

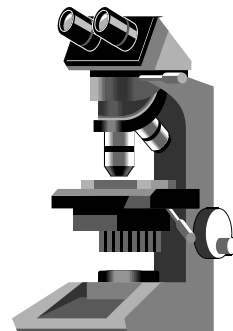


CALIFORNIA
TUMOR TISSUE REGISTRY

GENERAL PATHOLOGY

Minutes – Subscription A

May, 2005



SUGGESTED READING (General Topics from Recent Literature):

- Diagnostic Accuracy of Second-Opinion Diagnoses Based on Still Images. Nordrum I, Johansen M, Amin A, et al. *Hum Pathol* 2004; 35(1):129-135.
- Proliferative Activity in Primary Breast Carcinomas is a Salient Prognostic Factor. Michels J-J, Marnay J, Delozier T, et al. *Cancer* 2004; 100(3):455-464.
- Laparoscopic Surgical Staging in Cervical Cancer. Chu KK, Chang S-D, Chen FP, et al. Preliminary Experience Among Chinese. *Gynecol Oncol* 1997; 64(1):49-53.
- Telomerase Activity in Gynecologic Tumors. Zheng P-S, Iwasaka T, Yanasaki F, et al. *Gynecol Oncol* 1997; 64(1):171-175.
- Primer on Medical Genomics. Part X1: Visualizing Human Chromosomes. Spurbeck JL, Adams SA, Stupca PJ, et al. *Mayo Clin Proc* 2004; 79:58-75.

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FILE DIAGNOSES

CTTR Subscription A

May, 2005

Case 1:

Juvenile polyp with focal low grade dysplasia, colon
T-67000, M-75640

Case 2:

Phyllodes tumor, low grade, breast
T-04000, M-90213

Case 3:

Phyllodes tumor, malignant, breast
T-04000, M-90213

Case 4:

Ovarian fibroma/fibroma with changes likely due to torsion
T-87000, M-86000

Case 5:

Acinic cell carcinoma, low grade, parotid gland
T-55100, M-85501

Case 6:

Epithelial leiomyosarcoma, low grade, pelvis and retroperitoneum
T-Y4600, M-88913

Case 7:

High grade mesothelioma, peritoneum
T-87000, M-90503

Case 8:

Synovial sarcoma, biphasic knee
T-78000, M-88900

Case 9:

Leiomyoma, paratesticular/scrotal
T-78000, M-88900

Case 10:

Low grade chondrosarcoma, sternum
T-78000, M-88900

Alameda (Alameda County Medical Center) - Tubulovillous adenoma
Baldwin Park (Kaiser Permanente) - Peutz-Jegher polyp (3)
Fontana (Kaiser Permanente) - Juvenile polyp
Glendale - Villoglandular adenoma
Irvine (University of California Residents) - Tubular adenoma with features of prolapse
Long Beach - Hamartomatous polyp (Peutz-Jeghers) (7)
Monterey Park (Monterey Peninsula Residents) - Benign hyperplastic polyp (1); Tubular adenoma (1)
Sacramento (UC Davis Medical Center Residents) - Tubular adenoma
San Diego (Naval Medical Center) - Juvenile polyp with adenomatous change
San Francisco (San Francisco General Hospital) - Peutz-Jeghers polyp
Santa Barbara (Cottage Hospital) - Tubulovillous adenoma
Santa Rosa (Santa Rosa Memorial Hospital) - Peutz-Jeghers polyp (3)
Ventura - Villoglandular adenoma
Arizona (Maryvale Medical Center) - Peutz-Jeghers polyp, colon
Colorado, Evergreen - Peutz-Jegher polyp
Colorado (Lutheran Medical Center) - Juvenile polyp
Connecticut - Tubular adenoma with pseudoinvasion
Florida (Baptist Pathology) - Hamartomatous polyp with moderate dysplasia
Florida (Winter Haven Hospital) - Tubular adenoma
Illinois, Burr Ridge - Juvenile polyp
Indiana (Ball Memorial Hospital) - Juvenile polyp
Indiana (Howard Community Hospital) - Cronkite-canada polyp
Louisiana (Louisiana State University Health Science Center) - Tubular adenoma
Maryland (National Naval Medical Center) - Tubular adenoma (10); Juvenile Polyp (1)
Maryland (University of Maryland Residents) - Juvenile polyp
Massachusetts (New England Medical Center) - Juvenile polyp
Michigan (Oakwood Hospital) - Juvenile polyp
Minnesota (Fairview Ridges Hospital) - Juvenile polyp
Nebraska (Creighton University School of Medicine) - Juvenile (retention) polyp
New York (Presbyterian/Weill Cornell Campus) - Adenomatous polyp (tubular adenoma)
New York (Stony Brook University Hospital Residents) - Peutz-Jeghers, syndrome
North Carolina (Mountain Area Pathology) - Tubular adenoma (5)
Ohio (McCullough Hyde Memorial Hospital) - Juvenile polyp
Ohio (Medical College of Ohio) - Tubulovillous adenoma
Ohio (Valley Pathologists, Inc.) - Adenoma (1); Tubular adenoma (1); Tubulovillous adenoma (1)
Pennsylvania (Conemaugh Memorial Medical Center) - Juvenile polyp with dysplasia
Pennsylvania (Lehigh Valley Hospital) - Juvenile polyp
Pennsylvania (Mt. Nittany Medical Center) - Peutz-Jeghers polyp with low-grade dysplasia, colon
Pennsylvania (Pennsylvania Hospital Pathology Residents) - Juvenile polyp
Puerto Rico (University of Puerto Rico) - Peutz-Jeghers polyp with adenomatous transformation
Texas, Lubbock - Adenomatous polyp with focal severe dysplasia
Texas (ProPath Associates) - Hamartomatous polyp of colon (2)
Texas (San Antonio) - Peutz-Jegher polyp with adenomatous change
Texas (Scott & White Memorial Hospital) - Peutz-Jegher polyp
West Virginia (Greenbrier Valley Medical Center) - Tubular adenoma
Australia (North Queensland Pathology) - Peutz-Jegher polyp
Australia (Royal Prince Alfred Hospital) - Hamartomatous polyp of Peutz-Jeghers type, dysplasia
Brazil (UNIFESP/EPM) - Intramucosal carcinoma arising in tubular adenoma
Canada (Woodstock General Hospital) - Tubular adenoma with entrapped glands, colon
Germany, Hamburg - Tubular adenoma with low-moderate dysplasia
Hong Kong (Hong Kong Baptist Hospital) - Tubular adenoma with pseudoinvasion

Italy, Naples - Peutz-Jeghers polyp
Netherlands, Amsterdam - Tubulovillous adenoma
Qatar (Hamad Medical Corporation) - Tubular adenomatous polyp

Case 1 - Diagnosis:

Juvenile polyp with focal low grade dysplasia, colon

Director's note: Note close similarity in places to a Peutz-Jegher polyp. (drc)

T-67000, M-75640

Case 1 – References:

Dajani YF and Kamal MF. Colorectal Juvenile Polyps. An Epidemiological and Histopathological Study of 144 Cases in Jordanians. *Histopathol* 1984; 8(5):765-779.

