California Tumor Tissue Registry

c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
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E-mail: cttr@linkline.com
Web page: www.cttr.org
Web site & Case of the Month: www.cttr.org
Target audience:
Practicing pathologists and pathology residents.

Goal:
To acquaint the participant with the histologic features of a variety of benign and malignant neoplasms and tumor-like conditions.

Objectives:
The participant will be able to recognize morphologic features of a variety of benign and malignant neoplasms and tumor-like conditions and relate those processes to pertinent references in the medical literature.

Educational methods and media:
Review of representative glass slides with associated histories.
Feedback on consensus diagnoses from participating pathologists.
Listing of selected references from the medical literature.

Principal faculty:
Weldon K. Bullock, MD
Donald R. Chase, MD

CME Credit:
Loma Linda University School of Medicine designates this continuing medical education activity for a maximum of 2 hours of Category 1 of the Physician's Recognition Award of the American Medical Association.
CME credit is offered for the subscription year only.

Accreditation:
Loma Linda University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.
Contributor: Guillermo Acero, M.D.  
Ojai, CA

Tissue from: Parascapular region  
Accession #30201

Clinical Abstract:  
An 83 year old man was noted to have an enlarging parascapular mass over several months. An ultrasound showed a heterogeneous process under the skin, without invasion of the adjacent bone.

Gross Pathology:  
A 6 x 5 x 2 cm portion of skin and underlying tissue had a central ulceration. The cut surface showed extensively necrotic tissue.

Contributor: Edmund Low, M.D.  
Sun Valley, CA

Tissue from: Parotid  
Accession #23564

Clinical Abstract:  
This 5 year old child had a history of a mild upper respiratory tract infection, after which a mass was noted near the left ear canal. This was interpreted as a cyst extrinsic to the ear canal. At surgery, a beefy red mass was found within the tail of the left parotid, compressing the anterior wall of the external auditory canal.

Gross Pathology:  
The 3.0 x 2.5 x 1.5 cm specimen consisted of an encapsulated lobular rubbery-firm portion of dusky red tissue. The cut surface was uniformly red.
Contributor: Wafa Michael, M.D.  
Fontana, CA  

Tissue from: Right shoulder  
Accession #30450

Clinical Abstract:  
A 41 year old man noted a mass in his right shoulder.

Gross Pathology:  
The resection specimen was a 7 x 6 x 3 cm portion of lobulated yellow adipose tissue surmounted by a 7.5 x 3.0 cm ellipse of skin. The cut surface of the mass was rubbery firm.

Contributor: Mark Janssen, M.D.  
Anaheim, CA  

Tissue from: Right postauricular tissue  
Accession #30377

Clinical Abstract:  
A 53 year old man present with a right post-auricular mass.

Gross Pathology:  
This 2.8 x 2.5 x 1.5 cm well-encapsulated portion of nodular soft tissue had a golden yellow, glistening whorled trabecular cut surface.
Contributor: Beverly J. Myers, M.D.
Roseville, CA

Tissue from: Left thigh

Clinical Abstract:
A 64 year old man presented with a slowly enlarging mass in his left thigh. At surgery, the mass was well encapsulated but appeared to be associated with a nerve, from which it was excised.

Gross Pathology:
The 75 gram specimen was 7.5 x 5.5 x 3.6 cm and consisted of a smooth surfaced white-gray mass with a solid pink-white cut surface.

Contributor: Jin Wang, M.D.
Hangzhou, People’s Republic of China

Tissue from: Right kidney

Clinical Abstract:
A 35 year old woman was found to have a right renal mass.

Gross Pathology:
A 13 x 7 x 4 cm kidney had a 4 x 4 cm mass in the upper pole, near the hilum. The mass was clearly delimited and had a gray-white and dark red cut surface.
Contributor: Robert Zuch, M.D.  
Baldwin Park, CA  
Case No. 7 - October 2007 A

Tissue from: Left ankle  
Accession #30470

Clinical Abstract:  
A 23 year old man complained of a slightly painful mass in his left ankle. He had no other medical problems and no family history of significant disease.

Gross Pathology:  
The 5.8 cm diameter ovoid nodular mass had a whorled white-tan cut surface with foci of cystic degeneration.

Contributor: Jeannie Muir-Padilla, M.D.  
Universal City, TX  
Case No. 8 - October 2007 A

Tissue from: Mediastinum  
Accession #30159

Clinical Abstract:  
A 24 year old man presented with shortness of breath. A CT scan showed a hypodense mass involving the left thoracic cavity and anterior mediastinum. A large pleural effusion with associated atelectasis was also noted.

Gross Pathology:  
The specimen was a 780 gram aggregate of white-gray tissue showing areas of hemorrhage, necrosis and myxoid material.

Special Studies:  
Positive: Vimenin, desmin, Myo-D1  
Negative: S100, Panckytokeratin, LCA, CD34, CD31, Chromogranin, Synaptophysin
Contributor: Robert Zuch, M.D.  
Baldwin Park, CA  

Clinical Abstract:  
A 69 year old woman had a slowly growing mass in the soft tissue near her right tibia.

Gross Pathology:  
Beneath a 7.2 x 1.8 cm ellipse of skin, in the underlying resected soft tissue, was a 5.0 x 5.0 x 3.2 cm bulging well defined white tan mass with central hemorrhage.

Contributor: Jin Mei, M.D.  
Hangzhou, People’s Republic of China  

Clinical Abstract:  
A 43 year old woman presented with a right buttock mass, noticed about 20 days earlier. Work-up showed bilateral pulmonary masses. At surgery, an encapsulated mass was removed from deep within the gluteus maximus muscle, near the ischium. A wedge resection of a pulmonary mass was also performed.

