



CALIFORNIA
TUMOR TISSUE REGISTRY

SOFT TISSUE & BONE PATHOLOGY

Minutes – Subscription B

November 2009



SUGGESTED READING (General Topics from Recent Literature):

Su MZ, Yao T-J, et al. Yes-Associated Protein Is an Independent Prognostic Marker in Hepatocellular Carcinoma. *Cancer* 2009;115:4576-4585

Kosemehmetoglu K, Vrana JA, Folpe AL. TLE1 Expression Is Not Specific for Synovial Sarcoma: A Whole Section Study of 163 Soft Tissue and Bone Neoplasms. *Mod Pathol* 2009;22:872-878.

Shi Y, Ding X, et al. Thyroid Fine-Needle Aspiration With Atypia of Undetermined Significance: A Necessary or Optional Category? *Cancer Cytopathol* 2009:epub ahead of print.

Pai RK, Beck AH, et al. Appendiceal Mucinous Neoplasms: Clinicopathologic Study of 116 Cases With Analysis of Factors Predicting Recurrence. *Am J Surg Pathol* 2009;33:1425-1439.

Layfield LJ, Morton MJ, et al. Implications of the Proposed Thyroid Fine-Needle Aspiration Category of “Follicular Lesion of Undetermined Significance”: A Five-Year Multi-Institutional Analysis. *Diagn Cytopathol* 2009;37:710-714.

California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
11021 Campus Avenue, AH 335
Loma Linda, California 92350
(909) 558-4788
FAX: (909) 558-0188
E-mail: cttr@linkline.com
Web site & Case of the Month: www.cttr.org

FILE DIAGNOSES

CTTR Subscription B

November 2009

Case 1:

Osteochondroma, femur
T-11710, M-92100

Case 2:

Plasmacytoma/myeloma, humerus
T-11410, M-97311

Case 3:

High grade conventional osteosarcoma, osteoblastic type, toe
T-Y9800, M-91803

Case 4:

Mesenchymal chondrosarcoma, tibia
T-Y9400, M-92203

Case 5:

Epithelioid hemangioendothelioma/low grade epithelioid angiosarcoma, scalp/ear
T-XY000, M-91203

Case 6:

Angiosarcoma, scalp
T-Y0160, M91203

Case 7:

Rhabdomyosarcoma, predominantly spindle cell type, pelvis
T-Y6000, M-89003

Case 8:

Low grade myxosarcoma, abdominal wall
T-Y4100, M-88403

Case 9:

Myxoid/round cell liposarcoma (95% round cell component), thigh
T-Y9100, M-88533

Case 10:

Monophasic synovial sarcoma, heel
T-Y9600, M-90403

Duarte (City of Hope National Medical Center) - Osteochondroma
Glendale - Osteochondroma
Loma Linda - Osteochondroma
Woodland Hills - Osteochondroma
Florida (Naples Pathology Associates) - Osteochondroma
Georgia, Dunwoody - Osteochondroma arising in osteochondroma
Illinois (Heartland Regional Medical Center) - Osteochondroma
Illinois (Loyola University Medical Center) - Osteochondroma
Indiana, Indianapolis - Osteochondroma
Kansas (Coffeyville Regional Medical Center) - Osteochondroma
Kansas (Peterson Laboratory Services) - Osteochondroma
Louisiana (LSU-HSC Pathology) - Osteochondroma
Maryland (University of Maryland Medical Center) - Osteochondroma
Michigan (Henry Ford Hospital Residents) - Osteochondroma
Michigan (Pinkus Dermatopathology Laboratory) - Osteochondroma
New York (Albany Medical Center) - Osteochondroma
New York (St. Luke's-Roosevelt Hospital Center) - Osteochondroma (3)
New York (SUNY Downstate Medical Center) - Osteochondroma
New York (Westchester Medical Center) - Osteochondroma
Ohio, Columbus - Osteochondroma
Ohio (Ohio State University) - Osteochondroma
Pennsylvania (Drexel University College of Medical Residents) - Osteochondroma
Pennsylvania (Magee Women's Hospital) - Osteochondroma
Puerto Rico (University of Puerto Rico) - Osteochondroma
Tennessee, Knoxville - Osteochondroma
Texas, Crystal Beach - Osteochondroma
Texas, Lubbock - Osteochondroma
Texas, San Antonio - Osteochondroma
Texas (Scott & White Hospital) - Osteochondroma
Washington (University of Washington Medical Center) - Osteochondroma
Wisconsin (St. Mary's Hospital) - Osteochondroma
Australia (Royal Prince Alfred Hospital) - Osteochondroma
Canada (Pasqua Hospital) - Osteochondroma
Canada (University of Sherbrooke) - Osteochondroma
Japan (Asahi General Hospital) - Osteochondroma
Japan (Shizuoka Tokushu-Kai Hospital) - Osteochondroma
Netherlands, Amstelveen - Osteochondroma
Singapore (Freelance/Locum Practice) - Osteochondroma
Spain (Povisa Medical Center) - Osteochondroma
United Kingdom (John Radcliffe Hospital) - Osteochondroma
United Kingdom (Princes Risborough Study Group) - Osteochondroma

Case 1 - Diagnosis:

Osteochondroma, femur
T-11710, M-92100

Case 1 - References:

Spontaneous regression of solitary osteochondroma: reconsidering our approach.
Clin Orthop Relat Res 2007 Jul;460:253-7
Arkader A; Dormans JP; Gaugler R; Davidson RS

Soft tissue osteochondroma: case report and immunohistochemistry for parathyroid hormone-related protein.
Ann Diagn Pathol 2006 Aug;10(4): p222-9
Ratcliff JR; Naqvi A; de la Roza G; Strauss JA; Damron TA

