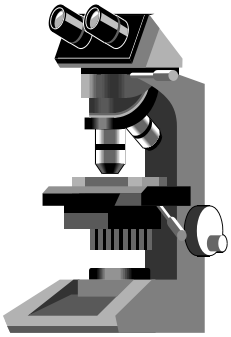
CALIFORNIA
TUMOR TISSUE REGISTRY

GENERAL PATHOLOGY

Minutes – Subscription B

October 2001



SUGGESTED READING (General Topics from Recent Literature):

Gastric Dysplasia. The Padova International Classification. Rugge M, Correa P, Dixon MF, et al. *Am J of Surg Pathol* 2000; 23(2):167-176.

Soft Tissue Sarcomas of the Groin. Diagnosis, Management, and Prognosis. Brooks ADB, Browne WB, Delgado R, et al. *J Am Coll Surg* 2001; 193(2):130-136.

Pathologic, Immunohistochemical, and Molecular Features of Benign and Malignant Phyllodes Tumors of the Breast. Kleer CG, Giodano TJ, et al. *Mod Pathol* 2001; 14(3):185-190.

Performance of the AutoPap Primary Screening System in the Detection of High-Risk Cases in Cervicovaginal Smears. Alasio LM, Alphandery C, et al. *Acta Cytol* 2001; 45:704-708.

Gastrointestinal Stromal Tumors, Intramural Leiomyomas, and Leiomyosarcomas in the Rectum and Anus. A Clinicopathologic, Immunohistochemical, and Molecular Genetic Study of 144 Cases. Miettinen M, Furlong M, et al. *Am J Surg Pathol* 2001; 25:1121-1133.

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FILE DIAGNOSES

CTTR Subscription B October 2001

Case 1:

Embryonal carcinoma, testis

T-28000, M-90703

Case 2:

Seminoma, testis

T-79400, M-90613

Case 3:

Moderate-poorly differentiated adenocarcinoma of gastroesophageal junction with focal signet-ring features

T-62000, M-81463

Case 4:

Papillary (chromophil) renal cell carcinoma, right kidney

T-71000, M-83123

Case 5:

Pancreatic endocrine neoplasm ("islet cell tumor")

T-59000, M-81500

Case 6:

Fibromatosis ("extra-abdominal desmoid tumor"), scapula

T-11280, M-76100

Case 7:

Adenomyoma, gallbladder

T-57000, M-72440

Case 8:

Myolipoma ("lipoleiomyoma"), abdomen

T-Y4300, M-88900

Case 9:

Leiomyosarcoma, thigh

T-Y9110, M-88903

Case 10:

Myxofibrosarcoma (so-called "myxoid malignant fibrous histiocytoma"), calf

T-Y9440, M-88103

Escondido - Embryonal carcinoma
Glendale (Glendale Pathology Associates) - Embryonal carcinoma
Loma Linda (LLUMC Residents) - Embryonal carcinoma
Los Angeles (USC Residents) - Embryonal carcinoma
Modesto (Yosemite Pathology Medical Group) - Embryonal carcinoma
Orange (UCI Medical Center) - Embryonal carcinoma
Alabama (Cunningham Pathology) - Embryonal carcinoma
Arizona (Phoenix Memorial Hospital) - Embryonal carcinoma
Colorado (Unipath) - Embryonal carcinoma
Florida (Hospital Pathologists) - Embryonal carcinoma
Florida (Munroe Regional Medical Center) - Mixed germ cell tumor predominately embryonal carcinoma
Florida (Winter Haven Hospital) - Embryonal carcinoma (2)
Georgia, Decatur - Embryonal carcinoma
Illinois (Marion Memorial Hospital) - Embryonal carcinoma
Illinois, Skokie - Embryonal carcinoma
Indiana, Fort Wayne - Embryonal carcinoma, left testis
Kansas (Coffeyville Regional Medical Center) - Embryonal carcinoma
Kentucky (University of Louisville Residents) - Embryonal carcinoma
Louisiana, New Orleans - Embryonal carcinoma
Maryland (National Naval Medical Center) - Germ cell tumor – embryonal carcinoma (8)
Maryland (University of Maryland) - Embryonal carcinoma
Massachusetts (Berkshire Medical Center) - Non-Seminoma Germ Cell Tumor, predominantly yolk sac
Massachusetts (Brigham and Women's Residents) - Embryonal carcinoma
Michigan (Henry Ford Hospital) - Embryonal carcinoma
Michigan (St. Joseph Mercy Hospital) - Embryonal carcinoma (4)
Michigan (Spectrum Health) - Embryonal carcinoma
Missouri (Ferguson's Medical Labs) - Embryonal carcinoma
Nebraska (Good Samaritan Hospital) - Embryonal carcinoma
New Jersey (New Jersey Dermatopathology Lab) - Embryonal carcinoma
New York (Quest Diagnostics) - Seminoma and embryonal carcinoma (malignant mixed germ cell tumor)
Ohio, Columbus - Embryonal carcinoma
Ohio (Medical College of Ohio) - Embryonal carcinoma
Pennsylvania (Allegheny General Hospital) - Embryonal carcinoma
Pennsylvania (Conemaugh Medical Center Residents) - Embryonal carcinoma
Pennsylvania, Sewickley - Embryonal carcinoma
Puerto Rico (University of Puerto Rico) - Embryonal carcinoma
Tennessee, Nashville - Embryonal carcinoma
Texas, Lubbock - Embryonal carcinoma
Texas, San Antonio - Embryonal carcinoma (2)
Texas (Scott & White Memorial Hospital) - Embryonal carcinoma
Texas (Shannon Clinic Pathology Lab) - Embryonal carcinoma
Utah (St. Mark's Hospital) - Embryonal carcinoma
Washington, Vancouver - Embryonal carcinoma
Washington, DC - Embryonal carcinoma
Wisconsin, Muskego - Embryonal carcinoma
Canada (CUSE, Site Fleurimont) - Embryonal carcinoma
China (Sir Run Run Shaw Hospital) - Embryonal carcinoma
Japan (Hamanatsu University School of Medicine) - Embryonal carcinoma
Japan (Kawasaki Medical School Hospital) - Embryonal carcinoma
Malaysia (University Kebangsaan Malaysia) - Embryonal carcinoma
Netherlands - Embryonal carcinoma

Singapore (Tan Tock Hospital Pte. Ldt.) - Embryonal carcinoma

Case 1 - Diagnosis:

Embryonal carcinoma, testis

T-28000, M-90703

Case 1 - References:

Chaganti RSK and Bose GJ. Germ Cell Tumors. Unraveling a Biological Paradox. *Lab Invest* 1995; 73:593-595.