Gross Pathology:  
The buttock mass was 6 x 4 x 4 cm and the lung mass was 1.8 x 1.5 x 1.5 cm. Both had a mucinous cut surface.
SUGGESTED READING (General Topics from Recent Literature):


Case 1: Ischemic fasciitis (atypical decubital fibroplasia), parascapular
T-11280, M-49000

Case 2: Cellular capillary “juvenile” hemangioma, parotid
T-55100, M-91301

Case 3: Lipoma, shoulder
T-Y1220, M-88500

Case 4: Spindle cell lipoma, post-auricular
T-Y0170, M-88570

Case 5: Myxoid neurofibroma, leg
T-Y9400, M-95400

Case 6: Epithelioid angiomyolipoma, peri-renal
T-71000, M-88600

Case 7: Schwannoma, ankle
T-Y9500, M-95600

Case 8: High grade pleomorphic sarcoma/Pleomorphic rhabdomyosarcoma, mediastinum
T-Y2300, M-89003

Case 9: High grade pleomorphic sarcoma with phenotype of so-called MFH, posterior leg
T-Y9400, M-88303

Case 10: Extraskeletal myxoid chondrosarcoma
T-Y1600, M-92203
Arcadia (ABC Laboratories) - Hemorrhagic necrotic mass with atypical spindle cells, rule out sarcoma
Long Beach (VA Long Beach Hospital) - Necrotic tissue (2)
Mountain View (El Camino Hospital) - Ischemic fasciitis
Oakland (BioMarin Pharmaceutical, Inc.) - Fibromatosis vs. angiosarcoma
Oxnard (St. John's Regional Medical Center) - Organizing hemartoma (3)
San Diego (Scripps Clinic) - Ischemic fasciitis
San Diego - Ischemic fasciitis
San Diego (Naval Medical Center) - Ischemic fasciitis
San Francisco (University of California San Francisco) - Ischemic fasciitis
Santa Barbara - Necrotic tissue
Santa Rosa (Santa Rosa Memorial Hospital) - Ischemic fasciitis (3)
Sonoma (Sonoma Valley Hospital) - Proliferative myositis
Woodland Hills (Kaiser Permanente Medical Center) - Ischemic fasciitis (atypical decubital fibroplasia)
Alabama (Baptist Medical Center) - Ischemic fasciitis
Alabama, Mt Olive - Desmoplastic fibroblastoma (i.e. collagenous fibroma)
Colorado, Ft. Collins - Necrotic tissue, insufficient for further interpretation
Florida (Baptist Hospital Pensacola) - Ischemic fasciitis
Georgia, Decatur - Ischemic fasciitis
Illinois, Burr Ridge - Angiosarcoma
Illinois (Heartland Regional Medical Center) - Necrosis of skin and subcutaneous tissue and subcutaneous fibrous lesion
Illinois (MacNeal Hospital) - Ischemic fasciitis
Illinois (Sarah Bush Lincoln Health Center) - Ischemic fasciitis
Indiana (Pathology & Forensic Consultants) - Fibrosarcoma (1); Elastofibroma (1)
Indiana (St. Joseph Hospital) - Organizing hemartoma
Kansas (Cytocheck Laboratory, LLC) - Fibromatosis
Kentucky (University of Louisville) - Ischemic fasciitis
Minnesota (Fairview Ridges Hospital) - Ischemic fasciitis
Missouri (Missouri Delta Medical Center) - Ischemic fasciitis
Nebraska (Creighton University) - Decub vs. ulcer/necrosis
Nevada (Sunrise Hospital) - Ischemic fasciitis
New Mexico, Albuquerque - Ischemic necrosis and hemorrhage with organization
New York (ECMC) - Ischemic and necrotizing fasciitis with myositis (gangrene)
New York (Long Island Jewish Medical Center) - Ischemic fasciitis
New York (Stony Brook University Residents) - Atypical decubital fibroplasias (ischemic fasciitis)
New York (SUNY Downstate Residents) - Ischemic fasciitis (atypical decubital fibroplasia)
New York (Westchester Medical Center) - Ischemic (necrotizing) fasciitis
Ohio (McCullough-Hyde Memorial Hospital) - Ischemic fasciitis
Pennsylvania (Conemaugh Hospital) - Ischemic fasciitis
Pennsylvania (Drexel University College of Medicine) - Angiosarcoma
Pennsylvania (Magee Women's Hospital) - Ischemic fasciitis
Rhode Island (RI Hospital) - Ischemic fasciitis
Pennsylvania (St. Elizabeth Health Center) - Ischemic fasciitis (atypical decubital fibroplasias)
Texas (Christus Santa Rosa Children's Hospital) - Giant cell fibroblastoma vs. vascular tumor vs. well-differentiated sclerosing liposarcoma
Texas, Crystal Beach - Necrotic tissue possible including necrotic squamous carcinoma
Texas, Lubbock - Elastofibroma
Texas, Victoria - Decubital ischemic necrosis/fasciitis
Washington, DC - Pseudo-Kaposi sarcoma/angiodermatitis
West Virginia (Greenbrier Valley Medical Center) - Pressure necrosis
Australia (Sullivan Nicolaides Pathology) - Ischemic fasciitis
Canada (Sherbrooke University Hospital) - Angiosarcoma
Ireland (Kerry General Hospital) - Ischemic fasciitis
Japan (Asahi General Hospital) - Intra-muscular angioma
Oman (Khoula Hospital) - Ischemic fasciitis
United Kingdom (Oxford Study Group) - Ischemic fasciitis

Case 1 - Diagnosis:
Ischemic fasciitis (atypical decubital fibroplasia), parascapular
T-11280, M-49000

Case 1 - References:

