounis E, Pikoulis E, Leppaniemi A, et al. Polypoid Hamartoma of Brunner's Gland of the Duodenum. *Dig Surg* 1999; 16(5):431-433.

LLUMC Pathology Residents - Hepatocellular adenoma (3); Well differentiated hepatocellular carcinoma (3)
Mountain View (El Camino Hospital) - Hepatic adenoma with focal atypia (history of anabolic steroid use??)
Los Angeles - (No diagnosis)
Orange (UCI Medical Center Residents) - Hepatic adenoma
Richmond - Hepatocellular carcinoma, well-differentiated
Glendale - Hepatocellular adenoma
San Diego (Naval Medical Center) - Hepatic adenoma
Reno (Western Pathology) - Hepatic adenoma
Utah (APA) - Hepatic adenoma vs. well-differentiated hepatocellular carcinoma (central peliosis)
Arizona (Glendale) - Hepatocellular adenoma
Montana (Great Falls) - Well-differentiated hepatocellular carcinoma
Colorado (Denver) - Adenoma
Kansas (Kansas University Medical Center) - Hepatic adenoma (14); Hepatocellular carcinoma, well-differentiated (2)
Texas (Polly Ryan Memorial Hospital) - Hepatocellular adenoma
Texas (ProPath) - Hepatic adenoma
Texas (Waco) - Hepatocellular adenoma
Texas (Lubbock) - Peliosis
Texas (Ft. Worth) - Hepatic adenoma
Texas (Houston) - Hepatocellular carcinoma
Arkansas (Little Rock) - Nodular regenerative hyperplasia
Washington, DC - Hepatocellular adenoma
Louisiana (Metairie) - Hepatocellular adenoma
Indiana (Ft. Wayne) - Hepatic adenoma, liver
Missouri (Joplin) - Hepatic adenoma
Wisconsin (Middleton) - Well-differentiated hepatocellular carcinoma
Illinois (Marion) - Benign hepatocellular nodule
Illinois (Chicago) - Hepatocellular carcinoma
Michigan (Grand Rapids) - Hepatic adenoma
Michigan (Ann Arbor) - Atypical hepatic adenoma
Mississippi (Brookhaven) - Liver cell adenoma
Alabama (Birmingham) - Well-differentiated hepatocellular carcinoma
Florida (Munroe Regional Medical Center) - Liver cell adenoma
Florida (Winter Haven) - Regenerative hyperplasia (1); Regenerative nodule with dysplasia (1); Hepatocyte dysplasia (1)
Ohio (Columbus) - Peliosis hepatis
Ohio (University of Cleveland) - Well-differentiated hepatocellular carcinoma
Maryland (Naval Medical Center) - Hepatic adenoma (6); Well-differentiated hepatocellular carcinoma (4)
Maryland (University of Maryland) - Hepatic adenoma
Pennsylvania (Conemaugh Memorial Medical Center Residents) - Hepatocellular carcinoma, well-differentiated
Massachusetts (Longmeadow) - Hepatocellular carcinoma, well-differentiated
Canada (Foothills Hospital) - Hepatic adenoma
Canada (Quebec) - Peliosis hepatis
Japan (Hamamatsu University School of Medicine) - Peliosis hepatis
Japan (Kawasaki Medical School Hospital) - Partial nodular transformation (2); Liver cell adenoma (1)
Japan (Okayama) - Liver cell adenoma
China (Sir Run Run Shaw Hospital) - Purpura of liver with local fatty degeneration
Saudi Arabia (King Khalid University Hospital) - Small focus of well-differentiated hepatocellular carcinoma (2); Regenerative nodule (2)

Diagnosis:**Hepatocellular adenoma, liver**

T-56000, M-81700

References:

- Nicolaides NJ. Liver Cell Adenoma Associated With Hormone Therapy Oral Contraceptive. *Med J Aust* 1978; 9(2):274-276.
 Nagorney DM. Benign Hepatic Tumors. Focal Nodular Hyperplasia and Hepatocellular Adenoma. *World J Surg* 1995; 19(1):13-18.
 Jenkins RL, Johnson LB and Lewis WD. Surgical Approach to Benign Liver Tumors. *Semin Liver Dis* 1994; 14(2):178-189.
 Ferrel LD. Hepatocellular Carcinoma Arising in a Focus of Multilobular Adenoma. A Case Report. *Am J Surg Pathol* 1993; 17(5):525-529.