Moul JW, McCarthy WF, Fernandez EB, et al. Percentage of Embryonal Carcinoma and of Vascular Invasion Predicts Pathological Stage in Clinical Stage I Nonseminomatous Testicular Cancer. *Cancer Res* 1994; 54(2):362-364.

Shek TW, Luk IS and Yuen ST. The Need to Recognize Germ Cell Tumor in Metastatic Poorly Differentiated Carcinoma with Unknown Primary Site. *J Surg Oncol* 1995; 60(2):135-136.

Latza U, Foss HD, Durkop H, et al. CD30 Antigen in Embryonal Carcinoma and Embryogenesis and Release of the Soluble Molecule. *Am J Pathol* 1995; 146(2):463-471.

Case No. 2, Accession No. 29065 October 2001

Escondido - Seminoma
Glendale (Glendale Pathology Associates) - Seminoma
Loma Linda (LLUMC Residents) - Seminoma
Los Angeles (USC Residents) - Classic seminoma
Modesto (Yosemite Pathology Medical Group) - Seminoma
Orange (UCI Medical Center) - Seminoma
Alabama (Cunningham Pathology) - Seminoma
Arizona (Phoenix Memorial Hospital) - Seminoma
Colorado (Unipath) - Embryonal carcinoma
Florida (Hospital Pathologists) - Seminoma
Florida (Munroe Regional Medical Center) - Seminoma
Florida (Winter Haven Hospital) - Seminoma (2)
Georgia, Decatur - Seminoma with syncytiotrophoblastic giant cells
Illinois (Marion Memorial Hospital) - Seminoma
Illinois, Skokie - Seminoma
Indiana, Fort Wayne - Seminoma (clear cell variant), right testis
Kansas (Coffeyville Regional Medical Center) - Seminoma
Kentucky (University of Louisville Residents) - Anaplastic seminoma
Louisiana, New Orleans - Seminoma
Maryland (National Naval Medical Center) - Seminoma (8)
Maryland (University of Maryland) - Seminoma
Massachusetts (Berkshire Medical Center) - Seminoma
Massachusetts (Brigham and Women's Residents) - Seminoma
Michigan (Henry Ford Hospital) - Seminoma
Michigan (St. Joseph Mercy Hospital) - Seminoma (4)
Michigan (Spectrum Health) - Seminoma
Missouri (Ferguson's Medical Labs) - Seminoma, anaplastic
Nebraska (Good Samaritan Hospital) - Seminoma
New Jersey (New Jersey Dermatopathology Lab) - Seminoma
New York (Quest Diagnostics) - Seminoma
Ohio, Columbus - Seminoma
Ohio (Medical College of Ohio) - Classic seminoma
Pennsylvania (Allegheny General Hospital) - Seminoma, anaplastic
Pennsylvania (Conemaugh Medical Center Residents) - Seminoma
Pennsylvania, Sewickley - Seminoma
Puerto Rico (University of Puerto Rico) - Seminoma, classic

Tennessee, Nashville - Seminoma
Texas, Lubbock - Seminoma
Texas, San Antonio - Seminoma (2)
Texas (Scott & White Memorial Hospital) - Classic seminoma
Texas (Shannon Clinic Pathology Lab) - Seminoma
Utah (St. Mark's Hospital) - Seminoma
Washington, Vancouver - Seminoma with syncytial trophoblast
Washington, DC - Seminoma
Wisconsin, Muskego - Seminoma
Canada (CUSE, Site Fleurimont) - Seminoma, classic
China (Sir Run Run Shaw Hospital) - Seminoma
Japan (Hamanatsu University School of Medicine) - Seminoma
Japan (Kawasaki Medical School Hospital) - Seminoma (5)
Malaysia (University Kebangsaan Malaysia) - Seminoma
Netherlands - Classic seminoma
Singapore (Tan Tock Hospital Pte. Ldt.) - Seminoma

Case 2 – Diagnosis:
Seminoma, testis
T-79400, M-90613

Case 2 - References:

Czaja JT and Ulbright TM. Evidence for Transformation of Seminoma to Yolk Sac Tumor with Histogenic Considerations. *Am J Clin Pathol* 1992; 97(4):468-477.
Michael H, Lucia J, et al. The Pathology of Late Recurrence of Testicular Germ Cell Tumors. *Am J Surg Pathol* 2000; 24(2):257-273.
Babaian RJ and Zagars GK. Testicular Seminoma The MD Anderson Experience. An Analysis of Pathological and Patient Characteristics, and Treatment Recommendations. *J Urol* 1988; 139(2):311-314.
Harland SJ, Cook PA, Fossa SD, et al. Intratubular Germ Cell Neoplasia of the Contralateral Testis in Testicular Cancer. Defining a High Risk Group. *J Urol* 1998; 160(4):1353-1357.

Case No. 3, Accession No. 29143 October 2001

Escondido - Gastric adenocarcinoma with signet ring cell features
Glendale (Glendale Pathology Associates) - Esophageal adenocarcinoma
Loma Linda (LLUMC Residents) - Poorly differentiated adenocarcinoma with involved deep surgical margin
Los Angeles (USC Residents) - Esophageal adenocarcinoma
Modesto (Yosemite Pathology Medical Group) - Infiltrating moderately differentiated adenocarcinoma
Orange (UCI Medical Center) - Invasive adenocarcinoma
Alabama (Cunningham Pathology) - Invasive moderately differentiated adenocarcinoma with signet ring component
Arizona (Phoenix Memorial Hospital) - Adenocarcinoma, proximal stomach
Colorado (Unipath) - Adenocarcinoma
Florida (Hospital Pathologists) - Adenocarcinoma
Florida (Munroe Regional Medical Center) - Adenocarcinoma
Florida (Winter Haven Hospital) - Adenocarcinoma (2)
Georgia, Decatur - Adenocarcinoma of the gastroesophageal junction
Illinois (Marion Memorial Hospital) - Adenocarcinoma
Illinois, Skokie - Adenocarcinoma, esophagus
Indiana, Fort Wayne - Mixed signet ring/intestinal adenocarcinoma of proximal stomach with involvement of gastroesophageal junction
Kansas (Coffeyville Regional Medical Center) - Infiltrating adenocarcinoma, GE junction
Kentucky (University of Louisville Residents) - Moderate to poorly differentiated adenocarcinoma, gastric type
Louisiana, New Orleans - Esophageal adenocarcinoma