Case No. 2, Accession No. 23564

Arcadia (ABC Laboratories) - Hemangioendothelioma
Long Beach (VA Long Beach Hospital) - Hemangioma (2)
Mountain View (El Camino Hospital) - Juvenile hemangioma
Oakland (BioMarin Pharmaceutical, Inc.) - Capillary hemangioma
Oxnard (St. John’s Regional Medical Center) - Hemangioendothelioma, infantile (1); Juvenile hemangioendothelioma (1); Hemangioendothelioma (1)
San Diego (Scripps Clinic) - Juvenile hemangioma
San Diego - Juvenile hemangioma
San Diego (Naval Medical Center) - Capillary hemangioma
San Francisco (University of California San Francisco) - Juvenile hemangioma
Santa Barbara - Atypical hemangioma
Santa Rosa (Santa Rosa Memorial Hospital) - Capillary hemangioma (3)
Sonoma (Sonoma Valley Hospital) - Capillary hemangioma
Woodland Hills (Kaiser Permanente Medical Center) - Juvenile hemangioma
Alabama (Baptist Medical Center) - Hemangioma of parotid
Alabama, Mt Olive - Juvenile hemangioma
Colorado, Ft. Collins - Cellular capillary hemangioma
Florida (Baptist Hospital Pensacola) - Juvenile hemangioma
Georgia, Decatur - Hemangioma
Illinois, Burr Ridge - Juvenile hemangioma
Illinois (Heartland Regional Medical Center) - Juvenile capillary hemangioma (infantile hemangioendothelioma)
Illinois (MacNeal Hospital) - Cellular capillary hemangioma

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Illinois (Sarah Bush Lincoln Health Center) - Juvenile hemangioma
Indiana (Pathology & Forensic Consultants) - Hemangiopericytoma (1); Capillary hemangioma of benign (infantile) hemangioendothelioma type (1)
Indiana (St. Joseph Hospital) - Juvenile hemangioma
Kansas (Cytocheck Laboratory, LLC) - Angiosarcoma
Kentucky (University of Louisville) - Juvenile capillary hemangioma
Minnesota (Fairview Ridges Hospital) - Juvenile hemangioma
Missouri (Missouri Delta Medical Center) - Hemangiopericytoma
Nebraska (Creighton University) - Hemangioendothelioma
Nevada (Sunrise Hospital) - Hemangioma
New Mexico, Albuquerque - Juvenile capillary hemangioma
New York (ECMC) - Juvenile hemangioma
New York (Long Island Jewish Medical Center) - Juvenile hemangioma
New York (Stony Brook University Residents) - Hemangioma
New York (SUNY Downstate Residents) - Juvenile capillary hemangioma
New York (Westchester Medical Center) - Capillary hemangioma
Ohio (McCullough-Hyde Memorial Hospital) - Hemangiopericytoma
Pennsylvania (Conemaugh Hospital) - Hemangioma (juvenile); ddx: Hemangiopericytoma
Pennsylvania (Drexel University College of Medicine) - Lobular capillary hemangioma
Pennsylvania (Magee Women’s Hospital) - Juvenile hemangioma
Rhode Island (RI Hospital) - Capillary hemangioma
Pennsylvania (St. Elizabeth Health Center) - Juvenile hemangioma
Texas (Christus Santa Rosa Children’s Hospital) - Capillary hemangioma
Texas, Crystal Beach - Hemangioma
Texas, Lubbock - Epithelioid hemangiopericytoma
Texas, Victoria - Capillary hemangioma
Washington, DC - Cellular (juvenile) hemangioma
West Virginia (Greenbrier Valley Medical Center) - Sialoblastoma
Australia (Sullivan Nicolaides Pathology) - Juvenile hemangioendothelioma (capillary hemangioma)
Canada (Sherbrooke University Hospital) - Juvenile hemangioma
Ireland (Kerry General Hospital) - Capillary hemangioma (infantile type)
Japan (Asahi General Hospital) - Juvenile hemangioma
Oman (Khoula Hospital) - Cellular hemangioma
United Kingdom (Oxford Study Group) - Infantile hemangioma

Case 2 - Diagnosis:
Cellular capillary “juvenile” hemangioma, parotid
T-55100, M-91301

