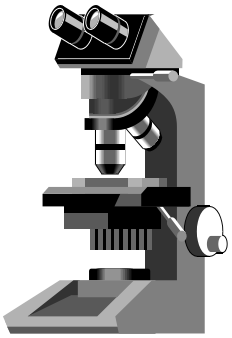
CALIFORNIA
TUMOR TISSUE REGISTRY

GENERAL PATHOLOGY

Minutes – Subscription A

March 2002



SUGGESTED READING (General Topics from Recent Literature):

A Review of Tumor Suppressor Genes in Cutaneous Neoplasms with Emphasis on Cell Cycle Regulators. Smith KJ, Barrett TL, Smith WF, et al. *Am J of Dermatopathol* 1998; 20(3):302-313.

Tolerance and Autoimmunity. Mackay IR and Rosen FS. *Adv in Immunology* 2001; 344(9):655-664.

Cytologic Diagnosis of Dysplasia in the Alimentary Tract. Tambouret R, Pitman MB, and Wang HH. *Sem in Diagn Pathol* 2002; 19(1):38-47.

The Molecular Basis of Dysplasia. Zukerberg L. *Sem in Diagn Pathol* 2002; 19(1):48-53.

Dismantling the Germinal Center. Comparing the Processes of Transformation, Regression, and Fragmentation of the Lymphoid Follicle. Jones D. *Adv in Anat Pathol* 2002; 9(2):129-138.

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FILE DIAGNOSES

CTTR Subscription A March 2002

Case 1:

Metastatic melanoma, spleen
T-07000, M-87203

Case 2:

Classic seminoma, testis
T-78000, M-90613

Case 3:

Embryonal carcinoma, testis
T-78000, M-90703

Case 4:

Phyllodes tumor, breast
T-04000, M-90213

Case 5:

Abdominal fibromatosis (desmoid tumor)
T-Y4100, M-76100

Case 6:

Myxoid vascular leiomyoma ("angiomyoma"), groin
T-Y7000, M-88900

Case 7:

Metastatic poorly differentiated adenocarcinoma, possibly of acinic cell origin, lymph nodes of neck
T-55100, M-85503

Case 8:

Hibernoma, leg
T-Y9400, M-88800

Case 9:

Invasive adenocarcinoma, gallbladder
T-57000, M-81403

Case 10:

Chondrosarcoma, femur
T-11710, M-92203

Bakersfield - Metastatic melanoma
Bay Area - Metastatic melanoma (3)
Hayward/Fremont - Metastatic melanoma
Long Beach (Lakewood Regional Medical Center) - Metastatic malignant melanoma (5)
Monterey (Community Hospital of Monterey Peninsula) - Metastatic melanoma
Monterey Park (Garfield Medical Center) - Metastatic malignant melanoma
Oakland (Kaiser Permanente) - Metastatic malignant melanoma (5)
Orange (UCI Medical Center Residents) - Malignant melanoma
Riverside (Kaiser Permanente) - Metastatic malignant melanoma
Riverside/Moreno Valley - Metastatic melanoma (1); Metastatic malignant melanoma (1)
Sacramento (UC Davis Medical Center) - Metastatic melanoma, spleen
San Diego (Naval Medical Center) - Metastatic melanoma (1); Metastatic malignant melanoma (1)
Santa Barbara (Cottage Hospital) - Metastatic melanoma
Santa Rosa (Santa Rosa Memorial Hospital) - Metastatic malignant melanoma (2)
Tustin - Metastatic malignant melanoma
Ventura - Metastatic malignant melanoma (3)
Alabama (BMC Princeton) - Metastatic melanoma
Arkansas (UAMS) - Metastatic malignant melanoma, spleen
Delaware (Christiana Hospital) - Metastatic melanoma
Florida (Baptist Medical Center) - Metastatic melanotic melanoma (1); Metastatic melanoma (3); True histiocytic lymphoma (1)
Florida (Munroe Regional Medical Center) - Metastatic melanoma
Florida (Pathology Associates) - Metastatic melanoma
Florida (Winter Haven Hospital) - Metastatic melanoma (2)
Illinois, Chicago - Melanoma
Illinois (Evanston Hospital) - Metastatic melanoma
Illinois (Northwestern Memorial Hospital) - Metastatic melanoma
Indiana (Fort Wayne) - Metastatic malignant melanoma, spleen
Indiana (Howard Community Hospital) - Metastatic melanoma
Louisiana (Louisiana State University Hospital) - Metastatic melanoma, spleen
Maryland, Baltimore - Epithelioid angiomyolipoma
Maryland (Johns Hopkins Hospital Residents) - Metastatic melanoma (16)
Maryland, Bethesda - Metastatic melanoma
Maryland (University of Maryland) - Metastatic melanoma
Massachusetts (Berkshire Medical Center) - Melanoma
Massachusetts (Brigham & Women's Residents/Fellows) - Metastatic melanoma, spleen
Massachusetts (New England Medical Center Residents) - Metastatic melanoma to the spleen
Michigan (Oakwood Hospital) - Metastatic melanoma
Nebraska (Creighton University School of Medicine Residents) - Metastatic melanoma
New Jersey (Overlook Hospital) - Metastatic melanoma (2)
New York (Long Island Jewish Medical Center) - Malignant melanoma
New York (Stony Brook University Hospital Residents) - Metastatic melanoma (11)
North Carolina (St. Joseph Hospital) - Metastatic melanoma (2); Melanoma (2); Metastatic malignant melanoma (1)
Pennsylvania (Allegheny General Hospital) - Metastatic melanoma
Pennsylvania (Lehigh Valley Hospital) - Metastatic malignant melanoma
Pennsylvania (Memorial Medical Center Residents) - Malignant melanoma metastatic
Puerto Rico (University of Puerto Rico) - Metastatic melanoma
Texas, Lubbock - Melanoma
Texas (Propath Services) - Metastatic melanoma (2)
Texas (Scott & White Memorial Hospital) - Metastatic melanoma
Texas, Victoria - Metastatic melanoma, spleen
Washington, Steilacom - Metastatic melanoma

Washington, DC (Georgetown University Hospital) - Metastatic melanoma
West Virginia (Greenbrier Valley Medical Center) - Melanoma, metastatic
Wisconsin, Madison - Metastatic melanoma
Wisconsin (Meriter Health Services) - Metastatic melanoma
Wisconsin, Milwaukee - Metastatic melanoma
Australia (North Queensland Pathology) - Metastatic melanoma
Australia (Royal Prince Alfred Hospital) - Metastatic melanoma (with rhabdoid features)
Canada (Foothills Medical Center) - Metastatic melanoma
Chile (University of Chile) - Metastatic malignant melanoma to spleen
Japan (Self Defense Hospital) - Malignant melanoma, metastatic
Japan, Shimada City - Metastatic melanoma
Japan (Yamanashi Medical University) - Metastasis of malignant melanoma (4)
Saudi Arabia (King Khalid University Hospital Study Group) - Metastatic malignant melanoma

Case 1 - Diagnosis:

Metastatic melanoma, spleen
T-07000, M-87203

Case 1 - References:

Watabe K, Ito A, Asada H, et al. Structure, Expression and Chromosome Mapping of MLZE, a Novel Gene Which is Preferentially Expressed in Metastatic Melanoma Cells. *Jpn J Cancer Res* 2001; 92(2):140-151.

Kyzer S, Koren R, Klein B, et al. Giant Splenomegaly Caused by Splenic Metastases of Melanoma. *Eur J Surg Oncol* 1998; 24(4):336-337.

Stutte H, Muller PH, d'Hoedt B, et al. Ultrasonographic Diagnosis of Melanoma Metastases in Liver, Gallbladder and Spleen. *J Ultrasound Med* 1989; 8(10):541-547.

Hess U, Gross M, Lehner K, et al. Initial Diagnosis of Melanoma Metastasis to the Spleen. Case Report of Follow-Up in Atypical Early Invasion of the Spleen. *Rontgen* 1996; 49(2):23-24. German

Vermess M. New Contrast Material Improves Detection of Liver and Spleen metastases. *JAMA* 1984; 251(6):707-708.