Maryland (National Naval Medical Center) - Moderate-poorly differentiated adenocarcinoma (8)
Maryland (University of Maryland) - Adenocarcinoma, intestinal type with neuroendocrine features
Massachusetts (Berkshire Medical Center) - Infiltrating adenocarcinoma, probable gastric origin
Massachusetts (Brigham and Women's Residents) - Poorly differentiated adenocarcinoma with focal signet ring features
Michigan (Henry Ford Hospital) - Adenocarcinoma
Michigan (St. Joseph Mercy Hospital) - Adenocarcinoma (4)
Michigan (Spectrum Health) - Adenocarcinoma
Missouri (Ferguson's Medical Labs) - Adenocarcinoma with extensive hyperplastic invasion
Nebraska (Good Samaritan Hospital) - Invasive poorly differentiated adenocarcinoma
New Jersey (New Jersey Dermatopathology Lab) - Adenocarcinoma with carcinoid features
New York (Quest Diagnostics) - Infiltrating poorly differentiated adenocarcinoma
Ohio, Columbus - Adenocarcinoma
Ohio (Medical College of Ohio) - Adenocarcinoma of cardia with lymphangitic spread
Pennsylvania (Allegheny General Hospital) - Adenocarcinoma
Pennsylvania (Conemaugh Medical Center Residents) - Adenocarcinoma
Pennsylvania, Sewickley - Adenocarcinoma, multiple patterns
Puerto Rico (University of Puerto Rico) - Adenocarcinoma
Tennessee, Nashville - Adenocarcinoma
Texas, Lubbock - Adenocarcinoma
Texas, San Antonio - Adenocarcinoma (1); Moderately differentiated adenocarcinoma (1)
Texas (Scott & White Memorial Hospital) - Poorly differentiated adenocarcinoma
Texas (Shannon Clinic Pathology Lab) - Adenocarcinoma
Utah (St. Mark's Hospital) - Adenocarcinoma
Washington, Vancouver - Poorly differentiated adenocarcinoma
Washington, DC - Invasive adenocarcinoma
Wisconsin, Muskego - Adenocarcinoma including well-differentiated, poorly differentiated and signet ring cell components
Canada (CUSE, Site Fleurimont) - Adenocarcinoma, infiltrative type
China (Sir Run Run Shaw Hospital) - Adenocarcinoma of esophagus
Japan (Hamanatsu University School of Medicine) - Adenocarcinoma
Japan (Kawasaki Medical School Hospital) - Adenocarcinoma (5)
Malaysia (University Kebangsaan Malaysia) - Well-differentiated adenocarcinoma
Netherlands - Moderately differentiated adenocarcinoma and angioinvasion
Singapore (Tan Tock Hospital Pte. Ldt.) - Adenocarcinoma

Case 3 - Diagnosis:

Moderate-poorly differentiated adenocarcinoma of gastroesophageal junction with focal signet-ring features

T-62000, M-81463

Case 3 – References:

Goldblum JR, Vicari JJ, Falk GW, et al. Inflammation and Intestinal Metaplasia of the Gastric Cardia. The Role of Gastro-Esophageal Reflux and H Pylori Infection. *Gastroenterol* 1998; 114(4):633-639.
Glickman JN, Wang H, Das M, et al. Phenotype of Barrett's Esophagus and Intestinal Metaplasia of the Distal Esophagus and Gastroesophageal Junction. An Immunohistochemical Study of Cytokeratins 7 and 20, Das-1 and 45 MI. *Am J Surg Pathol* 2001; 25(1):87-94.
Schneeberger AL, Finley RJ, Trosterm, et al. The Prognostic Significance of Tumor Ploidy and Pathology in Adenocarcinoma of the Esophagogastric Junction. *Cancer* 1990; 65(5):1206-1210.
Kalish RJ, Clancy PE, Orringer MBE, et al. Clinical Epidermiologic and Morphologic Comparison Between Adenocarcinomas Arising in Barrett's Esophageal Mucosa and in the Gastric Cardia. *Gastroenterol* 1984; 86(3):461-467.

Case No. 4, Accession No. 29150 October 2001

Escondido - Papillary renal cell carcinoma

Glendale (Glendale Pathology Associates) - Papillary renal cell carcinoma, chromophil type
Loma Linda (LLUMC Residents) - Chromophil (papillary) renal cell carcinoma
Los Angeles (USC Residents) - Papillary renal cell carcinoma
Modesto (Yosemite Pathology Medical Group) - Papillary renal cell carcinoma
Orange (UCI Medical Center) - Papillary carcinoma of kidney
Alabama (Cunningham Pathology) - Renal cell carcinoma, collecting duct type
Arizona (Phoenix Memorial Hospital) - Papillary renal cell carcinoma
Colorado (Unipath) - Renal cell carcinoma
Florida (Hospital Pathologists) - Renal cell carcinoma
Florida (Munroe Regional Medical Center) - Renal cell carcinoma
Florida (Winter Haven Hospital) - Tubulopapillary adenocarcinoma (1); Renal cell carcinoma (1)
Georgia, Decatur - Papillary renal cell carcinoma
Illinois (Marion Memorial Hospital) - Papillary renal cell carcinoma
Illinois, Skokie - Renal cell carcinoma
Indiana, Fort Wayne - Chromophil renal cell carcinoma (papillary renal cell carcinoma), right kidney
Kansas (Coffeyville Regional Medical Center) - Renal papillary carcinoma
Kentucky (University of Louisville Residents) - Papillary renal cell carcinoma
Louisiana, New Orleans - Papillary renal cell carcinoma
Maryland (National Naval Medical Center) - Papillary renal cell carcinoma (8)
Maryland (University of Maryland) - Chromophil renal cell carcinoma, papillary variant
Massachusetts (Berkshire Medical Center) - Renal cell carcinoma, papillary type
Massachusetts (Brigham and Women's Residents) - Papillary renal cell carcinoma
Michigan (Henry Ford Hospital) - Papillary renal cell carcinoma
Michigan (St. Joseph Mercy Hospital) - Papillary renal cell carcinoma (4)
Michigan (Spectrum Health) - Chromophil renal cell carcinoma
Missouri (Ferguson's Medical Labs) - Papillary renal cell carcinoma
Nebraska (Good Samaritan Hospital) - Renal cell carcinoma, papillary type
New Jersey (New Jersey Dermatopathology Lab) - Papillary renal cell carcinoma
New York (Quest Diagnostics) - Papillary renal cell carcinoma
Ohio, Columbus - Papillary renal cell carcinoma
Ohio (Medical College of Ohio) - Papillary adenocarcinoma (chromophil carcinoma)
Pennsylvania (Allegheny General Hospital) - Papillary carcinoma of kidney
Pennsylvania (Conemaugh Medical Center Residents) - Papillary renal cell carcinoma
Pennsylvania, Sewickley - Papillary carcinoma
Puerto Rico (University of Puerto Rico) - Papillary renal cell carcinoma
Tennessee, Nashville - Renal cell carcinoma, clear cell type
Texas, Lubbock - Papillary carcinoma
Texas, San Antonio - Papillary renal cell carcinoma (2)
Texas (Scott & White Memorial Hospital) - Papillary renal cell carcinoma
Texas (Shannon Clinic Pathology Lab) - Papillary renal cell carcinoma
Utah (St. Mark's Hospital) - Renal cell carcinoma
Washington, Vancouver - Renal cell carcinoma, papillary type
Washington, DC - Papillary renal cell carcinoma
Wisconsin, Muskego - Papillary carcinoma, kidney vs. thyroid primary
Canada (CUSE, Site Fleurimont) - Chromophil renal cell carcinoma
China (Sir Run Run Shaw Hospital) - Papillary renal cell carcinoma
Japan (Hamanatsu University School of Medicine) - Bellini duct carcinoma
Japan (Kawasaki Medical School Hospital) - Papillary renal cell carcinoma (5)
Malaysia (University Kebangsaan Malaysia) - Papillary renal cell carcinoma
Netherlands - Chromophil renal cell carcinoma
Singapore (Tan Tock Hospital Pte. Ldt.) - Papillary renal cell carcinoma