Case 2 - References:
Case No. 3, Accession No. 30450  

Arcadia (ABC Laboratories) - Lipoma  
Long Beach (VA Long Beach Hospital) - Lipoma (2)  
Mountain View (El Camino Hospital) - Fibrolipoma  
Oakland (BioMarin Pharmaceutical, Inc.) - Lipoma  
Oxnard (St. John’s Regional Medical Center) - Lipoma (3)  
San Diego (Scripps Clinic) - Atypical lipomatous tumor  
San Diego - Lipoma  
San Diego (Naval Medical Center) - Lipoma (10); Atypical lipomatous tumor (4)  
San Francisco (University of California San Francisco) - Lipoma  
Santa Barbara - Atypical lipoma  
Santa Rosa (Santa Rosa Memorial Hospital) - Lipoma (2); Atypical lipomatous tumor (1)  
Sonoma (Sonoma Valley Hospital) - Lipoma  
Woodland Hills (Kaiser Permanente Medical Center) - Lipoma  
Alabama (Baptist Medical Center) - Lipoma  
Alabama, Mt Olive - Lipoma  
Colorado, Ft. Collins - Atypical lipoma  
Florida (Baptist Hospital Pensacola) - Lipoma  
Georgia, Decatur - Lipoma  
Illinois, Burr Ridge - Atypical lipoma  
Illinois (Heartland Regional Medical Center) - Atypical lipoma  
Illinois (MacNeal Hospital) - Lipoma  
Illinois (Sarah Bush Lincoln Health Center) - Fibrolipoma  
Indiana (Pathology & Forensic Consultants) - Lipoma (2)  
Indiana (St. Joseph Hospital) - Lipoma  
Kansas (Cytocheck Laboratory, LLC) - Lipoma  
Kentucky (University of Louisville) - Lipoma  
Minnesota (Fairview Ridges Hospital) - Fibrolipoma  
Missouri (Missouri Delta Medical Center) - Benign lipoma  
Nebraska (Creighton University) - Lipoma  
Nevada (Sunrise Hospital) - Lipoma  
New Mexico, Albuquerque - Lipoma vs. atypical lipomatous tumor  
New York (ECMC) - Lipoma  
New York (Long Island Jewish Medical Center) - Lipoma  
New York (Stony Brook University Residents) - Atypical lipomatous tumor/well-differentiated liposarcoma  
New York (SUNY Downstate Residents) - Atypical lipomatous tumor  
New York (Westchester Medical Center) - Lipoma  
Ohio (McCullough-Hyde Memorial Hospital) - Traumatized lipoma  
Pennsylvania (Conemaugh Hospital) - Lipoblastoma  
Pennsylvania (Drexel University College of Medicine) - Lipoma  
Pennsylvania (Magee Women’s Hospital) - Atypical lipoma  
Rhode Island (RI Hospital) - Lipoma  
Pennsylvania (St. Elizabeth Health Center) - Lipoma  
Texas (Christus Santa Rosa Children’s Hospital) - Mature subcutaneous lipoma  
Texas, Crystal Beach - Lipoma  
Texas, Lubbock - Atypical lipoma  
Texas, Victoria - Atypical lipoma  
Washington, DC - Fibrolipoma
West Virginia (Greenbrier Valley Medical Center) - Atypical lipoma
Australia (Sullivan Nicolaides Pathology) - Lipoma
Canada (Sherbrooke University Hospital) - Lipoma
Ireland (Kerry General Hospital) - Well-differentiated adipocytic lesion
Japan (Asashi General Hospital) - Lipoma
Oman (Khoula Hospital) - Atypical lipoma/lipoma
United Kingdom (Oxford Study Group) - Atypical lipomatous tumor

Case 3 - Diagnosis:
Lipoma, shoulder
T-Y1220, M-88500

Case 3 - References:

Case No. 4, Accession No. 30377 October 2007
Arcadia (ABC Laboratories) - Myxoid lipoma
Long Beach (VA Long Beach Hospital) - Spindle cell lipoma with myxoid changes (1); Spindle cell lipoma (1)
Mountain View (El Camino Hospital) - Spindle cell lipoma
Oakland (BioMarin Pharmaceutical, Inc.) - Myxoid liposarcoma
Oxnard (St. John's Regional Medical Center) - Myxoid lipoma (3)
San Diego (Scripps Clinic) - Spindle cell lipoma
San Diego - Spindle cell lipoma
San Diego (Naval Medical Center) - Spindle cell lipoma
San Francisco (University of California San Francisco) - Spindle cell lipoma
Santa Barbara - Myxolipoma
Santa Rosa (Santa Rosa Memorial Hospital) - Spindle cell lipoma (3)
Sonoma (Sonoma Valley Hospital) - Spindle cell lipoma
Woodland Hills (Kaiser Permanente Medical Center) - Spindle cell lipoma
Alabama (Baptist Medical Center) - Spindle cell lipoma
Alabama, Mt Olive - Chondroid lipoma
Colorado, Ft. Collins - Myxolipoma
Florida (Baptist Hospital Pensacola) - Lipoma with myxoid change
Georgia, Decatur - Spindle cell lipoma
Illinois, Burr Ridge - Spindle cell lipoma
Illinois (Heartland Regional Medical Center) - Spindle cell lipoma with myxoid stroma
Illinois (MacNeal Hospital) - Spindle cell lipoma
Illinois (Sarah Bush Lincoln Health Center) - Spindle cell lipoma
Indiana (Pathology & Forensic Consultants) - Low grade myxoid liposarcoma (1); Spindle cell lipoma/pleomorphic lipoma (1)
Indiana (St. Joseph Hospital) - Spindle cell lipoma with myxoid change
Kansas (Cytocheck Laboratory, LLC) - Fibrolipoma
Kentucky (University of Louisville) - Spindle cell lipoma
Minnesota (Fairview Ridges Hospital) - Spindle cell lipoma with myxoid changes
Missouri (Missouri Delta Medical Center) - Spindle cell lipoma
Nebraska (Creighton University) - Spindle cell carcinoma
Nevada (Sunrise Hospital) - Spindle cell lipoma
New Mexico, Albuquerque - Myxoid liposarcoma
New York (ECMC) - Neurofibroma vs. unclassified bland myxoid lesion of soft tissue
New York (Long Island Jewish Medical Center) - Spindle cell lipoma
New York (Stony Brook University Residents) - Spindle cell lipoma (with myxoid feature)
New York (SUNY Downstate Residents) - Spindle cell lipoma
New York (Westchester Medical Center) - Spindle cell lipoma
Ohio (McCullough-Hyde Memorial Hospital) - Myxoid liposarcoma
Pennsylvania (Conemaugh Hospital) - Spindle cell lipoma
Pennsylvania (Drexel University College of Medicine) - Myxoid spindle cell lipoma
Pennsylvania (Magee Women's Hospital) - Spindle cell lipoma
Rhode Island (RI Hospital) - Spindle cell lipoma
Pennsylvania (St. Elizabeth Health Center) - Lipoma with myxoid change, myxolipoma
Texas (Christus Santa Rosa Children's Hospital) - Chondroid lipoma
Texas, Crystal Beach - Myxolipoma vs. spindle cell lipoma
Texas, Lubbock - Spindle cell lipoma
Texas, Victoria - Spindle cell lipoma
Washington, DC - Spindle cell lipoma
West Virginia (Greenbrier Valley Medical Center) - Spindle cell lipoma
Australia (Sullivan Nicolaides Pathology) - Spindle cell lipoma
Canada (Sherbrooke University Hospital) - Spindle cell lipoma
Ireland (Kerry General Hospital) - Myxofibrosarcoma
Japan (Asashi General Hospital) - Spindle cell lipoma
Oman (Khoula Hospital) - Spindle cell lipoma
United Kingdom (Oxford Study Group) - Spindle cell lipoma