Bizarre parosteal osteochondromatous proliferation (Nora's lesion) in the hand.
J Hand Surg Am 2004 May;29(3): p520-5
Michelsen H; Abramovici L; Steiner G; Posner MA

Secondary chondrosarcoma in cartilage bone tumors: report of 32 patients.
J Orthop Sci 2007 Sep;12(5): p415-23
Altay M; Bayrakci K; Yildiz Y; Ereku S; Saglik Y

Dedifferentiated chondrosarcomas arising in preexisting osteochondromas.
J Bone Joint Surg Am 2007 May;89(5): p987-93
Staals EL; Bacchini P; Mercuri M; Bertoni F

Multiple exostosis: a short study of abnormalities near the growth plate.
J Pediatr Orthop B 2007 Sep;16(5): p363-5
Mansoor A; Beals RK

Case No. 2, Accession No. 30807

November 2009

Duarte (City of Hope National Medical Center) - Plasmacytoma
Glendale - Myeloma
Loma Linda - Plasmacytoma
Woodland Hills - Plasmacytoma (plasma cell dyscrasia, multiple myeloma)
Florida (Naples Pathology Associates) - Plasma cell myeloma
Georgia, Dunwoody - Plasmacytoma
Illinois (Heartland Regional Medical Center) - Plasma cell myeloma
Illinois (Loyola University Medical Center) - Plasmacytoma
Indiana, Indianapolis - Plasma cell neoplasm (plasmacytoma)
Kansas (Coffeyville Regional Medical Center) - Plasmacytoma (multiple myeloma)
Kansas (Peterson Laboratory Services) - Plasma cell neoplasm
Louisiana (LSU-HSC Pathology) - Plasma cell myeloma
Maryland (University of Maryland Medical Center) - Plasmacytoma with amyloid
Michigan (Henry Ford Hospital Residents) - Plasmacytoma
Michigan (Pinkus Dermatopathology Laboratory) - Plasmacytoma
New York (Albany Medical Center) - Plasmacytoma
New York (St. Luke's-Roosevelt Hospital Center) - Plasmacytoma (1); Solitary plasmacytoma (1); Plasma cell myeloma (1)
New York (SUNY Downstate Medical Center) - Plasma cell myeloma
New York (Westchester Medical Center) - Plasmacytoma
Ohio, Columbus - Plasmacytoma
Ohio (Ohio State University) - Plasmacytoma
Pennsylvania (Drexel University College of Medical Residents) - Plasmacytoma
Pennsylvania (Magee Women's Hospital) - Plasmacytoma
Puerto Rico (University of Puerto Rico) - Plasma cell neoplasia (plasmacytoma/plasma cell myeloma)
Tennessee, Knoxville - Plasmacytoma
Texas, Crystal Beach - Plasmacytoma
Texas, Lubbock - Plasmacytoma
Texas, San Antonio - Plasmacytoma
Texas (Scott & White Hospital) - Plasmacytoma/multiple myeloma
Washington (University of Washington Medical Center) - Plasmacytoma
Wisconsin (St. Mary's Hospital) - Plasma cell myeloma and foreign body reaction
Australia (Royal Prince Alfred Hospital) - Plasmacytoma
Canada (Pasqua Hospital) - Solitary myeloma
Canada (University of Sherbrooke) - Plasmacytoma
Japan (Asashi General Hospital) - Plasmacytoma
Japan (Shizuoka Tokushu-Kai Hospital) - Plasmacytoma

Netherlands, Amstelveen - Plasmacytoma
Singapore (Freelance/Locum Practice) - Plasmacytoma
Spain (Povisa Medical Center) - Myeloma
United Kingdom (John Radcliffe Hospital) - Myeloma
United Kingdom (Princes Risborough Study Group) - Myeloma

Case 2 - Diagnosis:

Plasmacytoma/myeloma, humerus
T-11410, M-97311

Case 2 - References:

Retroperitoneal extramedullary anaplastic plasmacytoma masquerading as sarcoma: report of a case with an unusual presentation and imprint smears.

Acta Cytol 2007 May-Jun;51(3): p434-6

Khayyata S; Bentley G; Fregene TA; Al-Abbadi M

Plasmacytoma in a multiple myeloma patient.

Br J Haematol 2006 Sep;134(5): p451

Jablonski M; Servais A; Suarez F; Fakhouri F

Radiologic manifestations of primary solitary extramedullary and multiple solitary plasmacytomas.

AJR Am J Roentgenol 2006 Mar;186(3): p821-7

Ooi GC; Chim JC; Au WY; Khong PL

Sarcomatoid plasmacytoma: a diagnosis not often considered.

Pathology 2006 Dec;38(6): p593-6

Lum D; Wong KP

Primary extramedullary plasmacytoma: similarities with and differences from multiple myeloma revealed by interphase cytogenetics.

Haematologica 2008 Apr;93(4): p623-6

Bink K; Haralambieva E et al.

Case No. 3, Accession No. 30757

November 2009

Duarte (City of Hope National Medical Center) - Osteosarcoma

Glendale - Osteosarcoma

Loma Linda - Fibrosarcoma

Woodland Hills - Osteosarcoma

Florida (Naples Pathology Associates) - Osteosarcoma

Georgia, Dunwoody - Osteosarcoma

Illinois (Heartland Regional Medical Center) - Osteosarcoma

Illinois (Loyola University Medical Center) - Osteosarcoma

Indiana, Indianapolis - Osteosarcoma, low grade

Kansas (Coffeyville Regional Medical Center) - Osteosarcoma

Kansas (Peterson Laboratory Services) - Osteosarcoma

Louisiana (LSU-HSC Pathology) - Osteosarcoma

Maryland (University of Maryland Medical Center) - Osteosarcoma

Michigan (Henry Ford Hospital Residents) - Osteosarcoma

Michigan (Pinkus Dermatopathology Laboratory) - Osteosarcoma

New York (Albany Medical Center) - Osteoblastoma

New York (St. Luke's-Roosevelt Hospital Center) - Osteogenic sarcoma (1); Osteosarcoma (2)