Case 4 – Diagnosis:

Papillary (chromophil) renal cell carcinoma, right kidney

T-71000, M-83123

Case 4 - References:

Gettman MT, Blute ML, Spotts B, et al. Pathologic Staging of Renal Cell Carcinoma. Significance of Tumor Classification with the 1997 TNM Staging System. *Cancer* 2001; 91(2):354-361.

Amin MB, Corless CL, Renshaw, et al. Papillary (Chromophil) Renal Cell Carcinoma. Histomorphologic Characteristics and Evaluation of Conventional Pathologic, Prognostic Parameters in 62 Cases. *Am J Surg Pathol* 1997; 21(6):621-635.

Bostwick DG and Eble JN. Diagnosis and Classification of Renal Cell Carcinoma. *Urol Clin North Am* 1999; 26(3):627-635.

Cohen HT. Advances in the Molecular Basis of Renal Neoplasia. *Curr Opin Nephrol Hypertens* 1999; 8(3):325-331.

Stadler W and Vogelzang NJ. Human Renal Cancer Carcinogenesis. A Review of Recent Advances. *Ann Oncol* 1993; 4(6):451-462.

Case No. 5, Accession No. 29137 October 2001

Escondido - Pancreatic endocrine neoplasm

Glendale (Glendale Pathology Associates) - Islet cell tumor

Loma Linda (LLUMC Residents) - Pancreatic endocrine carcinoma with vascular invasion

Los Angeles (USC Residents) - Neuroendocrine carcinoma

Modesto (Yosemite Pathology Medical Group) - Endocrine tumor

Orange (UCI Medical Center) - Islet cell tumor

Alabama (Cunningham Pathology) - Endocrine carcinoma

Arizona (Phoenix Memorial Hospital) - Acinar cell carcinoma

Colorado (Unipath) - Endocrine neoplasm

Florida (Hospital Pathologists) - Neuroendocrine tumor

Florida (Munroe Regional Medical Center) - Neuroendocrine tumor

Florida (Winter Haven Hospital) - Neuroendocrine carcinoma (1); Solitary/cystic epithelial neoplasm (1)

Georgia, Decatur - Pancreatic endocrine tumor

Illinois (Marion Memorial Hospital) - Islet cell tumor (endocrine tumor of pancreas)

Illinois, Skokie - Neuroendocrine tumor of pancreas

Indiana, Fort Wayne - Endocrine tumor of pancreas (islet cell tumor)

Kansas (Coffeyville Regional Medical Center) - Endocrine carcinoma

Kentucky (University of Louisville Residents) - Islet cell tumor, insulinoma

Louisiana, New Orleans - Tumor of the endocrine pancreas

Maryland (National Naval Medical Center) - Islet cell tumor (7); Mixed acinar islet cell tumor (1); Paraganglioma (1)

Maryland (University of Maryland) - Pancreatic endocrine tumor suggestive of insulinoma

Massachusetts (Berkshire Medical Center) - Islet cell tumor vs. neuroendocrine tumor

Massachusetts (Brigham and Women's Residents) - Pancreatic endocrine neoplasm

Michigan (Henry Ford Hospital) - Pancreatic neuroendocrine neoplasm

Michigan (St. Joseph Mercy Hospital) - Islet cell tumor (4)

Michigan (Spectrum Health) - Endocrine carcinoma

Missouri (Ferguson's Medical Labs) - Islet cell tumor

Nebraska (Good Samaritan Hospital) - Pancreatic endocrine carcinoma

New Jersey (New Jersey Dermatopathology Lab) - Poorly differentiated endocrine carcinoma

New York (Quest Diagnostics) - Pancreatic endocrine neoplasm

Ohio, Columbus - Neuroendocrine tumor

Ohio (Medical College of Ohio) - Islet cell tumor

Pennsylvania (Allegheny General Hospital) - Moderately differentiated neuroendocrine adenocarcinoma

Pennsylvania (Conemaugh Medical Center Residents) - Acinar cell carcinoma

Pennsylvania, Sewickley - Neuroendocrine carcinoma, trabecular type

Puerto Rico (University of Puerto Rico) - Neuroendocrine neoplasia

Tennessee, Nashville - Endocrine neoplasm

Texas, Lubbock - Islet cell tumor
Texas, San Antonio - Pancreatic endocrine carcinoma (1); Islet cell tumor (1)
Texas (Scott & White Memorial Hospital) - Pancreatic islet cell tumor
Texas (Shannon Clinic Pathology Lab) - Pancreatic endocrine tumor
Utah (St. Mark's Hospital) - Pancreatic endocrine tumor
Washington, Vancouver - Endocrine tumor with a trabecular pattern
Washington, DC - Pancreatic endocrine tumor
Wisconsin, Muskego - Endocrine neoplasm, favor carcinoma
Canada (CUSE, Site Fleurimont) - Endocrine neoplasm
China (Sir Run Run Shaw Hospital) - Islet cell tumor
Japan (Hamanatsu University School of Medicine) - Endocrine carcinoma
Japan (Kawasaki Medical School Hospital) - Islet cell tumor (3); Gangliocytic paraganglioma (1); Adenocarcinoma (1)
Malaysia (University Kebangsaan Malaysia) - Acinar cell carcinoma
Netherlands - Endocrine tumor of pancreas
Singapore (Tan Tock Hospital Pte. Ldt.) - Pancreatic endocrine neoplasm

Case 5 – Diagnosis:

Pancreatic endocrine neoplasm ("islet cell tumor")
T-59000, M-81500

Case 5 - References:

Albores-Saavedra HC, Heffess C, Hruban RH, et al. Recommendations for the Reporting of Pancreatic Specimens Containing Malignant Tumors. The Association of Directors of Anatomic and Surgical Pathology. *Am J Clin Pathol* 1999; 111(3):304-307.
Kenny BD, Sloan JM, Hamilton PW, et al. The Role of Morphometry in Predicting Prognosis in Pancreatic Islet Cell Tumor. *Cancer* 1989; 64(2):460-465.
Kimura W, Kuroda A and Morioka Y. Clinical Pathology of Endocrine Tumors of the Pancreas. Analysis of Autopsy Cases. *Dig Dis Sci* 1991; 36(7):933-942.
De Jong SA, Pickleman J and Rainsford K. Nonductal Tumors of the Pancreas – The Importance of Laparotomy. *Arch Surg* 1993; 128(7):730-736.
McKinnon JG,. Palliative Treatment of Neuroendocrine Tumors. *Sem in Surg Oncol* 1993; 9(5):453-458.