Case 4 - Diagnosis:
Spindle cell lipoma, post-auricular
T-Y0170, M-88570

Case 4 - References:

Case No. 5, Accession No. 30324

Arcadia (ABC Laboratories) - Schwannoma
Long Beach (VA Long Beach Hospital) - Ancient schwannom (2)

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</table>
Ireland (Kerry General Hospital) - Renal carcinoma with rhabdoid features
Japan (Asashi General Hospital) - Neurofibroma
Oman (Khoula Hospital) - Anton B schwannoma
United Kingdom (Oxford Study Group) - Neurofibroma (7); Schwannoma (3)

Case 5 - Diagnosis:
Myxoid neurofibroma, leg
T-Y9400, M-95400

Case 5 - References:

Case No. 6, Accession No. 30271

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Arcadia (ABC Laboratories) - Xanthogranulomatous inflammation
Long Beach (VA Long Beach Hospital) - Angiomyolipoma (2)
Mountain View (El Camino Hospital) - Angiomyolipoma
Oakland (BioMarin Pharmaceutical, Inc.) - Renal cell carcinoma
Oxnard (St. John's Regional Medical Center) - Juxtaglomerular cell tumor (3)
San Diego (Scripps Clinic) - Poorly differentiated malignant neoplasm
San Diego - Mixed epithelial and stromal tumor
San Diego (Naval Medical Center) - Xanthogranulomatous pyelonephritis
San Francisco (University of California San Francisco) - Angiomyolipoma
Santa Barbara - Leiomyosarcoma
Santa Rosa (Santa Rosa Memorial Hospital) - Low grade sarcoma, NOS (1); Low grade epithelioid variant of malignant peripheral nerve sheath tumor (MPNST) (1); Epithelioid angiomyolipoma (1)
Sonoma (Sonoma Valley Hospital) - Sarcomatoid renal cell carcinoma
Woodland Hills (Kaiser Permanente Medical Center) - Angiomyolipoma
Alabama (Baptist Medical Center) - Angiomyolipoma
Alabama, Mt Olive - Epithelioid angiomyolipoma
Colorado, Ft. Collins - Epithelioid angiomyolipoma
Florida (Baptist Hospital Pensacola) - Angiomyolipoma with leiomyoblasts
Georgia, Decatur - Epithelioid angiomyolipoma
Illinois, Burr Ridge - Epithelioid angiomyolipoma
Illinois (Heartland Regional Medical Center) - Renal cell carcinoma
Illinois (MacNeal Hospital) - Angiomyolipoma, fat poor
Illinois (Sarah Bush Lincoln Health Center) - Renal cell carcinoma (clear cell carcinoma) vs. clear cell sarcoma of soft parts vs. metastatic malignant melanoma
Indiana (Pathology & Forensic Consultants) - Malignant fibrous histiocytoma (1); Epithelioid angiomyolipoma (1)
Indiana (St. Joseph Hospital) - Granular renal cell carcinoma
Kansas (Cytocheck Laboratory, LLC) - Medullary renal cell carcinoma
Kentucky (University of Louisville) - Angiomyolipoma
Minnesota (Fairview Ridges Hospital) - Epithelioid angiomyolipoma
Missouri (Missouri Delta Medical Center) - Xanthogranulomatous changes (malakoplakia)
Nebraska (Creighton University) - Renal cell carcinoma
Nevada (Sunrise Hospital) - Epithelioid angiomyolipoma
New Mexico, Albuquerque - Epithelioid angiosarcoma
New York (ECMC) - Epithelioid angiomyolipoma
New York (Long Island Jewish Medical Center) - Epithelioid angiomyolipoma
New York (Stony Brook University Residents) - Epithelioid angiomyolipoma
New York (SUNY Downstate Residents) - Epithelioid angiomyolipoma
New York (Westchester Medical Center) - Angiomyolipoma
Ohio (McCullough-Hyde Memorial Hospital) - Renal cell carcinoma
Pennsylvania (Conemaugh Hospital) - Epithelioid angiomyolipoma
Pennsylvania (Magee Women's Hospital) - Renal and angiomyolipoma
Pennsylvania (St. Elizabeth Health Center) - Renal angiomyolipoma
Pennsylvania (St. Paul's Hospital) - SCHWANNOMA
Rhode Island (RI Hospital) - Epithelioid angiomyolipoma
Texas (Christus Santa Rosa Children's Hospital) - Paraganglioma vs. pheochromocytoma
Texas, Crystal Beach - Angiomyolipoma
Texas, Lubbock - Epithelioid angiomyolipoma
Texas, Victoria - Inflammation myofibroblastic tumor
Washington, DC - Epithelioid angiomyolipoma
West Virginia (Greenbrier Valley Medical Center) - Malakoplakia
Australia (Sullivan Nicolaides Pathology) - Epithelioid angiomyolipoma, kidney
Canada (Sherbrooke University Hospital) - Rhabdomyosarcoma
Ireland (Kerry General Hospital) - Schwannoma
Japan (Asahi General Hospital) - Epithelioid angiomyolipoma
Oman (Khoula Hospital) - Epithelioid angiomyolipoma
United Kingdom (Oxford Study Group) - Epithelioid angiomyolipoma

Case 6 - Diagnosis:
Epithelioid angiomyolipoma, peri-renal
T-71000, M-88600

Case 6 - References:

Case No. 7, Accession No. 30470
Arcadia (ABC Laboratories) - Schwannoma
Long Beach (VA Long Beach Hospital) - Schwannoma (2)
Mountain View (El Camino Hospital) - Schwannoma

