



CALIFORNIA
TUMOR TISSUE REGISTRY

“GI & HEPATOBILIARY TRACT”

Minutes – Subscription A

November, 2009



SUGGESTED READING (General Topics from Recent Literature):

- Renshaw MA, Renshaw AA, Gould EW. Should Pathologists Send All or Only Selected Slides for Patient-Requested Interlaboratory Second Opinion? *Am J Clin Pathol* 2009; 132:763-766
- Welch HG, Albertsen PC. Prostate Cancer Diagnosis and Treatment After the Introduction of Prostate-Specific Antigen Screening: 1986-2005. *J Natl Cancer Inst* 2009; 101:1325-1329.
- Karim RZ, Gerega SK, et al. Phyllodes Tumours of the Breast: A Clinicopathological Analysis of 65 Cases From a Single Institution. *Breast* 2009; 18:165-170.
- Ko CJ, McNiff JM, Glusac EJ. Melanocytic Nevi With Features of Spitz Nevi and Clark's/Dysplastic Nevi ("Spark's Nevi). *J Cutan Pathol* 2009;36:1063-1068.
- Zareba P, Zhang J, et al. The Impact of the 2005 International Society of Urological Pathology (ISUP) Consensus on Gleason Grading in Contemporary Practice. *Histopathology* 2009;55:384-391.

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FILE DIAGNOSES

CTTR Subscription A

November 2009

Case 1:

Hepatoblastoma, epithelial type, with mixed embryonal and fetal patterns, liver
T-56000, M-89703

Case 2:

Hepatocellular carcinoma, liver
T-56000, M-81703

Case 3:

Hepatocellular carcinoma, liver
T-56000, M-81703

Case 4:

Undifferentiated hepatic neoplasm, liver
T-Y4100, M-89703

Case 5:

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

Case 6:

Poorly differentiated adenocarcinoma with signet rings, pancreas
T-59000, M-84903

Case 7:

Adenocarcinoma, duodenum/small bowel
T-64300, M-81403

Case 8:

Mucinous adenocarcinoma of cecum
T-67100, M-81403

Case 9:

Adenocarcinoma, colon
T-67000, M-81403

Case 10:

Metastatic choriocarcinoma, small bowel
T-64000, M-91003

Fontana (Kaiser Foundation Hospital) - Hepatoblastoma
Glendale - Hepatoblastoma
Long Beach (Long Beach Veterans Hospital) - Hepatoblastoma
Oakland (Alameda County Medical Center) - Hepatoblastoma (3)
Oakland (Kaiser Oakland Medical Center) - Hepatoblastoma
Orange County (Orange County Pathology Medical Group) - Hepatoblastoma
Oxnard (St. John's Regional Medical Center) - Hepatoblastoma
San Diego (San Diego Naval Medical Center) - Hepatoblastoma
Santa Barbara (Miramonte Laboratory) - Hepatoblastoma
Woodland Hills (Kaiser Permanente) - Hepatoblastoma
Colorado (Fort Collins) - Hepatoblastoma
Florida (Naples Pathology Associates) - Hepatoblastoma
Georgia, Danwoody - Hepatocellular carcinoma
Illinois, Chicago - Hepatoblastoma (2)
Illinois, Burr Ridge - Hepatoblastoma
Illinois (Heartland Regional Medical Center) - Hepatoblastoma, epithelial type
Illinois, Oakbrook - Hepatoblastoma
Illinois (St. Mary's Hospital) - Hepatoblastoma
Indiana, Indianapolis - Hepatoblastoma
Kansas (Cytocheck Laboratory) - Hepatoblastoma
Louisiana (LSU-HSC) - Hepatoblastoma, fetal type
Maryland (University of Maryland) - Hepatoblastoma, epithelial type, mixed fetal and embryonal
Minnesota (Fairview Ridges Hospital) - Hepatoblastoma
Nebraska (Creighton University Medical Center) - Hepatoblastoma, fetal-type
New York (Albany Medical Center) - Hepatoblastoma
New York (St. Lukes Roosevelt Hospital) - Hepatoblastoma (2)
New York (SUNY Downstate Medical Center) - Hepatoblastoma
New York (Westchester Medical Center) - Hepatoblastoma (mixed mesenchymal and epithelial)
New York (Roosevelt Hospital) - Hepatoblastoma, fetal and embryonal type
North Carolina (North Carolina Baptist) - Hepatoblastoma, epithelial type
Ohio, Columbus - Hepatic vascular malformation with capillary proliferation
Ohio (Ohio State University) - Congenital hepatic fibrosis
Pennsylvania (Drexel University College of Medicine Residents) - Hepatoblastoma
Pennsylvania (Lehigh Valley Hospital) - Hepatoblastoma
Pennsylvania (Magee Women's Hospital) - Hepatoblastoma
Puerto Rico (University of Puerto Rico) - Hepatoblastoma
Texas (Carl R. Darnall Army Medical Center) - Hepatoblastoma (pure epithelial)
Texas, Crystal Beach - Hepatoblastoma
Texas, Lubbock - Hepatoblastoma carcinoma
Texas (Memorial Pathology Associates) - Hepatoblastoma
Texas, San Antonio - Hepatoblastoma
Texas (Scott & White Hospital) - Hepatoblastoma
Washington (Seattle VAMC) - Hepatoblastoma, mixed fetal/embryonal pattern
Washington (University of Washington Medical Center) - Hepatoblastoma
West Virginia (Greenbrier Valley Medical Center) - Hepatoblastoma
Australia (Royal Hobart Hospital) - Hepatoblastoma, predominantly epithelial type
Australia (Royal Prince Alfred Hospital) - Hepatoblastoma
Canada (Pasqua Hospital) - Hepatoblastoma
Canada (University of Sherbrooke) - Hepatoblastoma
Ireland (Kerry General Hospital) - Hepatoblastoma
Japan (Asashi General Hospital) - Hepatoblastoma
Japan (Kanazawa University Graduate School) - Hepatoblastoma
Japan (Shizuoka Tokushu-Kai Hospital) - Hepatoblastoma
Japan (University of Yamanashi) - Hepatoblastoma
Netherlands, Amstelveen - Hepatoblastoma