Case No. 6, Accession No. 29061 October 2001

Escondido - Smooth muscle tumor of uncertain malignant potential
Glendale (Glendale Pathology Associates) - Fibromatosis, desmoid type
Loma Linda (LLUMC Residents) - Fibroma of the tendon sheath
Los Angeles (USC Residents) - Fibromatosis
Modesto (Yosemite Pathology Medical Group) - Extra-abdominal fibromatosis
Orange (UCI Medical Center) - Fibromatosis
Alabama (Cunningham Pathology) - Leiomyoma
Arizona (Phoenix Memorial Hospital) - Extra-abdominal desmoid fibromatosis
Colorado (Unipath) - Leiomyosarcoma
Florida (Hospital Pathologists) - Fibromatosis
Florida (Munroe Regional Medical Center) - Desmoid
Florida (Winter Haven Hospital) - Fibromatosis (1); Rhabdomyoma (1)
Georgia, Decatur - Fibromatosis
Illinois (Marion Memorial Hospital) - Fibromatosis
Illinois, Skokie - Desmoid tumor
Indiana, Fort Wayne - Desmoid fibromatosis, scapular region
Kansas (Coffeyville Regional Medical Center) - Fibrous tumor (extra-abdominal desmoid?)
Kentucky (University of Louisville Residents) - Extra-abdominal desmoid
Louisiana, New Orleans - Fibromatosis
Maryland (National Naval Medical Center) - Extra-abdominal desmoid tumor (8)

Maryland (University of Maryland) - Fibromatosis vs. leiomyoma
Massachusetts (Berkshire Medical Center) - Fibromatosis
Massachusetts (Brigham and Women's Residents) - Desmoid fibromatosis
Michigan (Henry Ford Hospital) - Fibromatosis
Michigan (St. Joseph Mercy Hospital) - Fibromatosis (2); Low grade fibromyxoid sarcoma (2)
Michigan (Spectrum Health) - Elastofibroma
Missouri (Ferguson's Medical Labs) - Nodular fasciitis
Nebraska (Good Samaritan Hospital) - Leiomyosarcoma
New Jersey (New Jersey Dermatopathology Lab) - Fibromatosis
New York (Quest Diagnostics) - Fibromatosis
Ohio, Columbus - Fibromatosis
Ohio (Medical College of Ohio) - Aggressive fibromatosis
Pennsylvania (Allegheny General Hospital) - Fibromatosis
Pennsylvania (Conemaugh Medical Center Residents) - Fibromatosis (desmoid)
Pennsylvania, Sewickley - Fibromatosis
Puerto Rico (University of Puerto Rico) - Extra-abdominal fibromatosis
Tennessee, Nashville - Leiomyoma
Texas, Lubbock - Leiomyoma
Texas, San Antonio - Fibromatosis (2)
Texas (Scott & White Memorial Hospital) - Extra-abdominal desmoid tumor
Texas (Shannon Clinic Pathology Lab) - Desmoplastic fibroma
Utah (St. Mark's Hospital) - Extra-abdominal fibromatosis/desmoid
Washington, Vancouver - Cutaneous leiomyoma
Washington, DC - Desmoid
Wisconsin, Muskego - Extra-abdominal fibromatosis
Canada (CUSE, Site Fleurimont) - Myofibroblastic tumor
China (Sir Run Run Shaw Hospital) - Fibromatosis
Japan (Hamanatsu University School of Medicine) - Desmoid
Japan (Kawasaki Medical School Hospital) - Desmoid tumor (5)
Malaysia (University Kebangsaan Malaysia) - Leiomyosarcoma
Netherlands - Fibromatosis
Singapore (Tan Tock Hospital Pte. Ldt.) - Extra-abdominal desmoid fibromatosis

Case 6 - Diagnosis:

Fibromatosis ("extra-abdominal desmoid tumor"), scapula

T-11280, M-76100

Case 6 - References:

Li M, Cordon-Cardo C, Gerald WL and Rosai J. Desmoid Fibromatosis is a Clonal Process. *Hum Pathol* 1996; 27(9):939-943.
Oshiro U, Fukuda T and Tsuneyoshi M. Fibrosarcoma vs. Fibromatoses and Cellular Nodular Fasciitis. A Comparative Study of their Proliferative Activity Using Proliferating Cell Nuclear Antigen DNA Flow Cytometry, and p53. *Am J Surg Pathol* 1994; 18(7):712-719.
Bridge JA, Sreekantaiah C, Mouron B, et al. Clonal Chromosomal Abnormalities and Desmoid Tumors. Implication for Histopathogenesis. *Cancer* 1992; 69(2):430-436.
Allen PW. The Fibromatoses. A Clinicopathologic Classification Based on 140 Cases. *Am J Surg Pathol* 1977; 1(3):255-270.

Case No. 7, Accession No. 29102 October 2001

Escondido - Adenomyoma
Glendale (Glendale Pathology Associates) - Cholecystitis cystica profunda
Loma Linda (LLUMC Residents) - Adenomyoma of the gallbladder
Los Angeles (USC Residents) - Adenomyoma
Modesto (Yosemite Pathology Medical Group) - Fundal adenomyoma