New York (SUNY Downstate Medical Center) - Osteosarcoma

New York (Westchester Medical Center) - Osteosarcoma, low grade

Ohio, Columbus - Myositis ossificans
Ohio (Ohio State University) - Ossifying fibroma
Pennsylvania (Drexel University College of Medical Residents) - Osteosarcoma
Pennsylvania (Magee Women's Hospital) - Osteogenic osteosarcoma
Puerto Rico (University of Puerto Rico) - Well-differentiated osteosarcoma
Tennessee, Knoxville - Osteosarcoma
Texas, Crystal Beach - Giant cell separative granuloma
Texas, Lubbock - Chondrosarcoma
Texas, San Antonio - Osteosarcoma
Texas (Scott & White Hospital) - Osteosarcoma
Washington (University of Washington Medical Center) - Osteosarcoma
Wisconsin (St. Mary's Hospital) - Osteosarcoma
Australia (Royal Prince Alfred Hospital) - Osteosarcoma
Canada (Pasqua Hospital) - Osteosarcoma
Canada (University of Sherbrooke) - Osteosarcoma
Japan (Asahi General Hospital) - Osteoblastoma
Japan (Shizuoka Tokushu-Kai Hospital) - Osteosarcoma
Netherlands, Amstelveen - Osteosarcoma
Singapore (Freelance/Locum Practice) - Osteosarcoma
Spain (Povisa Medical Center) - Osteosarcoma
United Kingdom (John Radcliffe Hospital) - Fibro-osseous pseudotumor of the digits
United Kingdom (Princes Risborough Study Group) - Fibro-osseous pseudotumor of the digits

Case 3 - Diagnosis:

High grade conventional osteosarcoma, osteoblastic type, toe
 T-Y9800, M-91803

Consultation.: Alberto Ayala, MD, The Methodist Hospital, Houston, Tx: "High grade conventional osteosarcoma, osteoblastic type."

Case 3 - References:

Over-expression of parathyroid hormone type 1 receptor confers an aggressive phenotype in osteosarcoma.

Int J Cancer 2007 Sep 1;121(5): p943-54

Yang R; Hoang BH; Kubo T; Kawano H; Chou A; Sowers R; Huvos AG; Meyers PA; Healey JH; Gorlick R

Grade of chemotherapy-induced necrosis as a predictor of local and systemic control in 881 patients with non-metastatic osteosarcoma of the extremities treated with neoadjuvant chemotherapy in a single institution.

Eur J Cancer 2005 Sep;41(14): p2079-85

Bacci G; Mercuri M; Longhi A; Ferrari S; Bertoni F; Versari M; Picci P

Primary osteoblastic osteosarcoma in an elderly female: a case report of perplexing presentation.

Anticancer Res 2006 Jul-Aug;26(4B): p3117-21

Kerr EJ; Nunley PD; Cavanaugh DA; Heard JS; Jawahar A

Phyllodes tumor with osteosarcomatous differentiation: a comparative immunohistochemical study between epithelial and mesenchymal cells.

Tumori 2006 Jul-Aug;92(4): p340-6

Ribeiro-Silva A; Zambelli Ramalho LN; Zucoloto S

Regulation of osteoblast differentiation: a novel function for fibroblast growth factor 8.

Endocrinology 2006 May;147(5): p2171-82

Valta MP; Hentunen T; Qu Q; Valve EM; Harjula A; Seppanen JA; Vaananen HK; Harkonen PL

Duarte (City of Hope National Medical Center) - Ewing sarcoma
Glendale - Small cell osteosarcoma
Loma Linda - Metastatic carcinoma (prob breast cancer)
Woodland Hills - Osteosarcoma, small cell type
Florida (Naples Pathology Associates) - Ewing sarcoma
Georgia, Dunwoody - Mesenchymal chondrosarcoma
Illinois (Heartland Regional Medical Center) - Small cell malignant neoplasm, NOS
Illinois (Loyola University Medical Center) - Biphasic synovial sarcoma
Indiana, Indianapolis - Mesenchymal chondrosarcoma
Kansas (Coffeyville Regional Medical Center) - Poorly differentiated carcinoma (metastatic)
Kansas (Peterson Laboratory Services) - Mesenchymal chondrosarcoma
Louisiana (LSU-HSC Pathology) - Neural ectodermal tumor of bone
Maryland (University of Maryland Medical Center) - Synovial sarcoma
Michigan (Henry Ford Hospital Residents) - Mesenchymal chondrosarcoma
Michigan (Pinkus Dermatopathology Laboratory) - PNET/Ewing sarcoma
New York (Albany Medical Center) - Mesenchymal chondrosarcoma
New York (St. Luke's-Roosevelt Hospital Center) - Ewing sarcoma/PNET vs. small cell osteosarcoma (3)
New York (SUNY Downstate Medical Center) - PNET
New York (Westchester Medical Center) - Osteosarcoma, small cell variant if cytopathogenetically compatible
Ohio, Columbus - Osteosarcoma
Ohio (Ohio State University) - Mesenchymal chondrosarcoma
Pennsylvania (Drexel University College of Medical Residents) - Synovial sarcoma
Pennsylvania (Magee Women's Hospital) - PNET
Puerto Rico (University of Puerto Rico) - Ewing sarcoma/PNET
Tennessee, Knoxville - Synovial sarcoma
Texas, Crystal Beach - Small cell osteosarcoma
Texas, Lubbock - Hemangiopericytoma, malignant
Texas, San Antonio - Small round blue cell tumor
Texas (Scott & White Hospital) - PNET/Ewing sarcoma
Washington (University of Washington Medical Center) - Ewing sarcoma/PNET
Wisconsin (St. Mary's Hospital) - Metastatic carcinoma
Australia (Royal Prince Alfred Hospital) - Ewing sarcoma
Canada (Pasqua Hospital) - Ewing sarcoma
Canada (University of Sherbrooke) - Ewing tumor
Japan (Asahi General Hospital) - Monophasic synovial sarcoma
Japan (Shizuoka Tokushu-Kai Hospital) - Ewing sarcoma
Netherlands, Amstelveen - PNET/Ewing sarcoma
Singapore (Freelance/Locum Practice) - Carcinoma, metastatic (breast)
Spain (Povisa Medical Center) - Small round cell tumor, synovial sarcoma type
United Kingdom (John Radcliffe Hospital) - Ewing/PNET
United Kingdom (Princes Risborough Study Group) - Small cell osteosarcoma