LLUMC Pathology Residents - Neuroblastoma, blastemal predominant
Mountain View (El Camino Hospital) - Wilm's tumor
Los Angeles - Wilm's tumor
Orange (UCI Medical Center Residents) - Anaplastic Wilm's tumor
Richmond - Nephroblastoma (Wilm's tumor)
Glendale - Wilm's tumor
San Diego (Naval Medical Center) - Wilm's tumor, recurrent
Reno (Western Pathology) - Wilm's tumor
Utah (APA) - Nephroblastoma
Arizona (Glendale) - Nephroblastoma
Montana (Great Falls) - Nephroblastoma
Colorado (Denver) - Wilm's tumor
Kansas (Kansas University Medical Center) - Nephroblastoma (16)
Texas (Polly Ryan Memorial) - Nephroblastoma (non-anaplastic)
Texas (Propath) - Wilm's tumor
Texas (Waco) - Wilm's tumor
Texas (Lubbock) - Wilm's tumor
Texas (Ft. Worth) - Wilm's tumor
Texas (Houston) - Wilm's tumor
Arkansas (Little Rock) - Nephroblastoma
Washington, DC - Wilm's tumor
Louisiana (Metairie) - Nephroblastoma, favorable histology
Indiana (Ft. Wayne) - Recurrent Wilm's tumor—Sarcomatoid variant (anaplastic)
Missouri (Joplin) - Wilm's tumor
Wisconsin (Middleton) - Wilm's tumor
Illinois (Marion) - Nephroblastoma
Illinois (Chicago) - Wilm's tumor
Michigan (Grand Rapids) - Wilm's tumor
Michigan (Ann Arbor) - Wilm's tumor
Mississippi (Brookhaven) - Wilm's tumor
Alabama (Birmingham) - Wilm's tumor
Florida (Munroe Regional Medical Center) - Small cell carcinoma
Florida (Winter Haven) - Nephroblastoma (Wilm's tumor) (3)
Ohio (Columbus) - Wilm's tumor
Ohio (University of Cleveland) - Wilm's tumor
Maryland (Naval Medical Center) - Wilm's tumor (10)
Maryland (University of Maryland) - Wilm's tumor
Pennsylvania (Conemaugh Memorial Medical Center Residents) - Wilm's tumor
Massachusetts (Longmeadow) - Nephroblastoma, recurrent
Canada (Foothills Hospital) - Nephroblastoma (Wilm's tumor)
Canada (Quebec) - Wilm's tumor
Japan (Hamamatsu University School of Medicine) - Nephroblastoma
Japan (Kawasaki Medical School Hospital) - Wilm's tumor (2); Wilm's tumor with anaplasia (1)
Japan (Okayama) - Anaplastic Wilm's tumor
China (Sir Run Run Shaw Hospital) - Nephroblastoma (Wilm's tumor) of kidney
Saudi Arabia (King Khalid University Hospital) - Wilm's tumor (favorable histology)

Diagnosis:

Wilm's tumor, favorable histology, kidney

T-71000, M-89603

References:

Byrd RL, Evans AE and D'Angio GJ. Adult Wilms' Tumor. Effect of Combined Therapy on Survival. *J Urol* 1982; 127(4):648-651.
 Kilton L, Matthews MJ and Cohen MH. Adult Wilms' Tumor. Report of Prolonged Survival and Review of Literature *J Urol* 1980; 124(1):1-5.
 Sparano JA, Beckwith JB, Mitsudo S, et al. Complete Remission in Refractory Anaplastic Adult Wilms' Tumor Treated with Cisplatin and Etoposide. *Cancer* 1991; 67(4):956-959.