Singapore (Freelance/Locum Practice) - Hepatoblastoma, fetal type
United Kingdom (John Radcliffe Hospital) - Hepatoblastoma, epithelial type
United Kingdom (Princes Risborough Study Group) - Hepatoblastoma

Case 1 - Diagnosis:

Hepatoblastoma, epithelial type, with mixed embryonal and fetal patterns, liver
T-56000, M-89703

Case 1 - References:

Liver tumors in children.

Oncologist 2008 Jul;13(7): p812-20

Litten JB; Tomlinson GE

Mixed hepatoblastoma with teratoid features in an adult.

Pathology 2007 Aug;39(4): p453-6

Zhang SH; Xu AM; Lin WH; Zhang XY

Cytologic diagnosis of small cell anaplastic hepatoblastoma: a case report.

Acta Cytol 2006 Mar-Apr;50(2): p205-7

Philipose TR; Naik R; Rai S

The spectrum of APC mutations in children with hepatoblastoma from familial adenomatous polyposis kindreds.

J Pediatr 2005 Aug;147(2): p263-6

Hirschman BA; Pollock BH; Tomlinson GE

Cytogenetic abnormalities in hepatoblastoma: report of two new cases and review of the literature suggesting imbalance of chromosomal regions on chromosomes 1, 4, and 12.

Cancer Genet Cytogenet 2005 Jan 1;156(1): p8-13

Nagata T; Nakamura M; Shichino H; Chin M; Sugito K; Ikeda T; Koshinaga T; Fukuzawa M; Inoue M; Mugishima H

Stem-like cells in human hepatoblastoma.

J Histochem Cytochem 2004 Nov;52(11): p1495-501

Fiegel HC; Gluer S; Roth B; Rischewski J; von Schweinitz D; Ure B; Lambrecht W; Kluth D

Case No. 2, Accession No. 30920

November 2009

Fontana (Kaiser Foundation Hospital) - Adenoma

Glendale - Hepatocellular adenoma

Long Beach (Long Beach Veterans Hospital) - Hepatocellular carcinoma

Oakland (Alameda County Medical Center) - Hepatocellular adenoma (3)

Oakland (Kaiser Oakland Medical Center) - Adenoma

Orange County (Orange County Pathology Medical Group) - Hepatic adenoma

Oxnard (St. John's Regional Medical Center) - Adenoma vs. hepatocellular carcinoma

San Diego (San Diego Naval Medical Center) - Hepatic adenoma

Santa Barbara (Miramonte Laboratory) - Hepatic adenoma

Woodland Hills (Kaiser Permanente) - Hepatic adenoma

Colorado (Fort Collins) - Hepatic adenoma

Florida (Naples Pathology Associates) - Hepatocellular carcinoma

Georgia, Danwoody - Hepatic adenoma

Illinois, Chicago - Hepatic adenoma (2)

Illinois, Burr Ridge - Liver cell adenoma

Illinois (Heartland Regional Medical Center) - Hepatocellular carcinoma, well-differentiated