Case 4 - Diagnosis:

Mesenchymal chondrosarcoma, tibia
T-Y9400, M-92203

Case 4 - References:

Trisomy 8 as the sole cytogenetic abnormality in a case of extraskeletal mesenchymal chondrosarcoma.
Cancer Genet Cytogenet 2005 Jun;159(2): p151-4
Gatter KM; Olson S; Lawce H; Rader AE

Mesenchymal chondrosarcoma: an immunohistochemical study of 10 cases examining prognostic significance of proliferative activity and cellular differentiation.

Pathology 2004 Jun;36(3): p230-3

Nussbeck W; Neureiter D; Soder S; Inwards C; Aigner T

Small round cell tumors of bone.
Arch Pathol Lab Med 2007 Feb;131(2): p192-204
Hameed M

Desmin and myogenin reactivity in mesenchymal chondrosarcoma: a potential diagnostic pitfall.
Histopathology 2006 Jan;48(2): p201-3
Gengler C; Letovanec I; Taminelli L; Egger JF; Guillou L

Mesenchymal chondrosarcoma: a series of 23 cases.
Indian J Pathol Microbiol 2004 Oct;47(4): p491-3
Jambhekar NA; Desai SS; Aggarwal MG; Puri A; Merchant N

Case No. 5, Accession No. 31133

November 2009

Duarte (City of Hope National Medical Center) - Angiosarcoma
Glendale - Spindle cell hemangioendothelioma
Loma Linda - Angiosarcoma
Woodland Hills - Angiosarcoma
Florida (Naples Pathology Associates) - Angiosarcoma
Georgia, Dunwoody - Angiosarcoma
Illinois (Heartland Regional Medical Center) - Angiosarcoma
Illinois (Loyola University Medical Center) - Angiosarcoma
Indiana, Indianapolis - Angiosarcoma
Kansas (Coffeyville Regional Medical Center) - Angiosarcoma
Kansas (Peterson Laboratory Services) - Angiosarcoma, grade 2
Louisiana (LSU-HSC Pathology) - Angiosarcoma
Maryland (University of Maryland Medical Center) - Epithelioid angiosarcoma
Michigan (Henry Ford Hospital Residents) - Angiosarcoma, poorly differentiated
Michigan (Pinkus Dermatopathology Laboratory) - Hobnail (dabska) hemangioendothelioma
New York (Albany Medical Center) - Angiosarcoma
New York (St. Luke's-Roosevelt Hospital Center) - Angiosarcoma (2); Angiosarcoma vs. malignant hemangioendothelioma (1)
New York (SUNY Downstate Medical Center) - Epithelioid angiosarcoma
New York (Westchester Medical Center) - Hemangioendothelioma
Ohio, Columbus - Angiosarcoma
Ohio (Ohio State University) - Angiosarcoma
Pennsylvania (Drexel University College of Medical Residents) - Malignant endothelial papillary hemangioendothelioma
Pennsylvania (Magee Women's Hospital) - Angiosarcoma
Puerto Rico (University of Puerto Rico) - Angiosarcoma
Tennessee, Knoxville - Angiosarcoma
Texas, Crystal Beach - Epithelioid hemangiosarcoma
Texas, Lubbock - Kaposi sarcoma
Texas, San Antonio - Malignant glomus tumor
Texas (Scott & White Hospital) - Angiosarcoma
Washington (University of Washington Medical Center) - Angiosarcoma
Wisconsin (St. Mary's Hospital) - Angiosarcoma
Australia (Royal Prince Alfred Hospital) - Angiosarcoma
Canada (Pasqua Hospital) - Angiosarcoma
Canada (University of Sherbrooke) - Angiosarcoma
Japan (Asahi General Hospital) - Angiosarcoma
Japan (Shizuoka Tokushu-Kai Hospital) - Angiosarcoma
Netherlands, Amstelveen - Hemangioma
Singapore (Freelance/Locum Practice) - Angiosarcoma
Spain (Povisa Medical Center) - Epithelioid angiosarcoma

United Kingdom (John Radcliffe Hospital) - Angiosarcoma
United Kingdom (Princes Risborough Study Group) - Angiosarcoma

Case 5 - Diagnosis:

Epithelioid hemangioendothelioma/low grade epithelioid angiosarcoma, scalp/ear
T-XY000, M-91203

Case 5 - References:

Cutaneous epithelioid hemangioendothelioma.
J Cutan Pathol 2008 Feb;35(2): p236-40
Clarke LE; Lee R; Militello G; Elenitsas R; Junkins-Hopkins J

Primary peritoneal epithelioid hemangioendothelioma.
Int J Surg Pathol 2006 Jul;14(3): p257-67
Posligua L; Anatelli F; Dehner LP; Pfeifer JD

Cutaneous epithelioid angiomatous nodule of the external ear.
Am J Dermatopathol 2005 Apr;27(2): p175-6
Fernandez-Flores A; Montero MG; Renedo G