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Oakland (BioMarin Pharmaceutical, Inc.) - Schwannoma
Oxnard (St. John’s Regional Medical Center) - Schwannoma (neurilemmoma)
San Diego (Scripps Clinic) - Neurilemmoma
San Diego - Schwannoma
San Diego (Naval Medical Center) - Schwannoma
San Francisco (University of California San Francisco) - Schwannoma
Santa Barbara - Schwannoma
Santa Rosa (Santa Rosa Memorial Hospital) - Schwannoma (3)
Sonoma (Sonoma Valley Hospital) - Schwannoma
Woodland Hills (Kaiser Permanente Medical Center) - Schwannoma
Alabama (Baptist Medical Center) - Schwannoma
Alabama, Mt Olive - Schwannoma
Colorado, Ft. Collins - Schwannoma (neurilemmoma)
Florida (Baptist Hospital Pensacola) - Schwannoma
Georgia, Decatur - Schwannoma
Illinois, Burr Ridge - Fibroma of tendon sheath
Illinois (Heartland Regional Medical Center) - Schwannoma
Illinois (MacNeal Hospital) - Schwannoma
Illinois (Sarah Bush Lincoln Health Center) - Schwannoma
Indiana (Pathology & Forensic Consultants) - Schwannoma (1); Fibromatosis (1)
Indiana (St. Joseph Hospital) - Schwannoma
Kansas (Cytocheck Laboratory, LLC) - Neurilemmoma
Kentucky (University of Louisville) - Schwannoma
Minnesota (Fairview Ridges Hospital) - Schwannoma
Missouri (Missouri Delta Medical Center) - Classic schwannoma (neurilemmoma)
Nebraska (Creighton University) - Schwannoma
Nevada (Sunrise Hospital) - Schwannoma
New Mexico, Albuquerque - Schwannoma with cystic features
New York (ECMC) - Schwannoma
New York (Long Island Jewish Medical Center) - Schwannoma
New York (Stony Brook University Residents) - Schwannoma
New York (SUNY Downstate Residents) - Schwannoma
New York (Westchester Medical Center) - Schwannoma
Ohio (McCullough-Hyde Memorial Hospital) - Neurilemmoma
Pennsylvania (Conemaugh Hospital) - Schwannoma
Pennsylvania (Drexel University College of Medicine) - Schwannoma
Pennsylvania (Magee Women’s Hospital) - Schwannoma
Rhode Island (RI Hospital) - Schwannoma
Pennsylvania (St. Elizabeth Health Center) - Schwannoma
Texas (Christus Santa Rosa Children’s Hospital) - Benign schwannoma
Texas, Crystal Beach - Schwannoma
Texas, Lubbock - Schwannoma
Texas, Victoria - Schwannoma
Washington, DC - Vascular leiomyoma/angioleiomyoma
West Virginia (Greenbrier Valley Medical Center) - Neurilemmoma
Australia (Sullivan Nicolaides Pathology) - Schwannoma
Canada (Sherbrooke University Hospital) - Schwannoma
Ireland (Kerry General Hospital) - Rhabdomyosarcoma, embryonal type, spindle cell
Case 7 - Diagnosis:
Schwannoma, ankle
T-Y9500, M-95600

Case 7 - References:

Case No. 8, Accession No. 30159  
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Arcadia (ABC Laboratories) - High grade leiomyosarcoma
Long Beach (VA Long Beach Hospital) - Rhabdomyosarcoma (2)
Mountain View (El Camino Hospital) - Rhabdomyosarcoma
Oakland (BioMarin Pharmaceutical, Inc.) - Rhabdomyosarcoma
Oxnard (St. John's Regional Medical Center) - Rhabdomyosarcoma (3)
San Diego (Scripps Clinic) - Rhabdomyosarcoma
San Diego - Spindle cell embryonal rhabdomyosarcoma
San Diego (Naval Medical Center) - Pleomorphic rhabdomyosarcoma
San Francisco (University of California San Francisco) - Rhabdomyosarcoma, embryonal
Santa Barbara - Leiomyosarcoma
Santa Rosa (Santa Rosa Memorial Hospital) - Rhabdomyosarcoma (3)
Sonoma (Sonoma Valley Hospital) - Embryonal rhabdomyosarcoma
Woodland Hills (Kaiser Permanente Medical Center) - Rhabdomyosarcoma
Alabama (Baptist Medical Center) - Embryonal rhabdomyosarcoma
Alabama, Mt Olive - Embryonal rhabdomyosarcoma
Colorado, Ft. Collins - Leiomyosarcoma
Florida (Baptist Hospital Pensacola) - Pleomorphic rhabdomyosarcoma
Georgia, Decatur - High grade sarcoma, rule out intimal sarcoma
Illinois, Burr Ridge - Rhabdomyosarcoma
Illinois (Heartland Regional Medical Center) - Embryonal rhabdomyosarcoma
Illinois (MacNeal Hospital) - Embryonal rhabdomyosarcoma
Illinois (Sarah Bush Lincoln Health Center) - High grade sarcoma
Indiana (Pathology & Forensic Consultants) - Alveolar rhabdomyosarcoma (1); Pleomorphic rhabdomyosarcoma (1)
Indiana (St. Joseph Hospital) - Alveolar rhabdomyosarcoma, solid pattern
Kentucky (University of Louisville) - Pleomorphic rhabdomyosarcoma
Minnesota (Fairview Ridges Hospital) - Alveolar rhabdomyosarcoma
Missouri (Missouri Delta Medical Center) - Myxoid liposarcoma