Orange (UCI Medical Center) - Adenomyoma
Alabama (Cunningham Pathology) - Cystadenoma
Arizona (Phoenix Memorial Hospital) - Adenomyoma
Colorado (Unipath) - Cystadenoma
Florida (Hospital Pathologists) - Cystadenoma
Florida (Munroe Regional Medical Center) - Cystadenoma
Florida (Winter Haven Hospital) - Cystic adenomyosis (1); Adenoma (1)
Georgia, Decatur - Adenomyoma
Illinois (Marion Memorial Hospital) - Chronic cholecystitis and adenomyoma
Illinois, Skokie - Cystadenoma
Indiana, Fort Wayne - Adenomyoma, gallbladder (adenomyomatous proliferation/cholecystitis glandularis proliferans)
Kansas (Coffeyville Regional Medical Center) - Adenomyosis
Kentucky (University of Louisville Residents) - Cystadenoma, serous
Louisiana, New Orleans - Adenomyoma
Maryland (National Naval Medical Center) - Adenomyoma (localized adenomyomatous hyperplasia) (9)
Maryland (University of Maryland) - Adenomyoma of gallbladder
Massachusetts (Berkshire Medical Center) - Adenomyoma vs. cystadenoma
Massachusetts (Brigham and Women's Residents) - Adenomyoma vs. cystadenoma
Michigan (Henry Ford Hospital) - Adenomyomatous hyperplasia of gallbladder
Michigan (St. Joseph Mercy Hospital) - Adenomyoma (3); Adenocarcinoma (1)
Michigan (Spectrum Health) - Adenomyoma
Missouri (Ferguson's Medical Labs) - Adenomyoma
Nebraska (Good Samaritan Hospital) - Adenomyoma
New Jersey (New Jersey Dermatopathology Lab) - Chronic cholecystitis and adenomyoma
New York (Quest Diagnostics) - Heterotopic gastric mucosa in gallbladder
Ohio, Columbus - Adenomyomatous hyperplasia
Ohio (Medical College of Ohio) - Adenomyoma
Pennsylvania (Allegheny General Hospital) - Adenomyoma of gallbladder
Pennsylvania (Conemaugh Medical Center Residents) - Adenomyoma
Pennsylvania, Sewickley - Polypoid adenomyoma
Puerto Rico (University of Puerto Rico) - Adenomyoma
Tennessee, Nashville - Adenomyoma
Texas, Lubbock - Adenomyoma
Texas, San Antonio - Adenomyoma (2)
Texas (Scott & White Memorial Hospital) - Adenomyoma
Texas (Shannon Clinic Pathology Lab) - Adenomyoma
Utah (St. Mark's Hospital) - Adenomatous hyperplasia
Washington, Vancouver - Biliary cystadenoma
Washington, DC - Adenomyoma
Wisconsin, Muskego - Adenomyomatous nodule
Canada (CUSE, Site Fleurimont) - Adenomyomatosis
China (Sir Run Run Shaw Hospital) - Adenosis of gallbladder
Japan (Hamanatsu University School of Medicine) - Adenomyomatosis
Japan (Kawasaki Medical School Hospital) - Adenomyoma (5)
Malaysia (University Kebangsaan Malaysia) - Haterotopic gastric mucosa
Netherlands - Neurofibroma ?
Singapore (Tan Tock Hospital Pte. Ldt.) - Adenomyoma

Case 7 - Diagnosis:

Adenomyoma, gallbladder

T-57000, M-72440

Case 7 - References

Christensen AH and Ishak KG. Benign Tumors and Pseudotumors of the Gallbladder. Report of 180 Cases. *Arch Pathol* 1970; 90(5):423-432.
Shepart VD, Walters W and Dockerly MB. Benign Neoplasms of the Gallbladder. *Arch Sem* 1942; 45:1-18.
Xin L, Al-Min H, et al. Reduced p21 WAF1/CIP1 Expression is an Early Event in Gallbladder Carcinogenesis and is of Prognostic Significance for Patients with Carcinomas of the Gallbladder. *Human Pathol* 32:771-777.
Yoshimitsu K, Honda H, Jimi M, et al. MR Diagnosis of Adenomyomatosis of the Gallbladder and Differentiation from Gallbladder Carcinoma. Importance of Showing Rokitansky-Aschoff Sinuses. *AJR Am J Roentgenol* 1999; 172(6):1535-1540.
Sasatomi E, Miyazaki K, Mori M, et al. Polypoid Adenomyoma of the Gallbladder. *J Gastroenterol* 1997; 32(5):704-707.

Case No. 8, Accession No. 29001 October 2001

Escondido - Lipoleiomyoma
Glendale (Glendale Pathology Associates) - Leiomyoma
Loma Linda (LLUMC Residents) - Inflammation, myofibroblastic tumor
Los Angeles (USC Residents) - Angiomyolipoma
Modesto (Yosemite Pathology Medical Group) - Mesenteric fibromatosis
Orange (UCI Medical Center) - Angiomyolipoma
Alabama (Cunningham Pathology) - Desmoid tumor
Arizona (Phoenix Memorial Hospital) - Idiopathic sclerosing (retractile) mesenteritis
Colorado (Unipath) - Rhabdomyosarcoma
Florida (Hospital Pathologists) - Mesothelioma
Florida (Munroe Regional Medical Center) - Diffuse leiomyomatosis
Florida (Winter Haven Hospital) - Myolipoma (1); Desmoid tumor (1)
Georgia, Decatur - Angiomyolipoma vs. atypical lipomatous tumor
Illinois (Marion Memorial Hospital) - Myolipoma
Illinois, Skokie - Myxoid round cell liposarcoma
Indiana, Fort Wayne - Epithelioid lipoleiomyoma, abdomen
Kansas (Coffeyville Regional Medical Center) - Angiomyolipoma
Kentucky (University of Louisville Residents) - Leiomyoma
Louisiana, New Orleans - Primary solid tumor
Maryland (National Naval Medical Center) - Myolipoma (lipoleiomyoma) (10)
Maryland (University of Maryland) - Myolipoma/angiomyolipoma
Massachusetts (Berkshire Medical Center) - Angiomyolipoma, mesenteric fibromatosis
Massachusetts (Brigham and Women's Residents) - Myolipoma
Michigan (Henry Ford Hospital) - Benign metastasizing leiomyoma
Michigan (St. Joseph Mercy Hospital) - Angiomyolipoma (4)
Michigan (Spectrum Health) - Fibromatosis
Missouri (Ferguson's Medical Labs) - Desmoid tumor, intra-abdominal
Nebraska (Good Samaritan Hospital) - Myolipoma
New Jersey (New Jersey Dermatopathology Lab) - Leiomyoma
New York (Quest Diagnostics) - Hamartoma
Ohio, Columbus - Lipoleiomyoma
Ohio (Medical College of Ohio) - Myolipoma
Pennsylvania (Allegheny General Hospital) - Lipoleiomyoma
Pennsylvania (Conemaugh Medical Center Residents) - Spindle cell lipoma
Pennsylvania, Sewickley - Aggressive angiomyxoma
Puerto Rico (University of Puerto Rico) - Myolipoma
Tennessee, Nashville - Spindle cell lipoma
Texas, Lubbock - Epithelioid angiomyolipoma
Texas, San Antonio - Myolipoma (1); Liposarcoma (1)
Texas (Scott & White Memorial Hospital) - Extra-abdominal desmoid tumor
Texas (Shannon Clinic Pathology Lab) - Myolipoma