Fine needle aspiration cytology of epithelioid angiosarcoma. report of a case with nuclear grooves and indentations.
Acta Cytol 2004 Mar-Apr;48(2): p223-8
Jeon YK; Kim HW; Choi HJ; Park IA

Grading of soft tissue sarcomas: the challenge of providing precise information in an imprecise world.
Histopathology 2006 Jan;48(1): p42-50
Deyrup AT; Weiss SW

Case No. 6, Accession No. 30921

November 2009

Duarte (City of Hope National Medical Center) - Angiosarcoma
Glendale - Angiosarcoma
Loma Linda - Organizing hematoma
Woodland Hills - Organizing hematoma
Florida (Naples Pathology Associates) - Hematoma
Georgia, Dunwoody - Angiosarcoma
Illinois (Heartland Regional Medical Center) - Hematoma of undetermined etiology
Illinois (Loyola University Medical Center) - Hemangioma
Indiana, Indianapolis - Hemangioendothelioma
Kansas (Coffeyville Regional Medical Center) - Galeal hemorrhage
Kansas (Peterson Laboratory Services) - Low grade angiosarcoma
Louisiana (LSU-HSC Pathology) - Angiosarcoma
Maryland (University of Maryland Medical Center) - Hemorrhage, questionable sampling error, angiosarcoma
Michigan (Henry Ford Hospital Residents) - Angiosarcoma, well-differentiated
Michigan (Pinkus Dermatopathology Laboratory) - Kaposi sarcoma
New York (Albany Medical Center) - Angiosarcoma
New York (St. Luke's-Roosevelt Hospital Center) - Extravascular papillary endothelial hyperplasia associated with massive hemorrhage (1); Endothelial papillary hyperplasia (2)
New York (SUNY Downstate Medical Center) - Angiosarcoma
New York (Westchester Medical Center) - Fresh hemorrhage
Ohio, Columbus - Pleomorphic lipoma
Ohio (Ohio State University) - Hemorrhagic lipoma
Pennsylvania (Magee Women's Hospital) - Extensive fascial hemorrhage suggestive of A-V malformation
Puerto Rico (University of Puerto Rico) - Benign vascular lesion vs. amyloidosis

Tennessee, Knoxville - Angiomatosis
Texas, Crystal Beach - Hemangioma
Texas, Lubbock - Angiosarcoma
Texas, San Antonio - Nuchal type fibroma
Texas (Scott & White Hospital) - Hemangioma
Washington (University of Washington Medical Center) - Hemangioma
Wisconsin (St. Mary's Hospital) - Kaposi sarcoma
Australia (Royal Prince Alfred Hospital) - Hematoma
Canada (Pasqua Hospital) - Kaposi sarcoma with a focus of immature myeloid cells
Canada (University of Sherbrooke) - Angiosarcoma, spindle cell type vs. Kaposi sarcoma
Japan (Asahi General Hospital) - Nevus lipomatosus superficialis
Japan (Shizuoka Tokushu-Kai Hospital) - Angiosarcoma
Netherlands, Amstelveen - Sclerosing hemangioma
Singapore (Freelance/Locum Practice) - Angiosarcoma
Spain (Povisa Medical Center) - Kaposi sarcoma
United Kingdom (John Radcliffe Hospital) - Angiosarcoma (well-differentiated)
United Kingdom (Princes Risborough Study Group) - Well-differentiated angiosarcoma

Case 6 - Diagnosis:

Angiosarcoma, scalp
 T-Y0160, M91203

Case 6 - References:

Clinicopathologic challenge. angiosarcoma of the scalp.
Int J Dermatol 2008 Sep;47(9): p881-3
 Wong J; Huerter C

Angiosarcoma of the scalp.
Am Surg 2008 Dec;74(12): p1228-30
 Stokes MC; Bennett J; Beech DJ; Ballard B

Cutaneous angiosarcoma of the head and neck: report of 23 cases from a single institution.
Otolaryngol Head Neck Surg 2008 Oct;139(4): p519-24
 Kohler HF; Neves RI; Brechtbuhl ER; Mattos Granja NV; Ikeda MK; Kowalski LP

Angiosarcoma of the scalp mimicking a sebaceous cyst.
Dermatol Online J 2008;14(6): p13
 Pan Z; Albertson D; Bhuller A; Wang B; Shehan JM; Sarma DP

Cutaneous angiosarcoma.
Am J Clin Oncol 2006 Oct;29(5): p524-8
 Mendenhall WM; Mendenhall CM; Werning JW; Reith JD; Mendenhall NP

Case No. 7, Accession No. 30989

November 2009

Duarte (City of Hope National Medical Center) - Rhabdomyosarcoma
Glendale - Spindled rhabdomyosarcoma
Loma Linda - Rhabdomyosarcoma
Woodland Hills - Embryonal rhabdomyosarcoma
Florida (Naples Pathology Associates) - Leiomyosarcoma
Georgia, Dunwoody - Spindle cell rhabdomyosarcoma
Illinois (Heartland Regional Medical Center) - Embryonal rhabdomyosarcoma
Illinois (Loyola University Medical Center) - Embryonal rhabdomyosarcoma
Indiana, Indianapolis - Rhabdomyosarcoma