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Nebraska (Creighton University) - Embryonal rhabdomyosarcoma
Nevada (Sunrise Hospital) - Pleomorphic rhabdomyosarcoma
New Mexico, Albuquerque - Leiomyosarcoma
New York (ECMC) - Rhabdomyosarcoma
New York (Long Island Jewish Medical Center) - Embryo rhabdomyosarcoma
New York (Stony Brook University Residents) - Spindle cell rhabdomyosarcoma with anaplasia
New York (SUNY Downstate Residents) - Rhabdomyosarcoma
New York (Westchester Medical Center) - Pleomorphic rhabdomyosarcoma
Ohio (McCullough-Hyde Memorial Hospital) - Alveolar soft part sarcoma
Pennsylvania (Conemaugh Hospital) - Rhabdomyosarcoma
Pennsylvania (Drexel University College of Medicine) - Rhabdomyosarcoma
Pennsylvania (Magee Women’s Hospital) - Pleomorphic rhabdomyosarcoma
Rhode Island (RI Hospital) - Embryonal rhabdomyosarcoma
New York (Stony Brook University Residents) - Spindle cell rhabdomyosarcoma with anaplasia
Pennsylvania (CMa2ee Women’s Hospital) - Pleomorphic rhabdomyosarcoma
Pennsylvania (St. Elizabeth Health Center) - Pleomorphic rhabdomyosarcoma
Texas (Christus Santa Rosa Children’s Hospital) - Pleomorphic rhabdomyosarcoma
Texas, Crystal Beach - Malignant fibrous histiocytoma
Texas, Lubbock - Embryonal rhabdomyosarcoma
Texas, Victoria - MPNST with rhabdomyosarcoma differ
Washington, DC - Embryonal rhabdomyosarcoma
West Virginia (Greenbrier Valley Medical Center) - Rhabdomyosarcoma
Australia (Sullivan Nicolaides Pathology) - Alveolar rhabdomyosarcoma, solid variant
Canada (Sherbrooke University Hospital) - Rhabdomyosarcoma
Ireland (Kerry General Hospital) - Pleomorphic sarcoma, probably rhabdomyosarcoma
Japan (Asahi General Hospital) - Embryonal rhabdomyosarcoma
Oman (Khoul Hospital) - Anaplastic embryonal rhabdomyosarcoma
United Kingdom (Oxford Study Group) - Embryonal rhabdomyosarcoma

Case 8 - Diagnosis:
High Grade Pleomorphic Sarcoma/Pleomorphic rhabdomyosarcoma, mediastinum
T-Y2300, M-89003

Case 8 - References:

Case No. 9, Accession No. 30438

Arcadia (ABC Laboratories) - High grade pleomorphic malignant fibrous histiocytoma
Long Beach (VA Long Beach Hospital) - Sarcoma, NOS (2)
Mountain View (El Camino Hospital) - MFH pleomorphic, storiform type
Oakland (BioMarin Pharmaceutical, Inc.) - Malignant fibrous histiocytoma

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Oxnard (St. John’s Regional Medical Center) - Sarcoma (2); Myxoid liposarcoma (1)
San Diego (Scripps Clinic) - High grade sarcoma (pleomorphic-storiform MFH)
San Diego - Rhabdomyosarcoma
San Diego (Naval Medical Center) - High grade sarcoma favor MFH
San Francisco (University of California San Francisco) - High grade sarcoma
Santa Barbara - Malignant peripheral nerve sheath tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Malignant fibrous histiocytoma (3)
Sonoma (Sonoma Valley Hospital) - Pleomorphic liposarcoma
Woodland Hills (Kaiser Permanente Medical Center) - High grade sarcoma (MFH vs. leiomyosarcoma)
Alabama (Baptist Medical Center) - Pleomorphic liposarcoma
Alabama, Mt. Olive - High grade pleomorphic sarcoma, possibly a malignant peripheral nerve sheath tumor
Colorado, Ft. Collins - Rhabdomyosarcoma
Florida (Baptist Hospital Pensacola) - Malignant fibrous histiocytoma
Georgia, Decatur - Pleomorphic sarcoma (MFH)
Illinois, Burr Ridge - MPNST
Illinois (Heartland Regional Medical Center) - Malignant fibrous histiocytoma
Illinois (MacNeal Hospital) - High grade sarcoma, MFH
Illinois (Sarah Bush Lincoln Health Center) - Malignant fibrous histiocytoma
Indiana (Pathology & Forensic Consultants) - Malignant fibrous histiocytoma (2)
Indiana (St. Joseph Hospital) - Cellular fibrous histiocytoma
Kansas (Cytocheck Laboratory, LLC) - Proliferative fasciitis
Kentucky (University of Louisville) - Leiomyosarcoma
Minnesota (Fairview Ridges Hospital) - Malignant fibrous histiocytoma
Missouri (Missouri Delta Medical Center) - Pleomorphic liposarcoma
Nebraska (Creighton University) - High grade pleomorphic sarcoma
Nevada (Sunrise Hospital) - Malignant fibrous histiocytoma
New Mexico, Albuquerque - Pleomorphic sarcoma
New York (ECMC) - Dedifferentiated liposarcoma
New York (Long Island Jewish Medical Center) - Malignant fibrous histiocytoma
New York (Stony Brook University Residents) - Myxoinflammatory sarcoma
New York (SUNY Downstate Residents) - Malignant fibrous histiocytoma
New York (Westchester Medical Center) - Malignant fibrous histiocytoma
Ohio (McCullough-Hyde Memorial Hospital) - Malignant fibrous histiocytoma
Pennsylvania (Conemaugh Hospital) - Malignant fibrous histiocytoma
Pennsylvania (Drexel University College of Medicine) - Malignant fibrous histiocytoma
Pennsylvania (Magee Women's Hospital) - Dedifferentiated liposarcoma
Rhode Island (RI Hospital) - Pleomorphic malignant fibrous histiocytoma/undifferentiated high grade pleomorphic sarcoma
Pennsylvania (St. Elizabeth Health Center) - Pleomorphic rhabdomyosarcoma
Texas (Christus Santa Rosa Children's Hospital) - Rhabdomyosarcoma? spindle cell type
Texas, Crystal Beach - Malignant fibrous histiocytoma
Texas, Lubbock - Malignant fibrous histiocytoma
Texas, Victoria - Pleomorphic sarcoma (rhabdo?)
Washington, DC - Malignant fibrous histiocytoma
West Virginia (Greenbrier Valley Medical Center) - Epithelioid sarcoma
Australia (Sullivan Nicolaides Pathology) - Pleomorphic malignant fibrous histiocytoma
Canada (Sherbrooke University Hospital) - Myxofibrosarcoma
Ireland (Kerry General Hospital) - Pleomorphic sarcoma, probably rhabdomyosarcoma