Case No. 2, Accession No. 28978 March 2002

Bakersfield - Seminoma
Bay Area - Seminoma (3)
Hayward/Fremont - Seminoma
Long Beach (Lakewood Regional Medical Center) - Seminoma (5)
Monterey (Community Hospital of Monterey Peninsula) - Seminoma
Monterey Park (Garfield Medical Center) - Seminoma, classic
Oakland (Kaiser Permanente) - Seminoma, classical type (5)
Orange (UCI Medical Center Residents) - Seminoma
Riverside (Kaiser Permanente) - Classical seminoma
Riverside/Moreno Valley - Seminoma with intratubular germ cell neoplasia (2)
Sacramento (UC Davis Medical Center) - Classic seminoma
San Diego (Naval Medical Center) - Seminoma (1); Classic seminoma (1)
Santa Barbara (Cottage Hospital) - Seminoma, classic pattern
Santa Rosa (Santa Rosa Memorial Hospital) - Seminoma (2)
Tustin - Seminoma
Ventura - Seminoma (2); Classic seminoma (1)
Alabama (BMC Princeton) - Seminoma
Arkansas (UAMS) - Seminoma, testis
Delaware (Christiana Hospital) - Seminoma
Florida (Baptist Medical Center) - Seminoma (5)
Florida (Munroe Regional Medical Center) - Seminoma
Florida (Pathology Associates) - Seminoma

Florida (Winter Haven Hospital) - Seminoma (2)
Illinois, Chicago - Seminoma with syncytiotrophoblastic cells
Illinois (Evanston Hospital) - Seminoma
Illinois (Northwestern Memorial Hospital) - Seminoma
Indiana (Fort Wayne) - Seminoma, left testis
Indiana (Howard Community Hospital) - Classic seminoma
Louisiana (Louisiana State University Hospital) - Seminoma, testicle
Maryland, Baltimore - Seminoma
Maryland (Johns Hopkins Hospital Residents) - Seminoma (16)
Maryland, Bethesda - Classic seminoma
Maryland (University of Maryland) - Classical seminoma
Massachusetts (Berkshire Medical Center) - Seminoma, classical
Massachusetts (Brigham & Women's Residents/Fellows) - Seminoma
Massachusetts (New England Medical Center Residents) - Classic seminoma
Michigan (Oakwood Hospital) - Seminoma
Nebraska (Creighton University School of Medicine Residents) - Seminoma
New Jersey (Overlook Hospital) - Seminoma (2)
New York (Long Island Jewish Medical Center) - Seminoma, testicle
New York (Stony Brook University Hospital Residents) - Classic seminoma (11)
North Carolina (St. Joseph Hospital) - Seminoma (5)
Pennsylvania (Allegheny General Hospital) - Seminoma
Pennsylvania (Lehigh Valley Hospital) - Seminoma
Pennsylvania (Memorial Medical Center Residents) - Classic seminoma
Puerto Rico (University of Puerto Rico) - Classic seminoma
Texas, Lubbock - Seminoma
Texas (Propath Services) - Seminoma (2)
Texas (Scott & White Memorial Hospital) - Seminoma
Texas, Victoria - Seminoma, testis
Washington, Steilacom - Seminoma
Washington, DC (Georgetown University Hospital) - Seminoma
West Virginia (Greenbrier Valley Medical Center) - Seminoma
Wisconsin, Madison - Seminoma
Wisconsin (Meriter Health Services) - Seminoma
Wisconsin, Milwaukee - Seminoma
Australia (North Queensland Pathology) - Classical seminoma
Australia (Royal Prince Alfred Hospital) - Classic seminoma (with probable intratubular germ cell neoplasia, unclassified)
Canada (Foothills Medical Center) - Seminoma
Chile (University of Chile) - Seminoma, testis
Japan (Self Defense Hospital) - Seminoma
Japan, Shimada City - Seminoma
Japan (Yamanashi Medical University) - Seminoma (4)
Saudi Arabia (King Khalid University Hospital Study Group) - Classic seminoma

Case 2 - Diagnosis:

Classic seminoma, testis
T-78000, M-90613

Case 2 - References:

Czaja JT and Ulbright TM. Evidence for Transformation of Seminoma to Yolk Sac Tumor, with Histogenic Considerations. *Am J Clin Pathol* 1992; 97(4):468-477.
Friedman NB and Moore RA. Tumors of the Testis. A Report of 922 Cases. *Mil Surgeon* 1946; 99:573-583.
Kelty P, Frazier H, O'Connell K, et al. Germ Cell Testicular Cancer. 15 Year Review. *J Surg Oncol* 1996; 62(1):30-33.

Bakersfield - Embryonal carcinoma
Bay Area - Embryonal carcinoma (3)
Hayward/Fremont - Embryonal carcinoma
Long Beach (Lakewood Regional Medical Center) - Embryonal carcinoma (5)
Monterey (Community Hospital of Monterey Peninsula) - Embryonal carcinoma favored (germ cell tumor)
Monterey Park (Garfield Medical Center) - Embryonal carcinoma
Oakland (Kaiser Permanente) - Embryonal carcinoma (5)
Orange (UCI Medical Center Residents) - Embryonal carcinoma
Riverside (Kaiser Permanente) - Embryonal carcinoma and intratubular germ cell neoplasia
Riverside/Moreno Valley - Endodermal sinus tumor (yolk sac tumor) (1); Embryonal carcinoma, testicle (1)
Sacramento (UC Davis Medical Center) - Mixed germ cell tumor with 90% embryonal carcinoma and 10% yolk sac tumor
San Diego (Naval Medical Center) - Embryonal carcinoma (2)
Santa Barbara (Cottage Hospital) - Mixed germ cell tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Embryonal carcinoma (2)
Tustin - Spermatocytic seminoma
Ventura - Mixed germ cell tumor (embryonal carcinoma and yolk sac tumor) (3)
Alabama (BMC Princeton) - Embryonal carcinoma
Arkansas (UAMS) - Nonseminomatous germ cell tumor (embryonal carcinoma), testis
Delaware (Christiana Hospital) - Mixed embryonal carcinoma and yolk sac tumor
Florida (Baptist Medical Center) - Embryonal carcinoma (4); Embryonal carcinoma and endodermal sinus tumor (1);
Florida (Munroe Regional Medical Center) - Mixed germ cell tumor, predominantly embryonal carcinoma
Florida (Pathology Associates) - Yolk sac tumor
Florida (Winter Haven Hospital) - Embryonal carcinoma (1); Choriocarcinoma (1)
Illinois, Chicago - Intratubular germ cell neoplasia with germ cell tumor
Illinois (Evanston Hospital) - Embryonal carcinoma
Illinois (Northwestern Memorial Hospital) - Mixed germ cell tumor with embryonal and yolk sac
Indiana (Fort Wayne) - Embryonal carcinoma, right testis
Indiana (Howard Community Hospital) - Embryonal carcinoma
Louisiana (Louisiana State University Hospital) - Embryonal carcinoma, testicle
Maryland, Baltimore - Embryonal carcinoma (would do PLAP stain)
Maryland (Johns Hopkins Hospital Residents) - Mixed nonsemanomatous germ cell tumor (12); Pure embryonal carcinoma (3)
Maryland, Bethesda - Embryonal carcinoma vs. mixed germ cell tumor
Maryland (University of Maryland) - Embryonal carcinoma
Massachusetts (Berkshire Medical Center) - Embryonal carcinoma
Massachusetts (Brigham & Women's Residents/Fellows) - Nonseminomatous germ cell tumor, predominantly embryonal carcinoma with a minor component of yolk sac tumor
Massachusetts (New England Medical Center Residents) - Mixed germ cell tumor, yolk sac and embryonal carcinoma
Michigan (Oakwood Hospital) - Embryonal carcinoma with intratubular germ cell neoplasm
Nebraska (Creighton University School of Medicine Residents) - Embryonal carcinoma
New Jersey (Overlook Hospital) - Embryonal carcinoma with microscopic focus of seminoma and in-situ germ cell neoplasia (2)
New York (Long Island Jewish Medical Center) - Favor embryonal carcinoma
New York (Stony Brook University Hospital Residents) - Embryonal carcinoma (11)
North Carolina (St. Joseph Hospital) - Embryonal carcinoma (5)
Pennsylvania (Allegheny General Hospital) - Embryonal carcinoma
Pennsylvania (Lehigh Valley Hospital) - Embryonal carcinoma
Pennsylvania (Memorial Medical Center Residents) - Anaplastic seminoma
Puerto Rico (University of Puerto Rico) - Malignant germ cell tumor (1); Embryonal carcinoma (2); Endodermal sinus tumor (?)
Texas, Lubbock - Mixed nonseminomatous germ cell tumor with 90% embryonal carcinoma and 10% teratoma
Texas (Propath Services) - Embryonal carcinoma (2)
Texas (Scott & White Memorial Hospital) - Embryonal carcinoma