Kansas (Coffeyville Regional Medical Center) - Ganglioneuroma
Kansas (Peterson Laboratory Services) - Rhabdomyosarcoma
Louisiana (LSU-HSC Pathology) - Embryonal rhabdomyosarcoma
Maryland (University of Maryland Medical Center) - Embryonal rhabdomyosarcoma with treatment effect, spindle cell type
Michigan (Henry Ford Hospital Residents) - Embryonal rhabdomyosarcoma
Michigan (Pinkus Dermatopathology Laboratory) - Rhabdomyosarcoma, pleomorphic and embryonal
New York (Albany Medical Center) - Embryonal rhabdomyosarcoma
New York (St. Luke's-Roosevelt Hospital Center) - Embryonal rhabdomyosarcoma vs. triton tumor (MPNST consistent with rhabdomyosarcoma) (1); Triton tumor (1); MPNST consistent with rhabdomyoblastic differentiation (1)
New York (SUNY Downstate Medical Center) - Embryonal rhabdomyosarcoma
New York (Westchester Medical Center) - Rhabdomyosarcoma
Ohio, Columbus - Rhabdomyosarcoma
Ohio (Ohio State University) - Rhabdomyosarcoma
Pennsylvania (Drexel University College of Medical Residents) - Embryonal rhabdomyosarcoma
Pennsylvania (Magee Women's Hospital) - Rhabdomyosarcoma
Puerto Rico (University of Puerto Rico) - Embryonal rhabdomyosarcoma
Tennessee, Knoxville - Rhabdomyosarcoma
Texas, Crystal Beach - Rhabdomyosarcoma
Texas, Lubbock - Rhabdoid tumor
Texas, San Antonio - Embryonal rhabdomyosarcoma
Texas (Scott & White Hospital) - Ganglioneuroma
Washington (University of Washington Medical Center) - Rhabdomyosarcoma
Wisconsin (St. Mary's Hospital) - Infantile fibromatosis
Australia (Royal Prince Alfred Hospital) - Rhabdomyosarcoma
Canada (Pasqua Hospital) - Rhabdomyosarcoma
Canada (University of Sherbrooke) - Rhabdomyosarcoma, embryonal type
Japan (Asashi General Hospital) - Pleomorphic rhabdomyosarcoma
Japan (Shizuoka Tokushu-Kai Hospital) - Ganglioneuroma
Netherlands, Amstelveen - Embryonal rhabdomyosarcoma
Singapore (Freelance/Locum Practice) - Sarcoma, rhabdomyosarcoma
Spain (Povisa Medical Center) - Embryonal rhabdomyosarcoma
United Kingdom (John Radcliffe Hospital) - Rhabdomyosarcoma
United Kingdom (Princes Risborough Study Group) - Embryonal rhabdomyosarcoma

Case 7 - Diagnosis:

Rhabdomyosarcoma, predominantly spindle cell type, pelvis
 T-Y6000, M-89003

Case 7 - References:

Spindle cell rhabdomyosarcoma of the tongue in an infant: a case report with emphasis on differential diagnosis of childhood spindle cell lesions.

Pathol Res Pract 2004;200(7-8): p537-43

Gupta A; Maddalozzo J; Win Htin T; Shah A; Chou PM

Paratesticular spindle cell rhabdomyosarcoma diagnosed by fine needle aspiration cytology: a case report.

Acta Cytol 2005 May-Jun;49(3): p331-4

Daneshbod Y; Monabati A; Kumar PV; Rastegar M

Cell rhabdomyosarcoma in adults.

Am J Surg Pathol 2005 Aug;29(8): p1106-13

Nascimento AF; Fletcher CD

Kit expression in spindle cell rhabdomyosarcoma can possibly create a different approach for its tumorigenesis and therapy.

Pathol Res Pract 2006;202(9): p671-7

Diniz G; Aktas S; Ortac R; Tunakan M; Unlu I; Vergin C

The role of nuclear morphometry in prediction of prognosis for rhabdomyosarcoma in children.

Histopathology 2004 Oct;45(4): p352-9

Kazanowska B; Jelen M; Reich A; Tarnawski W; Chybicka A

Case No. 8, Accession No. 31077

November 2009

Duarte (City of Hope National Medical Center) - Myxoid liposarcoma
Glendale - Fasciitis
Loma Linda - Desmoid fibromatosis
Woodland Hills - Angiomyxoid lesion
Florida (Naples Pathology Associates) - Ectopic neural tissue
Georgia, Dunwoody - Myxoid liposarcoma
Illinois (Heartland Regional Medical Center) - Myxosarcoma (MFH, myxoid) low grade
Illinois (Loyola University Medical Center) - Myxoid liposarcoma
Indiana, Indianapolis - Neuroma vs. neurofibroma
Kansas (Coffeyville Regional Medical Center) - Myxoid liposarcoma
Kansas (Peterson Laboratory Services) - Liposarcoma, myxoid
Louisiana (LSU-HSC Pathology) - Myxofibrosarcoma
Maryland (University of Maryland Medical Center) - Myxoid liposarcoma
Michigan (Henry Ford Hospital Residents) - Sclerosing liposarcoma
Michigan (Pinkus Dermatopathology Laboratory) - Myxoid liposarcoma
New York (Albany Medical Center) - Nodular fasciitis
New York (St. Luke's-Roosevelt Hospital Center) - Nodular fasciitis (1) Large fibro myxoid tumor (1); Nodular fasciitis vs. myxoid liposarcoma (1)
New York (SUNY Downstate Medical Center) - Myxoid liposarcoma
New York (Westchester Medical Center) - Fibromatosis
Ohio, Columbus - Heterotopic glial tissue
Ohio (Ohio State University) - Glial heterotopia
Pennsylvania (Drexel University College of Medical Residents) - Rhabdomyoma
Pennsylvania (Magee Women's Hospital) - Myxoid liposarcoma
Puerto Rico (University of Puerto Rico) - Desmoid-type fibromatosis
Tennessee, Knoxville - Myxoid liposarcoma
Texas, Crystal Beach - Desmoid fibromatosis
Texas, Lubbock - Desmoid tumor
Texas, San Antonio - Angiomyxoma
Texas (Scott & White Hospital) - Myxoid liposarcoma
Washington (University of Washington Medical Center) - Myxoid liposarcoma
Wisconsin (St. Mary's Hospital) - Well-differentiated sclerotic type liposarcoma
Australia (Royal Prince Alfred Hospital) - Myxoid liposarcoma
Canada (Pasqua Hospital) - Myxoid liposarcoma
Canada (University of Sherbrooke) - Desmoid tumor vs. inflammatory myofibroblastic tumor
Japan (Asahi General Hospital) - Desmoplastic fibroblastoma
Japan (Shizuoka Tokushu-Kai Hospital) - Superficial angiomyxoma
Netherlands, Amstelveen - Reactive
Singapore (Freelance/Locum Practice) - Myxoid liposarcoma
Spain (Povisa Medical Center) - Angiomyxoma
United Kingdom (John Radcliffe Hospital) - Glial implant (mature) from ovarian teratoma
United Kingdom (Princes Risborough Study Group) - Glial tissue (likely implant from teratoma)