Illinois, Oakbrook - Hepatocellular adenoma

Illinois (St. Mary's Hospital) - Hepatocellular carcinoma

Indiana, Indianapolis - Adenoma, liver
Kansas (Cytocheck Laboratory) - Hemangioma
Louisiana (LSU-HSC) - Liver adenoma
Maryland (University of Maryland) - Hepatic adenoma
Minnesota (Fairview Ridges Hospital) - Hepatocellular adenoma
Nebraska (Creighton University Medical Center) - Hepatic adenoma, cannot rule out HCC
New York (Albany Medical Center) - Hepatocellular carcinoma
New York (St. Lukes Roosevelt Hospital) - Hepatic adenoma (3)
New York (Westchester Medical Center) - Well-differentiated hepatocellular carcinoma
New York (SUNY Downstate Medical Center) - Hepatocellular adenoma
North Carolina (North Carolina Baptist Hospital) - Hepatic adenoma
Ohio, Columbus - Well-differentiated hepatocellular carcinoma
Ohio (Ohio State University) - Hepatocellular carcinoma
Pennsylvania (Drexel University College of Medicine Residents) - Adenoma
Pennsylvania (Lehigh Valley Hospital) - Hepatocellular adenoma
Pennsylvania (Magee Women's Hospital) - Hepatic adenoma
Puerto Rico (University of Puerto Rico) - Hepatic adenoma
Texas (Carl R. Darnall Army Medical Center) - Hepatic adenoma
Texas, Crystal Beach - Hepatic adenoma
Texas, Lubbock - Adenoma
Texas (Memorial Pathology Associates) - Hepatocellular adenoma
Texas, San Antonio - Hepatic adenoma
Texas (Scott & White Hospital) - Hepatic adenoma
Washington (Seattle VAMC) - Hepatic adenoma
Washington (University of Washington Medical Center) - Hepatocellular carcinoma
West Virginia (Greenbrier Valley Medical Center) - Hepatocellular carcinoma, pleioid type
Australia (Royal Hobart Hospital) - Well-differentiated hepatocellular carcinoma
Australia (Royal Prince Alfred Hospital) - Well-differentiated hepatocellular carcinoma
Canada (Pasqua Hospital) - Hepatic adenoma
Canada (University of Sherbrooke) - Hepatocarcinoma
Ireland (Kerry General Hospital) - Liver cell adenoma
Japan (Asashi General Hospital) - Hepatocellular adenoma
Japan (Kanazawa University Graduate School) - Hepatocellular adenoma
Japan (Shizuoka Tokushu-Kai Hospital) - Hepatocellular adenoma
Japan (University of Yamanashi) - Hepatocellular adenoma
Netherlands, Amstelveen - Hepatic adenoma
Singapore (Freelance/Locum Practice) - Hepatocytic tumor, favor liver cell adenoma (2)
United Kingdom (John Radcliffe Hospital) - Hepatic adenoma
United Kingdom (Princes Risborough Study Group) - Hepatocellular adenoma

Case 2 - Diagnosis:

Hepatocellular carcinoma, liver
 T-56000, M-81703

Case 2 - References:

Sorafenib in hepatocellular carcinoma: separating the hype from the hope.
J Clin Oncol 2008 Dec 20;26(36): p5845-8
 Kelley RK; Venook AP

Kentucky hepatoma: epidemiologic variant or same problem in a different region?
Arch Surg 2007 May;142(5): p431-6; discussion 436-7
 Martin RC; Loehle J; Scoggins CR; McMasters KM

Hepatoma-derived growth factor is a novel prognostic factor for patients with pancreatic cancer.
Clin Cancer Res 2006 Oct 15;12(20 Pt 1): p6043-8

Uyama H; Tomita Y; Nakamura H; Nakamori S; Zhang B; Hoshida Y; Enomoto H; Okuda Y; Sakon M; Aozasa K; Kawase I; Hayashi N; Monden M

Colonic metastasis from hepatocellular carcinoma: manifested by gastrointestinal bleeding.

Dig Dis Sci 2008 Dec;53(12): p3265-6

Nozaki Y; Kobayashi N; Shimamura T; Akiyama T; Inamori M; Iida H; Endo H; Fujita K; Yoneda M; Takahashi H; Abe Y; Kirikoshi H; Kubota K; Saito S; Sasaki T; Nakajima A

Surgical management of early-stage hepatocellular carcinoma: resection or transplantation?

J Gastrointest Surg 2008 Oct;12(10): p1699-708

Bellavance EC; Lumpkins KM; Mentha G; Marques HP; Capussotti L; Pulitano C; Majno P; Mira P; Rubbia-Brandt L; Ferrero A; Aldrighetti L; Cunningham S; Russolillo N; Philosophe B; Barroso E; Pawlik TM

Radiological and clinical features of sarcomatoid hepatocellular carcinoma in 11 cases.

J Comput Assist Tomogr 2008 Sep-Oct;32(5): p745-9

Koo HR; Park MS; Kim MJ; Lim JS; Yu JS; Jin H; Kim KW

Case No. 3, Accession No. 30967

November 2009

Fontana (Kaiser Foundation Hospital) - Hepatocellular carcinoma

Glendale - MALT lymphoma

Long Beach (Long Beach Veterans Hospital) - Hepatocellular carcinoma

Oakland (Alameda County Medical Center) - Hepatocellular carcinoma with granulomas (1); Hepatocellular adenoma with peliosis hepatitis areas (2)

Oakland (Kaiser Oakland Medical Center) - Hepatocellular carcinoma with granulomatous reaction

Orange County (Orange County Pathology Medical Group) - Hepatocellular carcinoma

Oxnard (St. John's Regional Medical Center) - Granulomatous hepatitis

San Diego (San Diego Naval Medical Center) - Hepatocellular carcinoma with giant cells

Santa Barbara (Miramonte Laboratory) - Sarcoidosis

Woodland Hills (Kaiser Permanente) - Hepatocellular carcinoma

Colorado (Fort Collins) - Hepatocellular carcinoma with giant cells

Florida (Naples Pathology Associates) - Hepatocellular carcinoma

Georgia, Danwoody - Hepatocellular carcinoma

Illinois, Chicago - Metastatic carcinoma (2)

Illinois, Burr Ridge - Hepatocellular carcinoma

Illinois (Heartland Regional Medical Center) - Hepatocellular carcinoma, small focus (with background cirrhosis)

Illinois, Oakbrook - Hepatocellular carcinoma

Illinois (St. Mary's Hospital) - Primary biliary cirrhosis

Indiana, Indianapolis - Hepatocellular carcinoma and granulomatous inflammation (sarcoid)

Kansas (Cytocheck Laboratory) - Bile duct adenoma

Louisiana (LSU-HSC) - Hepatocellular carcinoma

Maryland (University of Maryland) - Hepatocellular carcinoma, grade 1

Minnesota (Fairview Ridges Hospital) - Hepatocellular carcinoma with giant cell transformation

Nebraska (Creighton University Medical Center) - Hepatocellular carcinoma, giant cell type (2)

New York (Albany Medical Center) - Hepatocellular carcinoma with multinucleated giant cells

New York (St. Lukes Roosevelt Hospital) - Giant cell chronic hepatitis (3)

New York (SUNY Downstate Medical Center) - Well-differentiated hepatocellular carcinoma

New York (Westchester Medical Center) - Hepatocellular carcinoma arising in cirrhosis, non-necrotic granulomas

North Carolina (North Carolina Baptist) - Hepatocellular carcinoma arising in a background of possible PBC

Ohio, Columbus - Sarcoidosis

Ohio (Ohio State University) - Sarcoidosis

Pennsylvania (Drexel University College of Medicine Residents) - Dysplastic nodule, high grade

Pennsylvania (Lehigh Valley Hospital) - Hepatocellular carcinoma

Pennsylvania (Magee Women's Hospital) - Sarcoid

Puerto Rico (University of Puerto Rico) - Hepatocellular carcinoma, well-differentiated

Texas (Carl R. Darnall Army Medical Center) - Granulomatous hepatitis (favor sarcoidosis)
Texas, Crystal Beach - Hepatocellular carcinoma
Texas, Lubbock - Giant cell hepatitis
Texas (Memorial Pathology Associates) - Well-differentiated hepatocellular carcinoma
Texas (San Antonio) - Hepatocellular carcinoma with osteoclast-like giant cells
Texas (Scott & White Hospital) - Hepatocellular carcinoma
Washington (Seattle VAMC) - Hepatocellular carcinoma, giant carcinoma and histiocytic cells
Washington (University of Washington Medical Center) - Hepatocellular carcinoma
West Virginia (Greenbrier Valley Medical Center) - Hepatocellular carcinoma with giant cell transformation
Australia (Royal Hobart Hospital) - Well-differentiated hepatocellular carcinoma with granulomas (sarcoid)
Australia (Royal Prince Alfred Hospital) - Hepatocellular carcinoma with granulomatous inflammation
Canada (Pasqua Hospital) - Hepatocellular carcinoma
Canada (University of Sherbrooke) - Hepatocarcinoma
Ireland (Kerry General Hospital) - Focal nodular hyperplasia
Japan (Asashi General Hospital) - Hepatocellular carcinoma
Japan (Kanazawa University Graduate School) - Hepatocellular carcinoma
Japan (Shizuoka Tokushu-Kai Hospital) - Hepatocellular carcinoma
Japan (University of Yamanashi) - Combined hepatocellular carcinoma and cholangiocarcinoma
Netherlands, Amstelveen - Granulomatous inflammation
Singapore (Freelance/Locum Practice) - Granulomatous inflammation, liver
United Kingdom (John Radcliffe Hospital) - Oncocytic hepatocellular carcinoma and sarcoidosis
United Kingdom (Princes Risborough Study Group) - Focal nodular hyperplasia

Case 3 - Diagnosis:

Hepatocellular carcinoma, liver
 T-56000, M-81703

Case 3 - References:

See references from case 2

Case No. 4, Accession No. 30940

November 2009

Fontana (Kaiser Foundation Hospital) - Hemangiopericytoma
Glendale - Hemangiopericytoma vs. synovial sarcoma
Long Beach (Long Beach Veterans Hospital) - Sarcoma, NOS
Oakland (Alameda County Medical Center) - Sarcoma (1); Angiosarcoma (1); Poorly differentiated malignancy, favor sarcoma (1)
Oakland (Kaiser Oakland Medical Center) - Rhabdomyosarcoma (5); Sarcoma, NOS (2)
Orange County (Orange County Pathology Medical Group) - Poorly differentiated malignant neoplasm, rule out neuroendocrine
Oxnard (St. John's Regional Medical Center) - Sarcoma
San Diego (San Diego Naval Medical Center) - Poorly differentiated malignant neoplasm
Santa Barbara (Miramonte Laboratory) - Lymphoma
Woodland Hills (Kaiser Permanente) - Undifferentiated malignant neoplasm
Colorado (Fort Collins) - Undifferentiated sarcoma
Florida (Naples Pathology Associates) - Undifferentiated sarcoma
Georgia, Danwoody - Solitary fibrous tumor/hemangiopericytoma
Illinois, Chicago - Undifferentiated sarcoma (2)
Illinois, Burr Ridge - Embryonal sarcoma, liver
Illinois (Heartland Regional Medical Center) - Small cell malignant neoplasm of mesenchymal origin, NOS
Illinois, Oakbrook - Rhabdomyosarcoma
Illinois (St. Mary's Hospital) - Neuroendocrine carcinoma
Indiana, Indianapolis - Malignant hemangiopericytoma
Kansas (Cytocheck Laboratory) - Lymphoma

Louisiana (LSU-HSC) - Undifferentiated sarcoma
Maryland (University of Maryland) - Embryonal sarcoma
Minnesota (Fairview Ridges Hospital) - Sarcoma consistent with alveolar rhabdomyosarcoma
Nebraska (Creighton University Medical Center) - Small cell undifferentiated, favor neuroendocrine carcinoma (2)
New York (Albany Medical Center) - Undifferentiated sarcoma
New York (St. Lukes Roosevelt Hospital) - Embryonal sarcoma (3)
New York (SUNY Downstate Medical Center) - Undifferentiated sarcoma
New York (Westchester Medical Center) - Malignant carcinoid
North Carolina (North Carolina Baptist) - Metastatic endometrial stromal tumor
Ohio, Columbus - Undifferentiated sarcoma
Ohio (Ohio State University) - Undifferentiated sarcoma
Pennsylvania (Drexel University College of Medicine Residents) - HCC, small cell
Pennsylvania (Lehigh Valley Hospital) - Hemangiopericytoma
Pennsylvania (Magee Women's Hospital) - Granulocytic sarcoma
Puerto Rico (University of Puerto Rico) - Sarcoma, unclassifiable
Texas (Carl R. Darnall Army Medical Center) - Undifferentiated malignant neoplasm with neuroendocrine features
Texas, Crystal Beach - Hepatocellular carcinoma with small cell features
Texas, Lubbock - Undifferentiated small cell carcinoma
Texas (Memorial Pathology Associates) - Synovial sarcoma
Texas (San Antonio) - Hepatoblastoma
Texas (Scott & White Hospital) - Small cell hepatocellular carcinoma
Washington (Seattle VAMC) - Malignant lymphoma with few plasmacytoid cells
Washington (University of Washington Medical Center) - Neuroendocrine neoplasm
West Virginia (Greenbrier Valley Medical Center) - Primary hemangiopericytoma
Australia (Royal Hobart Hospital) - High grade sarcoma, NOS
Australia (Royal Prince Alfred Hospital) - Sarcoma, endometrial stroma sarcoma
Canada (Pasqua Hospital) - Embryonal sarcoma
Canada (University of Sherbrooke) - Undifferentiated round small cell tumor
Ireland (Kerry General Hospital) - Undifferentiated (embryonal) sarcoma
Japan (Asashi General Hospital) - Synovial sarcoma
Japan (Kanazawa University Graduate School) - Hemangiopericytoma
Japan (Shizuoka Tokushu-Kai Hospital) - Malignant mesenchymoma
Japan (University of Yamanashi) - Undifferentiated sarcoma
Netherlands, Amstelveen - B-cell non-Hodgkins lymphoma
Singapore (Freelance/Locum Practice) - Sarcoma, cannot exclude metastasis
United Kingdom (John Radcliffe Hospital) - Undifferentiated embryonal sarcoma
United Kingdom (Princes Risborough Study Group) - Hemangiopericytoma

Case 4 - Diagnosis:

Undifferentiated hepatic neoplasm, liver
 T-Y4100, M-89703

Consultation: Gerald J Berry, M.D., Stanford Pathology Consultants, "Undifferentiated Hepatic Neoplasm." and Peter Morris, M.D., Santa Barbara Cottage Hospital, "Intrahepatic malignant neoplasm, poorly differentiated, favor primary over metastatic."

Case 4 - References:

Mutation of TP53 gene is involved in carcinogenesis of hepatic undifferentiated (embryonal) sarcoma of the adult, in contrast with Wnt or telomerase pathways: an immunohistochemical study of three cases with genomic relation in two cases.

J Hepatol 2005 Mar;42(3): p424-9

Lepreux S; Rebouissou S; Le Bail B; Saric J; Balabaud C; Bloch B; Martin-Negrier ML; Zucman-Rossi J; Bioulac-Sage P

Embryonal sarcoma of liver: an undifferentiated rare primary solid and mucoid to cystic tumour.
Indian J Pathol Microbiol 2007 Oct;50(4): p811-3

Mohapatra N; Krisnanand BR

Undifferentiated (embryonal) sarcoma of liver in adult: a case report.

World J Gastroenterol 2005 Feb 14;11(6): p926-9

Dai CL; Xu F; Shu H; Xu YQ; Huang Y

Undifferentiated embryonal sarcoma of the liver in adults.

Cancer 2008 May 15;112(10): p2274-82

Lenze F; Birkfellner T; Lenz P; Hussein K; Langer F; Kreipe H; Domschke W

Small-cell tumors of the liver: a cytological study of 91 cases and a review of the literature.

Diagn Cytopathol 2005 Jul;33(1): p8-14

Khalbuss WE; Grigorian S; Bui MM; Elhosseiny A

Case No. 5, Accession No. 31047

November 2009

Fontana (Kaiser Foundation Hospital) - GIST

Glendale - Leiomyoma

Long Beach (Long Beach Veterans Hospital) - Gastrointestinal stromal tumor (GIST)

Oakland (Alameda County Medical Center) - GIST (3)

Oakland (Kaiser Oakland Medical Center) - GIST (6); Leiomyoma (1)

Orange County (Orange County Pathology Medical Group) - Leiomyoma

Oxnard (St. John's Regional Medical Center) - Leiomyoma vs. GIST

San Diego (San Diego Naval Medical Center) - GIST

Santa Barbara (Miramonte Laboratory) - GIST

Woodland Hills (Kaiser Permanente) - GIST

Colorado (Fort Collins) - Fibromatosis

Florida (Naples Pathology Associates) - Gastrointestinal stromal tumor

Georgia, Danwoody - Fibromatosis

Illinois, Chicago - Leiomyoma (2)

Illinois, Burr Ridge - Leiomyomata

Illinois (Heartland Regional Medical Center) - Leiomyoma

Illinois, Oakbrook - GIST

Illinois (St. Mary's Hospital) - Gastrointestinal stromal tumor

Indiana, Indianapolis - Leiomyoma

Kansas (Cytocheck Laboratory) - GIST

Louisiana (LSU-HSC) - GIST with smooth muscle differentiation, benign

Maryland (University of Maryland) - Leiomyomata

Minnesota (Fairview Ridges Hospital) - Leiomyomas

Nebraska (Creighton University Medical Center) - GIST (2)

New York (Albany Medical Center) - GIST

New York (St. Lukes Roosevelt Hospital) - Leiomyoma vs. GIST (2); Leiomyoma (1)

New York (SUNY Downstate Medical Center) - Leiomyoma

New York (Westchester Medical Center) - GIST (gastrointestinal stromal tumor)

North Carolina (North Carolina Baptist) - Submucosal leiomyoma

Ohio, Columbus - Submucosal leiomyoma

Ohio (Ohio State University) - Fibromatosis

Pennsylvania (Drexel University College of Medicine Residents) - Juvenile fibromatosis

Pennsylvania (Lehigh Valley Hospital) - Leiomyoma

Pennsylvania (Magee Women's Hospital) - Leiomyoma

Puerto Rico (University of Puerto Rico) - Gastrointestinal stromal tumor/fibromatosis

Texas (Carl R. Darnall Army Medical Center) - Leiomyoma

Texas, Crystal Beach - Gastrointestinal stromal tumor (GIST)

Texas, Lubbock - Leiomyoma

Texas (Memorial Pathology Associates) - Leiomyoma

Texas (San Antonio) - Leiomyoma
Texas (Scott & White Hospital) - Leiomyoma
Washington (Seattle VAMC) - Leiomyomata
Washington (University of Washington Medical Center) - Leiomyoma
West Virginia (Greenbrier Valley Medical Center) - Leiomyoma
Australia (Royal Hobart Hospital) - Multiple GIST's in young adult (syndromic GIST)
Australia (Royal Prince Alfred Hospital) - Smooth muscle tumor favor leiomyoma
Canada (Pasqua Hospital) - Leiomyoma
Canada (University of Sherbrooke) - Leiomyoma
Ireland (Kerry General Hospital) - Submucosal leiomyomas
Japan (Asahi General Hospital) - Gastrointestinal stromal tumor
Japan (Kanazawa University Graduate School) - Leiomyoma
Japan (Shizuoka Tokushu-Kai Hospital) - Leiomyoma
Japan (University of Yamanashi) - Leiomyoma
Netherlands, Amstelveen - GIST
Singapore (Freelance/Locum Practice) - Leiomyoma
United Kingdom (John Radcliffe Hospital) - GIST
United Kingdom (Princes Risborough Study Group) - GIST

Case 5 - Diagnosis:

Gastrointestinal stromal tumor (GIST), stomach.

T-63000, M-88903

Director's Note: Smooth muscle tumors still (and do) occur in the GI tract. They are sometimes identical (by H&E) to GIST, but show positivity for muscle markers and, by definition, lack CD117. A CD 117 positive tumor in the GI tract is a GIST until proven otherwise. Based upon the size of this tumor (~ 3 cm) it will most likely behave in a benign manner, though cutoffs due to size is, to us, a mindless exercise. (drc)

Case 5 - References:

Diagnosis and treatment of gastrointestinal stromal tumors of the stomach: report of 28 cases.

Ann Clin Lab Sci 2007 Winter;37(1): p15-21

Wu Y; Zhu X; Ding Y

High incidence of microscopic gastrointestinal stromal tumors in the stomach.

Hum Pathol 2006 Dec;37(12): p1527-35

Kawanowa K; Sakuma Y; Sakurai S; Hishima T; Iwasaki Y; Saito K; Hosoya Y; Nakajima T; Funata N

Gastric GI stromal tumors (GISTs): the role of surgery in the era of targeted therapy.