Texas, Victoria - Embryonal carcinoma with rare yolk-sac-like foci, testis
Washington, Steilacom - Nonseminomatous germ cell tumor, embryonal/yolk sac
Washington, DC (Georgetown University Hospital) - Embryonal carcinoma
West Virginia (Greenbrier Valley Medical Center) - Nonseminomatous germ cell tumor (embryonal carcinoma)
Wisconsin, Madison - Embryonal cell carcinoma
Wisconsin (Meriter Health Services) - Embryonal carcinoma
Wisconsin, Milwaukee - Mixed germ cell tumor
Australia (North Queensland Pathology) - Embryonal carcinoma with adjacent intratubular germ cell neoplasia
Australia (Royal Prince Alfred Hospital) - Malignant mixed germ cell tumor (predominantly embryonal carcinoma with seminoma, yolk sac tumor and intratubular germ cell neoplasm, vascular invasion present)
Canada (Foothills Medical Center) - Nonseminomatous germ cell tumor
Chile (University of Chile) - Embryonal carcinoma, testis
Japan (Self Defense Hospital) - Embryonal carcinoma
Japan, Shimada City - Embryonal carcinoma
Japan (Yamanashi Medical University) - Embryonal carcinoma (3); Embryonal carcinoma and yolk sac tumor (1)
Saudi Arabia (King Khalid University Hospital Study Group) - Malignant mixed germ cell tumor

Case 3 - Diagnosis:

Embryonal carcinoma, testis
T-78000, M-90703

Case 3 - References:

Latza U, Foss HD, Durkop H, et al. CD30 Antigen in Embryonal Carcinoma and Embryogenesis and Release of the Soluble Molecule. *Am J Pathol* 1995; 146(2):463-471.
Berney DM, Shamash J, Peironi K, et al. Loss of CD30 Expression in Metastatic Embryonal Carcinoma. The Effects of Chemotherapy? *Histopathol* 2001; 39(4):382-385.
Assi A, Patetta R, Fava C, et al. Fine-Needle Aspiration of Testicular Lesions. Report of 17 Cases. *Diagn Cytopathol* 2000; 23(6):388-392.
Moul JW, McCarthy WF, Fernandez EB, et al. Percentage of Embryonal Carcinoma and of Vascular Invasion Predicts Pathological Stage in Clinical Stage I Nonseminomatous Testicular Cancer. *Cancer Res* 1994; 54(2):362-364.

Case No. 4, Accession No. 29326 March 2002

Bakersfield - Phyllodes tumor, benign
Bay Area - Phyllodes tumor, benign (3)
Hayward/Fremont - Phyllodes tumor
Long Beach (Lakewood Regional Medical Center) - Phyllodes tumor, low malignant potential (5)
Monterey (Community Hospital of Monterey Peninsula) - Phyllodes tumor
Monterey Park (Garfield Medical Center) - Phyllodes tumor, intermediate grade
Oakland (Kaiser Permanente) - Benign phyllodes tumor (5)
Orange (UCI Medical Center Residents) - Phyllodes tumor, benign
Riverside (Kaiser Permanente) - Phyllodes tumor
Riverside/Moreno Valley - Benign Phyllodes tumor (2)
Sacramento (UC Davis Medical Center) - Phyllodes tumor
San Diego (Naval Medical Center) - Low grade phyllodes tumor (1); Benign phyllodes tumor (1)
Santa Barbara (Cottage Hospital) - Phyllodes tumor, benign
Santa Rosa (Santa Rosa Memorial Hospital) - Phyllodes tumor, favor benign (2)
Tustin - Atypical fibroadenoma
Ventura - Phyllodes tumor (2); Phyllodes tumor, benign (1)
Alabama (BMC Princeton) - Phyllodes tumor
Arkansas (UAMS) - Phyllodes tumor, breast
Delaware (Christiana Hospital) - Cystosarcoma phyllodes, low grade

Florida (Baptist Medical Center) - Phyllodes tumor (1); Phyllodes tumor, probably benign (1); Cystosarcoma phyllodes (2); Benign cystosarcoma, Phyllodes (1)
Florida (Munroe Regional Medical Center) - Cystosarcoma phyllodes
Florida (Pathology Associates) - Benign phyllodes tumor
Florida (Winter Haven Hospital) - Benign phyllodes tumor (1); Phyllodes tumor (1)
Illinois, Chicago - Phyllodes tumor
Illinois (Evanston Hospital) - Phyllodes tumor
Illinois (Northwestern Memorial Hospital) - Phyllodes tumor, low grade
Indiana (Fort Wayne) - Phyllodes tumor, left breast
Indiana (Howard Community Hospital) - Phyllodes tumor
Louisiana (Louisiana State University Hospital) - Phyllodes tumor, breast
Maryland, Baltimore - Phyllodes tumor
Maryland (Johns Hopkins Hospital Residents) - Low grade phyllodes tumor (15)
Maryland, Bethesda - Phyllodes tumor, low grade
Maryland (University of Maryland) - Low grade phyllodes tumor
Massachusetts (Berkshire Medical Center) - Phyllodes tumor, low malignant potential
Massachusetts (Brigham & Women's Residents/Fellows) - Phyllodes tumor, intermediate grade
Massachusetts (New England Medical Center Residents) - Phyllodes tumor, benign
Michigan (Oakwood Hospital) - Phyllodes tumor, benign
Nebraska (Creighton University School of Medicine Residents) - Phyllodes tumor
New Jersey (Overlook Hospital) - Benign phyllodes tumor (2)
New York (Long Island Jewish Medical Center) - Phyllodes tumor, low malignant potential
New York (Stony Brook University Hospital Residents) - Phyllodes tumor (11)
North Carolina (St. Joseph Hospital) - Phyllodes tumor, benign (2); phyllodes tumor, low grade (1); phyllodes tumor (2)
Pennsylvania (Allegheny General Hospital) - Phyllodes tumor
Pennsylvania (Lehigh Valley Hospital) - Benign phyllodes tumor
Pennsylvania (Memorial Medical Center Residents) - Phyllodes tumor
Puerto Rico (University of Puerto Rico) - Benign phyllodes tumor
Texas, Lubbock - Benign cystosarcoma phyllodes
Texas (Propath Services) - Benign phyllodes tumor (2)
Texas (Scott & White Memorial Hospital) - Phyllodes tumor, low grade
Texas, Victoria - Fibroadenoma, breast
Washington, Steilacom - Phyllodes tumor
Washington, DC (Georgetown University Hospital) - Low grade phyllodes
West Virginia (Greenbrier Valley Medical Center) - Phyllodes tumor
Wisconsin, Madison - Phyllodes tumor
Wisconsin (Meriter Health Services) - Phyllodes tumor
Wisconsin, Milwaukee - Phyllodes tumor
Australia (North Queensland Pathology) - Malignant phyllodes tumor
Australia (Royal Prince Alfred Hospital) - Phyllodes tumor (borderline)
Canada (Foothills Medical Center) - Phyllodes tumor
Chile (University of Chile) - Phyllodes tumor, benign
Japan (Self Defense Hospital) - Phyllodes tumor
Japan, Shimada City - Phyllodes tumor
Japan (Yamanashi Medical University) - Phyllodes tumor, benign (3); Borderline (1)
Saudi Arabia (King Khalid University Hospital Study Group) - Benign phyllodes tumor of the breast

Case 4 - Diagnosis:

Phyllodes tumor, breast
T-04000, M-90213

Case 4 - References:

Reinfuss M, Mitus J Duda K, et al. The Treatment and Prognosis of Patients with Phyllodes Tumors of the Breast. An Analysis of 170 Cases. *Cancer* 1996; 77(5):910-916.

