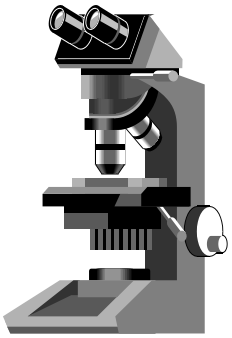
CALIFORNIA
TUMOR TISSUE REGISTRY

GENERAL PATHOLOGY

Minutes – Subscription A

March, 2003



SUGGESTED READING (General Topics from Recent Literature):

The Future of Cancer Management. Translating the Genome, Transcriptome, and Proteome. Yeatman, Timothy J. *Annals of Surg Oncol* 2003; 10(1):7-14.

Lobular Carcinoma In-Situ Diagnosed by Core Needle Biopsy. When Should It Be Excised? Middleton LP, Grant S, et al. *Mod Pathol* 2003; 16:120-129.

Survival and Prognosis in Hurthle Cell Carcinoma of the Thyroid Gland. Bhattacharyya N. *Arch Otolaryngol Head Neck Surg* 2003; 129:207-210.

Diagnostic Value of HMB-45 and Anti-Melan a Staining of Sentinel Lymph Nodes With Isolated Positive Cells. *Mod Pathol* 2002; 15:1288-1293.

Fourteen-Gauge Needle Core Biopsy of Mammographically Evident Radial Scars. Is Excision Necessary? *Cancer* 2003; 97:345-351.

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FILE DIAGNOSES

CTTR Subscription A March 2003

Case 1:

Angiomyofibroblastoma, vulva
T-80100, M-88100

Case 2:

Aggressive angiomyxoma, peri-rectal space and gluteus
T-Y9001, M-88940

Case 3:

Low grade endometrial stromal sarcoma, suprapubic region
T-Y4242, M-89303

Case 4:

Mature cystic teratoma, ovary
T-87000, M-90800

Case 5:

Intra-abdominal desmoplastic round cell tumor
T-63000, M-80001

Case 6:

Hepatocellular adenoma, liver
T-56000, M-81700

Case 7:

Fibromatosis ("extra-abdominal desmoid"), region of hip
T-11339, M-76100

Case 8:

Inflammatory fibroid polyp, small bowel
T-64000, M-76820

Case 9:

Diffuse pigmented giant cell tumor ("pigmented villonodular synovitis"), knee
T-Y9200, M-92501

Case 10:

Glioblastoma multiforme, brain
T-X2000, M-94403

Baldwin Park (Kaiser Permanente) - Angiomyofibroblastoma (3)
Bay Area - Aggressive angiomyxoma (1); Low grade angiomyxoid sarcoma (1); Angiomyxoid tumor, NOS (1)
Fontana (Kaiser Permanente) - Aggressive angiomyxoma
Hayward/Fremont - Aggressive angiomyxoma
Laguna Beach (South Coast Medical Center) - Angiomyofibroblastoma vs. aggressive angiomyxoma
Long Beach - Angiomyxomatous fibroblastoma (8)
Monterey (Community Hospital of Monterey Peninsula) - Aggressive angiomyxoma
Mountain View (El Camino Pathology Group) - Angiomyofibroblastoma
Orange (Orange County Medical Group) - Ischemic fasciitis
Orange (UCI Medical Center Residents) - Aggressive angiomyxoma
Sacramento (UC Davis Medical Center) - Angiomyofibroblastoma
San Diego (Naval Medical Center) - Cellular angiofibroma (1); Angiomyofibroblastoma (1)
San Francisco (University of California-San Francisco Hospital) - Angiofibroblastoma
Santa Rosa (Santa Rosa Memorial Hospital) - Angiomyxoma (2); Angiomyofibroblastoma (1)
Ventura - Aggressive angiomyxoma (2)
Alaska (Alaska Native Medical Center) - Angiomyofibroblastoma
Alaska (Alaska Pathology Laboratory) - Aggressive angiomyxoma
Arizona (Phoenix Memorial Hospital) - Aggressive angiomyxoma
Florida (Munroe Regional Medical Center) - Aggressive angiomyxoma
Florida (Winter Haven Hospital) - Angiomyofibroblastoma
Indiana (Fort Wayne) - Angiomyofibroblastoma, vulva
Indiana (Howard Community Hospital) - Aggressive angiomyxoma
Kansas (University of Kansas Medical Center) - Angiomyofibroblastoma (2)
Louisiana (Louisiana State University Medical Center) - Aggressive myofibroblastoma, vulva
Maryland (Johns Hopkins Hospital Residents) - Angiomyofibroblastoma (2)
Maryland (National Naval Medical Center) - Angiomyofibroblastoma (9); Aggressive angiomyxoma (3)
Maryland (University of Maryland Residents) - Angiomyofibroblastoma
Massachusetts (New England Medical Center Residents) - Aggressive angiomyxoma
Michigan (Oakwood Hospital) - Angiomyofibroblastoma
Nebraska (Creighton University School of Medicine Residents) - Angiomyxoma
New Jersey (Overlook Hospital) - Angiomyofibroblastoma (4)
New Mexico (University of New Mexico) - Angiomyofibroblastoma
New York (Long Island Jewish Medical Center) - Angiomofibroblastoma, vulva
New York (Nassau University Medical Center) - Aggressive angiomyxoma
New York (Stony Brook University Hospital Residents) - Cellular angiofibroma
New York (Westchester Medical Center) - Angiomyofibroblastoma
North Carolina (Mountain Area Pathology) - Angiomyofibroblastoma (4)
Oklahoma (Oklahoma University Pathology Residents) - Cellular angiofibroma
Oklahoma (Veterans Affairs Medical Center) - Cellular angiofibroma
Pennsylvania (Allegheny General Hospital) - Angiomyofibroblastoma
Pennsylvania (Centre Community Hospital) - Aggressive angiomyxoma
Pennsylvania (Memorial Medical Center) - Angiomyofibroblastoma/aggressive angiomyxoma
Puerto Rico (University of Puerto Rico) - Aggressive angiomyxoma/angiomyofibroblastoma
Rhode Island (R.I. Hospital Pathology Residents) - Angiomyofibroblastoma
Texas (ProPath Services) - Aggressive angiomyxoma (2)
Texas (Scott & White Memorial Hospital) - Angiomyofibroblastoma
West Virginia (Greenbrier Valley Medical Center) - Angiomyxoma
Australia (North Queensland Pathology) - Angiomyofibroblastoma; DDx: Angiomyxoma
Australia (Royal Prince Alfred Hospital) - Angiomyofibroblastoma
Canada (Foothills Medical Center) - Angiomyofibroblastoma
Hong Kong (Hong Kong Baptist Hospital) - Epithelial hemangioma

Japan (Shimada City) - Angiomyofibroblastoma
Japan (Yamanashi Medical University) - Angiomyofibroblastoma (2); Granuloma pyogenicum (1)
Netherlands, Amsterdam - Angiomyofibroblastoma
Qatar (Hamad Medical Corporation) - Angiomyofibroblastoma

Case 1 - Diagnosis:

Angiomyofibroblastoma, vulva
T-80100, M-88100

Case 1 – References:

Wang J, Sheng W, Tu X, et al. Clinicopathologic Analysis of Angiomyofibroblastoma of the Female Genital Tract. *Chin Med J* 2000; 113(11):1036-1039.

Tochika N, Takeshita A, Sonobe H, et al. Angiomyofibroblastoma of the Vulva. Report of a Case. *Surg Today* 2001; 31(6):557-559.

Fletcher CD, Tsang WY, Fisher C, et al. Angiomyofibroblastoma of the Vulva. A Benign Neoplasm Distinct from Aggressive Angiomyxoma. *Am J Surg Pathol* 1992; 16(4):373-382.