LLUMC Pathology Residents - Chromophobe RCC
Mountain View (El Camino Hospital) - Chromophobe cell carcinoma with oncocytic features (versus oncocytoma)
Los Angeles - Oncocytoma
Orange (UCI Medical Center Residents) - Chromophobe cell type carcinoma (6); Oncocytoma (2)
Richmond - Oncocytoma
Glendale - Oncocytoma
San Diego (Naval Medical Center) - Chromophobe carcinoma, eosinophilic variant
Reno (Western Pathology) - Chromophobe carcinoma, eosinophilic type
Utah (APA) - Oncocytoma
Arizona (Glendale) - Oncocytoma
Montana (Great Falls) - Oncocytic renal cell carcinoma
Colorado (Denver) - Renal cell carcinoma
Kansas (Kansas University Medical Center) - Oncocytoma (15); Eosinophilic Chromophobe renal cell carcinoma (1)
Texas (Polly Ryan Memorial Hospital) - Oncocytoma
Texas (ProPath) - Chromophobe cell renal carcinoma
Texas (Waco) - Renal oncocytoma
Texas (Lubbock) - Oncocytoma
Texas (Ft. Worth) - Renal cell carcinoma
Texas (Houston) - Oncocytoma
Arkansas (Little Rock) - Oncocytoma
Washington, DC - Oncocytoma
Louisiana (Metairie) - Well-differentiated renal cell carcinoma, collecting duct type
Indiana (Ft. Wayne) - Chromophobe renal cell carcinoma, left kidney
Missouri (Joplin) - Adenocarcinoma of kidney
Wisconsin (Middleton) - Oncocytoma
Illinois (Marion) - Renal oncocytoma
Illinois (Chicago) - Renal oncocytoma
Michigan (Grand Rapids) - Chromophobe renal cell carcinoma, eosinophilic type
Michigan (Ann Arbor) - Oncocytoma
Mississippi (Brookhaven) - Renal oncocytoma
Alabama (Birmingham) - Oncocytoma
Florida (Munroe Regional Medical Center) - Renal cell carcinoma, chromophobe type
Florida (Winter Haven) - Renal cell carcinoma (2); Renal cell carcinoma, granular cell type (1)
Ohio (Columbus) - Renal cell carcinoma, chromophobe type
Ohio (University of Cleveland) - Oncocytoma
Maryland (Naval Medical Center) - Chromophobe RCC (7); Oncocytic RCC (1); Collecting duct carcinoma (2)
Maryland (University of Maryland) - Chromophobe cell renal carcinoma
Pennsylvania (Conemaugh Memorial Medical Center Residents) - Oncocytoma
Massachusetts (Longmeadow) - Oncocytoma, kidney
Canada (Foothills Hospital) - Renal oncocytoma
Canada (Quebec) - Oncocytoma
Japan (Hamamatsu University School of Medicine) - Renal oncocytoma
Japan (Kawasaki Medical School Hospital) - Chromophobe renal cell carcinoma (3)
Japan (Okayama) - Oncocytoma
China (Sir Run Run Shaw Hospital) - Oncocytoma of kidney
Saudi Arabia (King Khalid University Hospital) - Renal oncocytoma

Diagnosis:**Oncocytoma, kidney**

T-71000, M-82900

References:

- Tickoo S, Reuter VE, Amin MB, et al. Renal Oncocytosis. A Morphologic Study of Fourteen Cases. *Am J Surg Pathol* 1999; 23(9):1094-1101.
 Marshall FF, Stewart AK and Mench HR. The National Cancer Data Base. Report on Kidney Cancers. *Cancer* 1997; 80(11):2167-2174.
 Uhlman DL, Nguyen PL, Manivel JC, et al. Association of Immunohistochemical Staining for p53 with Metastatic Progression and Poor Survival in Patients with Renal Cell Carcinoma. *J Natl Cancer Inst* 1994; 86(19):1470-1475.
 Dillman RO, Beutel LD, Cornforth AN, et al. Short-Term Tumor Cell Lines from Renal Cell Carcinoma For Use As Autologous Tumor Cell Vaccines in the Treatment of Kidney Cancer. *Cancer Biother Radiopharm* 2000; 15(2):161-168.

LLUMC Pathology Residents - Pigmented villonodular synovitis
Mountain View (El Camino Hospital) - Pigmented villonodular synovitis
Los Angeles - Pigmented villonodular synovitis
Orange (UCI Medical Center Residents) - Pigmented villonodular synovitis
Richmond - Pigmented villonodular synovitis
Glendale - Pigmented villonodular synovitis
San Diego (Naval Medical Center) - Pigmented villonodular synovitis
Reno (Western Pathology) - Pigmented villonodular tenosynovitis
Utah (APA) - Pigmented villonodular synovitis
Arizona (Glendale) - Synovial sarcoma
Montana (Great Falls) - Giant cell tumor
Colorado (Denver) - Pigmented villonodular synovitis
Kansas (Kansas University Medical Center) - Pigmented villonodular synovitis (16)
Texas (Polly Ryan Memorial Hospital) - Synovial sarcoma
Texas (ProPath) - Pigmented villonodular synovitis
Texas (Waco) - Pigmented villonodular synovitis
Texas (Lubbock) - Pigmented villonodular synovitis
Texas (Ft. Worth) - Pigmented villonodular synovitis
Texas (Houston) - Proliferative fasciitis
Arkansas (Little Rock) - Pigmented villonodular synovitis
Washington, DC - Pigmented villonodular synovitis
Louisiana (Metairie) - Pigmented villonodular synovitis
Indiana (Ft. Wayne) - Localized villonodular synovitis, synovial, right knee
Missouri (Joplin) - Pigmented villonodular tenosynovitis
Wisconsin (Middleton) - Diffuse giant cell tumor of tendon sheath
Illinois (Marion) - Localized nodular synovitis
Illinois (Chicago) - Pigmented villonodular synovitis
Michigan (Grand Rapids) - Localized nodular tenosynovitis
Michigan (Ann Arbor) - Pigmented villonodular synovitis
Mississippi (Brookhaven) - Pigmented villonodular synovitis
Alabama (Birmingham) - Pigmented villonodular tenosynovitis
Florida (Munroe Regional Medical Center) - Melanoma
Florida (Winter Haven) - Pigmented villonodular synovitis (2); Malignant fibrous histiocytoma (1)
Ohio (Columbus) - Pigmented villonodular synovitis
Ohio (University of Cleveland) - Localized nodular synovitis
Maryland (Naval Medical Center) - Nodular tenosynovitis (5); Pigmented villonodular synovitis (5)
Maryland (University of Maryland) - Pigmented villonodular tenosynovitis
Pennsylvania (Conemaugh Memorial Medical Center Residents) - Pigmented villonodular synovitis
Massachusetts (Longmeadow) - Pigmented villonodular synovitis, knee
Canada (Foothills Hospital) - Localized nodular synovitis
Canada (Quebec) - Pigmented villonodular synovitis
Japan (Hamamatsu University School of Medicine) - Giant cell tumor
Japan (Kawasaki Medical School Hospital) - Pigmented villonodular tenosynovitis (3)
Japan (Okayama) - Pigmented villonodular synovitis
China (Sir Run Run Shaw Hospital) - Tenosynovial giant cell tumor
Saudi Arabia (King Khalid University Hospital) - Pigmented villonodular tenosynovitis

Diagnosis:

Diffuse tenosynovial giant cell tumor (“Pigmented villonodular synovitis”), knee

T-Y9200, M-47830

References:

- Ushijima M, Hashimoto H, Tsuneyoshi M, et al. Giant Cell Tumor of Tendon Sheath (Nodular Tenosynovitis). A Study of 207 Cases to Compare the Large Joint Group with Common Digit Group. *Cancer* 57(4):875-884.
- Wakely PE, Jr. and Frable WJ. Fine-Needle Aspiration Biopsy Cytology of Giant Cell Tumor of Tendon Sheath. *Am J Clin Pathol* 1994; 102(1):87-90.
- Alguacil-Garcia A, Unni KK and Goellner JR. Giant Cell Tumor of Tendon Sheath and Pigmented Villonodular Synovitis. An Ultrastructural Study. *Am J Clin Pathol* 1978; 69(1):6-17.