Hiraoka N, Mukai M, Hosada Y, et al. Phyllodes tumor of the Breast Containing the Intracytopasmic Inclusions Bodies Identical with Infantile Digital Fibromatosis. *Am J Surg Pathol* 1994; 18(5):506-511.
Geisler DP, Boyle MJ, Malnark F, et al. Phyllodes Tumors of the Breast. A Review of 32 Cases. *Am Surg* 2000; 66(4):360-366.
Barth RJ Jr. Histologic Features Predict Local Recurrence After Breast Conserving Therapy of Phyllodes Tumors. *Breast Cancer Res Treat* 1999; 57(3):291-295.

Case No. 5, Accession No. 29291 March 2002

Bakersfield - Abdominal fibromatosis
Bay Area - Nodular fasciitis/proliferative myositis (2); Fibromatosis, aggressive (1)
Hayward/Fremont - Fibromatosis
Long Beach (Lakewood Regional Medical Center) - Desmoid tumor (5)
Monterey (Community Hospital of Monterey Peninsula) - Desmoid tumor
Monterey Park (Garfield Medical Center) - Abdominal desmoid tumor
Oakland (Kaiser Permanente) - Abdominal fibromatosis (5)
Orange (UCI Medical Center Residents) - Abdominal fibromatosis, desmoid
Riverside (Kaiser Permanente) - Desmoid tumor (fibromatosis)
Riverside/Moreno Valley - Nodular fasciitis /fibromatosis (1); Fibromatosis, abdominal wall (1)
Sacramento (UC Davis Medical Center) - Fibromatosis
San Diego (Naval Medical Center) - Desmoid tumor, extra-abdominal fibromatosis (1); Fibromatosis (1)
Santa Barbara (Cottage Hospital) - Fibromatosis of abdominal wall
Santa Rosa (Santa Rosa Memorial Hospital) - Nodular fasciitis (1); Intramuscular nodular fasciitis (1)
Tustin - Abdominal fibromatosis (abdominal desmoid)
Ventura - Abdominal desmoid fibromatosis (3)
Alabama (BMC Princeton) - Desmoid tumor
Arkansas (UAMS) - Fibromatosis
Delaware (Christiana Hospital) - Fibromatosis
Florida (Baptist Medical Center) - Desmoid tumor (4); Abdominal fibromatosis (1)
Florida (Munroe Regional Medical Center) - Extra-abdominal fibromatosis
Florida (Pathology Associates) - Desmoid tumor
Florida (Winter Haven Hospital) - Desmoid tumor (fibromatosis) (1); Abdominal sheath fibromatosis (1)
Illinois, Chicago - Desmoid fibromatosis
Illinois (Evanston Hospital) - Fibromatosis (desmoid)
Illinois (Northwestern Memorial Hospital) - Fibromatosis
Indiana (Fort Wayne) - Desmoid fibromatosis, extra-abdominal desmoid, abdominal wall
Indiana (Howard Community Hospital) - Abdominal desmoid (fibromatosis)
Louisiana (Louisiana State University Hospital) - Desmoid fibromatosis
Maryland, Baltimore - Abdominal fibromatosis
Maryland (Johns Hopkins Hospital Residents) - Abdominal fibromatosis (desmoid tumor) (15)
Maryland, Bethesda - Extra-abdominal desmoid tumor
Maryland (University of Maryland) - Abdominal fibromatosis
Massachusetts (Berkshire Medical Center) - Fibromatosis
Massachusetts (Brigham & Women's Residents/Fellows) - Desmoid fibromatosis
Massachusetts (New England Medical Center Residents) - Abdominal fibromatosis
Michigan (Oakwood Hospital) - Fibromatosis
Nebraska (Creighton University School of Medicine Residents) - Desmoid tumor
New Jersey (Overlook Hospital) - Fibromatosis (2)
New York (Long Island Jewish Medical Center) - Desmoid tumor
New York (Stony Brook University Hospital Residents) - Fibromatosis (11)
North Carolina (St. Joseph Hospital) - Desmoid tumor (3); Fibromatosis (2)
Pennsylvania (Allegheny General Hospital) - Desmoid
Pennsylvania (Lehigh Valley Hospital) - Abdominal fibromatosis

Pennsylvania (Memorial Medical Center Residents) - Fibromatosis
Puerto Rico (University of Puerto Rico) - Fibromatosis of abdominal wall (desmoid type)
Texas, Lubbock - Desmoid tumor
Texas (Propath Services) - Abdominal desmoid tumor (2)
Texas (Scott & White Memorial Hospital) - Desmoid
Texas, Victoria - Abdominal desmoid fibromatosis
Washington, Steilacom - Extra-abdominal fibromatosis
Washington, DC (Georgetown University Hospital) - Desmoid fibromatosis
West Virginia (Greenbrier Valley Medical Center) - Fibromatosis, abdominal
Wisconsin, Madison - Desmoid tumor, fibromatosis
Wisconsin (Meriter Health Services) - Fibromatosis, desmoid type
Wisconsin, Milwaukee - Desmoid tumor
Australia (North Queensland Pathology) - Abdominal desmoid fibromatosis
Australia (Royal Prince Alfred Hospital) - Desmoid tumor, fibromatosis
Canada (Foothills Medical Center) - Desmoid tumor
Chile (University of Chile) - Fibromatosis
Japan (Self Defense Hospital) - Extra-abdominal fibromatosis
Japan, Shimada City - Abdominal fibromatosis
Japan (Yamanashi Medical University) - Desmoid (4)
Saudi Arabia (King Khalid University Hospital Study Group) - Desmoid tumor (muscular aponeurotic fibromatosis)

Case 5 - Diagnosis:

Abdominal fibromatosis (desmoid tumor)
T-Y4100, M-76100

Case 5 - References:

Reitamo JJ, Hayry P, Nykyri E, et al. The Desmoid Tumor I. Incidence, Sex-, Age-, and Anatomical Distribution in the Finnish Population. *Am J Clin Pathol* 1982; 77(6):665-684.
Acker JC, Bossen EH, et al. The Management of Desmoid Tumors *Int J Radiat Oncol Biol Phys* 1993; 26(5):851-858.
Sherman NE, Romsdahl M, Evans H, et al. Desmoid Tumors. A 20-Year Radiotherapy Experience. *Int J Radiat Oncol Biol Phys* 1990; 19(1):37-40.
Vuylsteke P, Keus R and Van-Dongen JA. Desmoid Tumours of the Abdominal Wall. *Neth J Surg* 1991; 43(4):117-120.
Eistein DM, Tagliabue JR and Desai RK. Abdominal Desmoids. CT Findings in 25 Patients. *AJR Am J Roentgenol* 1991; 157(2):275-279.
Lopez R, Kemalyan N, Moseley HS, et al. Problems in Diagnosis and Management of Desmoid Tumors. *Am Surg* 1990; 159(5):450-453.