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Japan (Asashi General Hospital) - Pleomorphic malignant fibrous histiocytoma
Oman (Khoula Hospital) - Malignant fibrous histiocytoma
United Kingdom (Oxford Study Group) - Pleomorphic undifferentiated sarcoma (MFH)

**Case 9 - Diagnosis:**
High grade pleomorphic sarcoma with phenotype of so-called MFH, posterior leg
T-Y9400, M-88303

**Case 9 - References:**

**Case No. 10, Accession No. 30330**

Arcadia (ABC Laboratories) - High grade chondrosarcoma
Long Beach (VA Long Beach Hospital) - Chondrosarcoma (2)
Mountain View (El Camino Hospital) - Extraskeletal myxoid chondrosarcoma
Oakland (BioMarin Pharmaceutical, Inc.) - Alveolar soft part sarcoma
Oxnard (St. John's Regional Medical Center) - Myxoid chondrosarcoma (1); Extraskeletal myxoid chondrosarcoma (1); Chondrosarcoma (1)
San Diego (Scripps Clinic) - Extraskeletal myxoid chondrosarcoma
San Diego - Extraskeletal myxoid chondrosarcoma
San Diego (Naval Medical Center) - Extraskeletal myxoid chondrosarcoma
San Francisco (University of California San Francisco) - Extraskeletal myxoid chondrosarcoma
Santa Barbara - Chondrosarcoma
Santa Rosa (Santa Rosa Memorial Hospital) - Chondrosarcoma (1); Extraskeletal chondrosarcoma with myxoid features (1)
Sonoma (Sonoma Valley Hospital) - Myxoid liposarcoma
Woodland Hills (Kaiser Permanente Medical Center) - Myxoid chondrosarcoma
Alabama (Baptist Medical Center) - Chondromyxoid fibroma
Alabama, Mt Olive - Extraskeletal myxoid chondrosarcoma
Colorado, Ft. Collins - Myxoid chondrosarcoma
Florida (Baptist Hospital Pensacola) - Myxoid chondrosarcoma
Georgia, Decatur - Extraskeletal myxoid chondrosarcoma
Illinois, Burr Ridge - Chondrosarcoma
Illinois (Heartland Regional Medical Center) - Myxoid chondrosarcoma
Illinois (MacNeal Hospital) - Extraskeletal myxoid chondrosarcoma
Illinois (Sarah Bush Lincoln Health Center) - Myxoid chondrosarcoma vs. chondroma
Indiana (Pathology & Forensic Consultants) - Myxoid chondrosarcoma (1); Dedifferentiated chondrosarcoma (1)
Indiana (St. Joseph Hospital) - Extraskeletal myxoid chondrosarcoma vs. myxoid liposarcoma
Kansas (Cytocheck Laboratory, LLC) - Chondrosarcoma

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Kentucky (University of Louisville) - Chordoma
Minnesota (Fairview Ridges Hospital) - Extraskeletal myxoid chondrosarcoma
Missouri (Missouri Delta Medical Center) - Chordoma
Nebraska (Creighton University) - Extraskeletal mesenchymal chondrosarcoma
Nevada (Sunrise Hospital) - Chondroma
New Mexico, Albuquerque - Myxoid chondrosarcoma
New York (ECMC) - Myxoid chondrosarcoma
New York (Long Island Jewish Medical Center) - Extraskeletal myxoid chondrosarcoma
New York (Stony Brook University Residents) - Chordoma
New York (SUNY Downstate Residents) - Extraskeletal myxoid chondrosarcoma
New York (Westchester Medical Center) - Chondrosarcoma
Ohio (McCullough-Hyde Memorial Hospital) - Chondrosarcoma
Pennsylvania (Cone Monough Hospital) - Chondrosarcoma
Pennsylvania (Drexel University College of Medicine) - Chondrosarcoma
Pennsylvania (Magee Women's Hospital) - Myxoid chondrosarcoma
Rhode Island (RI Hospital) - Extraskeletal myxoid chondrosarcoma
Pennsylvania (St. Elizabeth Health Center) - Chondrosarcoma
Texas (Christus Santa Rosa Children's Hospital) - Extraskeletal myxoid chondrosarcoma
Texas, Crystal Beach - Mucinous adenocarcinoma, necrotic
Texas, Lubbock - Extraskeletal chondrosarcoma
Texas, Victoria - Chordoma
Washington, DC - Myxoid chondrosarcoma/extraskeletal
West Virginia (Greenbrier Valley Medical Center) - Chondrosarcoma
Australia (Sullivan Nicolaides Pathology) - Mesenchymal chondrosarcoma
Canada (Sherbrooke University Hospital) - Extraskeletal chondrosarcoma
Ireland (Kerry General Hospital) - Extraskeletal myxoid chondrosarcoma
Japan (Asahi General Hospital) - Chordoma
Oman (Khoula Hospital) - Extraskeletal myxoid chondrosarcoma
United Kingdom (Oxford Study Group) - Extraskeletal myxoid chondrosarcoma

Case 10 - Diagnosis:
Extraskeletal myxoid chondrosarcoma
T-Y1600, M-92203

Case 10 - References: