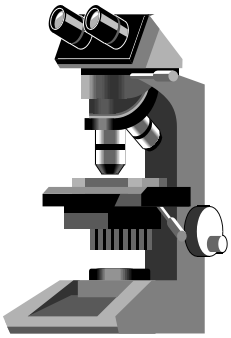
CALIFORNIA
TUMOR TISSUE REGISTRY

"DIGESTIVE SYSTEM PATHOLOGY"

Minutes – Subscription A

September, 2006



SUGGESTED READING (General Topics from Recent Literature):

An Immunohistochemical Algorithm To Facilitate Diagnosis And Subtyping Of Rhabdomyosarcoma: The Children's Oncology Group Experience. Morotti RA, Nicol KK, et al. *Am J Surg Pathol*, 2006 Aug; 30:962-8.

Gastric Large Cell Neuroendocrine Carcinomas: A Distinct Clinicopathologic Entity. Jiang S-X, Mikami T, et al. *Am J Surg Pathol*, 2006 Aug; 30:945-53.

Lobular Neoplasia In Breast Core Needle Biopsy Specimens Is Associated With A Low Risk Of Ductal Carcinoma In-Situ Or Invasive Carcinoma On Subsequent Excision. Renshaw AA, Derhagopian RP, et al. *Am J Clin Pathol*, 2006 Aug; 126:310-13.

Guidelines For Colonoscopy Surveillance After Cancer Resection: A Consensus Update By The American Cancer Society And U.S. Multi-Society Task Force On Colorectal Cancer. Rex DK, Kahi CJ, Levin B, et al: *CA Cancer J Clin*, 2006; 56:160-7.

A Monotonous Population Of Elongated Cells (MPECs) In Colorectal Adenoma Indicates A High Risk Of Metachronous Cancer. Soreide K, Buter TCE, Janssen EAM, et al: *Am J Surg Pathol*, 2006 Sep; 30(9):1120-29

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FILE DIAGNOSES

(Preferably submitted on website at www.cttr.org. Click "subscriptions", then submit answers".)

CTTR Subscription A September, 2006

Case 1:

Inflammatory fibroid polyp, small intestine
T-64000, M-76830

Case 2:

Endometriosis of colon (transmural), sigmoid colon
T-67700, M-76500

Case 3:

Villous adenoma with foci of high-grade dysplasia ("intramucosal carcinoma")
T-67100, M-8261/1, M-74000

Case 4:

Signet-ring adenocarcinoma, small intestine
T-64000, M-84903

Case 5:

Gastrointestinal stromal tumor, gastric omentum
T-63850, M-88903

Case 6:

Gastrointestinal stromal tumor (GIST), stomach
T-63000, M-88903

Case 7:

Small cell carcinoma/neuroendocrine carcinoma, gallbladder
T-57000, M-8041/3

Case 8:

Adenocarcinoma with papillary features, gallbladder
T-57000, M-8260/3

Case 9:

Serous microcystic adenoma, pancreas
T-59000, M-8140/0

Case 10:

Solid pseudopapillary neoplasm, pancreas
T-59000, M-80001

Baldwin Park (Kaiser Permanente) - Inflammatory myofibroblastic tumor (4)
Fontana (Kaiser Permanente) - Inflammatory fibroid tumor
Glendale - Inflammatory fibroid polyp
Granada Hills - Inflammatory pseudotumor
Hayward (Hayward-Freemont) - Inflammatory fibroid polyp
La Jolla (Scripps Health) - Inflammatory fibroid polyp
La Jolla (Scripps Clinic Hematopathology Fellowship) - Inflammatory fibroid polyp
Loma Linda (Loma Linda University Residents) - Mastocytosis (systemic)
Long Beach (VA Long Beach Healthcare System) - Inflammatory pseudotumor (myofibroblastic tumor); Inflammatory fibroid polyp (1)
Monterey (Community Hospital of the Monterey Peninsula) - Inflammatory myofibroblastic tumor vs inflammatory fibroid polyp
Monterey Park (Garfield Medical Center) - Low-grade GIST
Oakland (Alameda County Medical Center) - Inflammatory fibroid polyp
Orange (Orange County Medical Group) - Inflammatory myofibroblastic tumor
Orange (University of California Irvine) - Inflammatory fibroid polyp
Orange County (Kaiser Permanente) - Inflammatory fibroid polyp
Oxnard (St. John's Regional Medical Center) - Inflammatory fibroid polyp (4)
Sacramento (U.C. Davis Residents) - Inflammatory myofibroblastic tumor
San Diego (Alvarado Pathology Associates) - Inflammatory fibroid polyp
San Diego (Naval Medical Center) - Inflammatory fibroid polyp
San Diego (UCSD Medical Center) - Inflammatory fibroid polyp
San Francisco (San Francisco General Hospital) - Inflammatory fibroid polyp
Santa Barbara - Inflammatory pseudotumor
Santa Rosa (Santa Rosa Memorial Hospital) - Inflammatory pseudotumor (3)
Woodland Hills (Kaiser Permanente Medical Center) - Inflammatory fibroid polyp
Woodland Hills (Suda's Soldiers) - Inflammatory myofibroblastic tumor
Arkansas (UAMS) - Inflammatory fibroid polyp, small intestine
Florida (Ameripath) - Gastrointestinal stromal tumor
Florida (Baptist Hospital, Pensacola) - Inflammatory fibroid polyp (3), (eosinophilic granulomatous polyp) (1)
Florida (Jackson Memorial Hospital) - Inflammatory fibroid polyp
Florida (Tallahassee Pathology Associates) - Inflammatory fibroid polyp
Florida (Winter Haven Hospital) - Granulation tissue (2)
Illinois (Loyola University Medical Center) - Inflammatory fibroid polyp
Illinois (MacNeal Memorial Hospital) - GIST, benign (1); Fibromatosis vs. GIST, do CD117 stain (1)
Indiana (Howard Regional Medical Center) - Inflammatory fibrous polyp
Kansas (Physicians Reference Laboratory) - Inflammatory fibroid polyp
Kentucky (University of Louisville) - Inflammatory fibroid polyp
Louisiana (Louisiana State University Health Science Center) - Inflammatory fibroid polyp
Louisiana, Slidell - Inflammatory fibroid tumor
Maryland (Northwest Hospital Center) - Inflammatory fibroid polyp
Maryland (University of Maryland) - Inflammatory fibroid polyp
Maryland (Silver Springs) - Gastrointestinal stromal tumor
Massachusetts (Berkshire Medical Center) - 1. Inflammatory pseudotumor; 2. Inflammatory myofibroblastic tumor
Massachusetts (Tufts-New England Medical Center) - Inflammatory pseudotumor
Massachusetts, Peabody - Gastrointestinal stromal tumor, small intestine
Michigan (Oakwood Hospital) - Inflammatory fibroid polyp (2), inflammatory pseudotumor (1)
Michigan (St. Joseph's Mercy Hospital) - Inflammatory fibroid polyp
Minnesota (Fairview Ridges Hospital) - Inflammatory fibroid polyp
Montana, Missoula - Inflammatory fibroid polyp
Nebraska (Creighton University) - Inflammatory fibroid polyp
New York (Long Island Jewish Medical Center) - Inflammatory polyp

New York (Nassau University Medical Center) - Vascular leiomyoma
New York (State University of New York at Stony Brook) - Inflammatory fibrous tumor
New York (SUNY Downstate Residents) - Inflammatory fibroid polyp
North Carolina (Mountain Area Pathology) - Inflammatory fibroid polyp (3)
North Carolina (Pathologists Medical Laboratory) - Inflammatory myofibroblastic tumor (1); Inflammatory fibroid polyp (1)
Pennsylvania (Drexel University College of Medicine) - Inflammatory myofibroblastic tumor
Pennsylvania (Lehigh Valley Hospital) - GIST
Pennsylvania (Mt. Nittany Medical Center) - Inflammatory myofibroblastic tumor, small bowel
Pennsylvania (Pennsylvania Hospital Residents) - Inflammatory polyp
Texas (Lackland AFB) - Inflammatory fibroid polyp
Texas (Methodist Hospital) - Inflammatory fibroid polyp
Texas (Scott & White Memorial Hospital) - Inflammatory fibroid polyp
Texas, Lubbock - Gastrointestinal stromal tumor
West Virginia (Greenbrier Valley Medical Center) - Inflammatory fibroid polyp
West Virginia (Wetzel County Hospital) - Inflammatory fibroid polyp
Wisconsin (Meriter Pathology) - Inflammatory fibroid polyp
Australia (Queensland Pathology Group) - Eosinophilic pseudotumour
Australia (Royal Hobart Hospital) - Inflammatory fibroid polyp
Australia (Royal Prince Alfred Hospital) - Inflammatory fibroid polyp
Australia (Sullivan Nicolaides Pathology) - Inflammatory fibroid polyp
Brazil (Laboratorio Anatomia Patologica E Citologia) - Inflammatory fibroid polyp, small intestine
Canada (Pasqua Hospital) - Inflammatory fibroid polyp
Canada (University Hospital of Sherbrooke) - Tumour, hemangiopericytoma-like
Germany (Institut fur Pathologie UKE) - Inflammatory fibroid polyp
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Inflammatory fibroid polyp
Ireland (Kerry General Hospital) - Inflammatory fibroid polyp
Japan (Kyoto University Hospital) - Inflammatory fibroid polyp
Oman (Khoula Hospital) - Inflammatory fibroid polyp
Puerto Rico (University of Puerto Rico) - Inflammatory fibrous polyp
Qatar (Hamad Medical Corporation) - Inflammatory fibroid polyp
Saudi Arabia (King Fahad National Guard Hospital) - Inflammatory fibroid polyp
Saudi Arabia (MCH) - Inflammatory fibroid polyp
Singapore (KK Women's & Children's Hospital) - Inflammatory fibroid polyp
The Netherlands, Amstelveen - Gastrointestinal stromal tumor (GIST)
United Kingdom (Oxford Study Group) - Small intestine – Inflammatory fibroid polyp

Case 1 - Diagnosis:

Inflammatory fibroid polyp, small intestine
T-64000, M-76830

Case 1 – References:

Santos Gda C, Alves VA, Wakamatsu A, Zucoloto S: Inflammatory Fibroid Polyp: An Immunohistochemical Study. *Arq Gastroenterol*, 2004 Apr-Jun; 41(2):104-7.
Ozolek JA, Sasatomi E, Swalsky PA, et al: Inflammatory Fibroid Polyps Of The Gastrointestinal Tract: Clinical, Pathologic, And Molecular Characteristics. *Appl Immunohistochem Mol Morphol*, 2004 Mar; 12(1):59-66.
Makhlouf HR, Sobin LH: Inflammatory Myofibroblastic Tumors (Inflammatory Pseudotumors) Of the Gastrointestinal Tract: How Closely Are They Related To Inflammatory Fibroid Polyps? *Hum Pathol*, 2002 Mar; 33 (3):307-15.
De la Plaza R, Picardo AL, Cuberes R, et al: Inflammatory Fibroid Polyps Of the Large Intestine. *Dig Dis Sci*, 1999 Sep; 44(9):1810-6.

Case No. 2 - Accession No. 30166 **September, 2006**

Baldwin Park (Kaiser Permanente) - Adenocarcinoma, mucinous type (1); Mucinous adenocarcinoma (1); Invasive well-differentiated mucinous adenocarcinoma of colon (adenoma malignum) (1); Well-differentiated adenocarcinoma, mucin producing (1)

Fontana (Kaiser Permanente) - Endometriosis

Glendale - Endosalpingiosis/endometriosis

Granada Hills - Well-differentiated adenocarcinoma

Hayward (Hayward-Freemont) - Carcinoma in a polyp

La Jolla (Scripps Health) - Endometriosis

La Jolla (Scripps Clinic Hematopathology Fellowship) - Endometriosis (6); Mullerian neoplasm, NOS (1)

Loma Linda (Loma Linda University Residents) - Colitis cystica profunda

Long Beach (VA Long Beach Healthcare System) - Papillary serous adenocarcinoma arising in endometriosis; Mucin-producing papillary adenocarcinoma (1)

Monterey (Community Hospital of the Monterey Peninsula) - Endometriosis

Monterey Park (Garfield Medical Center) - Mucinous cystic borderline tumor implants

Oakland (Alameda County Medical Center) - Colitis cystica profunda

Orange (Orange County Medical Group) - Colitis cystica profunda

Orange (University of California Irvine) - Metastatic adenocarcinoma, probably from endometrium

Orange County (Kaiser Permanente) - Metastatic ovarian carcinoma

Oxnard (St. John's Regional Medical Center) - Mucinous adenocarcinoma (1); Inverted villoglandular polyp (2), displaced epithelium (1); Inverted villous polyp (1)

Sacramento (U.C. Davis Residents) - Endosalpingiosis

San Diego (Alvarado Pathology Associates) - Colitis cystica profunda

San Diego (Naval Medical Center) - 1. Polypoid endometriosis; 2. Florid cystic endosalpingiosis

San Diego (UCSD Medical Center) - Old endometriosis

San Francisco (San Francisco General Hospital) - Atypical endosalpingiosis (borderline PST)

Santa Barbara - Adenocarcinoma arising in polyp

Santa Rosa (Santa Rosa Memorial Hospital) - Inflammatory polyp, NOS (1); Reactive adenomatous polyp with possible associated ovarian cyst or endometriosis (1); Colitis cystica profunda (1)

Woodland Hills (Kaiser Permanente Medical Center) - Endometriosis

Woodland Hills (Suda's Soldiers) - Endometriosis/endosalpingiosis

Arkansas (UAMS) - Endometrioma, sigmoid colon

Florida (Ameripath) - Mucinous adenocarcinoma

Florida (Baptist Hospital, Pensacola) - Endometriosis (3)

Florida (Jackson Memorial Hospital) - Endosalpingiosis

Florida (Tallahassee Pathology Associates) - Colitis cystica profunda; Inflammatory myoglandular polyp

Florida (Winter Haven Hospital) - Papillary mucinous adenocarcinoma, metastatic (1); Metastatic papillary mucinous adenocarcinoma (1)

Illinois (Loyola University Medical Center) - Papillary adenocarcinoma in endometriosis

Illinois (MacNeal Memorial Hospital) - Adenocarcinoid (1); Adenocarcinoma, r/o endometrial origin (1)

Indiana (Howard Regional Medical Center) - Mucinous adenocarcinoma

Kansas (Physicians Reference Laboratory) - Endometriosis

Kentucky (University of Louisville) - Mullerianosis vs. colitis cystica profunda

Louisiana (Louisiana State University Health Science Center) - Colitis cystica profunda

Louisiana, Slidell - Juvenile (retention) polyp

Maryland (Northwest Hospital Center) - Cystitis cystica profunda

Maryland (University of Maryland) - Well-differentiated adenocarcinoma arising from endometriosis

Maryland (Silver Springs) - Colonic adenocarcinoma

Massachusetts (Berkshire Medical Center) - Endometriosis

Massachusetts (Tufts-New England Medical Center) - Colitis cystica profunda

Massachusetts, Peabody - Hyperplastic polyps, diverticulosis

Michigan (Oakwood Hospital) - Mucinous carcinoma (1); Juvenile polyps (1)

Michigan (St. Joseph's Mercy Hospital) - Adenocarcinoma arising in polyp

Minnesota (Fairview Ridges Hospital) - Endometriosis with mucinous differentiation/Mullerianosis
Montana, Missoula - Colitis cystica profunda
Nebraska (Creighton University) - Endometriosis with focal atypia
New York (Long Island Jewish Medical Center) - Metastatic endometrial carcinoma
New York (Nassau University Medical Center) - Endometriosis with focal hyperplasia, colon
New York (State University of New York at Stony Brook) - Polypoid endometriosis
New York (SUNY Downstate Residents) - Flat serrated adenoma and colitis cystica profunda vs. Serrated adenoma and hyperplastic polyp with invasion
North Carolina (Mountain Area Pathology) - Adenocarcinoma (2); Colitis cystica profunda/prolapse (1)
North Carolina (Pathologists Medical Laboratory) - Endometriosis (1); Well-differentiated adenocarcinoma (1)
Ohio (McCullough-Hyde Memorial Hospital) - Endosalpingiosis
Pennsylvania (Drexel University College of Medicine) - Adenocarcinoma (moderately differentiated)
Pennsylvania (Lehigh Valley Hospital) - Juvenile polyp
Pennsylvania (Mt. Nittany Medical Center) - Endometriosis, sigmoid colon
Pennsylvania (Pennsylvania Hospital Residents) - Neoplasia arising from endometriosis
Texas (Lackland AFB) - Colitis cystica profunda
Texas (Methodist Hospital) - Moderately-differentiated adenocarcinoma
Texas (Scott & White Memorial Hospital) - Colitis cystica profunda
Texas, Lubbock - Adenocarcinoma arising from a polyp
West Virginia (Greenbrier Valley Medical Center) - Adenocarcinoma – mucous production
West Virginia (Wetzel County Hospital) - Adenocarcinoma invading through the muscularis propria into the serosa (T3)
Wisconsin (Meriter Pathology) - Endometriosis
Australia (Queensland Pathology Group) - Colitis cystica profunda
Australia (Royal Hobart Hospital) - Endometriosis
Australia (Royal Prince Alfred Hospital) - Endometriosis
Australia (Sullivan Nicolaides Pathology) - Endometriosis (atrophic)/Endocervicosis
Brazil (Laboratorio Anatomia Patologica E Citologia) - Prolapse polyp associated with colitis cystica profunda and diverticular disease (1); Endometriosis (1)
Canada (Pasqua Hospital) - Endometriosis with hyperplasia
Canada (University Hospital of Sherbrooke) - Endometriosis
Germany (Institut fur Pathologie UKE) - Adenocarcinoma (endometrioid adenocarcinoma, arising from endometriosis)
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Cystitis cystica profundus, likely related to hernia repair
Ireland (Kerry General Hospital) - Endometriosis
Japan (Kyoto University Hospital) - Mucosal prolapse
Oman (Khoula Hospital) - 1. Ulcerated adenoma with adenomucinosis. 2. Adenocarcinoma.
Puerto Rico (University of Puerto Rico) - Serous-mucinous tumor implants/Endometriosis
Qatar (Hamad Medical Corporation) - Colitis cystic profunda
Saudi Arabia (King Fahad National Guard Hospital) - Colitis cystica profunda and serrated adenoma
Saudi Arabia (MCH) - Adenocarcinoma
Singapore (KK Women's & Children's Hospital) - Tubular adenoma with possible involvement of diverticula and pseudo-invasion
The Netherlands, Amstelveen - Well-differentiated mucinous adenocarcinoma
United Kingdom (Oxford Study Group) - Colon – Favor endometriosis

Case 2 - Diagnosis:

Endometriosis of colon (transmural), sigmoid colon
T-67700, M-76500

Case 2 - References:

Sciume C, Geraci G, Pisello F, et al: Intestinal Endometriosis: An Obscure Cause of Cyclic Rectal Bleeding. *Ann Ital Chir*, 2004 May-Jun; 75(3):379-84.
Kavallaris A, Kohler C, Kuhne-Heid R, Schneider A: Histopathological Extent Of Rectal Invasion By Rectovaginal Endometriosis. *Hum Reprod*, 2003 Jun; 18(6):1323-7.
Deval B, Rafii A, Felce Dachez M, et al: Sigmoid Endometriosis In A Post-Menopausal Woman. *Am J Obstet Gynecol*, 2002 Dec; 187(6):1723-5.

Hoang CD, Boettcher AK, Jessurun J, et al: An Unusual Rectosigmoid Mass: Endometrioid Adenocarcinoma Arising In Colonic Endometriosis: Case Report And Literature Review. *American Surgeon*, 2005; 71(8):694-7.
Dimoulis P, Koutroubakis IE, Tzardi M, et al: A Case Of Sigmoid Endometriosis Difficult To Differentiate From Colon Cancer. *BMC Gastroenterology*, 2003; 3:18.
Parker RL, Dadmanesh F, Young RH, Clement PB: Polypoid Endometriosis: A Clinicopathologic Analysis Of 24 Cases And A Review Of The Literature. *Am J Surg Pathol*, 2004; 28(3):285-97.

Case No. 3 - Accession No. 29734 September, 2006

Baldwin Park (Kaiser Permanente) - Tubulovillous adenoma (1); Villous adenoma (2); Villous adenoma with focal high-grade dysplasia (1)
Fontana (Kaiser Permanente) - Tubular adenoma with high-grade dysplasia
Glendale - Villous adenoma
Granada Hills - Peutz-Jehger polyp
Hayward (Hayward-Freemont) - Villous adenoma
La Jolla (Scripps Health) - Tubulovillous adenoma
La Jolla (Scripps Clinic Hematopathology Fellowship) - Villous adenoma
Loma Linda (Loma Linda University Residents) - Villous adenoma
Long Beach (VA Long Beach Healthcare System) - Villous adenoma with focal high-grade dysplasia
Monterey (Community Hospital of the Monterey Peninsula) - Villous adenoma with possible focal high-grade dysplasia
Monterey Park (Garfield Medical Center) - Villous adenoma with moderate dysplasia
Oakland (Alameda County Medical Center) - Villous adenoma
Orange (Orange County Medical Group) - Villous adenoma
Orange (University of California Irvine) - Villous adenoma
Orange County (Kaiser Permanente) - Adenocarcinoma in villotubular adenoma
Oxnard (St. John's Regional Medical Center) - Villous adenoma (4)
Sacramento (U.C. Davis Residents) - Tubulovillous adenoma with severe dysplasia (in-situ carcinoma)
San Diego (Alvarado Pathology Associates) - Intramucosal adenocarcinoma in an adenomatous polyp
San Diego (Naval Medical Center) - Tubulovillous adenoma with high-grade dysplasia
San Diego (UCSD Medical Center) - Tubulovillous adenoma
San Francisco (San Francisco General Hospital) - Tubulovillous adenoma with severe atypia
Santa Barbara - Adenocarcinoma in-situ arising in dysplastic villous adenoma
Santa Rosa (Santa Rosa Memorial Hospital) - Villous adenoma (3)
Woodland Hills (Kaiser Permanente Medical Center) - Villous adenoma with carcinoma in-situ
Woodland Hills (Suda's Soldiers) - Villous adenoma with focal high-grade dysplasia
Arkansas (UAMS) - Tubulovillous adenoma, cecum
Florida (Ameripath) - Tubulovillous adenoma with CIS
Florida (Baptist Hospital, Pensacola) - Serrated adenoma (3)
Florida (Jackson Memorial Hospital) - Villous adenoma
Florida (Tallahassee Pathology Associates) - Villous adenoma with severe dysplasia
Florida (Winter Haven Hospital) - Adenocarcinoma in-situ within villous adenoma (1); Adenocarcinoma in-situ in adenomatous villous polyp (1)
Illinois (Loyola University Medical Center) - Villous adenoma with high-grade dysplasia
Illinois (MacNeal Memorial Hospital) - Villous adenoma with high-grade dysplasia (1); Serrated adenoma (1)
Indiana (Howard Regional Medical Center) - Villous adenoma
Kansas (Physicians Reference Laboratory) - Villous adenoma with no high-grade dysplasia present
Kentucky (University of Louisville) - Tubulovillous adenoma with high-grade dysplasia/intramucosal carcinoma
Louisiana (Louisiana State University Health Science Center) - Villous adenoma
Louisiana, Slidell - Villous adenoma with CIS
Maryland (Northwest Hospital Center) - Tubulovillous adenoma with high-grade dysplasia
Maryland (University of Maryland) - T-V adenoma with focal H-G dysplasia

Maryland (Silver Springs) - Tubulovillous adenoma
Massachusetts (Berkshire Medical Center) - 1. Adenocarcinoma in-situ; 2. Villous adenoma with high-grade dysplasia
Massachusetts (Tufts-New England Medical Center) - Villoglandular adenoma with high-grade dysplasia
Massachusetts, Peabody - Villous adenoma, cecum
Michigan (Oakwood Hospital) - Villous adenoma (2)
Michigan (St. Joseph's Mercy Hospital) - Adenoma
Minnesota (Fairview Ridges Hospital) - Villous adenoma, with area of high-grade dysplasia
Montana, Missoula - Villous adenoma
Nebraska (Creighton University) - In-situ carcinoma of villous adenoma
New Mexico (La Universidad De Nuevo Mexico) - Tubulovillous adenoma with focal carcinoma in-situ
New York (Long Island Jewish Medical Center) - Villous adenoma
New York (Nassau University Medical Center) - Villous adenoma
New York (State University of New York at Stony Brook) - Villous adenoma
New York (SUNY Downstate Residents) - Villous adenoma with severe dysplasia, cannot rule out invasion
North Carolina (Mountain Area Pathology) - Tubulovillous adenoma (3)
North Carolina (Pathologists Medical Laboratory) - Villous adenoma(2), with high-grade dysplasia (1)
Ohio (McCullough-Hyde Memorial Hospital) - Villous adenoma with adenocarcinoma in-situ
Pennsylvania (Drexel University College of Medicine) - Villous adenoma with high-grade dysplasia (carcinoma in-situ)
Pennsylvania (Lehigh Valley Hospital) - Adenoma
Pennsylvania (Mt. Nittany Medical Center) - Sessile serrated adenoma, cecum
Pennsylvania (Pennsylvania Hospital Residents) - Villous adenoma
Texas (Lackland AFB) - Villous adenoma
Texas (Methodist Hospital) - Villous adenoma
Texas (Scott & White Memorial Hospital) - Villous adenoma
Texas, Lubbock - Severe dysplasia in villous polyp
West Virginia (Greenbrier Valley Medical Center) - Villous adenoma
West Virginia (Wetzel County Hospital) - Villous adenoma
Wisconsin (Meriter Pathology) - Villous adenoma with high-grade dysplasia
Australia (Queensland Pathology Group) - Villous adenoma, low-grade dysplasia
Australia (Royal Hobart Hospital) - Tubulo-villous adenoma. No invasion in the submitted section.
Australia (Royal Prince Alfred Hospital) - Villous adenoma with high-grade dysplasia
Australia (Sullivan Nicolaides Pathology) - Villous adenoma
Brazil (Laboratorio Anatomia Patologica E Citologia) - Villous adenoma with high-grade dysplasia
Canada (Pasqua Hospital) - Villous adenoma
Canada (University Hospital of Sherbrooke) - Villous adenoma with low-grade dysplasia
Germany (Institut fur Pathologie UKE) - Villous adenoma (focally high-grade)
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Villous adenoma, low-grade dysplasia
Ireland (Kerry General Hospital) - Villous adenoma
Japan (Kyoto University Hospital) - Villous adenoma
Oman (Khoula Hospital) - Tubulovillous adenoma with moderate dysplasia
Puerto Rico (University of Puerto Rico) - Villous adenoma
Qatar (Hamad Medical Corporation) - Villous adenoma with high-grade dysplasia amounting to intramucosal carcinoma
Saudi Arabia (King Fahad National Guard Hospital) - Villous adenoma, high-grade
Saudi Arabia (MCH) - High-grade dysplasia in adenomatous polyp
Singapore (KK Women's & Children's Hospital) - Tubulovillous adenoma with low-grade dysplasia
The Netherlands, Amstelveen - Villous adenoma
United Kingdom (Oxford Study Group) - Caecum – Villous adenoma, moderate dysplasia

Case 3 - Diagnosis:

Villous adenoma with foci of high-grade dysplasia ("intramucosal carcinoma"), cecum
T-67100, M-8261/1, M-74000

Case 3 - References:

Takata M, Yao T, Nishiyama KI: Phenotypic Alteration In Malignant Transformation Of Colonic Villous Tumours: With Special Reference To A Comparison With Tubular Tumours. *Histopathology*, 2003 Oct; 43(4):332-9.

Yao T, Kajiwara M, Kouzuki T, et al: Villous Tumor Of The Colon And Rectum With Special Reference To Roles Of p53 And bcl-2 In Adenoma-Carcinoma Sequence. *Pathol Int*, 1999 May; 49(5):374-82.

Nozoe T, Matsumata T, Sugimachi K: Carcinoma In Villous Adenoma Of Ascending Colon Associated With Sarcoid Reaction In The Regional Lymph Nodes. *J Clin Gastroenterol*, 1999 Jun; 28(4):377-9.

Dippe B, Petrowsky H, Kruger S, et al: The Malignancy Potential Of Colorectal Polyps—Histomorphometric, Histochemical And Immunohistochemical Study Of The Dysplasia-Carcinoma Sequence. *Zentralbl Chir*, 1995; 120(7):556-63.

Case No. 4 - Accession No. 29445 September, 2006

Baldwin Park (Kaiser Permanente) - Poorly-differentiated "signet-ring" carcinoma (1); Signet-ring adenocarcinoma (1); Invasive poorly-differentiated (signet-ring) adenocarcinoma (1); Signet-ring cell carcinoma (1)

Fontana (Kaiser Permanente) - Signet-ring cell carcinoma, metastatic vs. primary

Glendale - Signet-ring cell carcinoma

Granada Hills - Signet-ring cell tumor

Hayward (Hayward-Freemont) - Diffuse (signet-ring) carcinoma

La Jolla (Scripps Health) - Poorly-differentiated signet-ring cell adenocarcinoma

La Jolla (Scripps Clinic Hematopathology Fellowship) - Signet-ring carcinoma

Loma Linda (Loma Linda University Residents) - Diffuse (signet-ring) type adenocarcinoma

Long Beach (VA Long Beach Healthcare System) - Signet-ring cell carcinoma; Neuroendocrine carcinoma (Goblet cell adenocarcinoid) (1)

Monterey (Community Hospital of the Monterey Peninsula) - Signet-ring carcinoma, rule out metastasis

Monterey Park (Garfield Medical Center) - Signet-ring cell adenocarcinoma

Oakland (Alameda County Medical Center) - Signet-ring carcinoma

Orange (Orange County Medical Group) - Adenocarcinoma, signet-ring

Orange (University of California Irvine) - Signet-ring cell carcinoma

Orange County (Kaiser Permanente) - Signet-ring cell carcinoma, metastatic ?

Oxnard (St. John's Regional Medical Center) - Signet-ring adenocarcinoma (4)

Sacramento (U.C. Davis Residents) - Adenocarcinoma with prominent signet-ring cells

San Diego (Alvarado Pathology Associates) - Signet-ring cell adenocarcinoma

San Diego (Naval Medical Center) - Signet-ring cell carcinoma

San Diego (UCSD Medical Center) - Signet-ring carcinoma

San Francisco (San Francisco General Hospital) - Aggressive Goblet cell carcinoid

Santa Barbara - Signet-ring carcinoma

Santa Rosa (Santa Rosa Memorial Hospital) - Signet-ring adenocarcinoma (3), primary vs. metastatic (1)

Woodland Hills (Kaiser Permanente Medical Center) - Signet-ring cell carcinoma, ? metastatic

Woodland Hills (Suda's Soldiers) - Signet-ring adenocarcinoma

Arkansas (UAMS) - Signet-ring cell adenocarcinoma, small bowel

Florida (Ameripath) - Signet-ring carcinoma

Florida (Baptist Hospital, Pensacola) - Goblet cell carcinoid (2); Signet-ring cell adenocarcinoma (1)

Florida (Jackson Memorial Hospital) - Signet-ring carcinoma

Florida (Tallahassee Pathology Associates) - Signet-ring cell adenocarcinoma

Florida (Winter Haven Hospital) - Signet cell adenocarcinoma (2)

Illinois (Loyola University Medical Center) - Signet-ring cell carcinoma, rule out neuroendocrine

Illinois (MacNeal Memorial Hospital) - Signet-cell carcinoma (1); Signet-ring cell adenocarcinoma (1)

Indiana (Howard Regional Medical Center) - Signet-ring carcinoma

Kansas (Physicians Reference Laboratory) - Metastatic signet-ring cell carcinoma

Kentucky (University of Louisville) - Signet-ring carcinoma vs. Goblet cell carcinoid

Louisiana (Louisiana State University Health Science Center) - Signet-ring cell adenocarcinoma
Louisiana, Slidell - Signet-ring adenocarcinoma
Maryland (Northwest Hospital Center) - Signet-ring cell adenocarcinoma
Maryland (University of Maryland) - Signet-ring adenocarcinoma
Maryland (Silver Springs) - Goblet cell carcinoid
Massachusetts (Berkshire Medical Center) - Adenocarcinoma, signet-ring cell type
Massachusetts (Tufts-New England Medical Center) - Mucin-producing adenocarcinoma, poorly-differentiated, signet-ring cell type
Massachusetts, Peabody - Signet-ring cell carcinoma, small bowel
Michigan (Oakwood Hospital) - Mucinous carcinoma, signet-ring type (1); Signet-ring adenocarcinoma (1)
Michigan (St. Joseph's Mercy Hospital) - Signet-ring cell adenocarcinoma
Minnesota (Fairview Ridges Hospital) - Signet-ring cell carcinoma (? Gastric primary)
Montana, Missoula - Signet-ring cell adenocarcinoma
Nebraska (Creighton University) - Signet-ring cell carcinoma
New York (Long Island Jewish Medical Center) - Signet-ring cell carcinoma, primary
New York (Nassau University Medical Center) - Mucinous adenocarcinoma, diffusely infiltrating
New York (State University of New York at Stony Brook) - Goblet cell carcinoid
New York (SUNY Downstate Residents) - Goblet adenocarcinoid
North Carolina (Mountain Area Pathology) - Signet-ring cell carcinoma (1); Signet-ring adenocarcinoma (1); Diffuse (signet-ring) adenocarcinoma (1)
North Carolina (Pathologists Medical Laboratory) - Signet-ring cell carcinoma (2)
Ohio (McCullough-Hyde Memorial Hospital) - Signet-ring cell adenocarcinoma
Pennsylvania (Drexel University College of Medicine) - Signet-ring cell carcinoma
Pennsylvania (Lehigh Valley Hospital) - Signet-ring carcinoma
Pennsylvania (Mt. Nittany Medical Center) - Goblet cell carcinoid tumor, small bowel
Pennsylvania (Pennsylvania Hospital Residents) - Signet-ring cell carcinoma
Texas (Lackland AFB) - Signet-ring adenocarcinoma
Texas (Methodist Hospital) - Signet-ring cell carcinoma
Texas (Scott & White Memorial Hospital) - Signet-ring cell carcinoma
Texas, Lubbock - Signet-ring cell carcinoma
West Virginia (Greenbrier Valley Medical Center) - Signet-ring carcinoma
West Virginia (Wetzel County Hospital) - Poorly-differentiated mucinous adenocarcinoma with signet-ring features invading the serosa (T3)
Wisconsin (Meriter Pathology) - Signet-cell carcinoma, metastatic
Australia (Queensland Pathology Group) - Goblet cell carcinoid
Australia (Royal Hobart Hospital) - Signet-ring cell carcinoma, small bowel
Australia (Royal Prince Alfred Hospital) - Signet-ring cell carcinoma (? Metastatic)
Australia (Sullivan Nicolaides Pathology) - Adenocarcinoma, signet-ring type
Brazil (Laboratorio Anatomia Patologica E Citologia) - Adenocarcinoma, invasive, poorly-differentiated with signet-ring cells, small intestine
Canada (Pasqua Hospital) - Signet-ring cancer
Canada (University Hospital of Sherbrooke) - Signet-ring cell carcinoma
Germany (Institut fur Pathologie UKE) - Signet-ring adenocarcinoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Poorly-differentiated (signet-ring cell) carcinoma
Ireland (Kerry General Hospital) - Signet-ring carcinoma, exclude Goblet cell carcinoid
Japan (Kyoto University Hospital) - Signet-ring cell carcinoma, possibly metastatic
Oman (Khoula Hospital) - Signet-ring carcinoma
Puerto Rico (University of Puerto Rico) - Signet-ring cell adenocarcinoma
Qatar (Hamad Medical Corporation) - Signet-ring cell carcinoma
Saudi Arabia (King Fahad National Guard Hospital) - Signet-ring cell carcinoma
Saudi Arabia (MCH) - Signet-ring adenocarcinoma
Singapore (KK Women's & Children's Hospital) - Signet-ring cell carcinoma, to exclude metastases
The Netherlands, Amstelveen - Undifferentiated mucinous adenocarcinoma (differential diagnosis: Goblet cell carcinoid)
United Kingdom (Oxford Study Group) - Small intestine – Goblet cell carcinoid (pending immunohistochemistry)

Case 4 - Diagnosis:

Signet-ring adenocarcinoma, small intestine
T-64000, M-84903

Director's Note: The tumor was clinically thought to be intestinal in origin. The stomach was "normal". (drc)

Case 4 - References:

Nguyen MD, Plasil B, Wen P, Frankel WL: Mucin Profiles In Signet-Ring Cell Carcinoma. *Arch Pathol Lab Med*, 2006 Jun; 130(6):799-804.

King-Yin Lam A, Ong K, Ho YH: Colorectal Mucinous Adenocarcinoma: The Clinicopathologic Features And Significance Of p16 And p53 Expression. *Dis Colon Rectum*, 2006 Sep; 49(9):1275-83.

Stewart SL, Wike JM, Kato I, et al: A Population-Based Study Of Colorectal Cancer Histology In The United States, 1998-2001; *Cancer*, 2006 Sep 1; 107(5 Suppl):1128-41.

Fu KI, Sano Y, Kato S, et al: Primary Signet-Ring Cell Carcinoma Of The Colon At Early Stage: A Case Report And A Review Of The Literature. *World J Gastroenterol*, 2006 Jun 7; 12(21):3446-9.

Pontes J, Fernandes C, Panao E, et al: Synchronic Signet-Ring Carcinoma And Adenocarcinoma Complicating Extensive And Long-Standing Ulcerative Colitis. *Hepato-Gastroenterology*, 1999; 46(25):236-9.

Ogino S, Brahmandam M, Cantor M, et al: Distinct Molecular Features Of Colorectal Carcinoma With Signet-Ring Cell Component And Colorectal Carcinoma With Mucinous Component. *Mod Pathol*, 2006; 19(1):59-68.

Bloomston M, Walker M, Frankel WL: Radical Resection In Signet-Ring Carcinoma Of The Ampulla Of Vater: Report Of An 11-Year Survivor. *Am Surg*, 2006; 72(2):193-5.

Case No. 5 - Accession No. 29093 September, 2006

Baldwin Park (Kaiser Permanente) - GIST (uncertain malignant potential) (4)
Fontana (Kaiser Permanente) - Gastrointestinal stromal tumor
Glendale - GIST
Granada Hills - Gastric leiomyoma
Hayward (Hayward-Freemont) - Leiomyosarcoma vs. SFT
La Jolla (Scripps Health) - Gastrointestinal stromal tumor, favor malignant
La Jolla (Scripps Clinic Hematopathology Fellowship) - Gastrointestinal stromal tumor (GIST), malignant
Loma Linda (Loma Linda University Residents) - Solitary fibrous tumor
Long Beach (VA Long Beach Healthcare System) - Malignant gastrointestinal stromal tumor
Monterey (Community Hospital of the Monterey Peninsula) - GIST
Monterey Park (Garfield Medical Center) - GIST, intermediate grade
Oakland (Alameda County Medical Center) - Gastrointestinal stromal tumor, malignant
Orange (Orange County Medical Group) - Leiomyosarcoma
Orange (University of California Irvine) - Gastrointestinal stromal tumor
Orange County (Kaiser Permanente) - GIST
Oxnard (St. John's Regional Medical Center) - GIST (4)
Sacramento (U.C. Davis Residents) - Solitary fibrous tumor
San Diego (Alvarado Pathology Associates) - Gastrointestinal stromal tumor, malignant
San Diego (Naval Medical Center) - Malignant gastrointestinal stromal tumor
San Diego (UCSD Medical Center) - Malignant gastrointestinal stromal tumor
San Francisco (San Francisco General Hospital) - Leiomyosarcoma
Santa Barbara - Gastrointestinal stromal tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Gastrointestinal stromal tumor (2); GIST vs. smooth muscle tumor vs. solitary fibrous tumor (1)
Woodland Hills (Kaiser Permanente Medical Center) - GIST
Woodland Hills (Suda's Soldiers) - Malignant GIST (high risk)
Arkansas (UAMS) - Gastrointestinal stromal tumor, stomach/omentum
Florida (Ameripath) - Malignant fibrohistiocytoma

Florida (Baptist Hospital, Pensacola) - Leiomyosarcoma (1); GIST vs. leiomyosarcoma, need C-kit (1); GIST (1)
Florida (Jackson Memorial Hospital) - Gastrointestinal stromal tumor (GIST)
Florida (Tallahassee Pathology Associates) - GIST, high risk malignant potential
Florida (Winter Haven Hospital) - Leiomyosarcoma (2)
Illinois (Loyola University Medical Center) - Spindle cell tumor, favor GIST
Illinois (MacNeal Memorial Hospital) - Leiomyosarcoma (1); GIST (1)
Indiana (Howard Regional Medical Center) - GIST
Kansas (Physicians Reference Laboratory) - (GIST) Gastrointestinal stromal tumor, low-grade morphology, but greater than 5.0 cm, therefore high-grade
Kentucky (University of Louisville) - Malignant GIST
Louisiana (Louisiana State University Health Science Center) - Favour leiomyosarcoma over GIST
Louisiana, Slidell - Leiomyosarcoma
Maryland (Northwest Hospital Center) - Gastrointestinal stromal tumor
Maryland (University of Maryland) - GIST
Maryland (Silver Springs) - Leiomyosarcoma
Massachusetts (Berkshire Medical Center) - Malignant spindle cell tumor, consistent with GIST
Massachusetts (Tufts-New England Medical Center) - Gastrointestinal stromal tumor/Solitary fibrous tumor
Massachusetts, Peabody - Leiomyosarcoma, gastric omentum
Michigan (Oakwood Hospital) - Gastrointestinal stromal tumor (2), of low malignant potential (1)
Michigan (St. Joseph's Mercy Hospital) - Gastrointestinal stromal tumor
Minnesota (Fairview Ridges Hospital) - Gastrointestinal stromal tumor
Montana, Missoula - Gastrointestinal stromal tumor
Nebraska (Creighton University) - GIST
New York (Long Island Jewish Medical Center) - Gastrointestinal stromal tumor
New York (Nassau University Medical Center) - GIST
New York (State University of New York at Stony Brook) - Leiomyosarcoma
New York (SUNY Downstate Residents) - Gastrointestinal stromal tumor, malignant
North Carolina (Mountain Area Pathology) - GIST (3)
North Carolina (Pathologists Medical Laboratory) - Malignant gastrointestinal stromal tumor (2)
Ohio (McCullough-Hyde Memorial Hospital) - Spindle cell pancreatic endocrine tumor
Pennsylvania (Drexel University College of Medicine) - GIST, high risk of aggressive behavior
Pennsylvania (Lehigh Valley Hospital) - GIST, malignant
Pennsylvania (Mt. Nittany Medical Center) - GIST, favor malignant, stomach
Pennsylvania (Pennsylvania Hospital Residents) - Gastrointestinal stromal tumor
Texas (Lackland AFB) - GIST
Texas (Methodist Hospital) - Gastrointestinal stromal tumor
Texas (Scott & White Memorial Hospital) - GIST
Texas, Lubbock - Leiomyosarcoma
West Virginia (Greenbrier Valley Medical Center) - Leiomyosarcoma
West Virginia (Wetzel County Hospital) - Malignant GIST
Wisconsin (Meriter Pathology) - GIST
Australia (Queensland Pathology Group) - Leiomyosarcoma/GIST
Australia (Royal Hobart Hospital) - GIST
Australia (Royal Prince Alfred Hospital) - Gastrointestinal stromal tumour (high risk)
Australia (Sullivan Nicolaides Pathology) - GIST
Brazil (Laboratorio Anatomia Patologica E Citologia) - GIST, omentum
Canada (Pasqua Hospital) - GIST
Canada (University Hospital of Sherbrooke) - GIST, high risk
Germany (Institut fur Pathologie UKE) - GIST (malignant)
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - GIST
Ireland (Kerry General Hospital) - GIST
Japan (Kyoto University Hospital) - Gastrointestinal stromal tumor
Oman (Khoula Hospital) - Gastrointestinal stromal tumour

Puerto Rico (University of Puerto Rico) - Smooth muscle tumor vs. Gastrointestinal stromal tumor (GIST) vs. Solitary fibrous tumor

Qatar (Hamad Medical Corporation) - Gastrointestinal stromal tumor, probably malignant

Saudi Arabia (King Fahad National Guard Hospital) - GIST

Saudi Arabia (MCH) - Gastrointestinal stromal tumour, high-grade

Singapore (KK Women's & Children's Hospital) - Gastrointestinal stromal tumour, high risk

The Netherlands, Amstelveen - Gastrointestinal stromal tumor (GIST)

United Kingdom (Oxford Study Group) - Gastric omentum - Leiomyosarcoma

Case 5 - Diagnosis:

Gastrointestinal stromal tumor, gastric omentum
T-63850, M-88903

Director's note: A CD117, done later, was positive. (drc)

Case 5 - References:

Oba T, Hamatsu T, Kuroda Y, et al: Gastrointestinal Stromal Tumor Of The Omentum: Report Of A Case. *Fukuoka Igaku Zasshi*, 2003 Dec; 94(12):347-50.

Maki RG: Gastrointestinal Stromal Tumors Respond To Tyrosine Kinase-Targeted Therapy. *Curr Treat Options Gastroenterol*, 2004 Feb; 7(1):13-17.

Miettinen M, Makhlouf H, Sobin LH, Lasota J: Gastrointestinal Stromal Tumors Of The Jejunum And Ileum: A Clinicopathologic, Immunohistochemical, And Molecular Genetic Study Of 906 Cases Before Imatinib With Long-Term Follow-Up. *Am J Surg Pathol*, 2006; 30(4):477-89.

Van der Zwan SM, DeMatteo RP: Gastrointestinal Stromal Tumor: 5 Years Later. *Cancer*, 2005; 104(9):1781-8.

Kuhlgatz J, Sander B, Golas MM, et al: Differential Diagnosis Of Gastrointestinal Leiomyoma Versus Gastrointestinal Stromal Tumor. *International Journal of Colorectal Disease*, 2006; 21(1):84-8.

Case No. 6 - Accession No. 30125 (originally 30109) September, 2006

Baldwin Park (Kaiser Permanente) - GIST (4)

Fontana (Kaiser Permanente) - Gastrointestinal stromal tumor

Glendale - GIST

Granada Hills - Gastric stromal tumor

Hayward (Hayward-Freemont) - GIST

La Jolla (Scripps Health) - Gastrointestinal stromal tumor, favor benign

La Jolla (Scripps Clinic Hematopathology Fellowship) - Gastrointestinal stromal tumor (GIST)

Loma Linda (Loma Linda University Residents) - GIST

Long Beach (VA Long Beach Healthcare System) - Gastrointestinal stromal tumor of unknown malignant potential

Monterey (Community Hospital of the Monterey Peninsula) - GIST

Monterey Park (Garfield Medical Center) - GIST, Intermediate to high grade

Oakland (Alameda County Medical Center) - Gastrointestinal stromal tumor

Orange (Orange County Medical Group) - GI stromal tumor

Orange (University of California Irvine) - Gastrointestinal stromal tumor

Orange County (Kaiser Permanente) - GIST

Oxnard (St. John's Regional Medical Center) - ? sarcomatoid carcinoma (1); GIST (3)

Sacramento (U.C. Davis Residents) - GIST

San Diego (Alvarado Pathology Associates) - Gastrointestinal stromal tumor, malignant

San Diego (Naval Medical Center) - Gastrointestinal stromal tumor (GIST)

San Francisco (San Francisco General Hospital) - Gastrointestinal stromal tumor

Santa Barbara - Consistent with GIST

Santa Rosa (Santa Rosa Memorial Hospital) - Gastrointestinal stromal tumor (2); Spindle cell neoplasm of gastric wall consistent with gastrointestinal stromal tumor (1)

Woodland Hills (Kaiser Permanente Medical Center) - GIST
Woodland Hills (Suda's Soldiers) - GIST (high risk)
Arkansas (UAMS) - Gastrointestinal stromal tumor, stomach
Florida (Ameripath) - Gastrointestinal stromal tumor
Florida (Baptist Hospital, Pensacola) - GIST (3)
Florida (Jackson Memorial Hospital) - GIST
Florida (Tallahassee Pathology Associates) - GIST, low risk malignant potential
Florida (Winter Haven Hospital) - GIST (2)
Illinois (Loyola University Medical Center) - Gastric mucosa with underlying probable GIST
Illinois (MacNeal Memorial Hospital) - Stomach GIST (1); GIST vs. smooth muscle tumor (1)
Indiana (Howard Regional Medical Center) - GIST
Kansas (Physicians Reference Laboratory) - Gastrointestinal stromal tumor, high-grade
Kentucky (University of Louisville) - GIST of uncertain malignant potential
Louisiana (Louisiana State University Health Science Center) - Favour GIST
Louisiana, Slidell - GIST tumor
Maryland (Northwest Hospital Center) - Gastrointestinal stromal tumor
Maryland (University of Maryland) - Stomach GIST
Maryland (Silver Springs) - Gastrointestinal stromal tumor
Massachusetts (Berkshire Medical Center) - GIST
Massachusetts (Tufts-New England Medical Center) - Leiomyoblastoma/Leiomyosarcoma
Michigan (Oakwood Hospital) - Gastrointestinal stromal tumor (2)
Michigan (St. Joseph's Mercy Hospital) - Gastrointestinal stromal tumor
Minnesota (Fairview Ridges Hospital) - Gastrointestinal stromal tumor
Montana, Missoula - Gastrointestinal stromal tumor
Nebraska (Creighton University) - GIST
New York (Nassau University Medical Center) - GIST
New York (State University of New York at Stony Brook) - GIST
New York (SUNY Downstate Residents) - Gastrointestinal stromal tumor
North Carolina (Mountain Area Pathology) - GIST (3)
North Carolina (Pathologists Medical Laboratory) - Gastrointestinal stromal tumor (2), benign (1)
Ohio (McCullough-Hyde Memorial Hospital) - GI stromal tumor
Pennsylvania (Drexel University College of Medicine) - GIST
Pennsylvania (Lehigh Valley Hospital) - GIST
Pennsylvania (Mt. Nittany Medical Center) - GIST, favor benign, stomach
Pennsylvania (Pennsylvania Hospital Residents) - Gastrointestinal stromal tumor
Texas (Lackland AFB) - GIST, stomach
Texas (Methodist Hospital) - Gastrointestinal stromal tumor
Texas (Scott & White Memorial Hospital) - GIST
Texas, Lubbock - Gastrointestinal stromal tumor
West Virginia (Greenbrier Valley Medical Center) - Gastrointestinal stromal tumor
West Virginia (Wetzel County Hospital) - Malignant GIST
Wisconsin (Meriter Pathology) - GIST
Australia (Queensland Pathology Group) - GIST
Australia (Royal Hobart Hospital) - GIST
Australia (Royal Prince Alfred Hospital) - Gastrointestinal stromal tumour (intermediate risk)
Australia (Sullivan Nicolaides Pathology) - GIST
Brazil (Laboratorio Anatomia Patologica E Citologia) - GIST, gastric
Canada (Pasqua Hospital) - GIST
Canada (University Hospital of Sherbrooke) - GIST, spindle cell
Germany (Institut fur Pathologie UKE) - GIST
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - GIST
Ireland (Kerry General Hospital) - GIST
Japan (Kyoto University Hospital) - Gastrointestinal stromal tumor

Oman (Khoula Hospital) - 1. Wrong slide of gastrointestinal stromal tumour by mistake kept. 2. Spindle HCC infiltrating stomach
Puerto Rico (University of Puerto Rico) - Gastrointestinal stromal tumor (GIST), borderline
Qatar (Hamad Medical Corporation) - Gastrointestinal stromal tumor, borderline
Saudi Arabia (King Fahad National Guard Hospital) - GIST
Saudi Arabia (MCH) - Gastrointestinal stromal tumour, low-grade
Singapore (KK Women's & Children's Hospital) - Gastrointestinal stromal tumour, intermediate risk
The Netherlands, Amstelveen - Gastric wall with a GIST
United Kingdom (Oxford Study Group) - Stomach – Gastrointestinal stromal tumour, recurrent, intermediate malignant risk

Case 6 - Diagnosis:

Gastrointestinal stromal tumor (GIST), stomach
T-63000, M-88903

Case 6 - References:

Kawanowa K. Sakuma Y, Sakurai S, et al: High Incidence Of Microscopic Gastrointestinal Stromal Tumors In The Stomach. *Hum Pathol*, 2006 Sep 21; (Epub ahead of print)

Hata Y, Ishigami S, Natsugoe S, et al: P53 And MIB-1 Expression In Gastrointestinal Stromal Tumor (GIST) Of The Stomach. *Hepatogastroenterology*, 2006 Jul-Aug, 53(70):613-5.

Cladera P, Orellana Fernandez R, Darnell Martin A, et al: Gastrointestinal Stromal Tumors: Experience In 49 Patients. *Clin Transl Oncol*, 2006 Aug; 8(8):594-8.

Bardell T, Jalink DW, Hurlbut DJ, Mercer CD: Gastrointestinal Stromal Tumour: Varied Presentation Of A Rare Disease. *Can J Surg*, 2006 Aug; 49(4):286-9.

Santambrogio R, Montorsi M, Schubert L, et al: Laparoscopic Ultrasound-Guided Resection Of Gastric Submucosal Tumors. *Surg Endosc*, 2006 Aug; 20(8):1305-7.

Case No. 7 - Accession No. 29340 & TR54-6038 September, 2006

Baldwin Park (Kaiser Permanente) - Undifferentiated "small cell" carcinoma (1); Neuroendocrine carcinoma (3), small cell (1);
Fontana (Kaiser Permanente) - Neuroendocrine carcinoma
Glendale - Adenocarcinoma and signet-ring cell carcinoma
Granada Hills - Poorly-differentiated large cell tumor with neuroendocrine carcinoma
Hayward (Hayward-Freemont) - Adenomatous hyperplasia + small cell carcinoma
La Jolla (Scripps Health) - Poorly-differentiated adenocarcinoma with neuroendocrine features
La Jolla (Scripps Clinic Hematopathology Fellowship) - Poorly-differentiated neuroendocrine carcinoma
Loma Linda (Loma Linda University Residents) - Small cell carcinoma
Long Beach (VA Long Beach Healthcare System) - Neuroendocrine carcinoma (2), poorly-differentiated (1), high-grade (1)
Monterey (Community Hospital of the Monterey Peninsula) - Poorly-differentiated neuroendocrine carcinoma, metastatic
Monterey Park (Garfield Medical Center) - Neuroendocrine small cell anaplastic carcinoma
Oakland (Alameda County Medical Center) - Undifferentiated carcinoma, small cell type
Orange (Orange County Medical Group) - Neuroendocrine carcinoma
Orange (University of California Irvine) - Neuroendocrine carcinoma & intra-epithelial carcinoma
Orange County (Kaiser Permanente) - Neuroendocrine carcinoma
Oxnard (St. John's Regional Medical Center) - Carcinoma of neuroendocrine (1); Small cell neuroendocrine carcinoma (1); Neuroendocrine carcinoma (2), frankly malignant carcinoid (1).
Sacramento (U.C. Davis Residents) - Neuroendocrine carcinoma, Grade III
San Diego (Alvarado Pathology Associates) - Large cell neuroendocrine carcinoma
San Diego (Naval Medical Center) - Primary small cell carcinoma of the gallbladder (TR01-29340)
San Diego (UCSD Medical Center) - Poorly-differentiated neuroendocrine carcinoma
San Francisco (San Francisco General Hospital) - Neuroendocrine carcinoma
Santa Barbara - Small cell neuroendocrine carcinoma
Santa Rosa (Santa Rosa Memorial Hospital) - Neuroendocrine carcinoma (3)
Woodland Hills (Kaiser Permanente Medical Center) - Small cell neuroendocrine carcinoma, favor metastatic

Woodland Hills (Suda's Soldiers) - Metastatic small cell carcinoma
Arkansas (UAMS) - Metastatic pulmonary small cell carcinoma, gallbladder
Florida (Ameripath) - Atypical carcinoid
Florida (Baptist Hospital, Pensacola) - Neuroendocrine carcinoma (2), high-grade (1); Mixed undifferentiated small cell carcinoma and poorly-differentiated adenocarcinoma (1)
Florida (Jackson Memorial Hospital) - Neuroendocrine carcinoma, large cell, Grade II
Florida (Tallahassee Pathology Associates) - Small cell carcinoma
Florida (Winter Haven Hospital) - Small cell carcinoma (2)
Illinois (Loyola University Medical Center) - Atypical carcinoid
Illinois (MacNeal Memorial Hospital) - Neuroendocrine carcinoma (1), small cell neuroendocrine tumor (1)
Indiana (Howard Regional Medical Center) - Carcinoid
Kansas (Physicians Reference Laboratory) - Small cell carcinoma, metastatic to gallbladder (what does TTF-1 show?)
Kentucky (University of Louisville) - Mixed adenocarcinoma – small cell carcinoma
Louisiana (Louisiana State University Health Science Center) - Metastatic small cell carcinoma
Louisiana, Slidell - Malignant carcinoid
Maryland (Northwest Hospital Center) - Small cell carcinoma
Maryland (University of Maryland) - Lung – Small cell carcinoma (wrong slide)
Maryland (Silver Springs) - Metastatic small cell carcinoma
Massachusetts (Berkshire Medical Center) - 1. Adenocarcinoma with malignant neuroendocrine features; 2. Small cell cancer
Massachusetts (Tufts-New England Medical Center) - Poorly-differentiated neuroendocrine carcinoma
Massachusetts, Peabody - Malignant carcinoid tumor
Michigan (Oakwood Hospital) - Neuroendocrine carcinoma, mixed small and large cell (1); Small cell carcinoma (1)
Michigan (St. Joseph's Mercy Hospital) - Large cell neuroendocrine carcinoma
Minnesota (Fairview Ridges Hospital) - Neuroendocrine carcinoma, high-grade
Montana, Missoula - Small cell carcinoma
Nebraska (Creighton University) - Small cell carcinoma
New York (Long Island Jewish Medical Center) - Mixed tumor, adenocarcinoma with small cell carcinoma
New York (Nassau University Medical Center) - Neuroendocrine carcinoma, predominantly small cell type, gallbladder
New York (State University of New York at Stony Brook) - Neuroendocrine carcinoma
New York (SUNY Downstate Residents) - Small cell carcinoma
North Carolina (Mountain Area Pathology) - Metastatic small cell carcinoma (3)
North Carolina (Pathologists Medical Laboratory) - Small cell neuroendocrine carcinoma (1); Small cell carcinoma (1)
Ohio (McCullough-Hyde Memorial Hospital) - Undifferentiated neuroendocrine carcinoma
Pennsylvania (Drexel University College of Medicine) - Neuroendocrine carcinoma
Pennsylvania (Lehigh Valley Hospital) - Neuroendocrine carcinoma, Grade III
Pennsylvania (Mt. Nittany Medical Center) - Small cell carcinoma, gallbladder
Pennsylvania (Pennsylvania Hospital Residents) - Small cell carcinoma
Texas (Lackland AFB) - Neuroendocrine carcinoma
Texas (Methodist Hospital) - Metastatic small cell carcinoma
Texas (Scott & White Memorial Hospital) - Neuroendocrine carcinoma
Texas, Lubbock - Metastatic neuroendocrine carcinoma
West Virginia (Greenbrier Valley Medical Center) - Neuroendocrine carcinoma
West Virginia (Wetzel County Hospital) - Neuroendocrine carcinoma
Wisconsin (Meriter Pathology) - Carcinoid
Australia (Queensland Pathology Group) - Neuroendocrine carcinoma
Australia (Royal Hobart Hospital) - High-grade neuroendocrine carcinoma in gallbladder wall in a background of high-grade mucosal dysplasia
Australia (Royal Prince Alfred Hospital) - Metastatic high-grade neuroendocrine carcinoma (? Lung primary)
Australia (Sullivan Nicolaides Pathology) - In-situ carcinoma and metastatic small cell undifferentiated carcinoma
Brazil (Laboratorio Anatomia Patologica E Citologia) - High-grade neuroendocrine tumor (NE carcinoma, poorly-differentiated)
Canada (Pasqua Hospital) - Neuroendocrine carcinoma
Canada (University Hospital of Sherbrooke) - Small cell neuroendocrine carcinoma + high-grade dysplasia (epithelium)
Germany (Institut fur Pathologie UKE) - Neuroendocrine tumor (atypical carcinoid)

Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Carcinoma with neuroendocrine features
Ireland (Kerry General Hospital) - Carcinoid tumour
Japan (Kyoto University Hospital) - Neuroendocrine carcinoma
Oman (Khoula Hospital) - Neuroendocrine carcinoma
Puerto Rico (University of Puerto Rico) - Neuroendocrine carcinoma (metastatic ?)/Adenocarcinoma of gallbladder
Qatar (Hamad Medical Corporation) - Neuroendocrine carcinoma with focal severe mucosal dysplasia
Saudi Arabia (King Fahad National Guard Hospital) - Poorly-differentiated neuroendocrine carcinoma
Saudi Arabia (MCH) - Small cell carcinoma
Singapore (KK Women's & Children's Hospital) - Small cell carcinoma
The Netherlands, Amstelveen - Metastatic small cell lung cancer and adenocarcinoma of the gallbladder
United Kingdom (Oxford Study Group) - Lung – small cell carcinoma

Case 7 - Diagnosis:
Small cell carcinoma/neuroendocrine carcinoma, gallbladder
T-57000, M-8041/3

Director's note: Most study sets had tumor of gallbladder origin. A few had similar neoplasm involving lung. (drc)

Case 7 - References:
Bahadur S, Shaukat A, Gibbs J, et al: Cisplatin And Gemcitabine For Small Cell Carcinoma Of The Gallbladder. *Am J Clin Oncol*, 2005 Aug; 28(4):425-6.
Okamoto H, Miura K, Ogawara T, et al: Small-Cell Carcinoma Manifesting Systemic Lymphadenopathy Combined With Adenocarcinoma In The Gallbladder: Aggressiveness And Sensitivity To Chemotherapy. *J Gastroenterol*, 2003; 38(8):801-5.
Fujii H, Aotake T, Horiuchi T, et al: Small Cell Carcinoma Of The Gallbladder: A Case Report And Review Of 53 Cases In The Literature. *Hepatogastroenterology*, 2001 Nov-Dec; 48(42):1588-93.
Pavithran K, Doval DC, Vaid AK, Verma RN: Small Cell Carcinoma Of The Gallbladder: Case Report And Review Of The Literature. *Trop Gastroenterol*, 2001 Jul-Sep; 22(3):170-1.
Moskal TL, Zhang PJ, Nava HR: Small Cell Carcinoma Of The Gallbladder. *J Surg Oncol*, 1999 Jan; 70(1):54-9.

Case No. 8 - Accession No. 29440 September, 2006

Baldwin Park (Kaiser Permanente) - Adenocarcinoma with neuroendocrine features (1); Moderately-differentiated adenocarcinoma of the gallbladder (3), invasive (1)
Fontana (Kaiser Permanente) - Adenocarcinoma, gallbladder
Glendale - Adenocarcinoma
Granada Hills - Well-differentiated adenocarcinoma
Hayward (Hayward-Freemont) - Adenocarcinoma, gallbladder
La Jolla (Scripps Health) - Adenocarcinoma
La Jolla (Scripps Clinic Hematopathology Fellowship) - Primary adenocarcinoma of the gallbladder
Loma Linda (Loma Linda University Residents) - Adenocarcinoma
Long Beach (VA Long Beach Healthcare System) - Adenocarcinoma, moderately well-differentiated
Monterey (Community Hospital of the Monterey Peninsula) - Adenocarcinoma, moderately differentiated
Monterey Park (Garfield Medical Center) - Moderately differentiated adenocarcinoma of gallbladder
Oakland (Alameda County Medical Center) - Adenocarcinoma, invasive
Orange (Orange County Medical Group) - Adenocarcinoma
Orange (University of California Irvine) - Adenocarcinoma
Orange County (Kaiser Permanente) - Adenocarcinoma
Oxnard (St. John's Regional Medical Center) - Adenocarcinoma of gallbladder (4), moderately differentiated (1)
Sacramento (U.C. Davis Residents) - Adenocarcinoma
San Diego (Alvarado Pathology Associates) - Adenocarcinoma of gallbladder
San Diego (Naval Medical Center) - Invasive papillary adenocarcinoma of the gallbladder
San Diego (UCSD Medical Center) - Enteric-type adenocarcinoma

San Francisco (San Francisco General Hospital) - Adenosquamous carcinoma
Santa Barbara - Adenocarcinoma
Santa Rosa (Santa Rosa Memorial Hospital) - Adenocarcinoma of gallbladder (3)
Woodland Hills (Kaiser Permanente Medical Center) - Invasive adenocarcinoma with focal squamous differentiation
Woodland Hills (Suda's Soldiers) - Adenocarcinoma
Arkansas (UAMS) - Adenocarcinoma, gallbladder
Florida (Ameripath) - Adenocarcinoma
Florida (Baptist Hospital, Pensacola) - Adenocarcinoma with papillary features (1); Invasive adenocarcinoma (1); Adenocarcinoma, C.B. 1°
Florida (Jackson Memorial Hospital) - Adenocarcinoma of the gallbladder
Florida (Tallahassee Pathology Associates) - Adenocarcinoma of gallbladder
Florida (Winter Haven Hospital) - Adenocarcinoma (2)
Illinois (Loyola University Medical Center) - Papillary adenocarcinoma
Illinois (MacNeal Memorial Hospital) - Infiltrating adenocarcinoma, intestinal type (1); Gallbladder adenocarcinoma (1)
Indiana (Howard Regional Medical Center) - Adenocarcinoma, gallbladder
Kansas (Physicians Reference Laboratory) - Invasive moderately-differentiated adenocarcinoma, invades lamina propria (pT1a)
Kentucky (University of Louisville) - Adenocarcinoma of the gallbladder
Louisiana (Louisiana State University Health Science Center) - Invasive adenocarcinoma
Louisiana, Slidell - Polypoid adenocarcinoma
Maryland (Northwest Hospital Center) - In-situ and invasive adenocarcinoma
Maryland (University of Maryland) - Papillary adenocarcinoma
Maryland (Silver Springs) - Well-differentiated gallbladder adenocarcinoma
Massachusetts (Berkshire Medical Center) - Adenocarcinoma of gallbladder
Massachusetts (Tufts-New England Medical Center) - Adenocarcinoma, gallbladder
Massachusetts, Peabody - Adenocarcinoma, gallbladder
Michigan (Oakwood Hospital) - Adenocarcinoma, intestinal type (1); Cholangiocarcinoma (1)
Michigan (St. Joseph's Mercy Hospital) - Adenocarcinoma
Minnesota (Fairview Ridges Hospital) - Adenocarcinoma
Montana, Missoula - Invasive adenocarcinoma
Nebraska (Creighton University) - Adenocarcinoma of gallbladder
New York (Long Island Jewish Medical Center) - Adenocarcinoma, moderately to poorly-differentiated
New York (Nassau University Medical Center) - Infiltrating adenocarcinoma, gallbladder
New York (State University of New York at Stony Brook) - Adenocarcinoma arising in a villous adenoma
New York (SUNY Downstate Residents) - Adenocarcinoma
North Carolina (Mountain Area Pathology) - Adenocarcinoma (2); Moderately differentiated adenocarcinoma (1)
North Carolina (Pathologists Medical Laboratory) - Adenocarcinoma (2)
Ohio (McCullough-Hyde Memorial Hospital) - Adenocarcinoma
Pennsylvania (Drexel University College of Medicine) - Adenocarcinoma of gallbladder (cholangiocarcinoma)
Pennsylvania (Lehigh Valley Hospital) - Adenocarcinoma
Pennsylvania (Mt. Nittany Medical Center) - Invasive papillary adenocarcinoma, gallbladder
Pennsylvania (Pennsylvania Hospital Residents) - Gallbladder carcinoma
Texas (Lackland AFB) - Adenocarcinoma, gallbladder
Texas (Methodist Hospital) - Moderately-differentiated adenocarcinoma
Texas (Scott & White Memorial Hospital) - Invasive adenocarcinoma
Texas, Lubbock - Adenocarcinoma
West Virginia (Greenbrier Valley Medical Center) - Adenocarcinoma, NOS
West Virginia (Wetzel County Hospital) - Invasive moderately-differentiated adenocarcinoma
Wisconsin (Meriter Pathology) - Adenocarcinoma
Australia (Queensland Pathology Group) - Adenocarcinoma of gallbladder
Australia (Royal Hobart Hospital) - Papillary and invasive adenocarcinoma of gallbladder
Australia (Royal Prince Alfred Hospital) - Adenocarcinoma, moderately-differentiated, arising in villous adenoma with high-grade dysplasia
Australia (Sullivan Nicolaides Pathology) - Adenocarcinoma of gallbladder

Brazil (Laboratorio Anatomia Patologica E Citologia) - Adenocarcinoma, invasive, well-differentiated (papillary ?, intestinal type ?)
Canada (Pasqua Hospital) - Adenocarcinoma, gallbladder
Canada (University Hospital of Sherbrooke) - Well-differentiated infiltrative adenocarcinoma, biliary type
Germany (Institut fur Pathologie UKE) - Invasive adenocarcinoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Adenocarcinoma
Ireland (Kerry General Hospital) - Cholangiocarcinoma
Japan (Kyoto University Hospital) - Adenocarcinoma
Oman (Khoula Hospital) - Adenocarcinoma
Puerto Rico (University of Puerto Rico) - Gallbladder adenocarcinoma
Qatar (Hamad Medical Corporation) - Adenocarcinoma arising in villous adenoma
Saudi Arabia (King Fahad National Guard Hospital) - Invasive adenocarcinoma on top of adenomatous polyp
Saudi Arabia (MCH) - Adenocarcinoma
Singapore (KK Women's & Children's Hospital) - Adenocarcinoma of gallbladder
The Netherlands, Amstelveen - Adenocarcinoma of the gallbladder
United Kingdom (Oxford Study Group) - Gallbladder – Moderately-differentiated adenocarcinoma

Case 8 - Diagnosis:

Adenocarcinoma with papillary features, gallbladder
T-57000, M-8260/3

Case 8 – References:

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Vlad L, Osian G, Iancu C, et al: Gallbladder Carcinoma. A Clinical Study Of A Series Of 38 Cases. *Rom J Gastroenterol*, 2003 Sep; 12(3):199-202.
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Nuzzo G, Clemente G, Cadeddu F, et al: Papillary Carcinoma Of The Gallbladder And Anomalous Pancreatico-Biliary Junction. Report Of Three Cases And Review Of The Literature. *Hepato-Gastroenterology*, 2005; 52(64):1034-8.
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Case No. 9 - Accession No. 30146 September, 2006

Baldwin Park (Kaiser Permanente) - Microcystic serous adenoma (2); Microcystic serous cystadenoma (1); Serous cystadenoma (1)
Fontana (Kaiser Permanente) - Microcystic serous cystadenoma
Glendale - Serous cystadenoma
Granada Hills - Mucinous non-neoplastic cysts
Hayward (Hayward-Freemont) - Microcystic adenoma
La Jolla (Scripps Health) - Serous microcystic adenoma
La Jolla (Scripps Clinic Hematopathology Fellowship) - Serous microcystic adenoma
Loma Linda (Loma Linda University Residents) - Serous cystadenoma
Long Beach (VA Long Beach Healthcare System) - Serous microcystic adenoma; Serous cyst adenoma (1)
Monterey (Community Hospital of the Monterey Peninsula) - Serous microcystic adenoma
Monterey Park (Garfield Medical Center) - Solid pseudopapillary tumor
Oakland (Alameda County Medical Center) - Serous microcystic adenoma
Orange (Orange County Medical Group) - Microcystic adenoma
Orange (University of California Irvine) - Microcystic serous cystadenoma
Orange County (Kaiser Permanente) - Serous cystadenoma
Oxnard (St. John's Regional Medical Center) - Microcystic cystadenoma (3); Serous cystadenoma (microcystic adenoma) (1)
Sacramento (U.C. Davis Residents) - Serous microcystic cystadenoma
San Diego (Alvarado Pathology Associates) - Microcystic serous cystadenoma

San Diego (Naval Medical Center) - Serous microcystic carcinoma
San Diego (UCSD Medical Center) - Serous microcystic adenoma
San Francisco (San Francisco General Hospital) - Serous microcystic adenoma
Santa Barbara - Microcystic cystadenoma
Santa Rosa (Santa Rosa Memorial Hospital) - Serous cystadenoma (1); Microcystic cystadenoma (1); Serous microcystic adenoma (1)
Woodland Hills (Kaiser Permanente Medical Center) - Microcystic cystadenoma
Woodland Hills (Suda's Soldiers) - Microcystic adenoma (serous adenoma)
Arkansas (UAMS) - Serous microcystic adenoma, pancreas
Florida (Ameripath) - Serous cystadenoma
Florida (Baptist Hospital, Pensacola) - Serous microcystic adenoma (1); Microcystic serous adenoma (1); Microcystic adenoma (1)
Florida (Jackson Memorial Hospital) - Microcystic cystadenoma of the pancreas
Florida (Tallahassee Pathology Associates) - Microcystic cystadenoma
Florida (Winter Haven Hospital) - Cystadenoma (2)
Illinois (Loyola University Medical Center) - Microcystic serous adenoma
Illinois (MacNeal Memorial Hospital) - Microcystic serous cystadenoma (1); Microcystic cystadenoma (1)
Indiana (Howard Regional Medical Center) - Microcystic adenoma
Kansas (Physicians Reference Laboratory) - Serous microcystic adenoma
Kentucky (University of Louisville) - Serous microcystic adenoma of pancreas
Louisiana (Louisiana State University Health Science Center) - Microcystic serous cystadenoma
Louisiana, Slidell - Serous cystadenoma
Maryland (Northwest Hospital Center) - Microcystic serous cystadenoma
Maryland (University of Maryland) - Microcystic serous cystadenoma
Maryland (Silver Springs) - Serous cystadenoma
Massachusetts (Berkshire Medical Center) - Serous cystadenoma
Massachusetts (Tufts-New England Medical Center) - Serous microcystic adenoma, pancreas
Massachusetts, Peabody - Serous cystic tumor, pancreas
Michigan (Oakwood Hospital) - Serous microcystic adenoma (1); Serous neoplasm (1)
Michigan (St. Joseph's Mercy Hospital) - Microcystic adenoma
Minnesota (Fairview Ridges Hospital) - Serous cystadenoma
Montana, Missoula - Serous microcystic tumor
Nebraska (Creighton University) - Serous microcystic adenoma
New York (Long Island Jewish Medical Center) - Serous microcystic cystadenoma
New York (Nassau University Medical Center) - Serous cystadenoma, pancreas
New York (State University of New York at Stony Brook) - Serous cyst adenoma
New York (SUNY Downstate Residents) - Microcystic serous adenocarcinoma
North Carolina (Mountain Area Pathology) - Microcystic serous cystadenoma (2); Serous microcystic adenoma (1)
North Carolina (Pathologists Medical Laboratory) - Serous microcystic adenoma (1); Microcystic adenoma (1)
Ohio (McCullough-Hyde Memorial Hospital) - Lymphangioma
Pennsylvania (Drexel University College of Medicine) - Serous microcystic cystadenoma
Pennsylvania (Lehigh Valley Hospital) - Microcystic adenoma
Pennsylvania (Mt. Nittany Medical Center) - Microcystic serous cystadenoma, pancreas
Pennsylvania (Pennsylvania Hospital Residents) - Microcystic cystadenoma
Texas (Lackland AFB) - Serous microcystic cystadenoma
Texas (Methodist Hospital) - Serous microcystic adenoma
Texas (Scott & White Memorial Hospital) - Serous microcystic adenoma
Texas, Lubbock - Serous microcystic adenoma
West Virginia (Greenbrier Valley Medical Center) - Serous microcystic adenoma
West Virginia (Wetzel County Hospital) - Serous cystadenoma
Wisconsin (Meriter Pathology) - Microcystic serous adenoma
Australia (Queensland Pathology Group) - Serous cyst adenoma
Australia (Royal Hobart Hospital) - Serous microcystic adenoma
Australia (Royal Prince Alfred Hospital) - Serous microcystic adenoma