Nielsen GP, Young RH, Dickersin GR, et al. Angiomyofibroblastoma of the Vulva with Sarcomatous Transformation ("Angiomyofibrosarcoma"). *Am J Surg* 1997; 21(9):1104-1108.

Case No. 2, Accession No. 27739 March 2003

Baldwin Park (Kaiser Permanente) - Angiomyxoma, aggressive (3)
Bay Area - Intramuscular myxoma (1); Low grade myxosarcoma (2)
Fontana (Kaiser Permanente) - Myxoma
Hayward/Fremont - Massive localized lymphedema vs. sclerosing liposarcoma
Laguna Beach (South Coast Medical Center) - Myxoid liposarcoma
Long Beach - Aggressive angiomyxoma (8)
Monterey (Community Hospital of Monterey Peninsula) - Neurofibroma
Mountain View (El Camino Pathology Group) - Aggressive angiomyxoma
Orange (Orange County Medical Group) - Aggressive angiomyxoma
Orange (UCI Medical Center Residents) - Myxoma
Sacramento (UC Davis Medical Center) - Fibromatosis
San Diego (Naval Medical Center) - Aggressive angiomyxoma (2)
San Francisco (University of California-San Francisco Hospital) - Low grade myxoid neoplasm
Santa Rosa (Santa Rosa Memorial Hospital) - Aggressive angiomyxoma (2); Myxoma (1)
Ventura - Intramuscular myxoma (2)
Alaska (Alaska Native Medical Center) - Aggressive angiomyxoma
Alaska (Alaska Pathology Laboratory) - Intramuscular myxoma
Arizona (Phoenix Memorial Hospital) - Aggressive angiomyxoma
Florida (Munroe Regional Medical Center) - Myxoma
Florida (Winter Haven Hospital) - Intramuscular myxoma
Indiana (Fort Wayne) - Aggressive angiomyxoma, left gluteal area
Indiana (Howard Community Hospital) - Aggressive angiomyxoma
Kansas (University of Kansas Medical Center) - Myxoid liposarcoma (2)
Louisiana (Louisiana State University Medical Center) - Aggressive angiomyxoma, pelvis
Maryland (Johns Hopkins Hospital Residents) - Aggressive angiomyxoma (2)
Maryland (National Naval Medical Center) - Aggressive angiomyxoma (10); Myxoid liposarcoma (2)
Maryland (University of Maryland Residents) - Myxoid neurofibroma
Massachusetts (New England Medical Center Residents) - Low grade fibromyxoid sarcoma
Michigan (Oakwood Hospital) - Aggressive angiomyxoma
Nebraska (Creighton University School of Medicine Residents) - Liposarcoma, low grade
New Jersey (Overlook Hospital) - Angiomyxoma (1); Aggressive angiomyxoma (3)
New Mexico (University of New Mexico) - Aggressive angiomyxoma

New York (Long Island Jewish Medical Center) - Angiomyxoma
New York (Nassau University Medical Center) - Myxofibrosarcoma, low grade
New York (Stony Brook University Hospital Residents) - Angiomyxoma
New York (Westchester Medical Center) - Aggressive angiomyxoma
North Carolina (Mountain Area Pathology) - Angiomyxoma (2); Aggressive angiomyxoma (2)
Oklahoma (Oklahoma University Pathology Residents) - Aggressive angiomyxoma
Oklahoma (Veterans Affairs Medical Center) - Aggressive angiomyxoma
Pennsylvania (Allegheny General Hospital) - Aggressive angiomyxoma
Pennsylvania (Centre Community Hospital) - Intravascular myxoma
Pennsylvania (Memorial Medical Center) - Aggressive angiomyxoma/schwannoma
Puerto Rico (University of Puerto Rico) - Intramuscular myxoma
Rhode Island (R.I. Hospital Pathology Residents) - Aggressive angiomyxoma
Texas (ProPath Services) - Myxoid liposarcoma (2)
Texas (Scott & White Memorial Hospital) - Aggressive angiomyxoma
West Virginia (Greenbrier Valley Medical Center) - Myxoma, intramuscular
Australia (North Queensland Pathology) - Intramuscular myxoma; DDx: Myxoid liposarcoma
Australia (Royal Prince Alfred Hospital) - Aggressive angiomyxoma
Canada (Foothills Medical Center) - Aggressive angiomyxoma
Hong Kong (Hong Kong Baptist Hospital) - Inflammatory fibroblastic tumor
Japan (Shimada City) - Intramuscular myxoma
Japan (Yamanashi Medical University) - Aggressive angiomyxoma (1); Intramuscular myxoma (1)
Netherlands, Amsterdam - Aggressive angiomyxoma
Qatar (Hamad Medical Corporation) - Aggressive angiomyxoma

Case 2 - Diagnosis:

Aggressive angiomyxoma, peri-rectal space and gluteus
T-Y9001, M-88940

Consultation: Sharon W. Weiss, M.D., University of Michigan, "Consistent with aggressive angiomyxoma."

Case 2 - References:

Nakayama H, Hirol M, Kiyoku H, et al. Superficial Angiomyxoma of the Right Inguinal Region. Report of a Case. *Jpn J Clin Oncol* 1997; 27(3):200-203.
Hanoch J, Prus D and Milwidsky A. Aggressive Vulvar Angiomyxoma. *Acta Obstet Gynecol Scand* 2000; 79(8):712-713.
Nucci MR, Weremowicz S, Neskey DM, et al. Chromosomal Translocation t(8;12) Induces Aberrant HMGIC Expression in Aggressive Angiomyxoma of the Vulva. *Genes Chromosomes Cancer* 2001; 32(2):172-176.
Outwater EK, Marchetto BE and Wagner BJ. Aggressive Angiomyxoma. Findings on CT and MR Imaging. *AJR Am J Roentgenol* 1999; 172(2):435-438.

Case No. 3, Accession No. 29512 March 2003

Baldwin Park (Kaiser Permanente) - Endometrial stromal sarcoma (1); Endometrial stromal tumor, low grade (1); Endometrial stromal tumor (1)
Bay Area - Myxoid liposarcoma with myxoid differentiation (2); Embryonal rhabdomyosarcoma (1)
Fontana (Kaiser Permanente) - Hemangiopericytoma
Hayward/Fremont - Extragastrointestinal stromal tumor
Laguna Beach (South Coast Medical Center) - Leiomyoma with cord-like arrangement
Long Beach - Myxoid leiomyoma (8)
Monterey (Community Hospital of Monterey Peninsula) - Hemangiopericytoma
Mountain View (El Camino Pathology Group) - Plexiform leiomyoma
Orange (Orange County Medical Group) - Low grade stromal sarcoma
Orange (UCI Medical Center Residents) - Solitary fibrous tumor vs. angiomyofibroblastoma
Sacramento (UC Davis Medical Center) - Angioleiomyoma