J Surg Oncol 2005 Jun 1;90(3): p195-207; discussion 207

Heinrich MC; Corless CL

Multicentric sporadic gastrointestinal stromal tumors (GISTs) of the stomach with distinct clonal origin: differential diagnosis to familial and syndromal GIST variants and peritoneal metastasis.

Am J Surg Pathol 2007 Jun;31(6): p933-7

Haller F; Schulten HJ; Armbrust T; Langer C; Gunawan B; Fuzesi L

Gastrointestinal stromal tumors: pathology and prognosis at different sites.

SO - *Semin Diagn Pathol* 2006 May;23(2): p70-83

AU - Miettinen M; Lasota J

Case No. 6, Accession No. 31113

November 2009

Fontana (Kaiser Foundation Hospital) - Signet ring cell carcinoma

Glendale - Poorly differentiated adenocarcinoma

Long Beach (Long Beach Veterans Hospital) - Mucinous adenocarcinoma (signet ring cell type)
Oakland (Alameda County Medical Center) - Sarcomatoid carcinoma (1); Adenocarcinoma (2)
Oakland (Kaiser Oakland Medical Center) - Signet ring cell adenocarcinoma
Orange County (Orange County Pathology Medical Group) - Poorly differentiated (signet ring) adenocarcinoma
Oxnard (St. John's Regional Medical Center) - Ductal carcinoma
San Diego (San Diego Naval Medical Center) - Infiltrating ductal adenocarcinoma, poorly differentiated with signet ring cells and rhabdoid cells
Santa Barbara (Miramonte Laboratory) - Signet-ring cell carcinoma
Woodland Hills (Kaiser Permanente) - Poorly differentiated adenocarcinoma
Colorado (Fort Collins) - Poorly differentiated (signet ring) carcinoma
Florida (Naples Pathology Associates) - Mucinous pancreatic carcinoma
Georgia, Danwoody - Mucinous signet ring cell adenocarcinoma
Illinois, Chicago - Infiltrating ductal adenocarcinoma (2)
Illinois, Burr Ridge - Signet ring carcinoma, pancreas
Illinois (Heartland Regional Medical Center) - Adenocarcinoma, poorly differentiated, favor acinar cell type
Illinois, Oakbrook - Mucinous adenocarcinoma, goblet cell type
Illinois (St. Mary's Hospital) - Colloid carcinoma
Indiana, Indianapolis - Colloid (mucinous non-cystic) carcinoma
Kansas (Cytocheck Laboratory) - Adenocarcinoma
Louisiana (LSU-HSC) - Signet ring adenocarcinoma
Maryland (University of Maryland) - Adenocarcinoma, with signet ring cell feature
Minnesota (Fairview Ridges Hospital) - Adenocarcinoma with colloid features
Nebraska (Creighton University Medical Center) - Signet ring cell carcinoma, pancreatic (2)
New York (Albany Medical Center) - Acinic cell carcinoma
New York (St. Lukes Roosevelt Hospital) - Mixed acinic cell carcinoma and signet ring adenocarcinoma (1); Acinic cell carcinoma (2)
New York (SUNY Downstate Medical Center) - Poorly-differentiated adenocarcinoma, signet-ring type
New York (Westchester Medical Center) - Poorly differentiated mucinous adenocarcinoma of pancreas, including muscularis
North Carolina (North Carolina Baptist) - Signet ring cell carcinoma
Ohio, Columbus - Adenocarcinoma
Ohio (Ohio State University) - Adenocarcinoma
Pennsylvania (Drexel University College of Medicine Residents) - Signet ring cell carcinoma
Pennsylvania (Lehigh Valley Hospital) - Signet ring cell carcinoma
Pennsylvania (Magee Women's Hospital) - Mucinous/signet cell adenocarcinoma
Puerto Rico (University of Puerto Rico) - Invasive mucinous adenocarcinoma/signet-ring cell carcinoma
Texas (Carl R. Darnall Army Medical Center) - Poorly differentiated ductal adenocarcinoma
Texas, Crystal Beach - Mucinous adenocarcinoma, signet ring cell
Texas, Lubbock - Acinic carcinoma
Texas (Memorial Pathology Associates) - Signet ring cell adenocarcinoma
Texas (San Antonio) - Pancreatic adenocarcinoma, poorly differentiated
Texas (Scott & White Hospital) - Acinic cell carcinoma
Washington (Seattle VAMC) - Carcinoma with mucinous secreting, signet ring forming pattern
Washington (University of Washington Medical Center) - Adenocarcinoma
West Virginia (Greenbrier Valley Medical Center) - Pancreatobiliary adenocarcinoma
Australia (Royal Hobart Hospital) - Mucinous (noncystic) carcinoma pancreas
Australia (Royal Prince Alfred Hospital) - Adenocarcinoma signet-ring cell type
Canada (Pasqua Hospital) - Signet ring carcinoma
Canada (University of Sherbrooke) - Adenocarcinoma undifferentiated (signet ring)
Ireland (Kerry General Hospital) - Acinar adenocarcinoma
Japan (Asashi General Hospital) - Signet ring cell carcinoma
Japan (Kanazawa University Graduate School) - Signet ring cell carcinoma
Japan (Shizuoka Tokushu-Kai Hospital) - Mucinous adenocarcinoma
Japan (University of Yamanashi) - Adenocarcinoma
Netherlands, Amstelveen - Colloid adenocarcinoma
Singapore (Freelance/Locum Practice) - Adenocarcinoma, with signet ring cell
United Kingdom (John Radcliffe Hospital) - Poorly differentiated signet ring cell adenocarcinoma