Case No. 6, Accession No. 29113 March 2002

Bakersfield - Vascular leiomyoma
Bay Area - Leiomyoma (1); Leiomyoma of uncertain potential (1); Post-operative spindle cell nodule (1)
Hayward/Fremont - Nodular fasciitis
Long Beach (Lakewood Regional Medical Center) - Leiomyoma (5)
Monterey (Community Hospital of Monterey Peninsula) - Desmoid tumor vs. genital leiomyoma
Monterey Park (Garfield Medical Center) - Myxoid leiomyoma
Oakland (Kaiser Permanente) - Aggressive angiomyxoma (5)
Orange (UCI Medical Center Residents) - Angiomyoma
Riverside (Kaiser Permanente) - Angiomyofibroblastoma
Riverside/Moreno Valley - Leiomyoma (2)
Sacramento (UC Davis Medical Center) - Angioleiomyoma
San Diego (Naval Medical Center) - Leiomyoma (1); Angiomyoma (1); Favor myxoid leiomyoma vs. angiomyofibroblastoma (1)
Santa Barbara (Cottage Hospital) - Myxoid leiomyoma
Santa Rosa (Santa Rosa Memorial Hospital) - Angiomyoma, vascular leiomyoma (2)

Tustin - Leiomyoma
Ventura - Leiomyoma (3)
Alabama (BMC Princeton) - Leiomyoma
Arkansas (UAMS) - Leiomyoma
Delaware (Christiana Hospital) - Leiomyoma
Florida (Baptist Medical Center) - Pelvic fibromatosis vs. leiomyoma (1); Leiomyoma (? Round ligament vs. "parasitic") (1); Leiomyoma (2); Nodular fasciitis (1)
Florida (Munroe Regional Medical Center) - Neurofibroma
Florida (Pathology Associates) - Myxoid leiomyoma
Florida (Winter Haven Hospital) - Leiomyoma (1); Myxoid leiomyoma (1)
Illinois, Chicago - Aggressive angiomyxoma
Illinois (Evanston Hospital) - Aggressive angiomyxoma
Illinois (Northwestern Memorial Hospital) - Leiomyoma with myxoid degeneration
Indiana (Fort Wayne) - Myxoid leiomyoma, soft tissue, left groin
Indiana (Howard Community Hospital) - Neurothekeoma
Louisiana (Louisiana State University Hospital) - Leiomyoma, focally hyalinized
Maryland, Baltimore - Genital leiomyoma
Maryland (Johns Hopkins Hospital Residents) - Angiomyoma (vascular leiomyoma) (8); Aggressive angiomyoma (3); Angiomyofibroblastoma (2); Leiomyoma (1)
Maryland, Bethesda - Myxoid leiomyoma
Maryland (University of Maryland) - Leiomyoma
Massachusetts (Berkshire Medical Center) - Leiomyoma
Massachusetts (Brigham & Women's Residents/Fellows) - Well-differentiated smooth muscle tumor, leiomyoma vs. leiomyosarcoma
Massachusetts (New England Medical Center Residents) - Angiomyxoma
Michigan (Oakwood Hospital) - Myxoid leiomyoma
Nebraska (Creighton University School of Medicine Residents) - Aggressive angiomyxoma
New Jersey (Overlook Hospital) - Myxoid angiomyoma (1); Vascular leiomyoma (1)
New York (Long Island Jewish Medical Center) - Angiomyoma
New York (Stony Brook University Hospital Residents) - Angiomyofibroblastoma
North Carolina (St. Joseph Hospital) - Leiomyoma (2); Myxoid leiomyoma (1); Leiomyoma (? benign metastasis) (1); Leiomyoma (edematous, not myxoid) (1)
Pennsylvania (Allegheny General Hospital) - Myxoid leiomyoma
Pennsylvania (Lehigh Valley Hospital) - Angioleiomyoma
Pennsylvania (Memorial Medical Center Residents) - Leiomyoma
Puerto Rico (University of Puerto Rico) - Leiomyoma
Texas, Lubbock - Leiomyoma
Texas (Propath Services) - Leiomyoma (2)
Texas (Scott & White Memorial Hospital) - Aggressive angiomyxoma
Texas, Victoria - Angiomyxoma, probably aggressive, left groin
Washington, Steilacom - Leiomyoma
Washington, DC (Georgetown University Hospital) - Vascular leiomyoma
West Virginia (Greenbrier Valley Medical Center) - Plexiform fibrous histiocytoma
Wisconsin, Madison - Leiomyoma
Wisconsin (Meriter Health Services) - Angiomyofibroblastoma
Wisconsin, Milwaukee - Angiomyofibroblastoma
Australia (North Queensland Pathology) - Leiomyoma of soft tissue
Australia (Royal Prince Alfred Hospital) - Aggressive angiomyxoma
Canada (Foothills Medical Center) - Aggressive angiomyxoma
Chile (University of Chile) - Leiomyoma
Japan (Self Defense Hospital) - Angiomyoma
Japan, Shimada City - Leiomyoma
Japan (Yamanashi Medical University) - Leiomyoma (2); Cutaneous myxoma (1); Aggressive angiomyxoma (1)
Saudi Arabia (King Khalid University Hospital Study Group) - Leiomyoma (vascular with myxoid areas)

Case 6 - Diagnosis:

Myxoid vascular leiomyoma ("angiomyoma"), groin
T-Y7000, M-88900

Case 6 - References:

Kilpatrick SE, Mentzel T and Fletcher CD. Leiomyoma of Deep Soft Tissue. Clinicopathologic Analysis of a Series. *Am J Surg Pathol* 1994; 18(6):576-582.

Fletcher CD, Kilpatrick SE and Mentzel T. The Difficulty in Predicting Behavior of Smooth-Muscle Tumors in Deep Soft Tissue. *Am J Surg Pathol* 1995; 19(1):116-117.

Tao LC and Davidson DD. Aspiration Biopsy Cytology of Smooth Muscle Tumors. A Cytologic Approach to the Differentiation Between Leiomyosarcoma and Leiomyoma. *Acta Cytol* 1993; 37(3):300-308.

Bardi G, Johansson B, Pandis N, et al. Recurrent Chromosome Aberrations in Abdominal Smooth Muscle Tumors. *Cancer Genet Cytogenet* 1992; 62(1):43-46.

Billings SD, Folpe Al and Weiss SW. Do Leiomyomas of Deep Soft Tissue Exist? An Analysis of Highly Differentiated Smooth Muscle Tumors of Deep Soft Tissue Supporting Two Distinct Subtypes. *Am J Surg Pathol* 2001; 1134-1142.

Case No. 7, Accession No. 29154 March 2002

Bakersfield - Poorly differentiated carcinoma

Bay Area - Lymphoepithelial carcinoma (1); Metastatic poorly differentiated carcinoma (1); Metastatic carcinoma possibly from one nasopharynx, lymphoepithelial type (1)

Hayward/Fremont - Carcinoma ex mixed tumor vs. metastatic nasopharyngeal carcinoma

Long Beach (Lakewood Regional Medical Center) - Undifferentiated carcinoma (5)

Monterey (Community Hospital of Monterey Peninsula) - Lymphoepithelial carcinoma

Monterey Park (Garfield Medical Center) - Lymphoepithelioma, high grade

Oakland (Kaiser Permanente) - Mucoepidermoid carcinoma (5)

Orange (UCI Medical Center Residents) - Lymphoepithelial carcinoma

Riverside (Kaiser Permanente) - Lymphoepithelial carcinoma

Riverside/Moreno Valley - Carcinoma (large cell undifferentiated) (1); Lymphoepithelial carcinoma, parotid gland (1)

Sacramento (UC Davis Medical Center) - Lymphoepithelioma-like carcinoma

San Diego (Naval Medical Center) - Metastatic mucoepidermoid carcinoma in an intraparotid lymph node (1); Metastatic nasopharyngeal carcinoma (1); Metastatic poorly differentiated carcinoma with mucin cells ? mucoepidermoid carcinoma (1)

Santa Barbara (Cottage Hospital) - Metastatic carcinoma, probably poorly differentiated squamous cell

Santa Rosa (Santa Rosa Memorial Hospital) - Lymphoepithelioma-like carcinoma (2)

Tustin - Malignant lymphoepithelial lesion

Ventura - Lymphoepithelial carcinoma (2); LN with metastatic undifferentiated carcinoma (1)

Alabama (BMC Princeton) - Metastatic poorly differentiated squamous cell carcinoma

Arkansas (UAMS) - Mucoepidermoid carcinoma, high grade

Delaware (Christiana Hospital) - Metastatic carcinoma

Florida (Baptist Medical Center) - Poorly differentiated mucoepidermoid carcinoma (1); Mucoepidermoid carcinoma, high grade (1); Poorly differentiated with glandular features (1); Mucoepidermoid carcinoma (1); Acinar adenocarcinoma (1)

Florida (Munroe Regional Medical Center) - Lymphoepithelial carcinoma

Florida (Pathology Associates) - Poorly differentiated adenocarcinoma

Florida (Winter Haven Hospital) - Lymphoepithelioid carcinoma (1); Malignant lymphoepithelial malignancy (1)

Illinois, Chicago - Lymphoepithelioma-like carcinoma

Illinois (Evanston Hospital) - Lymphoepitheliomous carcinoma

Illinois (Northwestern Memorial Hospital) - Metastatic carcinoma favor acinic cell

Indiana (Fort Wayne) - Metastatic poorly differentiated carcinoma, left node, right parotid gland (origin ?)