Utah (St. Mark's Hospital) - Lipoleiomyoma
Washington, Vancouver - Myolipoma
Washington, DC - Lipoleiomyoma
Wisconsin, Muskego - Angiomyolipoma
Canada (CUSE, Site Fleurimont) - Myolipoma
China (Sir Run Run Shaw Hospital) - Angiomyolipoma (mesenchymal hamartoma)
Japan (Hamanatsu University School of Medicine) - Myolipoma
Japan (Kawasaki Medical School Hospital) - Lipoleiomyoma (3); Angiomyolipoma (2)
Malaysia (University Kebangsaan Malaysia) - Liposarcoma
Netherlands - GIST?
Singapore (Tan Tock Hospital Pte. Ldt.) - Features suggestive of leiomyomatosis peritonitis, myofibroblastic neoplasm

Case 8 – Diagnosis:
Myolipoma ("lipoleiomyoma"), abdomen
T-Y4300, M-88900

Case 8 - References:

Meis JM and Enzinger FM. Myolipoma of Soft Tissue. *Am J Surg Pathol* 1991; 15(2):121-125.
Freed KS, Carney ME and Novak L. MR Imaging of an Extrauterine Lipoleiomyoma. *AJR Am J Roentgenol* 1999; 172(4):1144-1145.
Scurry JP, Carey MP, Targett CS, et al. Soft Tissue Lipoleiomyoma. *Pathol* 1991; 23(4):360-362.
Michal M. Retroperitoneal Myolipoma. A Tumour Mimicking Retroperitoneal Angiomyolipoma and Liposarcoma with Myosarcomatous Differentiation. *Histopathol* 1994; 25(1):86-88.
Bajaj P, Kumar G and Agarwal K. Lipoleiomyoma of Broad Ligament. A Case Report. *Ind J Pathol Microbiol* 2000; 43(4):457-458.

Case No. 9, Accession No. 29130 October 2001

Escondido - Leiomyosarcoma
Glendale (Glendale Pathology Associates) - Leiomyosarcoma
Loma Linda (LLUMC Residents) - Leiomyosarcoma
Los Angeles (USC Residents) - Vascular leiomyosarcoma
Modesto (Yosemite Pathology Medical Group) - Leiomyosarcoma
Orange (UCI Medical Center) - Leiomyosarcoma
Alabama (Cunningham Pathology) - Leiomyosarcoma
Arizona (Phoenix Memorial Hospital) - Malignant schwannoma
Colorado (Unipath) - Leiomyosarcoma
Florida (Hospital Pathologists) - Leiomyosarcoma
Florida (Munroe Regional Medical Center) - Malignant peripheral nerve sheath tumor
Florida (Winter Haven Hospital) - Leiomyosarcoma (1); Fibrosarcoma (1)
Georgia, Decatur - Leiomyosarcoma
Illinois (Marion Memorial Hospital) - Leiomyosarcoma, well-differentiated
Illinois, Skokie - Leiomyosarcoma
Indiana, Fort Wayne - Pleomorphic leiomyosarcoma, thigh
Kansas (Coffeyville Regional Medical Center) - Leiomyosarcoma
Kentucky (University of Louisville Residents) - Leiomyosarcoma
Louisiana, New Orleans - Leiomyosarcoma
Maryland (National Naval Medical Center) - Leiomyosarcoma (10)
Maryland (University of Maryland) - Leiomyosarcoma
Massachusetts (Berkshire Medical Center) - Leiomyosarcoma
Massachusetts (Brigham and Women's Residents) - Leiomyosarcoma
Michigan (Henry Ford Hospital) - Leiomyosarcoma
Michigan (St. Joseph Mercy Hospital) - Leiomyosarcoma (4)

Michigan (Spectrum Health) - Leiomyosarcoma, low grade
Missouri (Ferguson's Medical Labs) - Pleomorphic rhabdomyosarcoma
Nebraska (Good Samaritan Hospital) - Leiomyosarcoma
New Jersey (New Jersey Dermatopathology Lab) - Malignant schwannoma
New York (Quest Diagnostics) - Leiomyosarcoma, low grade
Ohio, Columbus - Malignant peripheral nerve sheath tumor
Ohio (Medical College of Ohio) - Leiomyosarcoma, grade 2/3
Pennsylvania (Allegheny General Hospital) - Leiomyosarcoma
Pennsylvania (Conemaugh Medical Center Residents) - Leiomyosarcoma
Pennsylvania, Sewickley - Leiomyosarcoma, grade 2, arising in a vein
Puerto Rico (University of Puerto Rico) - PNST malignant/leiomyosarcoma
Tennessee, Nashville - Leiomyosarcoma
Texas, Lubbock - Leiomyosarcoma
Texas, San Antonio - Malignant Triton tumor (1); Leiomyosarcoma (1)
Texas (Scott & White Memorial Hospital) - Leiomyosarcoma
Texas (Shannon Clinic Pathology Lab) - Leiomyosarcoma
Utah (St. Mark's Hospital) - Leiomyosarcoma
Washington, Vancouver - Leiomyosarcoma
Washington, DC - Leiomyosarcoma
Wisconsin, Muskego - Leiomyosarcoma, low grade
Canada (CUSE, Site Fleurimont) - Leiomyosarcoma
China (Sir Run Run Shaw Hospital) - Spindle cell sarcoma (leiomyosarcoma)
Japan (Hamanatsu University School of Medicine) - Leiomyosarcoma
Japan (Kawasaki Medical School Hospital) - Lipomyosarcoma (4); MFH (1)
Malaysia (University Kebangsaan Malaysia) - Dermatofibrosarcoma protuberance
Netherlands - Leiomyosarcoma
Singapore (Tan Tock Hospital Pte. Ldt.) - Leiomyosarcoma

Case 9 – Diagnosis:
Leiomyosarcoma, thigh
T-Y9110, M-88903

Case 9 – References:

Miettinen M. Immunoreactivity for Cytokeratin and Epithelial Membrane Antigen in Leiomyosarcoma. *Arch Pathol Lab Med* 1988; 112(6):637-640.
Wile AG, Evans HL and Romsdahl MM. Leiomyosarcoma of Soft Tissue. A Clinicopathologic Study. *Cancer* 1981; 48(4):1022-1032.
Gustafson P, Willen H, Baldetorp B, et al. Soft Tissue Leiomyosarcoma. A Population-Based Epidemiologic and Prognostic Study of 48 Patients Including Cellular DNA Content. *Cancer* 1992; 70(1):114-119.
Schurch W, Skalli O, Seemayer TA, et al. Intermediate Filament Proteins and Actin Isoforms as Markers for Soft Tissue Tumor Differentiation and Origin I. *Am J Pathol* 1987; 128(1):91-103.
Swanson PE, Wick MR and Dehner LP. Leiomyosarcoma of Somatic Soft Tissues in Childhood. An Immunohistochemical Analysis of Six Cases with Ultrastructural Correlation. *Hum Pathol* 1991; 22(6):569-577.