San Diego (Naval Medical Center) - Angiomyofibroblastoma (1); Cellular angiofibroma (1)
San Francisco (University of California-San Francisco Hospital) - Angiomyofibroblastic tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Angiomyofibroblastoma (2); Leiomyoma (1)
Ventura - Extra-abdominal desmoid (2)
Alaska (Alaska Native Medical Center) - Endometrial stromal tumor (2); Smooth muscle tumor (hypercellular and myxoid) (1)
Alaska (Alaska Pathology Laboratory) - Fibrous histiocytoma
Arizona (Phoenix Memorial Hospital) - Cellular schwannoma
Florida (Munroe Regional Medical Center) - Cellular leiomyoma
Florida (Winter Haven Hospital) - Cellular plexiform leiomyoma
Indiana (Fort Wayne) - Myofibroblastoma, suprapubic area
Indiana (Howard Community Hospital) - Hemangiopericytoma
Kansas (University of Kansas Medical Center) - Epithelioid hemangioendothelioma (1); Hemangioendothelioma (1)
Louisiana (Louisiana State University Medical Center) - Epithelioid leiomyosarcoma with myxoid features
Maryland (Johns Hopkins Hospital Residents) - Cellular leiomyoma vs. angiomyofibroblastoma (1); Myofibroma (1)
Maryland (National Naval Medical Center) - Cellular angiofibroma (8); Liposarcoma (4)
Maryland (University of Maryland Residents) - Leiomyoma vs. low grade stromal sarcoma
Massachusetts (New England Medical Center Residents) - Angiomyofibroblastoma
Michigan (Oakwood Hospital) - Endometrial stromal sarcoma
Nebraska (Creighton University School of Medicine Residents) - Smooth muscle tumor of undetermined malignant potential
New Jersey (Overlook Hospital) - Leiomyoma (partly myxoid) (4)
New Mexico (University of New Mexico) - Leiomyoma
New York (Long Island Jewish Medical Center) - Epithelioid leiomyoma
New York (Nassau University Medical Center) - Angiomyofibroblastoma
New York (Stony Brook University Hospital Residents) - Vascular leiomyoma (angioleiomyoma)
New York (Westchester Medical Center) - Cellular angiofibroma/vascular leiomyoma
North Carolina (Mountain Area Pathology) - Leiomyoma (3); Cellular leiomyoma (1)
Oklahoma (Oklahoma University Pathology Residents) - Myxoid leiomyosarcoma
Oklahoma (Veterans Affairs Medical Center) - Angiomyofibroblastoma
Pennsylvania (Allegheny General Hospital) - Myofibroblastoma
Pennsylvania (Centre Community Hospital) - Hemangiopericytoma
Pennsylvania (Memorial Medical Center) - Hyalinized leiomyoma/hemangiopericytoma
Puerto Rico (University of Puerto Rico) - Spindle cell lipoma
Rhode Island (R.I. Hospital Pathology Residents) - Endometrial stromal tumor or myxofibrosarcoma
Texas (ProPath Services) - Hemangiopericytoma (1); Benign leiomyopericytoma (1)
Texas (Scott & White Memorial Hospital) - Cellular angiofibroma
West Virginia (Greenbrier Valley Medical Center) - Epithelioid leiomyosarcoma
Australia (North Queensland Pathology) - Leiomyoma
Australia (Royal Prince Alfred Hospital) - Epithelioid leiomyoma, plexiform variant
Canada (Foothills Medical Center) - Leiomyoma
Hong Kong (Hong Kong Baptist Hospital) - Fibrosarcoma
Japan (Shimada City) - Solitary fibrous tumor
Japan (Yamanashi Medical University) - Myofibroma (1); Vascular leiomyosarcoma (1); Hemangiopericytoma (1)
Netherlands, Amsterdam - Extragastrointestinal stromal tumor
Qatar (Hamad Medical Corporation) - Leiomyoma

Case 3 - Diagnosis:

Low grade endometrial stromal sarcoma, suprapubic region
T-Y4242, M-89303

Consultation: Christopher D.M. Fletcher, M.D., Brigham and Women's Hospital, "Low-grade endometrial stromal sarcoma, possible arising from endometriosis."

Case 3 - References:
Spano JP, Soria JC, Kambouchner M, et al. Long-Term Survival of Patients Given Hormonal Therapy for Metastatic Endometrial Stromal Sarcoma. *Med Oncol* 2003; 20(1):87-93.
Liao X, Wang Y, Yue C, Liu Y, et al. Highly Cellular Leiomyoma of Uterus. A Comparative Morphologic and Immunohistochemical Study of Endometrial Stromal Tumors. *Zhonghua Bing Li Xue Za Zhi* 2002; 31(5):396-400.
Morrison C, Ramirez NC, Chan JK, et al. Endometrial Stromal Sarcoma of the Retroperitoneum. *Ann Diagn Pathol* 2002; 6(5): 312-318.
Yilmaz A, Ruch DS and Soslow RA. Endometrial Stromal Sarcomas With Unusual Histologic Features. A Report of 24 Primary and Metastatic Tumors Emphasizing Fibroblastic and Smooth Muscle Differentiation. *Am J Surg Pathol* 2002; 26(9):1142-1150.
Reich O, Pickel H and Regauer S. Cytologic Diagnosis of Low Grade Endometrial Stromal Sarcoma By Staining for Estrogen and Progesterone Receptors. *Acta Cytol* 2002; 46(4):790-792.

Case No. 4, Accession No. 28806 March 2003

Baldwin Park (Kaiser Permanente) - Mature cystic teratoma (dermoid cyst) (1); Benign cystic teratoma (1); Mature cystic teratoma (1)
Bay Area - Cystic teratoma ("dermoid") with (?) immature elements (1); Without immature elements (2)
Fontana (Kaiser Permanente) - Mature cystic teratoma
Hayward/Fremont - Mature teratoma
Laguna Beach (South Coast Medical Center) - Mature cystic teratoma
Long Beach - Mature cystic teratoma (dermoid cyst) (8)
Monterey (Community Hospital of Monterey Peninsula) - Mature cystic teratoma
Mountain View (El Camino Pathology Group) - Mature cystic teratoma
Orange (Orange County Medical Group) - Mature cystic teratoma
Orange (UCI Medical Center Residents) - Mature teratoma
Sacramento (UC Davis Medical Center) - Mature teratoma
San Diego (Naval Medical Center) - Mature cystic teratoma (2)
San Francisco (University of California-San Francisco Hospital) - Mature cystic teratoma
Santa Rosa (Santa Rosa Memorial Hospital) - Benign cystic teratoma (dermoid cyst) (2); Benign cystic teratoma (1)
Ventura - Mature cystic teratoma (2)
Alaska (Alaska Native Medical Center) - Mature cystic teratoma
Alaska (Alaska Pathology Laboratory) - Mature cystic teratoma
Arizona (Phoenix Memorial Hospital) - Benign cystic teratoma
Florida (Munroe Regional Medical Center) - Dermoid cyst
Florida (Winter Haven Hospital) - Benign cystic teratoma
Indiana (Fort Wayne) - Adult cystic teratoma, left ovary
Indiana (Howard Community Hospital) - Teratoma with immature neural elements
Kansas (University of Kansas Medical Center) - Benign mature cystic teratoma (1); Mature cystic teratoma (1)
Louisiana (Louisiana State University Medical Center) - Desmoid cyst, ovary
Maryland (Johns Hopkins Hospital Residents) - Mature teratoma (2)
Maryland (National Naval Medical Center) - Mature cystic teratoma (12)
Maryland (University of Maryland Residents) - Mature cystic teratoma
Massachusetts (New England Medical Center Residents) - Immature teratoma
Michigan (Oakwood Hospital) - Benign cystic teratoma
Nebraska (Creighton University School of Medicine Residents) - Mature teratoma
New Jersey (Overlook Hospital) - Mature cystic teratoma (4)
New Mexico (University of New Mexico) - Mature teratoma
New York (Long Island Jewish Medical Center) - Mature cystic teratoma (dermoid cyst), ovary
New York (Nassau University Medical Center) - Mature teratoma (dermoid cyst)
New York (Stony Brook University Hospital Residents) - Mature cystic teratoma
New York (Westchester Medical Center) - Mature cystic teratoma
North Carolina (Mountain Area Pathology) - Dermoid cyst (1); Mature cystic teratoma (dermoid cyst) (1); Mature cystic teratoma (1); Desmoid cyst (1)