Case 8 - Diagnosis:

Low grade myxosarcoma, abdominal wall

T-Y4100, M-88403

Consultation: Mayo Clinic: “Low grade myxofibrosarcoma”

Case 8 - References:

Myxofibrosarcoma (myxoid malignant fibrous histiocytoma) showing cutaneous presentation: report of two cases.

J Cutan Pathol 2005 Aug;32(7): p512-5

Fujimura T; Okuyama R; Terui T; Okuno K; Masu A; Masu T; Chiba S; Kunii T; Tagami H; Aiba S

Low-grade myxofibrosarcoma of the vulva in a 15-year-old adolescent: a case report.

Int J Surg Pathol 2005 Jan;13(1): p117-9

Denschlag D; Kontny U; Tempfer C; Orlowska-Volk M; Niemeyer C; Gitsch G

Low-grade fibromyxoid sarcoma versus low-grade myxofibrosarcoma in the extremities and trunk: a comparison of clinicopathological and immunohistochemical features.

Histopathology 2004 Jul;45(1): p29-38

Oda Y; Takahira T; Kawaguchi K; Yamamoto H; Tamiya S; Matsuda S; Tanaka K; Iwamoto Y; Tsuneyoshi M

Low-grade myxofibrosarcoma: a clinicopathologic analysis of 49 cases treated at a single institution with simultaneous assessment of the efficacy of 3-tier and 4-tier grading systems.

Hum Pathol 2004 May;35(5): p612-21

Huang HY; Lal P; Qin J; Brennan MF; Antonescu CR

Spectrum of low-grade fibrosarcomas: a comparative ultrastructural analysis of low-grade myxofibrosarcoma and fibromyxoid sarcoma.

Ultrastruct Pathol 2004 Sep-Dec;28(5-6): p321-32

Antonescu CR; Baren A

Case No. 9, Accession No. 31128

November 2009

Duarte (City of Hope National Medical Center) - Granulocytic sarcoma

Glendale - Round cell liposarcoma

Loma Linda - Liposarcoma

Woodland Hills - Round cell liposarcoma

Florida (Naples Pathology Associates) - Liposarcoma

Georgia, Dunwoody - Small round cell tumor, rule out myeloid sarcoma

Illinois (Heartland Regional Medical Center) - Round cell liposarcoma (cellular myxoid liposarcoma)

Illinois (Loyola University Medical Center) - Round cell liposarcoma

Indiana, Indianapolis - Round cell liposarcoma

Kansas (Coffeyville Regional Medical Center) - Cellular myxoid liposarcoma

Kansas (Peterson Laboratory Services) - Liposarcoma, round cell

Louisiana (LSU-HSC Pathology) - Round cell liposarcoma

Maryland (University of Maryland Medical Center) - Myxoid liposarcoma, round cell variant

Michigan (Henry Ford Hospital Residents) - Round cell liposarcoma

Michigan (Pinkus Dermatopathology Laboratory) - Round cell liposarcoma

New York (Albany Medical Center) - Myxoid round cell liposarcoma

New York (St. Luke's-Roosevelt Hospital Center) - Round cell liposarcoma (3)

New York (SUNY Downstate Medical Center) - Round cell liposarcoma

New York (Westchester Medical Center) - Liposarcoma, round cell type

Ohio, Columbus - Poorly differentiated sarcoma

Ohio (Ohio State University) - Poorly differentiated sarcoma

Pennsylvania (Drexel University College of Medical Residents) - Liposarcoma, mixed type

Pennsylvania (Magee Women's Hospital) - Round cell liposarcoma

Puerto Rico (University of Puerto Rico) - Round cell liposarcoma

Tennessee, Knoxville - Round cell liposarcoma

Texas, Crystal Beach - Liposarcoma (dedifferentiated)

Texas, Lubbock - Liposarcoma
Texas, San Antonio - Myxoid/round cell liposarcoma
Texas (Scott & White Hospital) - Round cell/myxoid liposarcoma
Washington (University of Washington Medical Center) - Round cell liposarcoma
Wisconsin (St. Mary's Hospital) - Round cell liposarcoma
Australia (Royal Prince Alfred Hospital) - Cellular myxoid/round cell liposarcoma
Canada (Pasqua Hospital) - Round cell liposarcoma
Canada (University of Sherbrooke) - Liposarcoma, round cell type
Japan (Asashi General Hospital) - Myxoid/round cell liposarcoma
Japan (Shizuoka Tokushu-Kai Hospital) - Dedifferentiated liposarcoma
Netherlands, Amstelveen - Malignant lymphoma
Singapore (Freelance/Locum Practice) - Round cell liposarcoma
Spain (Povisa Medical Center) - Myxoid liposarcoma with nodules of round cells
United Kingdom (John Radcliffe Hospital) - Round cell/myxoid liposarcoma
United Kingdom (Princes Risborough Study Group) - Myxoid-round cell liposarcoma

Case 9 - Diagnosis:

Myxoid/round cell liposarcoma (95% round cell component), thigh
 T-Y9100, M-88533

Case 9 - References:

Myxoid/round cell and pleomorphic liposarcomas: prognostic factors and survival in a series of patients treated at a single institution.