Indiana (Howard Community Hospital) - Monomorphic adenoma, basaloid type

Louisiana (Louisiana State University Hospital) - Poorly differentiated carcinoma

Maryland, Baltimore - Basal cell adenocarcinoma

Maryland (Johns Hopkins Hospital Residents) - Lymphoepithelial-like carcinoma (15)

Maryland, Bethesda - Lymphoepithelial carcinoma

Maryland (University of Maryland) - High grade mucoepidermoid carcinoma

Massachusetts (Berkshire Medical Center) - Myoepithelioma
Massachusetts (Brigham & Women's Residents/Fellows) - Lymphoepithelioma-like carcinoma
Massachusetts (New England Medical Center Residents) - High grade mucoepidermoid carcinoma; Diff Dx: Lymphoepithelial carcinoma
Michigan (Oakwood Hospital) - Acinic cell carcinoma
Nebraska (Creighton University School of Medicine Residents) - Metastatic lymphoepithelioid carcinoma
New Jersey (Overlook Hospital) - Metastatic lymphoepithelioma (2)
New York (Long Island Jewish Medical Center) - Metastatic undifferentiated carcinoma
New York (Stony Brook University Hospital Residents) - Lymphoepithelial-like carcinoma
North Carolina (St. Joseph Hospital) - Lymphoepithelial carcinoma (3); Metastatic nasopharyngeal carcinoma vs. lymphoepithelial carcinoma (1); Metastatic tumor in lymph node, lymphoepithelioma or carcinoma
Pennsylvania (Allegheny General Hospital) - Lymphoepithelial lesion
Pennsylvania (Lehigh Valley Hospital) - Poorly differentiated, probably mucoepidermoid carcinoma
Pennsylvania (Memorial Medical Center Residents) - Malignant lymphoepithelial lesion
Puerto Rico (University of Puerto Rico) - Malignant lymphoepithelial lesion
Texas, Lubbock - Metastatic poorly differentiated carcinoma
Texas (Propath Services) - High grade mucoepidermoid carcinoma (2)
Texas (Scott & White Memorial Hospital) - Metastatic poorly differentiated carcinoma
Texas, Victoria - Lymphoepithelial carcinoma, right parotid
Washington, Steilacom - Sebaceous lymphadenoma
Washington, DC (Georgetown University Hospital) - Metastatic squamous cell carcinoma
West Virginia (Greenbrier Valley Medical Center) - Lymphoepithelial carcinoma
Wisconsin, Madison - Poorly differentiated carcinoma
Wisconsin (Meriter Health Services) - Lymphoepithelioma
Wisconsin, Milwaukee - Lymphoepithelioma-like carcinoma
Australia (North Queensland Pathology) - Lymphoepithelial carcinoma
Australia (Royal Prince Alfred Hospital) - Lymphoepithelioma carcinoma (metastatic?, nasopharyngeal carcinoma)
Canada (Foothills Medical Center) - Basal cell adenocarcinoma
Chile (University of Chile) - Poorly differentiated carcinoma
Japan (Self Defense Hospital) - Lymphoepithelial carcinoma
Japan, Shimada City - Lymphoepithelial carcinoma
Japan (Yamanashi Medical University) - High grade mucoepidermal carcinoma (1); Benign lymphoepithelial lesion (1); Lymphoepithelial carcinoma (1); Metastatic carcinoma in lymph node (1)
Saudi Arabia (King Khalid University Hospital Study Group) - Undifferentiated carcinoma

Case 7 - Diagnosis:

Metastatic poorly differentiated adenocarcinoma, possibly of acinic cell origin, lymph nodes of neck
Director's Note: Study set material was from regional lymph nodes, not the parotid gland (as the history implied), thus explaining the lymphocytic background. (drc)
T-55100, M-85503

Consultation: Lawrence Weiss, M.D., City of Hope National Medical Center. "Poorly differentiated acinic cell adenocarcinoma."

Case 7 - References:

Abrams AM, Carnyn J, Scofield MH, et al. Acinic Adenocarcinoma of the Major Salivary Glands. A Clinicopathologic Study of 77 Cases. *Cancer* 1965; 18:1145-1162.
Chaudhry AP, Culter LS, Leifer C, et al. Histogenesis of Acinic Cell Carcinoma of the Major and Minor Salivary Glands. *An Ultrastruc Study J Pathol* 1986; 148(4):307-320.
Warner TF, Seo IS, Azen EA, et al. Immunohistochemistry of Acinic Cell Carcinomas and Mixed Tumors of Salivary Glands. *Cancer* 1985; 56(9):2221-2227.
El-Naggar AK, Batsakis JG, Luna MA, et al. DNA Flow Cytometry of Acinic Cell Carcinomas of Major Salivary Glands. *J Laryngol Otol* 1990; 104(5):410-416.
Hamper K, Mausch HE and Caselitz J. Acinic Cell Carcinoma of the Salivary Glands. The Prognostic Relevance of DNA Cytophotometry in a Retrospective Study of Long Duration (1965-1987). *Oral Surg Oral Med Oral Pathol* 1990; 69(1):68-75.

Bakersfield - Well-differentiated liposarcoma
Bay Area - Hibernoma (3)
Hayward/Fremont - Hibernoma
Long Beach (Lakewood Regional Medical Center) - Hibernoma (5)
Monterey (Community Hospital of Monterey Peninsula) - Hibernoma
Monterey Park (Garfield Medical Center) - Hibernoma
Oakland (Kaiser Permanente) - Hibernoma (5)
Orange (UCI Medical Center Residents) - Hibernoma
Riverside (Kaiser Permanente) - Hibernoma
Riverside/Moreno Valley - Hibernoma (2)
Sacramento (UC Davis Medical Center) - Hibernoma
San Diego (Naval Medical Center) - Hibernoma (2)
Santa Barbara (Cottage Hospital) - Hibernoma
Santa Rosa (Santa Rosa Memorial Hospital) - Hibernoma (2)
Tustin - Hibernoma
Ventura - Hibernoma (3)
Alabama (BMC Princeton) - Hibernoma
Arkansas (UAMS) - Hibernoma
Delaware (Christiana Hospital) - Hibernoma
Florida (Baptist Medical Center) - Hibernoma (5)
Florida (Munroe Regional Medical Center) - Hibernoma
Florida (Pathology Associates) - Hibernoma
Florida (Winter Haven Hospital) - Hibernoma (1); Liposarcoma (1)
Illinois, Chicago - Hibernoma
Illinois (Evanston Hospital) - Hibernoma
Illinois (Northwestern Memorial Hospital) - Hibernoma
Indiana (Fort Wayne) - Hibernoma, right leg (soft tissue)
Indiana (Howard Community Hospital) - Hibernoma
Louisiana (Louisiana State University Hospital) - Hibernoma
Maryland, Baltimore - Hibernoma
Maryland (Johns Hopkins Hospital Residents) - Hibernoma (15)
Maryland, Bethesda - Hibernoma
Maryland (University of Maryland) - Hibernoma
Massachusetts (Berkshire Medical Center) - Hibernoma
Massachusetts (Brigham & Women's Residents/Fellows) - Hibernoma
Massachusetts (New England Medical Center Residents) - Hibernoma
Michigan (Oakwood Hospital) - Hibernoma
Nebraska (Creighton University School of Medicine Residents) - Hibernoma
New Jersey (Overlook Hospital) - Hibernoma (2)
New York (Long Island Jewish Medical Center) - Hibernoma
New York (Stony Brook University Hospital Residents) - Hibernoma
North Carolina (St. Joseph Hospital) - Hibernoma (5)
Pennsylvania (Allegheny General Hospital) - Hibernoma
Pennsylvania (Lehigh Valley Hospital) - Hibernoma
Pennsylvania (Memorial Medical Center Residents) - Brown fat tumor (hibernoma)
Puerto Rico (University of Puerto Rico) - Hibernoma
Texas, Lubbock - Hibernoma
Texas (Propath Services) - Hibernoma (2)
Texas (Scott & White Memorial Hospital) - Hibernoma
Texas, Victoria - Hibernoma, right leg
Washington, Steilacom - Hibernoma

Washington, DC (Georgetown University Hospital) - Hibernoma
West Virginia (Greenbrier Valley Medical Center) - Hibernoma
Wisconsin, Madison - Hibernoma
Wisconsin (Meriter Health Services) - Hibernoma
Wisconsin, Milwaukee - Hibernoma
Australia (North Queensland Pathology) - Hibernoma
Australia (Royal Prince Alfred Hospital) - Hibernoma (brown fat)
Canada (Foothills Medical Center) - Hibernoma
Chile (University of Chile) - Hibernoma
Japan (Self Defense Hospital) - Hibernoma
Japan, Shimada City - Hibernoma
Japan (Yamanashi Medical University) - Hibernoma (4)
Saudi Arabia (King Khalid University Hospital Study Group) - Hibernoma

Case 8 - Diagnosis:

Hibernoma, leg
T-Y9400, M-88800

Case 8 - References:

Hull D. The Structure and Function of Brown Adipose Tissue. *Br Med Bull* 1966; 22(1):92-96.
Merlino AF and Pike RF. Hibernoma of the Thigh. A Case Report. *J Bone Joint Surg* 1973;55(2):406-408.
Seemayer TA, Knaack J, Wang NS, et al. On the Ultrastructure of Hibernoma. *Cancer* 1975; 36(5):1785-1793.
Furlong MA, Fanburg-Smith and Miettinen M. The Morphologic Spectrum of Hibernoma. A Clinicopathologic Study of 170 Cases. *Am J Surg Pathol* 2001; 25(6):809-814.
Gisselsson D, Hoglund M, Mertens F, et al. Hibernomas are Characterized by Homozygous Deletions in the Multiple Endocrine Neoplasia Type I Region. Metaphase Fluorescence In Situ Hybridization Reveals Complex Rearrangements Not Detected by Conventional Cytogenetics. *Am J Pathol* 1999; 155(1):61-66.

Case No. 9, Accession No. 29370 March 2002

Bakersfield - Adenocarcinoma of gallbladder
Bay Area - Adenocarcinoma (3)
Hayward/Fremont - Metaplastic carcinoma, gallbladder
Long Beach (Lakewood Regional Medical Center) - Adenocarcinoma (5)
Monterey (Community Hospital of Monterey Peninsula) - Adenocarcinoma of gallbladder
Monterey Park (Garfield Medical Center) - Sclerosing adenocarcinoma
Oakland (Kaiser Permanente) - Poorly differentiated adenocarcinoma (5)
Orange (UCI Medical Center Residents) - Carcinoma in-situ
Riverside (Kaiser Permanente) - Adenocarcinoma of gallbladder
Riverside/Moreno Valley - Papillary adenocarcinoma (1); Adenocarcinoma, gallbladder (1)
Sacramento (UC Davis Medical Center) - Adenocarcinoma, bladder
San Diego (Naval Medical Center) - Well to moderately differentiated adenocarcinoma of the gallbladder (1); Adenocarcinoma of gallbladder (1)
Santa Barbara (Cottage Hospital) - Adenocarcinoma of gallbladder, invasive and in-situ
Santa Rosa (Santa Rosa Memorial Hospital) - Adenocarcinoma of the gallbladder (2)
Tustin - Adenocarcinoma, gallbladder
Ventura - Invasive adenocarcinoma of gallbladder (2); Infiltrating adenocarcinoma (1)
Alabama (BMC Princeton) - Adenocarcinoma in-situ of gallbladder
Arkansas (UAMS) - Adenocarcinoma arising in villous adenoma, gallbladder
Delaware (Christiana Hospital) - Adenocarcinoma of the gallbladder
Florida (Baptist Medical Center) - In-situ adenocarcinoma (1); Carcinoma in-situ of gallbladder (1); Severe dysplasia/carcinoma in-situ in goblet cell metaplasia (1); Dysplasia/adenocarcinoma in-situ (1); Carcinosarcoma (1)
Florida (Munroe Regional Medical Center) - Adenocarcinoma intramucosal
Florida (Pathology Associates) - Poorly differentiated adenocarcinoma

Florida (Winter Haven Hospital) - Adenocarcinoma (1); Papillary adenocarcinoma (1)
Illinois, Chicago - Adenocarcinoma of gallbladder
Illinois (Evanston Hospital) - Adenocarcinoma
Illinois (Northwestern Memorial Hospital) - Adenocarcinoma
Indiana (Fort Wayne) - Invasive grade 2 adenocarcinoma, gallbladder
Indiana (Howard Community Hospital) - Primary adenocarcinoma or gallbladder
Louisiana (Louisiana State University Hospital) - Gallbladder, adenocarcinoma, invasive
Maryland, Baltimore - Adenocarcinoma of the gallbladder
Maryland (Johns Hopkins Hospital Residents) - Moderately differentiated adenocarcinoma, gallbladder primary (15)
Maryland, Bethesda - Moderately differentiated adenocarcinoma of the gallbladder
Maryland (University of Maryland) - Adenocarcinoma
Massachusetts (Berkshire Medical Center) - Adenocarcinoma of gallbladder
Massachusetts (Brigham & Women's Residents/Fellows) - Moderately differentiated adenocarcinoma of the gallbladder arising in association with epithelial dysplasia
Massachusetts (New England Medical Center Residents) - Invasive adenocarcinoma of the gallbladder
Michigan (Oakwood Hospital) - Invasive adenocarcinoma
Nebraska (Creighton University School of Medicine Residents) - Invasive adenocarcinoma, gallbladder
New Jersey (Overlook Hospital) - In-situ and invasive adenocarcinoma (2)
New York (Long Island Jewish Medical Center) - Gallbladder, adenocarcinoma
New York (Stony Brook University Hospital Residents) - Adenocarcinoma
North Carolina (St. Joseph Hospital) - Moderately to poorly differentiated invasive adenocarcinoma (1); Poorly differentiated adenocarcinoma (1) Adenocarcinoma, gallbladder (2)
Pennsylvania (Allegheny General Hospital) - In-situ carcinoma with early superficial invasion
Pennsylvania (Lehigh Valley Hospital) - Adenocarcinoma of gallbladder
Pennsylvania (Memorial Medical Center Residents) - Papillary adenocarcinoma, gallbladder
Puerto Rico (University of Puerto Rico) - Adenocarcinoma of gallbladder
Texas, Lubbock - Carcinoma in-situ
Texas (Propath Services) - Invasive adenocarcinoma of gallbladder
Texas (Scott & White Memorial Hospital) - Poorly differentiated adenocarcinoma
Texas, Victoria - Adenocarcinoma, poorly differentiated invasive, gallbladder
Washington, Steilacom - Adenocarcinoma of gallbladder
Washington, DC (Georgetown University Hospital) - Invasive adenocarcinoma of gallbladder
West Virginia (Greenbrier Valley Medical Center) - Adenocarcinoma, NOS
Wisconsin, Madison - Adenocarcinoma, gallbladder
Wisconsin (Meriter Health Services) - Adenocarcinoma, grade 2, invasive
Wisconsin, Milwaukee - Adenocarcinoma of gallbladder
Australia (North Queensland Pathology) - Invasive adenocarcinoma of gallbladder
Australia (Royal Prince Alfred Hospital) - Moderately differentiated adenocarcinoma
Canada (Foothills Medical Center) - Adenocarcinoma of gallbladder
Chile (University of Chile) - Invasive and in-situ adenocarcinoma, gallbladder
Japan (Self Defense Hospital) - Adenocarcinoma
Japan, Shimada City - Invasive adenocarcinoma
Japan (Yamanashi Medical University) - Adenocarcinoma in-situ
Saudi Arabia (King Khalid University Hospital Study Group) - Adenocarcinoma