Australia (Sullivan Nicolaides Pathology) - Microcystic serous cystadenoma
Brazil (Laboratorio Anatomia Patologica E Citologia) - Microcystic serous cystadenoma, pancreas
Canada (Pasqua Hospital) - Microcystic adenoma
Canada (University Hospital of Sherbrooke) - Microcystic serous cystadenoma
Germany (Institut fur Pathologie UKE) - Serous microcystic adenoma
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Serous cystic adenoma (microcystic)
Ireland (Kerry General Hospital) - Microcystic serous cystadenoma
Japan (Kyoto University Hospital) - Serous cystic neoplasm (serous cystadenoma) of the pancreas
Oman (Khoula Hospital) - Microcystic serous cystadenoma
Puerto Rico (University of Puerto Rico) - Microcystic cystadenoma
Qatar (Hamad Medical Corporation) - Serous microcystic adenoma
Saudi Arabia (King Fahad National Guard Hospital) - Microcystadenoma (serous cystadenoma)
Saudi Arabia (MCH) - Serous cystadenoma, microcystic
Singapore (KK Women's & Children's Hospital) - Serous microcystic adenoma
The Netherlands, Amstelveen - Microcystic serous cystadenoma of the pancreas
United Kingdom (Oxford Study Group) - Pancreas – Microcystic (serous) cystadenoma

Case 9 - Diagnosis:

Serous microcystic adenoma, pancreas
T-59000, M-8140/0

Case 9 – References:

Morana G, Guarise A: Cystic Tumors Of The Pancreas. *Cancer Imaging*, 2006 Jul 13; 6:60-71.
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Omeroglu A, Paner GP, Ciesla MC, Hartman G: Serous Microcystic Adenoma Of The Pancreas. *Arch Pathol Lab Med*, 2001; 125(12):1613-4.
Logrono R, Vyas SH, Molina CP, Waxman I: Microcystic Adenoma Of The Pancreas: Cytologic Appearance On Percutaneous And Endoscopic Ultrasound-Guided Fine-Needle Aspiration: Report Of A Case. *Diagn Cytopathol*, 1999; 20(5):298-301.

Case No. 10 - Accession No. 29954 September, 2006

Baldwin Park (Kaiser Permanente) - Solid-cystic pseudopapillary tumor (3); Solid cystic (pseudopapillary) epithelial neoplasm of pancreas (1)
Fontana (Kaiser Permanente) - Solid and Pseudopapillary tumor
Glendale - Solid-pseudopapillary tumor of pancreas
Granada Hills - Sollid-pseudopapillary tumor
Hayward (Hayward-Freemont) - Islet cell tumor (NE Grade I)
La Jolla (Scripps Health) - Solid-pseudopapillary tumor
La Jolla (Scripps Clinic Hematopathology Fellowship) - Solid-pseudopapillary tumor (of pancreas)
Loma Linda (Loma Linda University Residents) - Solid-pseudopapillary tumor
Long Beach (VA Long Beach Healthcare System) - Neuroendocrine carcinoma; Islet cell tumor (1)
Monterey (Community Hospital of the Monterey Peninsula) - Solid pseudopapillary tumor
Monterey Park (Garfield Medical Center) - Solid pseudopapillary tumor
Oakland (Alameda County Medical Center) - Solid pseudopapillary neoplasm
Orange (Orange County Medical Group) - Solid-pseudopapillary tumor
Orange (University of California Irvine) - Solid pseudopapillary tumor
Orange County (Kaiser Permanente) - Solid-cystic pseudopapillary tumor
Oxnard (St. John's Regional Medical Center) - SPPT (Solid pseudopapillary tumor), pancreas (4)
Sacramento (U.C. Davis Residents) - Solid pseudopapillary tumor

San Diego (Alvarado Pathology Associates) - Pancreatic endocrine neoplasm, malignant ?
San Diego (Naval Medical Center) - Solid pseudopapillary tumor
San Diego (UCSD Medical Center) - Solid pseudopapillary tumor
San Francisco (San Francisco General Hospital) - Solid pseudopapillary tumor
Santa Barbara - Solid pseudopapillary tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Solid pseudopapillary tumor of pancreas (1); Solid pseudopapillary neoplasm (2), of pancreas (1)
Woodland Hills (Kaiser Permanente Medical Center) - Solid-pseudopapillary tumor
Woodland Hills (Suda's Soldiers) - Solid & papillary tumor (pseudopapillary)
Arkansas (UAMS) - Solid cystic-papillary epithelial neoplasm, pancreas
Florida (Ameripath) - Solid-papillary tumor
Florida (Baptist Hospital, Pensacola) - Acinar cell carcinoma (1); Papillary/solid epithelial neoplasm, PSEN (2)
Florida (Jackson Memorial Hospital) - Solid-pseudopapillary tumor of the pancreas
Florida (Tallahassee Pathology Associates) - Pancreatic endocrine tumor
Florida (Winter Haven Hospital) - Solid pseudopapillary tumor (2)
Illinois (Loyola University Medical Center) - Solid-pseudopapillary tumor
Illinois (MacNeal Memorial Hospital) - Solid pseudopapillary tumor (1); Solid and pseudopapillary tumor (1)
Indiana (Howard Regional Medical Center) - Paraganglioma
Kansas (Physicians Reference Laboratory) - Solid pseudopapillary tumor
Kentucky (University of Louisville) - Solid pseudopapillary tumor
Louisiana (Louisiana State University Health Science Center) - Solid-pseudopapillary tumor
Louisiana, Slidell - Undifferentiated adenocarcinoma (clear cell)
Maryland (Northwest Hospital Center) - Solid pseudopapillary tumor
Maryland (University of Maryland) - Solid pseudopapillary tumor
Maryland (Silver Springs) - Solid-pseudopapillary tumor
Massachusetts (Berkshire Medical Center) - Solid pseudopapillary tumor
Massachusetts (Tufts-New England Medical Center) - Solid pseudopapillary tumor, pancreas
Massachusetts, Peabody - Pseudopapillary tumor, pancreas
Michigan (Oakwood Hospital) - Solid cystic-papillary epithelial neoplasm (2)
Michigan (St. Joseph's Mercy Hospital) - Solid and pseudocystic papillary neoplasm
Minnesota (Fairview Ridges Hospital) - Solid-pseudopapillary tumor
Montana, Missoula - Solid-cystic-papillary epithelial tumor
Nebraska (Creighton University) - Solid pseudopapillary tumor
New York (Long Island Jewish Medical Center) - Solid pseudopapillary tumor
New York (Nassau University Medical Center) - Solitary cystic papillary epithelial neoplasm, pancreas
New York (State University of New York at Stony Brook) - Solid pseudopapillary epithelial neoplasm
New York (SUNY Downstate Residents) - Solid pseudopapillary tumor of pancreas
North Carolina (Mountain Area Pathology) - Solid pseudopapillary tumor (3)
North Carolina (Pathologists Medical Laboratory) - Solid pseudopapillary tumor (solid and papillary epithelial neoplasm (2))
Ohio (McCullough-Hyde Memorial Hospital) - Synovial sarcoma
Pennsylvania (Drexel University College of Medicine) - Solid pseudopapillary tumor
Pennsylvania (Lehigh Valley Hospital) - Papillary and solid epithelial neoplasm
Pennsylvania (Mt. Nittany Medical Center) - Solid-pseudopapillary tumor, pancreas
Pennsylvania (Pennsylvania Hospital Residents) - Solid-pseudopapillary neoplasm
Texas (Lackland AFB) - Solid pseudo-papillary tumor
Texas (Methodist Hospital) - Solid pseudopapillary tumor
Texas (Scott & White Memorial Hospital) - Solid-pseudopapillary neoplasm
Texas, Lubbock - Solid pseudopapillary tumor
West Virginia (Greenbrier Valley Medical Center) - Solid pseudopapillary tumor
West Virginia (Wetzel County Hospital) - Solid and cystic papillary epithelial neoplasm
Wisconsin (Meriter Pathology) - Solid pseudopapillary tumor
Australia (Queensland Pathology Group) - Solid cystic pseudopapillary tumor
Australia (Royal Hobart Hospital) - Solid pseudopapillary tumour of pancreas

Australia (Royal Prince Alfred Hospital) - Solid pseudopapillary neoplasm
Australia (Sullivan Nicolaides Pathology) - Solid-pseudopapillary tumour of pancreas
Brazil (Laboratorio Anatomia Patologica E Citologia) - Solid-pseudopapillary tumor, pancreas
Canada (Pasqua Hospital) - Solid pseudopapillary tumor
Canada (University Hospital of Sherbrooke) - Solid pseudo-papillary tumour
Germany (Institut fur Pathologie UKE) - Pseudo-papillary tumor
Hong Kong (Pamela Youde Nethersole Eastern Hospital) - Solid-pseudopapillary tumor
Ireland (Kerry General Hospital) - Clear cell tumour, ? metastatic renal cell carcinoma
Japan (Kyoto University Hospital) - Solid-pseudopapillary neoplasm (solid cystic neoplasm) of the pancreas
Oman (Khoula Hospital) - Solid cystic pseudopapillary tumour
Puerto Rico (University of Puerto Rico) - Solid cystic-pseudopapillary neoplasm
Qatar (Hamad Medical Corporation) - Solid cystic neoplasm of pancreas
Saudi Arabia (King Fahad National Guard Hospital) - Solid pseudopapillary neoplasm
Saudi Arabia (MCH) - Solid-cystic-papillary epithelial neoplasm
Singapore (KK Women's & Children's Hospital) - Solid pseudopapillary neoplasm
The Netherlands, Amstelveen - Solid pseudopapillary tumor of the pancreas
United Kingdom (Oxford Study Group) - Pancreas – Solid pseudopapillary tumour

Case 10 - Diagnosis:

Solid pseudopapillary neoplasm, pancreas
T-59000, M-80001

Case 10 - References:

Siquini W, Marmorale C, Guercioni G, et al: Solid Pseudopapillary Tumor Of the Pancreas. A Report Of 3 Cases And A Review Of The Literature. *Chir Ital*, 2006 Mar-Apr; 58(2):235-45.

Tipton SG, Smyrk TC, Sarr MG, Thompson GB: Malignant Potential Of Solid Pseudopapillary Neoplasm Of The Pancreas. *Br J Surg*, 2006 Jun; 93(6):733-7.

Peng CH, Chen DF, Zhou GW, et al: The Solid-Pseudopapillary Tumor Of Pancreas: The Clinical Characteristics And Surgical Treatment. *J Surg Res*, 2006 Apr; 131(2):276-82.

Bhanot P, Nealon WH, Walser EM: Clinical, Imaging, And Cytopathological Features Of Solid Pseudopapillary Tumor Of The Pancreas: A Clinicopathologic Study Of Three Cases And Review Of The Literature. *Diagn Cytopathol*, 2005; 33(6):421-8.

Pettinato G, Di Vizio D, Manivel JC, et al: Solid-Pseudopapillary Tumor Of The Pancreas: A Neoplasm With Distinct And Highly Characteristic Cytological Features. *Diagn Cytopathol*, 2002; 27(6):325-34.

Klimstra DS, Wenig BM, Heffess CS: Solid-Pseudopapillary Tumor Of The Pancreas: A Typically Cystic Carcinoma Of Low Malignant Potential. *Sem Diagn Pathol*, 2000; 17(1):66-80.