Lipper S, Kahn LB, Sandler RS, et al. Multiple Juvenile Polyposis. A Study of Pathogenesis of Juvenile Polyps and Their Relationship to Colonic Adenomas. *Hum Pathol* 1981; 12(9):804-813.

Mills SE and Fechner RE. Unusual Adenomatous Polyps in Juvenile Polyposis Coli. *Am J Surg Pathol* 1982; 6(2):177-183.

Grotsky HW, Rickert RR, Smith WD, et al. Familial Juvenile Polyposis Coli. A Clinical and Pathologic Study of a Large Kindred. *Gastroenterology* 1982; 82(3):494-501.

Jarvinen H and Franssila KO. Familial Juvenile Polyposis Coli. Increased Risk of Colorectal Cancer. *Gut* 1984; 25(7):792-800.

Goodman ZD, Yardley JH and Milligan FD. Pathogenesis of Colonic Polyps in Multiple Juvenile Polyposis. Report of a Case Associated with Gastric Polyps and Carcinoma of the Rectum. *Cancer* 1979; 43(5):1906-1913.

Case No. 2, Accession No. 29570

May 2005

Alameda (Alameda County Medical Center) - Phyllodes tumor

Baldwin Park (Kaiser Permanente) - Phyllodes tumor (1); Low grade phyllodes tumor (2)

Fontana (Kaiser Permanente) - Malignant Phyllodes tumor

Glendale - Phyllodes tumor

Irvine (University of California Residents) - Malignant Phyllodes tumor with rhabdomyoblastic tumor

Long Beach - Phyllodes tumor, malignant (7)

Monterey Park (Monterey Peninsula Residents) - Phyllodes tumor, high grade (1); Phyllodes tumor (1)

Sacramento (UC Davis Medical Center Residents) - Phyllodes tumor

San Diego (Naval Medical Center) - Juvenile fibroadenoma (giant)

San Francisco (San Francisco General Hospital) - Phyllodes tumor

Santa Barbara (Cottage Hospital) - Angiosarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Phyllodes tumor (3)

Ventura - Phyllodes tumor

Arizona (Maryvale Medical Center) - Phyllodes tumor, malignant

Colorado, Evergreen - Phyllodes tumor

Colorado (Lutheran Medical Center) - Phyllodes tumor

Connecticut - Phyllodes tumor, intermediate or borderline

Florida (Baptist Pathology) - Phyllodes tumor

Florida (Winter Haven Hospital) - Phyllodes tumor, intermediate grade

Illinois, Burr Ridge - Cystosarcoma phyllodes

Indiana (Ball Memorial Hospital) - Adenomyoepithelioma

Indiana (Howard Community Hospital) - Cellular phyllodes tumor

Louisiana (Louisiana State University Health Science Center) - Phyllodes tumor, low malignant potential

Maryland (National Naval Medical Center) - Phyllodes tumor

Maryland (University of Maryland Residents) - Juvenile (cellular) fibroadenoma

Massachusetts (New England Medical Center) - Malignant Phyllodes tumor

Michigan (Oakwood Hospital) - Phyllodes tumor

Minnesota (Fairview Ridges Hospital) - Phyllodes tumor, low grade with pseudoangiomatous stroma

Nebraska (Creighton University School of Medicine) - Phyllodes tumor, borderline

New York (Presbyterian/Weill Cornell Campus) - Phyllodes tumor (benign)
New York (Stony Brook University Hospital Residents) - Pleomorphic adenoma
North Carolina (Mountain Area Pathology) - Phyllodes tumor, low grade (4); Phyllodes tumor (1)
Ohio (McCullough Hyde Memorial Hospital) - Cystosarcoma
Ohio (Medical College of Ohio) - Low-grade malignant Phyllodes tumor (borderline Phyllodes)
Ohio (Valley Pathologists, Inc.) - Benign mesenchymal tumor (2); Myoepithelioma (1)
Pennsylvania (Conemaugh Memorial Medical Center) - Low grade Phyllodes tumor
Pennsylvania (Lehigh Valley Hospital) - Metaplastic carcinoma
Pennsylvania (Mt. Nittany Medical Center) - Amyloid tumor, breast
Pennsylvania (Pennsylvania Hospital Pathology Residents) - Adenomyoepithelioma
Puerto Rico (University of Puerto Rico) - Phyllodes tumor, benign
Texas, Lubbock - Malignant Phyllodes tumor
Texas (ProPath Associates) - Malignant Phyllodes tumor (2)
Texas (San Antonio) - Phyllodes tumor (? rhabdomyoblasts in stroma)
Texas (Scott & White Memorial Hospital) - Phyllodes tumor
West Virginia (Greenbrier Valley Medical Center) - Metaplastic carcinoma (spindle cell)
Australia (North Queensland Pathology) - Benign Phyllodes tumor
Australia (Royal Prince Alfred Hospital) - Malignant Phyllodes tumor of breast
Brazil (UNIFESP/EPM) - Borderline Phyllodes tumor (2)
Canada (Woodstock General Hospital) - Myofibroblastoma, breast (rule/out spindle cell carcinoma)
Germany, Hamburg - Pseudoangiomatous stromal hyperplasia
Hong Kong (Hong Kong Baptist Hospital) - Phyllodes tumor
Italy, Naples - Phyllodes tumor
Jamaica (University Hospital of the West Indies) - Pseudoangiomatous stromal hyperplasia, breast
Netherlands, Amsterdam - Malignant Phyllodes tumor
Qatar (Hamad Medical Corporation) - Phyllodes tumor, most probably benign

Case 2 - Diagnosis:

Phyllodes tumor, low grade, breast
 T-04000, M-90213

Case 2 - References:

Krishnamurthy S, Ashfaq R, Shin HJ, et al. Distinction of Phyllodes Tumor From Fibroadenoma. A Reappraisal of an Old Problem. *Cancer* 2000; 25; 90(6):342-349.
 Geisler DP, Boyle MJ, Malnar KF, et al. Phyllodes Tumors of the Breast. A Review of 32 Cases. *Am Surg* 2000; 66(4):360-366.
 Chhieng DC, Cangiarella JF, Waisman J, et al. Fine-Needle Aspiration Cytology of Spindle Cell Lesions of the Breast. *Cancer* 1999; 87(6):359-371.
 Kleer CG, Giordano TJ, Braun T, et al. Pathologic, Immunohistochemical, and Molecular Features of Benign and Malignant Phyllodes Tumors of the Breast. *Mod Pathol* 2001; 14(3):185-190.