Cancer 2007 Jun 15;109(12): p2522-31

Fiore M; Grosso F; Lo Vullo S; Pennacchioli E; Stacchiotti S; Ferrari A; Collini P; Lozza L; Mariani L; Casali PG; Gronchi A

Irradiation of myxoid/round cell liposarcoma induces volume reduction and lipoma-like morphology.

Acta Oncol 2007;46(6): p838-45

Engstrom K; Bergh P; Cederlund CG; Hultborn R; Willen H; Aman P; Kindblom LG; Meis-Kindblom JM

Clinicopathologic prognostic factors in myxoid liposarcoma: a retrospective study of 49 patients with long-term follow-up.

Ann Surg Oncol 2007 Jan;14(1): p222-9

ten Heuvel SE; Hoekstra HJ; van Ginkel RJ; Bastiaannet E; Suurmeijer AJ

Myxoid liposarcoma.

Diagn Cytopathol 2007 May;35(5): p283-4

Pantanowitz L; Otis CN

Fine-needle aspiration in liposarcoma: cytohistologic correlative study including well-differentiated, myxoid, and pleomorphic variants.

Diagn Cytopathol 2004 May;30(5): p307-12

Klijanienko J; Caillaud JM; Lagace R

Case No. 10, Accession No. 31070

November 2009

Duarte (City of Hope National Medical Center) - Synovial sarcoma

Glendale - Synovial sarcoma

Loma Linda - Dermatofibrosarcoma protuberans

Woodland Hills - Monophasic synovial sarcoma

Florida (Naples Pathology Associates) - Leiomyosarcoma

Georgia, Dunwoody - Synovial sarcoma

Illinois (Heartland Regional Medical Center) - Synovial sarcoma, monophasic fibrous type
Illinois (Loyola University Medical Center) - Monophasic synovial sarcoma
Indiana, Indianapolis - Synovial sarcoma
Kansas (Coffeyville Regional Medical Center) - Synovial sarcoma
Kansas (Peterson Laboratory Services) - Synovial sarcoma
Louisiana (LSU-HSC Pathology) - Synovial sarcoma
Maryland (University of Maryland Medical Center) - Synovial sarcoma
Michigan (Henry Ford Hospital Residents) - Synovial sarcoma
Michigan (Pinkus Dermatopathology Laboratory) - Synovial sarcoma
New York (Albany Medical Center) - Monophasic synovial sarcoma
New York (St. Luke's-Roosevelt Hospital Center) - Synovial sarcoma (3)
New York (SUNY Downstate Medical Center) - Synovial sarcoma
New York (Westchester Medical Center) - Synovial sarcoma
Ohio, Columbus - Leiomyosarcoma
Ohio (Ohio State University) - Solitary fibrous tumor
Pennsylvania (Drexel University College of Medical Residents) - Synovial sarcoma
Pennsylvania (Magee Women's Hospital) - Synovial sarcoma
Puerto Rico (University of Puerto Rico) - Synovial sarcoma, monophasic
Tennessee, Knoxville - Synovial sarcoma
Texas, Crystal Beach - Myoepithelial neoplasm
Texas, Lubbock - Synovial sarcoma
Texas, San Antonio - Synovial sarcoma
Texas (Scott & White Hospital) - Synovial sarcoma
Washington (University of Washington Medical Center) - Synovial sarcoma
Wisconsin (St. Mary's Hospital) - Synovial sarcoma
Australia (Royal Prince Alfred Hospital) - Synovial sarcoma
Canada (Pasqua Hospital) - Synovial sarcoma
Canada (University of Sherbrooke) - Synoviosarcoma
Japan (Asashi General Hospital) - Monophasic fibrous synovial sarcoma
Japan (Shizuoka Tokushu-Kai Hospital) - Synovial sarcoma
Netherlands, Amstelveen - Synoviosarcoma
Singapore (Freelance/Locum Practice) - Synovial sarcoma
Spain (Povisa Medical Center) - Synovial sarcoma
United Kingdom (John Radcliffe Hospital) - Synovial sarcoma
United Kingdom (Princes Risborough Study Group) - Synovial sarcoma

Case 10 - Diagnosis:

Monophasic synovial sarcoma, heel
 T-Y9600, M-90403

Case 10 - References:

Diagnostic pitfalls associated with fine-needle aspiration biopsy in a patient with the myxoid variant of monophasic fibrous synovial sarcoma.

Diagn Cytopathol 2006 Nov;34(11): p761-7

Bergman S; Brownlee NA; Geisinger KR; Ward WG; Pettenati MJ; Koty P; Ellis E; Beaty MW; Kilpatrick SE

Monophasic synovial sarcoma: a cytologic spectrum.

Diagn Cytopathol 2004 Jan;30(1): p19-23

Ewing CA; Zakowski MF; Lin O

Molecular detection of SS18-SSX fusion gene transcripts by cRNA in situ hybridization in synovial sarcoma using formalin-fixed, paraffin-embedded tumor tissue specimens.

Diagn Mol Pathol 2007 Mar;16(1): p9-17

Kanemitsu S; Hisaoka M; Shimajiri S; Matsuyama A; Hashimoto H

Minute synovial sarcomas of the hands and feet: a clinicopathologic study of 21 tumors less than 1 cm.

Am J Surg Pathol 2006 Jun;30(6): p721-6

Michal M; Fanburg-Smith JC; Lasota J; Fetsch JF; Lichy J; Miettinen M

Synovial sarcoma prognostic factors and patterns of failure.

Am J Clin Oncol 2004 Apr;27(2): p122-7

Paulino AC