Case No. 10, Accession No. 29111 October 2001

Escondido - Malignant fibrous histiocytoma
Glendale (Glendale Pathology Associates) - Malignant fibrous histiocytoma
Loma Linda (LLUMC Residents) - Pleomorphic sarcoma, malignant fibrous histiocytoma phenotype, pleomorphic liposarcoma
Los Angeles (USC Residents) - Myxoid malignant fibrous histiocytoma (pleomorphic sarcoma)
Modesto (Yosemite Pathology Medical Group) - Malignant peripheral nerve sheath tumor
Orange (UCI Medical Center) - Myxoid liposarcoma, high grade
Alabama (Cunningham Pathology) - Pleomorphic malignant fibrous histiocytoma

Arizona (Phoenix Memorial Hospital) - Pleomorphic rhabdomyosarcoma
Colorado (Unipath) - Sarcoma
Florida (Hospital Pathologists) - Liposarcoma
Florida (Munroe Regional Medical Center) - Myxoid malignant fibrous histiocytoma
Florida (Winter Haven Hospital) - Liposarcoma (1); Chondrosarcoma (1)
Georgia, Decatur - Myxofibrosarcoma
Illinois (Marion Memorial Hospital) - Malignant fibrous histiocytoma
Illinois, Skokie - Myxoid malignant fibrous histiocytoma
Indiana, Fort Wayne - Myxoid pleomorphic sarcoma, malignant fibrous histiocytoma, right thigh
Kansas (Coffeyville Regional Medical Center) - Myxoid fibrous histiocytoma
Kentucky (University of Louisville Residents) - Pleomorphic malignant peripheral nerve sheath tumor vs. malignant fibrous histiocytoma
Louisiana, New Orleans - Liposarcoma
Maryland (National Naval Medical Center) - Liposarcoma, dedifferentiated (5); Pleomorphic liposarcoma (1); HG sarcoma, (MFH) (5)
Maryland (University of Maryland) - Malignant peripheral nerve sheath tumor vs. myxoid liposarcoma vs. myxoid malignant fibrous histioctyoma
Massachusetts (Berkshire Medical Center) - Malignant fibrous histiocytoma
Massachusetts (Brigham and Women's Residents) - High grade myxofibrosarcoma
Michigan (Henry Ford Hospital) - Pleomorphic sarcoma consistent with myxoid malignant fibrous histiocytoma
Michigan (St. Joseph Mercy Hospital) - Malignant fibrous histiocytoma (4)
Michigan (Spectrum Health) - Sarcoma, high grade
Missouri (Ferguson's Medical Labs) - Malignant fibrous histiocytoma
Nebraska (Good Samaritan Hospital) - Malignant fibrous histiocytoma
New Jersey (New Jersey Dermatopathology Lab) - Liposarcoma
New York (Quest Diagnostics) - Myxoid liposarcoma, dedifferentiated type
Ohio, Columbus - Pleomorphic sarcoma
Ohio (Medical College of Ohio) - Malignant fibrous histiocytoma, high grade
Pennsylvania (Allegheny General Hospital) - Dedifferentiated liposarcoma
Pennsylvania (Conemaugh Medical Center Residents) - Malignant fibrous histiocytoma
Pennsylvania, Sewickley - Pleomorphic rhabdomyosarcoma
Puerto Rico (University of Puerto Rico) - Malignant fibrous histiocytoma, myxoid
Tennessee, Nashville - Myxoid liposarcoma with focal round cell areas
Texas, Lubbock - Malignant fibrous histiocytoma
Texas, San Antonio - Myxoid malignant fibrous histiocytoma (1); Liposarcoma, dedifferentiated vs. malignant fibrous histiocytoma (1)
Texas (Scott & White Memorial Hospital) - Malignant fibrous histiocytoma, myxoid type
Texas (Shannon Clinic Pathology Lab) - Malignant fibrous histiocytoma, myxoid
Utah (St. Mark's Hospital) - Myxoid malignant fibrous histiocytoma
Washington, Vancouver - Myxoid malignant fibrous histiocytoma
Washington, DC - Myxoid malignant fibrous histiocytoma
Wisconsin, Muskego - Liposarcoma mixed type (including pleomorphic and myxoid components)
Canada (CUSE, Site Fleurimont) - Leiomyosarcoma
China (Sir Run Run Shaw Hospital) - Pleomorphic sarcoma (malignant fibrous histiocytoma or liposarcoma)
Japan (Hamanatsu University School of Medicine) - Malignant fibrous histiocytoma
Japan (Kawasaki Medical School Hospital) - Liposarcoma (4); Malignant fibrous histiocytoma (1)
Malaysia (University Kebangsaan Malaysia) - Myxoid malignant fibrous histiocytoma
Netherlands - Sarcoma, NOS or malignant fibrous histiocytoma ??
Singapore (Tan Tock Hospital Pte. Ldt.) - Myxoid malignant fibrous histiocytoma

Case 10 - Diagnosis:

Myxofibrosarcoma (so-called "myxoid malignant fibrous histiocytoma"), calf
T-Y9440, M-88103

Case 10 – References:

Fletcher CDM. Pleomorphic Malignant Fibrous Histiocytoma. Fact or Fiction? A Critical Re-Appraisal Based on 159 Tumors Diagnosed as Pleomorphic Sarcomas. *Am J Surg Pathol* 1992; 16(3):213-228.

Hollowood K and Fletcher CD. Malignant Fibrous Histiocytoma. Morphologic Pattern or Pathologic Entity? *Semin Diagn Pathol* 1995; 12(3):210-220.

Meloni-Ehrig AM, Chen Z, et al. Identification of a Ring Chromosome in a Myxoid Malignant Fibrous Histiocytoma with Chromosome Microdissection and Fluorescence In Situ Hybridization. *Cancer Genet Cytogenet* 1999; 109(1):81-85.

Mentzel T, Calonje E, et al. Myxofibrosarcoma. Clinicopathologic Analysis of 75 Cases with Emphasis on the Low-Grade Variant. *Am J Surg Pathol* 1996; 20(4):391-405.

Kilpatrick SE and Ward WG. Myxofibrosarcoma of Soft Tissues. Cytomorphologic Analysis of a Series. *Diagn Cytopathol* 1999; 20(1):6-9.