Case No. 3, Accession No. 29803

May 2005

Alameda (Alameda County Medical Center) - Sarcoma (pending special stains)
Baldwin Park (Kaiser Permanente) - Phyllodes tumor, malignant (3)
Fontana (Kaiser Permanente) - Sarcoma
Glendale - High-grade Phyllodes tumor
Irvine (University of California Residents) - Metaplastic carcinoma/Phyllodes tumor
Long Beach - Phyllodes tumor, malignant (7)
Monterey Park (Monterey Peninsula Residents) - Low grade stroma sarcoma (1); Sarcoma, ? muscle vs. vascular (1)
Sacramento (UC Davis Medical Center Residents) - Giant fibroadenoma
San Diego (Naval Medical Center) - Adenomyoepithelioma
San Francisco (San Francisco General Hospital) - Borderline Phyllodes tumor
Santa Barbara (Cottage Hospital) - Malignant neoplasm; sarcoma vs. metaplastic carcinoma

Santa Rosa (Santa Rosa Memorial Hospital) - Stromal tumor of breast, probably malignant (1); Phyllodes tumor, probably malignant (1); Myoepithelioma (1)

Ventura - Leiomyosarcoma

Arizona (Maryvale Medical Center) - Liposarcoma, well-differentiated, breast

Colorado, Evergreen - Fibrosarcoma

Colorado (Lutheran Medical Center) - Adenomyoepithelioma

Connecticut - Malignant Phyllodes

Florida (Baptist Pathology) - High grade sarcoma, spindle cell sarcoma vs. angiosarcoma

Florida (Winter Haven Hospital) - Phyllodes tumor, high grade

Illinois, Burr Ridge - Stromal sarcoma

Indiana (Ball Memorial Hospital) - Myoepithelial carcinoma

Indiana (Howard Community Hospital) - Fibrosarcoma

Louisiana (Louisiana State University Health Science Center) - Leiomyosarcoma

Maryland (National Naval Medical Center) - Leiomyosarcoma (5); Angiosarcoma (6)

Maryland (University of Maryland Residents) - Phyllodes tumor

Massachusetts (New England Medical Center) - Juvenile fibroadenoma

Michigan (Oakwood Hospital) - Fibrosarcoma (rule out metaplastic carcinoma)

Nebraska (Creighton University School of Medicine) - High grade sarcoma

New York (Presbyterian/Weill Cornell Campus) - Myofibroblastic tumor

New York (Stony Brook University Hospital Residents) - Myofibroblastoma

North Carolina (Mountain Area Pathology) - Phyllodes tumor, malignant (2); Phyllodes tumor, low grade malignant (1); Phyllodes tumor, malignant potential uncertain (1); Adenomyoepithelioma vs. Phyllodes tumor (1)

Ohio (McCullough Hyde Memorial Hospital) - Low grade sarcoma

Ohio (Medical College of Ohio) - Low-grade fibrosarcoma

Ohio (Valley Pathologists, Inc.) - Leiomyosarcoma (3)

Pennsylvania (Conemaugh Memorial Medical Center) - Fibrosarcoma, high grade

Pennsylvania (Lehigh Valley Hospital) - Leiomyosarcoma

Pennsylvania (Mt. Nittany Medical Center) - Myofibroblastoma, breast

Pennsylvania (Pennsylvania Hospital Pathology Residents) - Nodular fasciitis

Puerto Rico (University of Puerto Rico) - Spindle cell sarcoma

Texas, Lubbock - Nodular fasciitis

Texas (ProPath Associates) - Fibrosarcoma (2)

Texas (San Antonio) - Malignant spindle cell neoplasm (favor spindle cell carcinoma)

Texas (Scott & White Memorial Hospital) - Malignant Phyllodes tumor

West Virginia (Greenbrier Valley Medical Center) - Sarcoma, NOS

Australia (North Queensland Pathology) - Malignant Phyllodes tumor

Australia (Royal Prince Alfred Hospital) - Malignant Phyllodes tumor of breast

Brazil (UNIFESP/EPM) - Malignant Phyllodes tumor (2)

Canada (Woodstock General Hospital) - Sarcoma, breast (r/o spindle cell carcinoma and Phyllodes tumor)

Germany, Hamburg - Myoepithelial carcinoma

Hong Kong (Hong Kong Baptist Hospital) - Spindle cell sarcoma

Italy, Naples - Solitary fibrous tumor

Jamaica (University Hospital of the West Indies) - Myofibroblastoma, breast

Netherlands, Amsterdam - Benign Phyllodes tumor

Qatar (Hamad Medical Corporation) - Phyllodes tumor, malignant

Case 3 - Diagnosis:

Phyllodes tumor, malignant, breast

Directors note: This case also probably fits into the spectrum of periductal stromal sarcoma. (drc)

T-04000, M-90213

Case 3 - References:

- Burga AM and Tavassoli FA. Periductal Stromal Tumor. A Rare Lesion with Low-Grade Sarcomatous Behavior. *Am J Surg Pathol* 2003; 27(3):343-348.
- Asoglu O, Ugurlu MM, Blanchard K, et al. Risk Factors for Recurrence and Death After Primary Surgical Treatment of Malignant Phyllodes Tumors. *Ann Surg Oncol* 2004; 11(11):1011-1017.
- Vladescu T, Klijanienko J, Caillaud JM, et al. Fine-Needle Sampling in Malignant Phyllodes Tumors. Clinicopathologic Study of 22 Cases Seen at the Institut Curie. *Diagn Cytopathol* 2004; 31(2):71-76.
- Guerrero MA, Ballard BR and Grau AM. Malignant Phyllodes Tumor of the Breast. Review of the Literature and Case Report of Stromal Overgrowth. *Surg Oncol* 2003; 12(1):27-37.

Alameda (Alameda County Medical Center) - Thecoma
Baldwin Park (Kaiser Permanente) - Granulosa cell tumor (3)
Fontana (Kaiser Permanente) - Fibroma
Glendale - Fibrothecoma
Irvine (University of California Residents) - Massive ovarian edema with torsion
Long Beach - Ovarian stromal tumor (Leydig's cell?) (7)
Monterey Park (Monterey Peninsula Residents) - Theca-Lutein cyst (1); Granulosa cell tumor (1)
Sacramento (UC Davis Medical Center Residents) - Sertoli-Leydig cell tumor
San Diego (Naval Medical Center) - Sclerosing stromal tumor
San Francisco (San Francisco General Hospital) - Sclerosing stromal tumor
Santa Barbara (Cottage Hospital) - Probable stromal tumor, favor benign
Santa Rosa (Santa Rosa Memorial Hospital) - Stromal tumor of ovary with necrosis (1); Necrosing stromal tumor, NOS (1); Ovarian thecoma with edema and necrosis-? torsion effect (1)
Ventura - Malignant thecoma
Arizona (Maryvale Medical Center) - Krukenberg tumor
Colorado, Evergreen - Inflammatory myofibroblastoma
Colorado (Lutheran Medical Center) - Adult granulosa cell tumor
Connecticut - Ovarian stromal tumor
Florida (Baptist Pathology) - Stromal luteoma
Florida (Winter Haven Hospital) - Infarcted granulosa cell tumor
Illinois, Burr Ridge - Thecoma
Indiana (Ball Memorial Hospital) - Hyperreactio luteinalis
Indiana (Howard Community Hospital) - Ovarian myxoma
Louisiana (Louisiana State University Health Science Center) - Granulosa cell tumor
Maryland (National Naval Medical Center) - Thecoma
Maryland (University of Maryland Residents) - Fibrothecoma with infarction
Massachusetts (New England Medical Center) - Fibrothecoma consistent with ovarian torsion
Michigan (Oakwood Hospital) - Granulosa cell tumor
Minnesota (Fairview Ridges Hospital) - Sex-cord stromal tumor vs. metastatic melanoma
Nebraska (Creighton University School of Medicine) - Sclerosing stromal tumor
New York (Presbyterian/Weill Cornell Campus) - Juvenile granulosa cell tumor
New York (Stony Brook University Hospital Residents) - Thecoma
North Carolina (Mountain Area Pathology) - Fibroma, infarcted (1); Fibroma with degenerative changes (1); Sex cord stromal tumor possibly Leydig-cell tumor (1); Sex cord stromal tumor, NOS consistent with necrosis (1); Thecoma (1)
Ohio (McCullough Hyde Memorial Hospital) - Granulosa cell tumor with hemorrhage
Ohio (Medical College of Ohio) - Massive ovarian edema associated with infarction
Ohio (Valley Pathologists, Inc.) - Sex cord stromal tumor (2); Granulosa cell tumor (1)
Pennsylvania (Conemaugh Memorial Medical Center) - Sclerosing stromal tumor
Pennsylvania (Lehigh Valley Hospital) - Sex cord stromal tumor
Pennsylvania (Mt. Nittany Medical Center) - Adult granulosa cell tumor, ovary
Pennsylvania (Pennsylvania Hospital Pathology Residents) - Thecoma with torsion
Puerto Rico (University of Puerto Rico) - Myxoma/inflammatory pseudotumor
Texas, Lubbock - Twisted ovary
Texas (Propath Associates) - Ovarian stromal tumor (2)
Texas (San Antonio) - ? old endometriotic cyst, ? benign stromal tumor vs. massive edema
Texas (Scott & White Memorial Hospital) - Sclerosing stromal tumor
West Virginia (Greenbrier Valley Medical Center) - Granulosa cell tumor
Australia (North Queensland Pathology) - Torted stromal tumor
Australia (Royal Prince Alfred Hospital) - Malignant sex cord stromal tumor; ? poorly differentiated Sertoli-Leydig cell tumor
Brazil (UNIFESP/EPM) - Fibrothecoma (2)
Canada (Woodstock General Hospital) - Massive edema with necrosis, ovary