Oklahoma (Oklahoma University Pathology Residents) - Immature teratoma
Oklahoma (Veterans Affairs Medical Center) - Benign cystic teratoma ("dermoid cyst of ovary")
Pennsylvania (Allegheny General Hospital) - Mature cystic teratoma of ovary "dermoid cyst"
Pennsylvania (Centre Community Hospital) - Mature cystic teratoma (dermoid cyst)
Pennsylvania (Memorial Medical Center) - Epidermal inclusion cyst/cystic teratoma
Puerto Rico (University of Puerto Rico) - Mature teratoma
Rhode Island (R.I. Hospital Pathology Residents) - Mature teratoma
Texas (ProPath Services) - Benign cystic teratoma (2)
Texas (Scott & White Memorial Hospital) - Mature teratoma
West Virginia (Greenbrier Valley Medical Center) - Dermoid cyst
Australia (North Queensland Pathology) - Mature teratoma
Australia (Royal Prince Alfred Hospital) - Mature cystic teratoma with evidence of rupture
Canada (Foothills Medical Center) - Mature cystic teratoma
Hong Kong (Hong Kong Baptist Hospital) - Mature cystic teratoma, glial elements present
Japan (Shimada City) - Mature teratoma
Japan (Yamanashi Medical University) - Immature teratoma (3)
Netherlands, Amsterdam - Cystic mature teratoma
Qatar (Hamad Medical Corporation) - Mature cystic teratoma of ovary

Case 4 - Diagnosis:

Mature cystic teratoma, ovary
T-87000, M-90800

Case 4 - References:

Templeman CL, Fallat ME, Lam AM, et al. Managing Mature Cystic Teratomas of the Ovary. *Obstet Gynecol Surv* 2000; 55(12):738-745.

Emoto M, Obama H, Horiuchi S, et al. Transvaginal Color Doppler Ultrasonic Characterization of Benign and Malignant Ovarian Cystic Teratomas and Comparison with Serum Squamous Cell Carcinoma Antigen. *Cancer* 2000; 88(10):2298-2304.

Outwater EK, Siegelman ES and Hunt JL. Ovarian Teratomas. Tumor Types and Imaging Characteristics. *Radiograph* 2001; 21(2):475-490.

Halabi M, Oliva E, Mazal PR, et al. Prostatic Tissue in Mature Cystic Teratomas of the Ovary. A Report of Four Cases, Including One With Features of Prostatic Adenocarcinoma, and Cytogenetic Studies. *Int J Gynecol Pathol* 2002; 21(3):261-267.

Kikkawa F, Nawa A, Tamakoshi K, et al. Diagnosis of Squamous Cell Carcinoma Arising from Mature Cystic Teratoma of the Ovary. *Cancer* 1998; 82(11):2249-2255.

Case No. 5, Accession No. 29500 March 2003

Baldwin Park (Kaiser Permanente) - Desmoplastic small round cell tumor (1); Intra-abdominal desmoplastic small blue cell tumor (1); Intra-abdominal desmoplastic small round cell tumor (1)
Bay Area - Small cell neuroendocrine carcinoma (2); Small round cell desmoplastic tumor (? PNET) (1)
Fontana (Kaiser Permanente) - Intra-abdominal desmoplastic small round cell tumor
Hayward/Fremont - Desmoplastic small round cell tumor
Laguna Beach (South Coast Medical Center) - Desmoplastic small round cell tumor
Long Beach - Desmoplastic small round cell tumor (8)
Monterey (Community Hospital of Monterey Peninsula) - Desmoplastic small round cell tumor
Mountain View (El Camino Pathology Group) - Intra-abdominal desmoplastic small round cell tumor
Orange (Orange County Medical Group) - Intra-abdominal desmoplastic small cell tumor
Orange (UCI Medical Center Residents) - Desmoplastic small round cell tumor
Sacramento (UC Davis Medical Center) - Desmoplastic small round cell tumor
San Diego (Naval Medical Center) - Desmoplastic round cell tumor (1); Intra-abdominal desmoplastic round cell tumor (1)
San Francisco (University of California-San Francisco Hospital) - Peripheral neuroepithelial tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Desmoplastic small round cell tumor (1); Malignant large cell neuroendocrine tumor (1); Extraskeletal Ewing's sarcoma (1);
Ventura - Undifferentiated small cell carcinoma (2)

Alaska (Alaska Native Medical Center) - Intra-abdominal desmoplastic small round cell tumor
Alaska (Alaska Pathology Laboratory) - Intra-abdominal desmoplastic small cell tumor
Arizona (Phoenix Memorial Hospital) - Desmoplastic small round cell tumor
Florida (Munroe Regional Medical Center) - Desmoplastic small cell tumor
Indiana (Fort Wayne) - Desmoplastic small round cell tumor, intra-abdominal area
Indiana (Howard Community Hospital) - Intra-abdominal desmoplastic small cell tumor
Kansas (University of Kansas Medical Center) - Desmoplastic small round cell tumor (2)
Louisiana (Louisiana State University Medical Center) - Small round cell tumor
Maryland (Johns Hopkins Hospital Residents) - Intra-abdominal desmoplastic small round cell tumor (1); Desmoplastic small round cell tumor (1)
Maryland (National Naval Medical Center) - Intra-abdominal desmoplastic small round cell tumor (12)
Maryland (University of Maryland Residents) - Desmoplastic small round cell tumor
Massachusetts (New England Medical Center Residents) - Desmoplastic small round cell tumor
Michigan (Oakwood Hospital) - Desmoplastic small round cell tumor
Nebraska (Creighton University School of Medicine Residents) - Small round cell desmoplastic tumor
New Jersey (Overlook Hospital) - Desmoplastic small round cell tumor (4)
New Mexico (University of New Mexico) - Desmoplastic small round cell tumor
New York (Long Island Jewish Medical Center) - Intra-abdominal desmoplastic small round cell tumor
New York (Nassau University Medical Center) - Intra-abdominal small round cell tumor
New York (Stony Brook University Hospital Residents) - Intra-abdominal desmoplastic small round-cell tumor
New York (Westchester Medical Center) - Desmoplastic small cell tumor
North Carolina (Mountain Area Pathology) - Intra-abdominal desmoplastic small round cell tumor (2); Desmoplastic small round cell tumor (1)
Oklahoma (Oklahoma University Pathology Residents) - Desmoplastic small round cell tumor
Oklahoma (Veterans Affairs Medical Center) - Desmoplastic small round cell tumor
Pennsylvania (Allegheny General Hospital) - Desmoplastic small round cell tumor
Pennsylvania (Centre Community Hospital) - Desmoplastic small round cell tumor
Pennsylvania (Memorial Medical Center) - Extraskeletal Ewing sarcoma/desmoplastic small round cell sarcoma
Puerto Rico (University of Puerto Rico) - Peripheral neuroectodermal tumor (PNET)/desmoplastic small round tumor
Rhode Island (R.I. Hospital Pathology Residents) - Intra-abdominal desmoplastic small round cell tumor
Texas (ProPath Services) - Primitive neuroectodermal tumor (2)
Texas (Scott & White Memorial Hospital) - Desmoplastic small round cell tumor
West Virginia (Greenbrier Valley Medical Center) - Non-endocrine small cell carcinoma
Australia (North Queensland Pathology) - Malignant primitive neuroectodermal tumor
Australia (Royal Prince Alfred Hospital) - Desmoplastic small round cell tumor
Canada (Foothills Medical Center) - Desmoplastic small round cell tumor
Hong Kong (Hong Kong Baptist Hospital) - Peripheral primitive neuroendocrine tumor
Japan (Shimada City) - Desmoplastic small cell tumor
Japan (Yamanashi Medical University) - Desmoplastic small round cell tumor (1); Ewing sarcoma (1); PNET (1)
Netherlands, Amsterdam - Desmoplastic round cell tumor
Qatar (Hamad Medical Corporation) - Desmoplastic small round cell tumor

Case 5 - Diagnosis:

Intra-abdominal desmoplastic round cell tumor
T-63000, M-80001

Case 5 - References:

Syed S, Haque AK, Hawkins HK, et al. Desmoplastic Small Round Cell Tumor of the Lung. *Arch Pathol Lab Med* 2002; 126(10):1226-1228.
Gerald WL, Ladanyi M, de Alava E, et al. Clinical, Pathologic and Molecular Spectrum of Tumors Associated with t(11;22)(p13;q12). Desmoplastic Small Round Cell Tumor and Its Variants. *J Clin Oncol* 1998; 16(9):3028-3036.
Ordonez NG. Desmoplastic Small Round Cell Tumor II. An Ultrastructural and Immunohistochemical Study with Emphasis on New Immunohistochemical Markers. *Am J Surg Pathol* 1998; 22(11):1314-1327.
Crapanzano JP, Cardillo M, Lin O, et al. Cytology of Desmoplastic Small Round Cell Tumor. *Cancer* 2002; 96(1):21-31.

Ordonez NG. Desmoplastic Small Round Cell Tumor I. A Histopathologic Study of 39 Cases With Emphasis on Unusual Histological Patterns. *Am J Surg Pathol* 1998; 22(11):1301-1313.

Case No. 6, Accession No. 29550 March 2003

Baldwin Park (Kaiser Permanente) - Hepatocellular carcinoma (1); Hepatoblastoma vs. hepatocellular carcinoma (1); Regenerative nodule vs. hepatocellular carcinoma (1)

Bay Area - Well-differentiated hepatocellular carcinoma (1); Epithelial type hepatoblastoma (1); Adenomatous proliferation, NOS (1)

Fontana (Kaiser Permanente) - Adenoma

Hayward/Fremont - Hepatocellular carcinoma

Laguna Beach (South Coast Medical Center) - Hepatocellular adenoma vs. well-differentiated hepatocellular carcinoma

Long Beach - Adenoma of liver (8)

Monterey (Community Hospital of Monterey Peninsula) - Hepatocellular adenoma

Mountain View (El Camino Pathology Group) - Hepatic adenoma

Orange (Orange County Medical Group) - Hepatocellular carcinoma , well-differentiated

Orange (UCI Medical Center Residents) - Adenoma

Sacramento (UC Davis Medical Center) - Fibrolamellar hepatocellular carcinoma

San Diego (Naval Medical Center) - Hepatoblastoma fetal pattern (8); Hepatocellular adenoma (2); Hepatic adenoma (1)

San Francisco (University of California-San Francisco Hospital) - Fibrolamellar hepatocellular carcinoma

Santa Rosa (Santa Rosa Memorial Hospital) - Well-differentiated hepatocellular carcinoma (3)

Ventura - Hepatocellular adenoma (2)

Alaska (Alaska Native Medical Center) - Hepatocellular adenoma

Alaska (Alaska Pathology Laboratory) - Hepatoblastoma

Arizona (Phoenix Memorial Hospital) - Hepatocellular carcinoma, fibrolamellar type

Florida (Munroe Regional Medical Center) - Liver cell adenoma

Florida (Winter Haven Hospital) - Macroregenerative nodule

Indiana (Fort Wayne) - Well-differentiated hepatocellular carcinoma, right lobe of liver

Indiana (Howard Community Hospital) - Hepatocarcinoma

Kansas (University of Kansas Medical Center) - Hepatic adenoma (1); Liver adenoma (1)

Louisiana (Louisiana State University Medical Center) - Grade I, hepatocellular carcinoma

Maryland (Johns Hopkins Hospital Residents) - Hepatoblastoma, fetal type (2)

Maryland (National Naval Medical Center) - Hepatocellular carcinoma (12)

Maryland (University of Maryland Residents) - Liver cell adenoma

Massachusetts (New England Medical Center Residents) - Hepatoblastoma

Michigan (Oakwood Hospital) - Hepatocellular adenoma

Nebraska (Creighton University School of Medicine Residents) - Hepatocellular adenoma

New Jersey (Overlook Hospital) - Hepatocellular carcinoma (4)

New Mexico (University of New Mexico) - Hepatocellular carcinoma

New York (Long Island Jewish Medical Center) - Hepatocellular adenoma

New York (Nassau University Medical Center) - Hepatocellular adenoma vs. hepatoma, well-differentiated

New York (Stony Brook University Hospital Residents) - Hepatocellular adenoma

New York (Westchester Medical Center) - Hepatocellular carcinoma

North Carolina (Mountain Area Pathology) - Adenoma vs. well-differentiated hepatocellular carcinoma (2); Hepatic adenoma vs. well-differentiated hepatocellular carcinoma (1); Hepatocellular adenoma vs. well-differentiated hepatocellular carcinoma (1)

Oklahoma (Oklahoma University Pathology Residents) - Hepatocellular carcinoma

Oklahoma (Veterans Affairs Medical Center) - Hepatoblastoma, fetal epithelial-type

Pennsylvania (Allegheny General Hospital) - Hepatic adenoma

Pennsylvania (Centre Community Hospital) - Hepatic adenoma

Pennsylvania (Memorial Medical Center) - Hepatoblastoma

Puerto Rico (University of Puerto Rico) - Hepatic adenoma

Rhode Island (R.I. Hospital Pathology Residents) - Hepatocellular adenoma

Texas (ProPath Services) - Focal nodular hyperplasia (2)

Texas (Scott & White Memorial Hospital) - Hepatocellular carcinoma
West Virginia (Greenbrier Valley Medical Center) - Hepatoblastoma, fetal
Australia (North Queensland Pathology) - Hepatic adenoma
Australia (Royal Prince Alfred Hospital) - Hepatoblastoma, fetal type
Canada (Foothills Medical Center) - Fibrolamellar hepatocellular carcinoma
Hong Kong (Hong Kong Baptist Hospital) - Hepatocellular carcinoma
Japan (Shimada City) - Hepatocellular adenoma
Japan (Yamanashi Medical University) - Heptocellular carcinoma (1); Fibrolamellar carcinoma (1); Hepatoblastoma (1)
Netherlands, Amsterdam - Hepatoblastoma
Qatar (Hamad Medical Corporation) - Hepatocellular carcinoma

Case 6 - Diagnosis:

Hepatocellular adenoma, liver
T-56000, M-81700

Case 6 - References:

Libbrecht L, De Vos R, Cassiman D, et al. Hepatic Progenitor Cells in Hepatocellular Adenomas. *Am J Surg Pathol* 2001; 25(11):1388-1396.

Terkavatan T, de Wilt JH, de Man RA, et al. Indications and Long-Term Outcome of Treatment for Benign Hepatic Tumors. A Critical Appraisal. *Arch Surg* 2001; 136(9):1033-1038.

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Ojanguren I, Ariza A, Castella EM, et al. p53 Immunoreactivity in Hepatocellular Adenoma, Focal Nodular Hyperplasia, Cirrhosis and Hepatocellular Carcinoma. *Histopath* 1995; 26(1):63-68.

Resnick MB, Kozakewich HP and Perez-Atayde AR. Hepatic Adenoma in the Pediatric Age Group. Clinicopathological Observations and Assessment of Cell Proliferative Activity. *Am J Surg Pathol* 1995; 19(10):1181-1190.

Case No. 7, Accession No. 29298 March 2003

Baldwin Park (Kaiser Permanente) - Dermoid (1); Fibromatosis/desmoid (1); Fibromatosis (1)
Bay Area - Aggressive fibromatosis (3)
Fontana (Kaiser Permanente) - Fibrosarcoma
Hayward/Fremont - Extra-abdominal fibromatosis
Laguna Beach (South Coast Medical Center) - Extra-abdominal desmoid/fibromatosis
Long Beach - Fibromatosis (8)
Monterey (Community Hospital of Monterey Peninsula) - Fibromatosis
Mountain View (El Camino Pathology Group) - Fibromatosis/desmoid tumor
Orange (Orange County Medical Group) - Nodular fasciitis
Orange (UCI Medical Center Residents) - Fibromatosis
Sacramento (UC Davis Medical Center) - Fibromatosis
San Diego (Naval Medical Center) - Extra-abdominal desmoid fibromatosis (1); Low grade fibromyxoid sarcoma (1)
San Francisco (University of California-San Francisco Hospital) - Nodular proliferative fasciitis
Santa Rosa (Santa Rosa Memorial Hospital) - Fasciitis, rule out fibromatosis (1); Low grade fibrosarcoma vs. nodular fasciitis (1); Nodular fasciitis (1)
Ventura - Extra-abdominal fibromatosis (2)
Alaska (Alaska Native Medical Center) - Desmoplastic fibroma/fibromatosis
Alaska (Alaska Pathology Laboratory) - Nodular fasciitis
Arizona (Phoenix Memorial Hospital) - Extra-abdominal fibromatosis
Florida (Munroe Regional Medical Center) - Desmoid tumor
Florida (Winter Haven Hospital) - Fibromatosis
Indiana (Fort Wayne) - Fibromatosis, left gluteus medius and maximus
Indiana (Howard Community Hospital) - Desmoid tumor (musculoaponeurotic fibromatosis)
Kansas (University of Kansas Medical Center) - Nodular fasciitis (1); Desmoid tumor (1)
Louisiana (Louisiana State University Medical Center) - Desmoid fibromatosis

Maryland (Johns Hopkins Hospital Residents) - Extra-abdominal fibromatosis (desmoid tumor) (2)
Maryland (National Naval Medical Center) - Fibromatosis (12)
Maryland (University of Maryland Residents) - Fibromatosis
Massachusetts (New England Medical Center Residents) - Fibromatosis
Michigan (Oakwood Hospital) - Fibromatosis
Nebraska (Creighton University School of Medicine Residents) - Fibromatosis
New Jersey (Overlook Hospital) - Leiomyosarcoma (1); Fibromatosis (3)
New Mexico (University of New Mexico) - Fibromatosis
New York (Long Island Jewish Medical Center) - Extra-abdominal fibromatosis (desmoid type)
New York (Nassau University Medical Center) - Extra-abdominal desmoid tumor
New York (Stony Brook University Hospital Residents) - Desmoid type of fibromatosis
New York (Westchester Medical Center) - Fibromatosis (extra-abdominal desmoid)
North Carolina (Mountain Area Pathology) - Extra-abdominal desmoid tumor (1); Fibromatosis (2); Fibromatosis (extra-abdominal desmoid tumor) (1)
Oklahoma (Oklahoma University Pathology Residents) - Fibrosarcoma
Oklahoma (Veterans Affairs Medical Center) - Extra-abdominal fibromatosis
Pennsylvania (Allegheny General Hospital) - Fibromatosis
Pennsylvania (Centre Community Hospital) - Inflammatory myofibroblastic tumor
Pennsylvania (Memorial Medical Center) - Leiomyoma/ganglioneuroma
Puerto Rico (University of Puerto Rico) - Fibromatosis
Rhode Island (R.I. Hospital Pathology Residents) - Extra-abdominal fibromatosis
Texas (ProPath Services) - Extra-abdominal desmoid (1); Extra-abdominal fibromatosis (extra-abdominal desmoid) (1)
Texas (Scott & White Memorial Hospital) - Extra-abdominal desmoid
West Virginia (Greenbrier Valley Medical Center) - Musculoaponeurotic fibromatosis
Australia (North Queensland Pathology) - Infantile extra-abdominal desmoid fibromatosis
Australia (Royal Prince Alfred Hospital) - Extra-abdominal desmoid tumor
Canada (Foothills Medical Center) - Fibromatosis
Hong Kong (Hong Kong Baptist Hospital) - Fibrosarcoma
Japan (Shimada City) - Extra-abdominal fibromatosis
Japan (Yamanashi Medical University) - Desmoid tumor (2); Nodular fasciitis (1)
Netherlands, Amsterdam - Fibromatosis
Qatar (Hamad Medical Corporation) - Fibromatosis

Case 7 - Diagnosis:

Fibromatosis ("extra-abdominal desmoid"), region of hip
T-11339, M-76100

Case 7 - References:

Allen PW. The Fibromatoses. A Clinicopathologic Classification Based on 140 Cases. *Am J Surg Pathol* 1977; 1(3):255-270.
Karakousis CP, Mayordomo J, Zografos GC, et al. Desmoid Tumors of the Trunk and Extremity. *Cancer* 1993; 72(5):1637-1641.
Lopez R, Kemalyan N, Moseley HS, et al. Problems in Diagnosis and Management of Desmoid Tumors. *Am J Surg Pathol* 1990; 159(5):450-453.
Alman BA, Pajerski ME, Diaz-Cano, et al. Aggressive Fibromatosis (Desmoid Tumor) is a Monoclonal Disorder. *Diagn Mol Pathol* 1997; 6(2):98-101.
Hizawa K, Iida M, Mibu R, et al. Desmoid Tumors in Familial Adenomatous Polyposis/Gardner's Syndrome. *J Clin Gastroenterol* 1997; 25(1):334-337.
Izes JK, Zinman LN and Larsen CR. Regression of Large Pelvic Desmoid Tumor by Tamoxifen and Sulindac. *Urol* 1996; 47(5):756-759.

Case No. 8, Accession No. 28407 March 2003

Baldwin Park (Kaiser Permanente) - Inflammatory pseudotumor (3)
Bay Area - Inflammatory myofibroblastic tumor (2); Angiomyxolipoma (1)
Fontana (Kaiser Permanente) - Inflammatory fibroid polyp (inflammatory pseudotumor)

Hayward/Fremont - Inflammatory fibroid polyp
Laguna Beach (South Coast Medical Center) - Inflammatory pseudotumor
Long Beach - Inflammatory pseudotumor (8)
Monterey (Community Hospital of Monterey Peninsula) - Inflammatory pseudotumor
Mountain View (El Camino Pathology Group) - Inflammatory fibroid polyp
Orange (Orange County Medical Group) - Florid angiomatous reactive proliferation in intussusception
Orange (UCI Medical Center Residents) - Inflammatory fibroid polyp
Sacramento (UC Davis Medical Center) - Inflammatory pseudotumor
San Diego (Naval Medical Center) - Inflammatory fibroid polyp (2)
San Francisco (University of California-San Francisco Hospital) - Inflammatory fibroid polyp
Santa Rosa (Santa Rosa Memorial Hospital) - Inflammatory fibroid polyp (2); Inflammatory pseudotumor (1)
Ventura - Inflammatory pseudotumor (2)
Alaska (Alaska Native Medical Center) - Inflammatory fibroid polyp
Alaska (Alaska Pathology Laboratory) - Inflammatory fibroid polyp
Arizona (Phoenix Memorial Hospital) - Gastrointestinal stromal tumor
Florida (Munroe Regional Medical Center) - Pseudotumor
Florida (Winter Haven Hospital) - Granulation tissue
Indiana (Fort Wayne) - Inflammatory fibroid polyp, small bowel
Indiana (Howard Community Hospital) - Angiosarcoma
Kansas (University of Kansas Medical Center) - Inflammatory pseudotumor (2)
Louisiana (Louisiana State University Medical Center) - Inflammatory fibroid polyp
Maryland (Johns Hopkins Hospital Residents) - Inflammatory fibroid polyp (2)
Maryland (National Naval Medical Center) - Inflammatory fibroid polyp (12)
Maryland (University of Maryland Residents) - Inflammatory fibroid polyp
Massachusetts (New England Medical Center Residents) - Inflammatory fibroid polyp
Michigan (Oakwood Hospital) - Inflammatory fibroid polyp
Nebraska (Creighton University School of Medicine Residents) - Inflammatory fibrous polyp
New Jersey (Overlook Hospital) - Inflammatory fibroid polyp (4)
New Mexico (University of New Mexico) - Inflammatory fibroid polyp
New York (Long Island Jewish Medical Center) - Inflammatory fibroid polyp
New York (Nassau University Medical Center) - Inflammatory pseudotumor
New York (Stony Brook University Hospital Residents) - Inflammatory pseudotumor
New York (Westchester Medical Center) - Inflammatory fibrous polyp
North Carolina (Mountain Area Pathology) - Inflammatory fibroid polyp (Vanek) (3); Inflammatory fibroid polyp (1)
Oklahoma (Oklahoma University Pathology Residents) - Inflammatory fibroid polyp
Oklahoma (Veterans Affairs Medical Center) - Inflammatory fibroid polyp
Pennsylvania (Allegheny General Hospital) - Inflammatory myofibroblastic tumor
Pennsylvania (Centre Community Hospital) - Inflammatory fibroid polyp (Vanek polyp)
Pennsylvania (Memorial Medical Center) - Inflammatory pseudo polyp
Puerto Rico (University of Puerto Rico) - Inflammatory pseudotumor
Rhode Island (R.I. Hospital Pathology Residents) - Inflammatory fibroid polyp
Texas (ProPath Services) - Epithelioid hemangioma (2)
Texas (Scott & White Memorial Hospital) - Inflammatory fibroid polyp
West Virginia (Greenbrier Valley Medical Center) - Stromal tumor
Australia (North Queensland Pathology) - Angiosarcoma, ? Kaposi's
Australia (Royal Prince Alfred Hospital) - Inflammatory fibroid polyp
Canada (Foothills Medical Center) - Inflammatory fibroid polyp
Hong Kong (Hong Kong Baptist Hospital) - Inflammatory pseudotumor
Japan (Shimada City) - Inflammatory fibroid polyp
Japan (Yamanashi Medical University) - Inflammatory fibroid polyp (2); Granulation tissue (1)
Netherlands, Amsterdam - Vascular mesenchymal tumor ?
Qatar (Hamad Medical Corporation) - Inflammatory fibroid polyp

Case 8 - Diagnosis:

Inflammatory fibroid polyp, small bowel
T-64000, M-76820

Case 8 – References:

Johnstone JM and Morson BC. Inflammatory Fibroid Polyps of the Gastrointestinal Tract. *Histopathol* 1978; 2(5):349-361.
Shimer GR and Helwig EB. Inflammatory Fibroid Polyps of the Intestine. *Am J Clin Pathol* 1984; 81(6):708-714.
Bullock WK and Moran ET. Inflammatory Fibroid Polyps of the Stomach. *Cancer* 1953; 488-493.

Case No. 9, Accession No. 29497 March 2003

Baldwin Park (Kaiser Permanente) - Malignant giant cell tumor (2); Pigmented villonodular tenosynovitis (1)
Bay Area - Synovial chondrosarcoma (2); Synovial sarcoma (1)
Fontana (Kaiser Permanente) - Pigmented villonodular synovitis
Hayward/Fremont - Pigmented villonodular synovitis (PVNS)
Laguna Beach (South Coast Medical Center) - Tenosynovial giant cell tumor/pigmented villonodular synovitis
Long Beach - Pigmented nodular synovitis (8)
Monterey (Community Hospital of Monterey Peninsula) - Pigmented villonodular synovitis
Mountain View (El Camino Pathology Group) - Pigmented villonodular synovitis (diffuse giant cell tumor of tendon sheath)
Orange (Orange County Medical Group) - Tenosynovial giant cell tumor, diffuse type
Orange (UCI Medical Center Residents) - Giant cell tumor of tendon sheath
Sacramento (UC Davis Medical Center) - Pigmented villonodular synovitis
San Diego (Naval Medical Center) - Pigmented villonodular synovitis (1); Diffuse tenosynovial giant cell tumor (1)
San Francisco (University of California-San Francisco Hospital) - Recurrent giant cell tumor of bone
Santa Rosa (Santa Rosa Memorial Hospital) - Pigmented villonodular synovitis (1); Synovial sarcoma (1); Pigmented villonodular bursitis (1)
Ventura - Giant cell tumor of tendon sheath (2)
Alaska (Alaska Native Medical Center) - Synovial giant cell tumor, diffuse type (2); Pigmented villonodular synovitis (1)
Alaska (Alaska Pathology Laboratory) - Tenosynovial giant cell tumor, diffuse type
Arizona (Phoenix Memorial Hospital) - Giant cell malignant fibrous histiocytoma (malignant giant cell tumor of soft parts)
Florida (Munroe Regional Medical Center) - Clear cell sarcoma
Florida (Winter Haven Hospital) - Mesenchymal chondrosarcoma
Indiana (Fort Wayne) - Diffuse pigmented villonodular synovitis
Indiana (Howard Community Hospital) - Giant cell tumor of bone
Kansas (University of Kansas Medical Center) - Giant cell tumor of tendon sheath (2)
Louisiana (Louisiana State University Medical Center) - Pigmented villonodular synovitis
Maryland (Johns Hopkins Hospital Residents) - Tenosynovial giant cell tumor (2)
Maryland (National Naval Medical Center) - Tenosynovial giant cell type (12)
Maryland (University of Maryland Residents) - Pigmented villonodular synovitis
Massachusetts (New England Medical Center Residents) - Pigmented villonodular synovitis
Michigan (Oakwood Hospital) - Pigmented villonodular synovitis
Nebraska (Creighton University School of Medicine Residents) - Papillary villous tenosynovitis
New Jersey (Overlook Hospital) - Diffuse giant cell tumor (2); Giant cell tumor, NOS (2)
New Mexico (University of New Mexico) - Pigmented villonodular synovitis
New York (Long Island Jewish Medical Center) - Diffuse type giant cell tumor
New York (Nassau University Medical Center) - Diffuse giant cell tumor of tendon sheath
New York (Stony Brook University Hospital Residents) - Giant cell tumor of tendon sheath, diffuse type (pigmented villonodular synovitis)
New York (Westchester Medical Center) - Pigmented villonodular synovitis
North Carolina (Mountain Area Pathology) - Villonodular synovitis (1); Pigmented villonodular synovitis (3)
Oklahoma (Oklahoma University Pathology Residents) - Osteosarcoma
Oklahoma (Veterans Affairs Medical Center) - Tenosynovial giant cell tumor, diffuse-type
Pennsylvania (Allegheny General Hospital) - Diffuse-type giant cell tumor

Pennsylvania (Centre Community Hospital) - Pigmented villonodular synovitis with secondary synovial chondrometaplasia
Pennsylvania (Memorial Medical Center) - Pigmented villonodular synovitis
Puerto Rico (University of Puerto Rico) - Pigmented villonodular synovitis
Rhode Island (R.I. Hospital Pathology Residents) - Pigmented villonodular synovitis
Texas (ProPath Services) - Pigmented villonodular synovitis (2)
Texas (Scott & White Memorial Hospital) - Diffuse tenosynovial giant cell tumor
West Virginia (Greenbrier Valley Medical Center) - Nodular synovitis, pigmented
Australia (North Queensland Pathology) - Pigmented villonodular synovitis
Australia (Royal Prince Alfred Hospital) - Tenosynovial giant cell tumor, diffuse type
Canada (Foothills Medical Center) - Pigmented villonodular tenosynovitis
Hong Kong (Hong Kong Baptist Hospital) - Giant cell tumor of tendon sheath
Japan (Shimada City) - Tenosynovial giant cell tumor
Japan (Yamanashi Medical University) - Pigmented villonodular synovitis (3)
Netherlands, Amsterdam - Tenosynovial giant cell tumor, diffuse type
Qatar (Hamad Medical Corporation) - Pigmented villonodular synovitis

Case 9 - Diagnosis:

Diffuse pigmented giant cell tumor ("pigmented villonodular synovitis"), knee
T-Y9200, M-92501

Case 9 – References:

Rosenberg D, Kohler R, Chau E, et al. Pigmented Villonodular Synovitis. Diffuse and Localized Forms in Children. *Arch Pediatr* 2001; 8(4):381-384.

Rowlands CG, Roland B, Hwang WS, et al. Diffuse-Variant Tenosynovial Giant Cell Tumor. A Rare and Aggressive Lesion. *Hum Pathol* 1994; 25(4):423-425.

Gonzalez-Campora R, Salas Herrero E, Otal-Salaverri Cvillar-Rodriguez JL, et al. Diffuse Tenosynovial Giant Cell Tumor of Soft Tissues. Report of a Case With Cytologic and Cytogenetic Findings. *Acta Cytol* 1995; 39(4):770-776.

Darling JM, Goldring SR, Harada Y, et al. Multinucleated Cells in Pigmented Villonodular Synovitis and Giant Cell Tumor of Tendon Sheath Express Features of Osteoclasts. *Am J Pathol* 1997; 150(4):1383-1393.

O'Connell JX, Fanburg JC and Rosenberg AE. Giant Cell Tumor of Tendon Sheath and Pigmented Villonodular Synovitis. Immunophenotype Suggests a Synovial Cell Origin. *Hum Pathol* 1995; 26(7):771-775.

Case No. 10, Accession No. 28462 March 2003

Baldwin Park (Kaiser Permanente) - Glioblastoma multiforme (3)
Bay Area - Glioblastoma multiforme (2); Anaplastic oligodendroglioma (1)
Fontana (Kaiser Permanente) - Glioblastoma multiforme
Hayward/Fremont - Glioblastoma multiforme
Laguna Beach (South Coast Medical Center) - Glioblastoma multiforme
Long Beach - Glioblastoma multiforme (8)
Monterey (Community Hospital of Monterey Peninsula) - Oligodendroglioma
Mountain View (El Camino Pathology Group) - Anaplastic oligoastrocytoma vs. glioblastoma multiforme
Orange (Orange County Medical Group) - Anaplastic oligodendroglioma
Orange (UCI Medical Center Residents) - Glioblastoma
Sacramento (UC Davis Medical Center) - Glioblastoma with oligodendroglial component
San Diego (Naval Medical Center) - Anaplastic ependymoma (1); Mixed glioma (oligoependymoma) (1)
Santa Rosa (Santa Rosa Memorial Hospital) - Glioblastoma multiforme (3)
Ventura - Oligodendroglioma (2)
Alaska (Alaska Native Medical Center) - Malignant/anaplastic glial tumor favor ependymoma (2); Favor oligodendroglioma (1)
Alaska (Alaska Pathology Laboratory) - Glioblastoma multiforme
Arizona (Phoenix Memorial Hospital) - Glioblastoma multiforme
Florida (Munroe Regional Medical Center) - Anaplastic oligodendroglioma
Florida (Winter Haven Hospital) - Mixed glioma
Indiana (Fort Wayne) - Glioblastoma multiform, CNS

Indiana (Howard Community Hospital) - Oligodendroglioma
Kansas (University of Kansas Medical Center) - Glioblastoma multiforme (2)
Louisiana (Louisiana State University Medical Center) - Ependymoma
Maryland (Johns Hopkins Hospital Residents) - Glioblastoma multiforme (WHO grade IV) (1); Glioblastoma multiforme (1)
Maryland (National Naval Medical Center) - Glioblastoma multiforme (12)
Maryland (University of Maryland Residents) - Glioblastoma multiforme
Massachusetts (New England Medical Center Residents) - Glioblastoma multiforme
Michigan (Oakwood Hospital) - Anaplastic oligodendroglioma
Nebraska (Creighton University School of Medicine Residents) - Glioblastoma multiforme
New Jersey (Overlook Hospital) - Glioblastoma multiforme (4)
New Mexico (University of New Mexico) - Anaplastic oligodendroglioma
New York (Long Island Jewish Medical Center) - Oligodendroglioma, grade III
New York (Nassau University Medical Center) - Glioblastoma multiforme
New York (Stony Brook University Hospital Residents) - Glioblastoma multiforme with oligodendroglioma feature
New York (Westchester Medical Center) - Glioblastoma multiforme with ependymal features
North Carolina (Mountain Area Pathology) - Glioblastoma multiforme
Oklahoma (Oklahoma University Pathology Residents) - Gliobastoma
Oklahoma (Veterans Affairs Medical Center) - Glioblastoma multiforme
Pennsylvania (Allegheny General Hospital) - Anaplastic ependymoma
Pennsylvania (Centre Community Hospital) - Glioblastoma
Pennsylvania (Memorial Medical Center) - High grade oligodendroglioma/GPM
Puerto Rico (University of Puerto Rico) - Anaplastic ependymoma
Rhode Island (R.I. Hospital Pathology Residents) - Glioblastoma multiforme
Texas (ProPath Services) - Mixed oligodendroglioma (2)
Texas (Scott & White Memorial Hospital) - Glioblastoma multiforme
West Virginia (Greenbrier Valley Medical Center) - Glioblastoma multiforme
Australia (North Queensland Pathology) - Glioblastoma multiforme
Australia (Royal Prince Alfred Hospital) - Anaplastic oligodendroglioma
Canada (Foothills Medical Center) - Clear cell ependymoma
Hong Kong (Hong Kong Baptist Hospital) - Malignant ependymoma
Japan (Shimada City) - Glioblastoma multiforme
Japan (Yamanashi Medical University) - Anaplastic oligodendroglioma (1); Glioblastoma (2)
Netherlands, Amsterdam - Glioblastoma
Qatar (Hamad Medical Corporation) - Anaplastic oligoastrocytoma (glioblastoma multiforme with oligodendroglioma like foci)

Case 10 - Diagnosis:

Glioblastoma multiforme, brain
T-X2000, M-94403

Case 10 - References:

Burger PC, Vogel FS, Green SB, et al. Glioblastoma and Anaplastic Astrocytoma. Pathologic Criteria and Prognostic Implications. *Cancer* 1985; 56(5):1106-1111.
Chandler KL, Prados MD, Malec M, et al. Long-Term Survival in Patients with Glioblastoma Multiforme. *Neurosurg* 1993; 32(5):716-720.
Torp SH. Proliferative Activity in Human Glioblastomas. Evaluation of Different Ki67 Equivalent Antibodies. *Mol Pathol* 1997; 50(4):198-200.