Case 9 - Diagnosis:

Invasive adenocarcinoma, gallbladder
T-57000, M-81403

Case 9 - References:

Albores-Saavedra J, Alcantra-Vazquez A, Cruz-Ortiz H, et al. The Precursor Lesions of Invasive Gallbladder Carcinoma. Hyperplasia, Atypical Hyperplasia and Carcinoma In-Situ. *Cancer* 1980; 45(5):919-927.
Sumiyoshi K, Nagai E, Chijiiwa K, et al. Pathology of Carcinoma of the Gallbladder. *World J Surg* 1991; 15(3):315-321.
Yamaguchi K and Enjoji M. Carcinoma of the Gallbladder. A Clinicopathology of 103 Patients and a Newly Proposed Staging. *Cancer* 1988; 62(7):1425-1432.

North JH, Pack MS, Hong C, et al. Prognostic Factors for Adenocarcinoma of the Gallbladder. An Analysis of 162 Cases. *Am Surg* 1998; 64(5):437-440.
Pandey M, Pathak AK, Gautam A, et al. Carcinoma of the Gallbladder. A Retrospective Review of 99 Cases. *Dig Dis Sci* 2001; 46(6):1145-1151.

Case No. 10, Accession No. 29293 March 2001

Bakersfield - Chondrosarcoma
Bay Area - Chondrosarcoma, low grade (3)
Hayward/Fremont - Chondrosarcoma, grade I, need x-rays
Long Beach (Lakewood Regional Medical Center) - Low grade chondrosarcoma (5)
Monterey (Community Hospital of Monterey Peninsula) - Chondrosarcoma
Monterey Park (Garfield Medical Center) - Chondrosarcoma, intermediate grade
Oakland (Kaiser Permanente) - Low grade chondrosarcoma (5)
Orange (UCI Medical Center Residents) - Chondrosarcoma, grade II
Riverside (Kaiser Permanente) - Low grade chondrosarcoma
Riverside/Moreno Valley - Low grade chondrosarcoma (1); Chondrosarcoma, grade I, low grade (1)
Sacramento (UC Davis Medical Center) - Chondrosarcoma
San Diego (Naval Medical Center) - Grade 2, chondrosarcoma (1); Chondroblastic osteosarcoma (1)
Santa Barbara (Cottage Hospital) - Chondrosarcoma, grade I
Santa Rosa (Santa Rosa Memorial Hospital) - Well-differentiated chondrosarcoma (2)
Tustin - Chondrosarcoma, well-differentiated
Ventura - Chondrosarcoma, grade I (3)
Alabama (BMC Princeton) - Low grade chondrosarcoma
Arkansas (UAMS) - Chondrosarcoma
Delaware (Christiana Hospital) - Chondrosarcoma
Florida (Baptist Medical Center) - Well-differentiated chondrosarcoma (2); Chondrosarcoma (3)
Florida (Munroe Regional Medical Center) - Chondrosarcoma
Florida (Pathology Associates) - Low grade chondrosarcoma
Florida (Winter Haven Hospital) - Chondrosarcoma (2)
Illinois, Chicago - Chondrosarcoma
Illinois (Evanston Hospital) - Chondrosarcoma
Illinois (Northwestern Memorial Hospital) - Chondrosarcoma
Indiana (Fort Wayne) - Well-differentiated chondrosarcoma, grade I, right distal femur
Indiana (Howard Community Hospital) - Chondrosarcoma
Louisiana (Louisiana State University Hospital) - Chondrosarcoma, low grade
Maryland, Baltimore - Chondrosarcoma
Maryland (Johns Hopkins Hospital Residents) - Chondrosarcoma (15)
Maryland, Bethesda - Chondrosarcoma, grade II
Maryland (University of Maryland) - Grade II, chondrosarcoma
Massachusetts (Berkshire Medical Center) - Chondrosarcoma, grade II of III
Massachusetts (Brigham & Women's Residents/Fellows) - Conventional chondrosarcoma, grade II
Massachusetts (New England Medical Center Residents) - Chondrosarcoma, well-differentiated
Michigan (Oakwood Hospital) - Chondrosarcoma, low grade
Nebraska (Creighton University School of Medicine Residents) - Chondrosarcoma
New Jersey (Overlook Hospital) - Grade I, chondrosarcoma (2)
New York (Long Island Jewish Medical Center) - Chondrosarcoma, grade II
New York (Stony Brook University Hospital Residents) - Chondrosarcoma, well-differentiated
North Carolina (St. Joseph Hospital) - Grade I, chondrosarcoma (2); Well-differentiated chondrosarcoma (3)
Pennsylvania (Allegheny General Hospital) - Well-differentiated chondrosarcoma
Pennsylvania (Lehigh Valley Hospital) - Well-differentiated chondrosarcoma
Pennsylvania (Memorial Medical Center Residents) - Chondrosarcoma

Puerto Rico (University of Puerto Rico) - Chondrosarcoma, grade I
Texas, Lubbock - Grade II, chondrosarcoma
Texas (Propath Services) - Well-differentiated chondrosarcoma (2)
Texas (Scott & White Memorial Hospital) - Chondrosarcoma
Texas, Victoria - Chondrosarcoma, low grade, distal femur
Washington, Steilacom - Chondrosarcoma
Washington, DC (Georgetown University Hospital) - Low grade chondrosarcoma
West Virginia (Greenbrier Valley Medical Center) - Chondrosarcoma, low-grade
Wisconsin, Madison - Low grade chondrosarcoma
Wisconsin (Meriter Health Services) - Chondrosarcoma, low grade
Wisconsin, Milwaukee - Chondrosarcoma
Australia (North Queensland Pathology) - Grade I, chondrosarcoma
Australia (Royal Prince Alfred Hospital) - Low grade chondrosarcoma
Canada (Foothills Medical Center) - Grade 2, chondrosarcoma
Chile (University of Chile) - Chondrosarcoma, well-differentiated
Japan (Self Defense Hospital) - Chondrosarcoma
Japan, Shimada City - Juxtacortical chondrosarcoma
Japan (Yamanashi Medical University) - Low grade chondrosarcoma (4)
Saudi Arabia (King Khalid University Hospital Study Group) - Chondrosarcoma

Case 10 - Diagnosis:

Chondrosarcoma, femur
T-11710, M-92203

Case 10 - References:

Palmer SH, Gibbons CL and Athanasou NA. The Pathology of Bone Allograft. *J Bone Joint Surg Br* 1999; 81(2):333-335.
Lee FY, Mankin HJ, Fondren G, et al. Chondrosarcoma of Bone. An Assessment of Outcome. *J Bone Joint Surg Am* 1999; 81(3):326-338.
Malawer MM and Chou LB. Prosthetic Survival and Clinical Results with Use of Large-Segment Replacements in the Treatment of High-Grade Bone Sarcomas. *J Bone Joint Surg Am* 1995; 77(8):1154-1165.
Bommer KK, Ramzy I and Mody D. Fine-Needle Aspiration Biopsy in the Diagnosis and Management of Bone Lesions. A Study of 450 Cases. *Cancer* 1997; 81(3):148-156.
Rizzo M, Ghert MA, Harrelson JM, et al. Chondrosarcoma of Bone. Analysis of 108 Cases and Evaluation of Predictors of Outcome. *Clin Orthop* 2001; 224-233.