LLUMC Pathology Residents - Mesothelioma, epithelioid
Mountain View (El Camino Hospital) - Poorly differentiated carcinoma, favor pancreatic origin
Los Angeles - Myxoid liposarcoma
Orange (UCI Medical Center Residents) - Poorly differentiated carcinoma
Richmond - Poorly differentiated carcinoma
Glendale - Poorly differentiated adenocarcinoma
San Diego (Naval Medical Center) - Undifferentiated pancreatic carcinoma
Reno (Western Pathology) - Metastatic poorly differentiated carcinoma
Utah (APA) - Poorly differentiated carcinoma (? pancreatic origin)
Arizona (Glendale) - Metastatic adenocarcinoma, favor renal cell
Montana (Great Falls) - Myxoid liposarcoma
Colorado (Denver) - Poorly differentiated carcinoma
Kansas (Kansas University Medical Center) - Biphasic mesothelioma (16)
Texas (Polly Ryan Memorial Hospital) - Malignant rhabdoid tumor
Texas (Propath) - Metastatic adenocarcinoma - rule out renal origin
Texas (Waco) - Poorly differentiated ductal adenocarcinoma of pancreas
Texas (Lubbock) - Liposarcoma
Texas (Ft. Worth) - Metastatic adenocarcinoma, probably pancreatic origin
Texas (Houston) - Sarcomatoid renal cell carcinoma
Arkansas (Little Rock) - Anaplastic (pleomorphic) carcinoma of pancreas, with lymphatic permeation
Washington, DC - Liposarcoma
Louisiana (Metairie) - Undifferentiated anaplastic carcinoma (giant cell carcinoma)
Indiana (Ft. Wayne) - Pleomorphic giant cell carcinoma? - pancreatic origin
Missouri (Joplin) - Myxoid liposarcoma
Wisconsin (Middleton) - Liposarcoma, pleomorphic
Illinois (Marion) - Poorly differentiated adenocarcinoma
Illinois (Chicago) - Epithelioid liposarcoma
Michigan (Grand Rapids) - Mesothelioma
Michigan (Ann Arbor) - Anaplastic pancreatic carcinoma
Mississippi (Brookhaven) - Liposarcoma
Alabama (Birmingham) - Poorly differentiated pancreatic ductal carcinoma
Florida (Munroe Regional Medical Center) - Adenocarcinoma, probable pancreatic
Florida (Winter Haven) - Liposarcoma (3)
Ohio (Columbus) - Large cell carcinoma
Ohio (University of Cleveland) - Carcinoma
Maryland (Naval Medical Center) - Poorly differentiated carcinoma (6); Pleomorphic liposarcoma (3)
Maryland (University of Maryland) - Poorly differentiated carcinoma (by history, a pancreatic origin is favored)
Pennsylvania (Conemaugh Memorial Medical Center Residents) - Malignant mesothelioma
Massachusetts (Longmeadow) - Malignant mesothelioma, myxoid type, retroperitoneal tissue
Canada (Foothills Hospital) - Pleomorphic liposarcoma
Canada (Quebec) - Pleomorphic liposarcoma
Japan (Hamamatsu University School of Medicine) - Poorly differentiated adenocarcinoma
Japan (Kawasaki Medical School Hospital) - Metastatic adenocarcinoma (2); Malignant mesothelioma (1)
Japan (Okayama) - Decidual malignant mesothelioma
China (Sir Run Run Shaw Hospital) - Liposarcoma of retroperitoneum/metastatic carcinoma
Saudi Arabia (King Khalid University Hospital) - (no diagnosis received)

Diagnosis:**Undifferentiated malignant neoplasm with rhabdoid features, retroperitoneum**

T-Y4600, M-80001

References:

- Parham DM, Weeks DA and Beckwith JB. The Clinicopathologic Spectrum of Putative Extrarenal Rhabdoid Tumors. *Am J Surg Pathol* 1994; 18(10):1010-1029.
- Mount SL, Lee KR and Taatjes DJ. Carcinosarcoma (Malignant Mixed Mullerian Tumor) of the Uterus with Rhabdoid Tumor Component. An Immunohistochemical, Ultrastructural, and Immunoelectron Microscopic Case Study. *Am J Clin Pathol* 1995; 103(2):235-239.
- Weeks DA, Beckwith JB and Mierau GW. Rhabdoid Tumor. An Entity or a Phenotype? *Arch Pathol Lab Med* 1989; 113(2):113-114.
- Karnes PS, Tran TN, Cui MY, et al. Establishment of a Rhabdoid Tumor Cell Line with a Specific Chromosomal Abnormality. 46,XY, t(11;22) (p15.5; q11-23). *Cancer Genet Cytogenet* 1991; 56(1):31-38.