Germany, Hamburg - Thecoma with infarct

Hong Kong (Hong Kong Baptist Hospital) - Stromal hyperthecosis

Italy, Naples - Fibrothecoma

Jamaica (University Hospital of the West Indies) - Infarction, ovary

Netherlands, Amsterdam - Reactive changes due to torsion? (infarction, bleeding, fibroblastic proliferation & chronic inflammation)

Qatar (Hamad Medical Corporation) - Granulosa cell tumor

Case 4 - Diagnosis:

Ovarian fibroma/fibroma with changes likely due to torsion

T-87000, M-86000

Case 4 - References:

Bozot M, Ghossain MA, Buy JN, et al. Fibrothecomas of the Ovary. CT and US Findings. *J Comput Assist Tomogr* 1993; 17(5):754-759.

Kimura I, Togashi K, Kawakami S, et al. Ovarian Torsion. CT and MR Imaging Appearances. *Radiol* 1994; 190(2):337-341.

Troiano RN, Lazzarini KM, Scoutt LM, et al. Fibroma and Fibrothecoma of the Ovary. MR Imaging Findings. *Radiol* 1997; 204(3):795-798.

Conte M, Guariglia L, Benedetti PP, et al. Ovarian Fibrothecoma. Sonographic and Histologic Findings. *Gynecol Obstet Invest* 1991; 32(1):51-54.

Case No. 5, Accession No. 29761

May 2005

Alameda (Alameda County Medical Center) - Acinic cell adenocarcinoma

Baldwin Park (Kaiser Permanente) - Acinic cell carcinoma (3)

Fontana (Kaiser Permanente) - Acinic cell carcinoma

Glendale - Acinic cell adenocarcinoma

Irvine (University of California Residents) - Acinic cell carcinoma

Long Beach - Acinic cell carcinoma (7)

Monterey Park (Monterey Peninsula Residents) - Low grade acinic cell tumor (2)

Sacramento (UC Davis Medical Center Residents) - Acinic cell adenoma

San Diego (Naval Medical Center) - Acinic cell carcinoma

San Francisco (San Francisco General Hospital) - Acinic cell carcinoma

Santa Barbara (Cottage Hospital) - Acinic cell carcinoma

Santa Rosa (Santa Rosa Memorial Hospital) - Acinic cell carcinoma (3)

Ventura - Oncocytoma

Arizona (Maryvale Medical Center) - Acinic cell adenocarcinoma

Colorado, Evergreen - Acinic cell carcinoma

Colorado (Lutheran Medical Center) - Acinic cell carcinoma

Connecticut - Acinic cell carcinoma

Florida (Baptist Pathology) - Acinic cell carcinoma

Florida (Winter Haven Hospital) - Acinic cell carcinoma

Illinois, Burr Ridge - Oxyphilic tumor

Indiana (Ball Memorial Hospital) - Acinic cell carcinoma

Indiana (Howard Community Hospital) - Acinic cell carcinoma

Louisiana (Louisiana State University Health Science Center) - Acinic cell carcinoma

Maryland (National Naval Medical Center) - Acinic cell carcinoma

Maryland (University of Maryland Residents) - Acinic cell carcinoma

Massachusetts (New England Medical Center) - Acinic cell carcinoma

Michigan (Oakwood Hospital) - Acinic cell carcinoma

Minnesota (Fairview Ridges Hospital) - Acinic cell carcinoma, ? ex-pleomorphic melanoma

Nebraska (Creighton University School of Medicine) - Acinic cell carcinoma

New York (Presbyterian/Weill Cornell Campus) - Acinic cell carcinoma

New York (Stony Brook University Hospital Residents) - Acinic cell carcinoma
North Carolina (Mountain Area Pathology) - Acinic cell carcinoma (5)
Ohio (McCullough Hyde Memorial Hospital) - Acinic cell carcinoma
Ohio (Medical College of Ohio) - Acinic cell adenocarcinoma
Ohio (Valley Pathologists, Inc.) - Acinic cell carcinoma (3)
Pennsylvania (Conemaugh Memorial Medical Center) - Pleomorphic adenoma
Pennsylvania (Lehigh Valley Hospital) - Acinic cell carcinoma
Pennsylvania (Mt. Nittany Medical Center) - Acinic cell carcinoma, parotid gland
Pennsylvania (Pennsylvania Hospital Pathology Residents) - Oncocytoma
Puerto Rico (University of Puerto Rico) - Acinic cell carcinoma
Texas, Lubbock - Cellular pleomorphic adenoma
Texas (ProPath Associates) - Acinic cell adenocarcinoma (2)
Texas (San Antonio) - Acinar cell carcinoma
Texas (Scott & White Memorial Hospital) - Acinic cell carcinoma
West Virginia (Greenbrier Valley Medical Center) - Acinic cell carcinoma
Australia (North Queensland Pathology) - Acinic cell adenocarcinoma
Australia (Royal Prince Alfred Hospital) - Acinic cell carcinoma
Brazil (UNIFESP/EPM) - Acinic cell carcinoma (2)
Canada (Woodstock General Hospital) - Acinic cell tumor, parotid
Germany, Hamburg - Acinar cell carcinoma
Hong Kong (Hong Kong Baptist Hospital) - Acinic cell carcinoma
Italy, Naples - Acinic cell carcinoma
Jamaica (University Hospital of the West Indies) - Acinic cell tumor, parotid gland
Netherlands, Amsterdam - Acinic cell carcinoma of the parotid gland
Qatar (Hamad Medical Corporation) - Acinic cell carcinoma

Case 5 - Diagnosis:

Acinic cell carcinoma, low grade, parotid gland
 T-55100, M-85501

Case 5 - References:

Sakai O, Nakashima N, Takata Y, et al. Acinic Cell Carcinoma of the Parotid Gland. CT and MRI. *Neuroradiol* 1996; 38(7):675-679.
 Miki H, Masuda E, Ohata S, et al. Late Recurrence of Acinic Cell Carcinoma of the Parotid Gland. *J Med Invest* 1999; 46(3-4):213-216.
 Tucci FM, Bianchi PM, Bottero S, et al. Acinic Cell Carcinoma of the Parotid Gland in Childhood. *Int J Pediatr Otorhinolaryngol* 1993; 27(2):187-191.
 Henley JD, Geary WA, Jackson CL, et al. Dedifferentiated Acinic Cell Carcinoma of the Parotid Gland. A Distinct Rarely Described Entity. *Hum Pathol* 1997; 28(7):869-873.
 Mishevich I, Podoshin L, Fradis M, et al. Salivary Gland Double Tumor. Synchronous Ipsilateral Pleomorphic Adenoma and Acinic Cell Carcinoma of the Parotid Gland. *Ann Otol Rhinol Laryngol* 1997; 106(3):226-229.

Case No. 6, Accession No. 29835

May 2005

Alameda (Alameda County Medical Center) - Leiomyosarcoma
Baldwin Park (Kaiser Permanente) - Leiomyosarcoma (3)
Fontana (Kaiser Permanente) - Pecoma
Glendale - Leiomyosarcoma
Irvine (University of California Residents) - Leiomyosarcoma
Long Beach - Leiomyosarcoma (7)
Monterey Park (Monterey Peninsula Residents) - Epithelioid leiomyoma (1); Intravenous leiomyomatosis vs. sarcoma (1)
Sacramento (UC Davis Medical Center Residents) - Stromal sarcoma
San Diego (Naval Medical Center) - Endometrial stromal sarcoma vs. epithelioid leiomyoma
San Francisco (San Francisco General Hospital) - Cellular leiomyoma
Santa Barbara (Cottage Hospital) - Leiomyosarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Epithelioid leiomyoma, rule out malignancy (3)
Ventura - Leiomyosarcoma
Arizona (Maryvale Medical Center) - Cellular leiomyoma with focal hemorrhagic infarction
Colorado, Evergreen - Leiomyosarcoma
Colorado (Lutheran Medical Center) - Leiomyosarcoma
Connecticut - Leiomyosarcoma vs. endometrial stromal sarcoma
Florida (Baptist Pathology) - Epithelioid leiomyosarcoma
Florida (Winter Haven Hospital) - Leiomyoma
Illinois, Burr Ridge - Leiomyosarcoma
Indiana (Ball Memorial Hospital) - Epithelioid leiomyosarcoma
Indiana (Howard Community Hospital) - Leiomyosarcoma
Louisiana (Louisiana State University Health Science Center) - Leiomyoma, decidualized
Maryland (National Naval Medical Center) - Leiomyosarcoma
Maryland (University of Maryland Residents) - Leiomyoma, epithelioid type
Massachusetts (New England Medical Center) - Epithelioid leiomyosarcoma
Michigan (Oakwood Hospital) - Epithelioid leiomyosarcoma
Minnesota (Fairview Ridges Hospital) - Endometrioid stromal sarcoma, low grade
Nebraska (Creighton University School of Medicine) - Leiomyosarcoma
New York (Presbyterian/Weill Cornell Campus) - Glomangioma
New York (Stony Brook University Hospital Residents) - Cellular leiomyoma
North Carolina (Mountain Area Pathology) - STUMP, cannot exclude leiomyosarcoma (1); Leiomyosarcoma (1); Smooth muscle of LMP (1); Cellular leiomyoma with apoplectic changes vs. STUMP (1)
Ohio (McCullough Hyde Memorial Hospital) - Leiomyosarcoma
Ohio (Medical College of Ohio) - Low grade leiomyosarcoma
Ohio (Valley Pathologists, Inc.) - Leiomyosarcoma (2); Endometrial stromal sarcoma (1)
Pennsylvania (Conemaugh Memorial Medical Center) - Cellular leiomyoma
Pennsylvania (Lehigh Valley Hospital) - Cellular leiomyoma focally infarcted
Pennsylvania (Mt. Nittany Medical Center) - Endometrial stromal sarcoma, low-grade, retroperitoneum
Pennsylvania (Pennsylvania Hospital Pathology Residents) - Endometrial stromal sarcoma
Puerto Rico (University of Puerto Rico) - Combined smooth muscle stromal tumor
Texas, Lubbock - Epithelioid leiomyosarcoma
Texas (ProPath Associates) - Stromal cells sarcoma (2)
Texas (San Antonio) - Epithelioid leiomyosarcoma (? Pecoma ? HMB-45)
Texas (Scott & White Memorial Hospital) - Leiomyoma
West Virginia (Greenbrier Valley Medical Center) - Leiomyosarcoma
Australia (North Queensland Pathology) - Epithelioid leiomyoma
Australia (Royal Prince Alfred Hospital) - Epithelioid leiomyoma
Brazil (UNIFESP/EPM) - Retroperitoneal, smooth muscle tumor, hormonally, sensitive (leiomyoma?) (2)
Canada (Woodstock General Hospital) - Cellular leiomyoma, retroperitoneum
Germany, Hamburg - Intravascular epithelioid leiomyoma
Hong Kong (Hong Kong Baptist Hospital) - Leiomyosarcoma
Italy, Naples - Cellular leiomyoma
Netherlands, Amsterdam - Leiomyosarcoma
Qatar (Hamad Medical Corporation) - Epithelioid leiomyosarcoma

Case 6 - Diagnosis:

Epithelial leiomyosarcoma, low grade, pelvis and retroperitoneum
 T-Y4600, M-88913

Consultation: Orthopaedic Hospital, Joseph M. Mirra, M.D. "Epithelioid Leiomyosarcoma, low grade (leiomyoblastoma), low grade, showing 1 of 3 anaplasia."

Case 6 - References:

- Shmookler BM and Lauer DH. Retroperitoneal Leiomyosarcoma. A Clinicopathologic Analysis of 36 Cases. *Am J Surg Pathol* 1983; 7(3):269-280.
- Paal E and Miettinen M. Retroperitoneal Leiomyomas. A Clinicopathologic and Immunohistochemical Study of 56 Cases with a Comparison to Retroperitoneal Leiomyosarcomas. *Am J Surg Pathol* 2001; 25(11):1355-1363.
- Oda Y, Miyajima K, Kawaguchi K, et al. Pleomorphic Leiomyosarcoma. Clinicopathologic and Immunohistochemical Study with Special Emphasis on Its Distinction from Ordinary Leiomyosarcoma and Malignant Fibrous Histiocytoma. *Am J Surg Pathol* 2001; 25(8):1030-1038.
- Todd CS, Michael H and Sutton G. Retroperitoneal Leiomyosarcoma. Eight Cases and a Literature Review. *Gynecol Oncol* 1995; 59(3):333-337.
- Rajani B, Smith TA, Reith JD, et al. Retroperitoneal Leiomyosarcomas Unassociated with the Gastrointestinal Tract. A Clinicopathologic Analysis of 17 Cases. *Mod Pathol* 1999; 12(1):21-28.

Case No. 7, Accession No. 29968

May 2005

Alameda (Alameda County Medical Center) - Malignant mesothelioma

Baldwin Park (Kaiser Permanente) - Poorly differentiated carcinoma (1); Malignant mesothelioma (2)

Fontana (Kaiser Permanente) - Mesothelioma

Glendale - Mesothelioma

Irvine (University of California Residents) - Mesothelioma

Long Beach - Malignant mesothelioma (7)

Monterey Park (Monterey Peninsula Residents) - Malignant mesothelioma, grade #1 (1); Mesothelioma, epithelioid (1)

Sacramento (UC Davis Medical Center Residents) - Mesothelioma

San Diego (Naval Medical Center) - Poorly differentiated carcinoma, primary peritoneal vs. metastatic ovarian

San Francisco (San Francisco General Hospital) - Undifferentiated carcinoma

Santa Barbara (Cottage Hospital) - Malignant neoplasm, high grade, favor mesothelioma

Santa Rosa (Santa Rosa Memorial Hospital) - Malignant mesothelioma (1); Mesothelioma, epithelioid type (1)

Ventura - Mesothelioma

Arizona (Maryvale Medical Center) - Diffuse malignant epithelial mesothelioma

Colorado, Evergreen - Mesothelioma

Colorado (Lutheran Medical Center) - Epithelioid malignant mesothelioma

Connecticut - Mesothelioma

Florida (Baptist Pathology) - Poorly differentiated mesothelioma

Florida (Winter Haven Hospital) - Poorly differentiated carcinoma

Illinois, Burr Ridge - Malignant mesothelioma

Indiana (Ball Memorial Hospital) - Mesothelioma

Indiana (Howard Community Hospital) - Malignant mesothelioma

Louisiana (Louisiana State University Health Science Center) - Mesothelioma

Maryland (National Naval Medical Center) - Mesothelioma

Maryland (University of Maryland Residents) - Mesothelioma

Massachusetts (New England Medical Center) - Metastatic poorly differentiated carcinoma

Michigan (Oakwood Hospital) - Mesothelioma

Minnesota (Fairview Ridges Hospital) - Malignant mesothelioma

Nebraska (Creighton University School of Medicine) - Peritoneal mesothelioma

New York (Presbyterian/Weill Cornell Campus) - Poorly differentiated adenocarcinoma

New York (Stony Brook University Hospital Residents) - Malignant mesothelioma

North Carolina (Mountain Area Pathology) - Deciduoid mesothelioma (2); Mesothelioma (2); Epithelioid mesothelioma (1)

Ohio (McCullough Hyde Memorial Hospital) - Peritoneal mesothelioma

Ohio (Medical College of Ohio) - High-grade peritoneal serous carcinoma (primary peritoneal carcinoma)

Ohio (Valley Pathologists, Inc.) - Mesothelioma (3)

Pennsylvania (Conemaugh Memorial Medical Center) - Metastatic epithelial carcinoma, favor breast carcinoma

Pennsylvania (Lehigh Valley Hospital) - Poorly differentiated carcinoma involving ovarian

Pennsylvania (Mt. Nittany Medical Center) - Malignant mesothelioma with deciduoid features, peritoneum

Pennsylvania (Pennsylvania Hospital Pathology Residents) - Mesothelioma

Puerto Rico (University of Puerto Rico) - Mesothelioma

Texas, Lubbock - Desmoplastic small cell tumor

Texas (ProPath Associates) - Poorly differentiated ovarian adenocarcinoma (2)

Texas (San Antonio) - Metastatic carcinoma (doubt mesothelioma)

Texas (Scott & White Memorial Hospital) - Epithelioid mesothelioma

West Virginia (Greenbrier Valley Medical Center) - Mesothelioma

Australia (North Queensland Pathology) - Epithelioid mesothelioma

Australia (Royal Prince Alfred Hospital) - High grade mesothelioma

[Brazil \(UNIFESP/EPM\)](#) - Malignant mesothelioma (2)
[Canada \(Woodstock General Hospital\)](#) - Mesothelioma, omentum
[Germany, Hamburg](#) - Mesothelioma
[Hong Kong \(Hong Kong Baptist Hospital\)](#) - Malignant mesothelioma
[Italy, Naples](#) - Malignant mesothelioma
[Netherlands, Amsterdam](#) - Malignant mesothelioma
[Qatar \(Hamad Medical Corporation\)](#) - Peritoneal epithelioid mesothelioma

Case 7 - Diagnosis:

High grade mesothelioma, peritoneum
 T-87000, M-90503

Case 7 - References:

Ordonez NG. Role of Immunohistochemistry In Distinguishing Epithelial Peritoneal Mesotheliomas from Peritoneal and Ovarian Serous Carcinomas. *Am J Surg Pathol* 1998; 22(10):1203-1214.
 Roberts F, Harper CM, Downie I, et al. Immunohistochemical Analysis Still Has a Limited Role in the Diagnosis of Malignant Mesothelioma. A Study of Thirteen Antibodies. *Am J Clin Pathol* 2001; 116(2):253-262.
 Bailey ME, Brown RW, Mody DR, et al. Ber EP4 for Differentiating Adenocarcinoma from Reactive and Neoplastic Mesothelial Cells in Serous Effusions. Comparison with Carcinoembryonic Antigen, B72.3 and Leu-M1. *Acta Cytol* 1996; 40(6):1212-1216.
 Sato S, Okamoto S, Ito K, et al. Differential Diagnosis of Mesothelial and Ovarian Cancer Cells in Ascites by Immunocytochemistry Using Ber-EP4 and Calretinin. *Acta Cytol* 2000; 44(3):485-488.
 Khoury N, Raju U, Crissman JD, et al. A Comparative Immunohistochemical Study of Peritoneal and Ovarian Serous Tumors, and Mesotheliomas. *Hum Pathol* 1990; 21(8):811-819.

Case No. 8, Accession No. 29840

May 2005

[Alameda \(Alameda County Medical Center\)](#) - Synovial sarcoma
[Baldwin Park \(Kaiser Permanente\)](#) - Synovial sarcoma, biphasic (3)
[Fontana \(Kaiser Permanente\)](#) - Synovial sarcoma
[Glendale](#) - Biphasic synovial sarcoma
[Irvine \(University of California Residents\)](#) - Synovial sarcoma
[Long Beach](#) - Synovial sarcoma, biphasic (7)
[Monterey Park \(Monterey Peninsula Residents\)](#) - Nodular tenosynovitis (1); Synovial sarcoma, biphasic (1)
[Sacramento \(UC Davis Medical Center Residents\)](#) - Biphasic synovial sarcoma
[San Diego \(Naval Medical Center\)](#) - Synovial sarcoma
[San Francisco \(San Francisco General Hospital\)](#) - Synovial sarcoma
[Santa Barbara \(Cottage Hospital\)](#) - Biphasic synovial sarcoma
[Santa Rosa \(Santa Rosa Memorial Hospital\)](#) - Synovial sarcoma, biphasic (3)
[Ventura](#) - Synovial sarcoma
[Arizona \(Maryvale Medical Center\)](#) - Synovial sarcoma
[Colorado, Evergreen](#) - Synovial sarcoma
[Colorado \(Lutheran Medical Center\)](#) - Synovial sarcoma
[Connecticut](#) - Synovial sarcoma, biphasic
[Florida \(Baptist Pathology\)](#) - Biphasic synovial sarcoma
[Florida \(Winter Haven Hospital\)](#) - Synovial sarcoma
[Illinois, Burr Ridge](#) - Synovial sarcoma
[Indiana \(Ball Memorial Hospital\)](#) - Synovial sarcoma
[Indiana \(Howard Community Hospital\)](#) - Synovial sarcoma
[Louisiana \(Louisiana State University Health Science Center\)](#) - Synovial sarcoma, biphasic
[Maryland \(National Naval Medical Center\)](#) - Synovial sarcoma
[Maryland \(University of Maryland Residents\)](#) - Synovial sarcoma, biphasic
[Massachusetts \(New England Medical Center\)](#) - Synovial sarcoma, biphasic type
[Michigan \(Oakwood Hospital\)](#) - Synovial sarcoma
[Minnesota \(Fairview Ridges Hospital\)](#) - Synovial sarcoma, biphasic

Nebraska (Creighton University School of Medicine) - Biphasic synovial sarcoma
New York (Presbyterian/Weill Cornell Campus) - Biphasic synovial sarcoma
New York (Stony Brook University Hospital Residents) - Ossifying synovial sarcoma
North Carolina (Mountain Area Pathology) - Synovial sarcoma (5)
Ohio (McCullough Hyde Memorial Hospital) - Synovial sarcoma
Ohio (Medical College of Ohio) - Biphasic synovial sarcoma (predominately epithelioid)
Ohio (Valley Pathologists, Inc.) - Synovial sarcoma (3)
Pennsylvania (Conemaugh Memorial Medical Center) - Synovial sarcoma, biphasic type
Pennsylvania (Lehigh Valley Hospital) - Biphasic synovial sarcoma
Pennsylvania (Mt. Nittany Medical Center) - Synovial sarcoma, knee
Pennsylvania (Pennsylvania Hospital Pathology Residents) - Biphasic synovial sarcoma
Puerto Rico (University of Puerto Rico) - Biphasic synovial sarcoma
Texas, Lubbock - Synoviosarcoma
Texas (ProPath Associates) - Synovial sarcoma (1); Synovial, mixed pattern (1)
Texas (San Antonio) - Synovial sarcoma (biphasic)
Texas (Scott & White Memorial Hospital) - Synovial sarcoma
West Virginia (Greenbrier Valley Medical Center) - Synovial sarcoma
Australia (North Queensland Pathology) - Biphasic synoviosarcoma
Australia (Royal Prince Alfred Hospital) - Biphasic synovial sarcoma
Brazil (UNIFESP/EPM) - Synovial sarcoma (2)
Canada (Woodstock General Hospital) - Biphasic synovial sarcoma, knee
Germany, Hamburg - Synovial sarcoma
Hong Kong (Hong Kong Baptist Hospital) - Synovial sarcoma, biphasic type
Italy, Naples - Synovial sarcoma
Jamaica (University Hospital of the West Indies) - Synovial sarcoma
Netherlands, Amsterdam - Synoviosarcoma (biphasic)
Qatar (Hamad Medical Corporation) - Synovial sarcoma

Case 8 - Diagnosis:

Synovial sarcoma, biphasic knee
 T-Y9200, M-90403

Case 8 – References:

dos Santos NR, de Bruijn DR, van Kessel AG, et al. Molecular Mechanisms Underlying Human Synovial Sarcoma Development of *Gene Chromosomes Cancer* 2001; 30(1):1-14.
 Miettinen M and Virtanen I. Synovial Sarcoma. A Misnomer. *Am J Pathol* 1984; 117(1); 18-25.
 Cormier JN and Pollock RE. Soft Tissue Sarcomas. *CA Cancer J Clin* 2004; 54(2):94-109.
 Nakasone J, Shimizu T, Gomyo H, et al. Assessment of Microinvasion with Reverse Transcriptase Polymerase Chain Reaction in a Case of Synovial Sarcoma. *J Orthop Sci* 2004; 9(2):162-165.
 Weidner N, Goldman R and Johnson J et al. Epithelioid Monophasic Synovial Sarcoma. *Ultrastruct Pathol* 1993; 17(3-4):287-294.

Case No. 9, Accession No. 30205

May 2005

Alameda (Alameda County Medical Center) - Leiomyoma
Baldwin Park (Kaiser Permanente) - Leiomyoma (3)
Fontana (Kaiser Permanente) - Leiomyoma vs. peri-testicular spindle cell rhabdomyosarcoma
Glendale - Leiomyoma
Irvine (University of California Residents) - Angiomyoma
Long Beach - Leiomyoma (7)
Monterey Park (Monterey Peninsula Residents) - Leiomyoma (2)
Sacramento (UC Davis Medical Center Residents) - Leiomyoma
San Diego (Naval Medical Center) - Adenomatoid leiomyoma

San Francisco (San Francisco General Hospital) - Leiomyoma
Santa Barbara (Cottage Hospital) - Leiomyoma
Santa Rosa (Santa Rosa Memorial Hospital) - Spindle cell tumor consistent with leiomyoma (1); Leiomyoma (1)
Ventura - Fibrous pseudotumor
Arizona (Maryvale Medical Center) - Leiomyosarcoma
Colorado, Evergreen - Leiomyoma
Colorado (Lutheran Medical Center) - Leiomyoma
Connecticut - Spindle cell neoplasm, favor leiomyoma
Florida (Baptist Pathology) - Leiomyoma
Florida (Winter Haven Hospital) - Leiomyoma
Illinois, Burr Ridge - Cellular leiomyoma
Indiana (Ball Memorial Hospital) - Leiomyoma
Indiana (Howard Community Hospital) - Leiomyoma
Louisiana (Louisiana State University Health Science Center) - Leiomyoma
Maryland (National Naval Medical Center) - Leiomyoma
Maryland (University of Maryland Residents) - Leiomyoma
Massachusetts (New England Medical Center) - Leiomyoma
Michigan (Oakwood Hospital) - Leiomyoma
Minnesota (Fairview Ridges Hospital) - Leiomyoma
Nebraska (Creighton University School of Medicine) - Leiomyoma
New York (Presbyterian/Weill Cornell Campus) - Leiomyoma
New York (Stony Brook University Hospital Residents) - Atypical leiomyoma
North Carolina (Mountain Area Pathology) - Leiomyoma (5)
Ohio (McCullough Hyde Memorial Hospital) - Leiomyoma
Ohio (Medical College of Ohio) - Leiomyoma
Ohio (Valley Pathologists, Inc.) - Leiomyosarcoma (3)
Pennsylvania (Conemaugh Memorial Medical Center) - Paratesticular leiomyoma
Pennsylvania (Lehigh Valley Hospital) - Leiomyoma
Pennsylvania (Mt. Nittany Medical Center) - Scrotal leiomyoma
Pennsylvania (Pennsylvania Hospital Pathology Residents) - Leiomyoma
Puerto Rico (University of Puerto Rico) - Leiomyoma
Texas, Lubbock - Leiomyoma
Texas (ProPath Associates) - Leiomyoma (2)
Texas (San Antonio) - Leiomyoma
Texas (Scott & White Memorial Hospital) - Leiomyoma
West Virginia (Greenbrier Valley Medical Center) - Unclassified sex cord-stromal tumor
Australia (North Queensland Pathology) - Sex cord stromal tumor spindle cell unclassified; DDx: parenchymal fibroma of gonadal stromal origin
Australia (Royal Prince Alfred Hospital) - Leiomyosarcoma, low grade
Brazil (UNIFESP/EPM) - Leiomyoma (2)
Canada (Woodstock General Hospital) - Leiomyoma, testis
Germany, Hamburg - Leiomyoma
Hong Kong (Hong Kong Baptist Hospital) - Leiomyoma
Italy, Naples - Leiomyoma
Jamaica (University Hospital of the West Indies) - Angioma/vascular leiomyoma
Netherlands, Amsterdam - Leiomyoma
Qatar (Hamad Medical Corporation) - Leiomyoma

Case 9 - Diagnosis:

Leiomyoma, paratesticular/scrotal
 T-78000, M-88900

Case 9 – References:

- Chiaramonte RM. Leiomyoma of Tunica Albuginea of Testis. *Urol* 1988; 31(4):344-345.
- Longchamp E, Cariou G, Arborio M, et al. The Intratesticular Leiomyoma. An Unusual Location. Report of a Case. *Ann Pathol* 1998; 18(5):418-421.
- Lia-Beng T, Wei-Wuang H, Biing-Rorn C, et al. Bilateral Synchronous Leiomyomas of the Testicular Tunica Albuginea. A Case Report and Review of the Literature. *Int Urol Nephrol* 1996; 28(4):549-552.
- Nino-Murcia M. and Kosek J. Leiomyoma of the Testis. Sonographic and Pathologic Findings. *Can Assoc Radiol J* 1989; 40(3):178-179.
- Srigley JR and Hartwick RW. Tumors and Cysts of the Paratesticular Region. *Pathol Annu* 1990; 25 (pt 2):51-108.

Case No. 10, Accession No. 29843

May 2005

Alameda (Alameda County Medical Center) - Chondrosarcoma

Baldwin Park (Kaiser Permanente) - Chondrosarcoma, grade 1 (1); Chondrosarcoma (1); Low grade chondrosarcoma arising in enchondroma (1)

Fontana (Kaiser Permanente) - Chondrosarcoma

Glendale - Low grade chondrosarcoma

Irvine (University of California Residents) - Chondrosarcoma

Long Beach - Chondrosarcoma, low-grade (7)

Monterey Park (Monterey Peninsula Residents) - Chondrosarcoma (2)

Sacramento (UC Davis Medical Center Residents) - Well-differentiated chondrosarcoma

San Diego (Naval Medical Center) - Chondrosarcoma, high grade

San Francisco (San Francisco General Hospital) - Well-differentiated chondrosarcoma

Santa Barbara (Cottage Hospital) - Chondrosarcoma, grade II/III

Santa Rosa (Santa Rosa Memorial Hospital) - Low-grade chondrosarcoma (2); Chondrosarcoma, well-differentiated (1)

Ventura - Chondrosarcoma

Arizona (Maryvale Medical Center) - Chondrosarcoma

Colorado, Evergreen - Chondrosarcoma

Colorado (Lutheran Medical Center) - Chondrosarcoma

Connecticut - Chondrosarcoma, low grade

Florida (Baptist Pathology) - Well-differentiated chondrosarcoma

Florida (Winter Haven Hospital) - Chondrosarcoma

Illinois, Burr Ridge - Chondrosarcoma

Indiana (Ball Memorial Hospital) - Chondrosarcoma

Indiana (Howard Community Hospital) - Chondrosarcoma

Louisiana (Louisiana State University Health Science Center) - Chondrosarcoma, low grade

Maryland (National Naval Medical Center) - Low grade chondrosarcoma

Maryland (University of Maryland Residents) - Chondrosarcoma

Massachusetts (New England Medical Center) - Chondrosarcoma

Michigan (Oakwood Hospital) - Low grade chondrosarcoma

Minnesota (Fairview Ridges Hospital) - Chondrosarcoma, low grade

Nebraska (Creighton University School of Medicine) - Low grade chondrosarcoma

New York (Presbyterian/Weill Cornell Campus) - Conventional chondrosarcoma, grade II

New York (Stony Brook University Hospital Residents) - Chondrosarcoma, grade 2-3

North Carolina (Mountain Area Pathology) - Low grade chondrosarcoma (4); Clear cell chondrosarcoma (1)

Ohio (McCullough Hyde Memorial Hospital) - Chondrosarcoma

Ohio (Medical College of Ohio) - Low-grade chondrosarcoma

Ohio (Valley Pathologists, Inc.) - Chondrosarcoma (2); Low-grade chondrosarcoma (1)

Pennsylvania (Conemaugh Memorial Medical Center) - Chondrosarcoma

Pennsylvania (Lehigh Valley Hospital) - Well-differentiated chondrosarcoma

Pennsylvania (Mt. Nittany Medical Center) - Central chondrosarcoma, sternum

Pennsylvania (Pennsylvania Hospital Pathology Residents) - Chondrosarcoma
Puerto Rico (University of Puerto Rico) - Chondrosarcoma, grade 2
Texas, Lubbock - Chondrosarcoma
Texas (Propath Associates) - Chondrosarcoma (2)
Texas (San Antonio) - Conventional chondrosarcoma with myxoid change, grade 2-3 of 3
Texas (Scott & White Memorial Hospital) - Chondrosarcoma
West Virginia (Greenbrier Valley Medical Center) - Chondrosarcoma
Australia (North Queensland Pathology) - Chondrosarcoma, low grade
Australia (Royal Prince Alfred Hospital) - Chondrosarcoma, grade II
Brazil (UNIFESP/EPM) - Well-differentiated chondrosarcoma (2)
Canada (Woodstock General Hospital) - Low-grade chondrosarcoma, sternum
Germany, Hamburg - Chondrosarcoma GII
Hong Kong (Hong Kong Baptist Hospital) - Chondrosarcoma, low grade
Italy, Naples - Low grade chondrosarcoma
Jamaica (University Hospital of the West Indies) - Chondrosarcoma
Netherlands, Amsterdam - Chondrosarcoma
Qatar (Hamad Medical Corporation) - Chondrosarcoma, well-differentiated

Case 10 - Diagnosis:

Low grade chondrosarcoma, sternum
 T-78000, M-88900

Case 10 - References:

Athanassiadi K, Kalavrouziotis G, Rondogianni D, et al. Primary Chest Wall Tumors. Early and Long-Term Results of Surgical Treatment. *Eur J Cardiothorac Surg*. 2001; 19(5):589-593.
 McAfee MK, Pairolero PC, Bergstralh EJ, et al. Chondrosarcoma of the Chest Wall. Factors Affecting Survival. *Ann Thorac Surg* 1985; 40(6):535-541.
 Fong YC, Pairolero PC, Sim FH, et al. Chondrosarcoma of the Chest Wall. A Retrospective Clinical Analysis. *Clin Orthop* 2004; 427:184-189.