United Kingdom (Princes Risborough Study Group) - Poorly differentiated adenocarcinoma

Case 6- Diagnosis:

Poorly differentiated adenocarcinoma with signet rings, pancreas
T-59000, M-84903

Case 6 - References:

Radical resection in signet ring carcinoma of the ampulla of Vater: report of an 11-year survivor.

Am Surg 2006 Feb;72(2): p193-5

Bloomston M; Walker M; Frankel WL

From Krukenberg to today: the ever present problems posed by metastatic tumors in the ovary: part I. Historical perspective, general principles, mucinous tumors including the Krukenberg tumor.

Adv Anat Pathol 2006 Sep;13(5): p205-27

Young RH

Treatment outcomes in patients with signet ring cell carcinoma of the colorectum.

Am J Surg 2007 Sep;194(3): p294-8

Lee WS; Chun HK; Lee WY; Yun SH; Cho YB; Yun HR; Park SH; Song SY

Tonsillar metastasis revealing signet-ring cell carcinoma of the rectum.

Gastroenterol Clin Biol 2005 Jan;29(1): p70-2

Vauleon E; De Lajarte-Thirouard AS; Boucher E; Le Prise E; Guihaire P; Raoul JL

Case No. 7, Accession No. 31040

November 2009

Fontana (Kaiser Foundation Hospital) - Acinar cell carcinoma

Glendale - Adenocarcinoma

Long Beach (Long Beach Veterans Hospital) - Adenocarcinoma

Oakland (Alameda County Medical Center) - Adenocarcinoma, neuroendocrine tumor, mixed (1); Neuroendocrine carcinoma vs. adenocarcinoma (1); Mixed adenocarcinoma, neuroendocrine tumor (1)

Oakland (Kaiser Oakland Medical Center) - Adenocarcinoma

Orange County (Orange County Pathology Medical Group) - Adenocarcinoma

Oxnard (St. John's Regional Medical Center) - Adenocarcinoma

San Diego (San Diego Naval Medical Center) - Adenocarcinoma, favor small bowel primary

Santa Barbara (Miramonte Laboratory) - Adenocarcinoma

Woodland Hills (Kaiser Permanente) - Poorly differentiated adenocarcinoma

Colorado (Fort Collins) - Hepatocellular carcinoma

Florida (Naples Pathology Associates) - Gastrointestinal stromal tumor

Georgia, Danwoody - Poorly differentiated adenocarcinoma, rule out ampicrine carcinoma

Illinois, Chicago - Acinar cell carcinoma (2)

Illinois, Burr Ridge - Hepatoid carcinoma, duodenum

Illinois (Heartland Regional Medical Center) - Adenocarcinoma, moderately differentiated

Illinois, Oakbrook - Invasive adenocarcinoma

Illinois (St. Mary's Hospital) - Hepatocellular carcinoma, pseudoglandular type

Indiana, Indianapolis - Well-differentiated adenocarcinoma (parietal carcinoma)

Kansas (Cytocheck Laboratory) - Adenocarcinoma

Louisiana (LSU-HSC) - Adenocarcinoma

Maryland (University of Maryland) - Adenocarcinoma with mucinous features

Minnesota (Fairview Ridges Hospital) - Adenocarcinoma with medullary features, MSI-H

Nebraska (Creighton University Medical Center) - Poorly differentiated adenocarcinoma with signet ring, favor origin from CBD or pancreas, or duodenum 1 degree (2)

New York (Albany Medical Center) - Small bowel adenocarcinoma

New York (St. Lukes Roosevelt Hospital) - Acinic cell carcinoma (1); Adenocarcinoma, pancreatobiliary type (2)

New York (SUNY Downstate Medical Center) - Poorly differentiated adenocarcinoma
New York (Westchester Medical Center) - Acinic cell carcinoma vs. poorly differentiated adenocarcinoma
North Carolina (North Carolina Baptist) - Hepatoid carcinoma
Ohio, Columbus - Adenocarcinoma
Ohio (Ohio State University) - Adenocarcinoma
Pennsylvania (Drexel University College of Medicine Residents) - Hepatocellular carcinoma
Pennsylvania (Lehigh Valley Hospital) - Mucinous adenocarcinoma
Pennsylvania (Magee Women's Hospital) - Pancreatic acinar cell carcinoma
Puerto Rico (University of Puerto Rico) - Adenocarcinoma/rule out endocrine neoplasm
Texas (Carl R. Darnall Army Medical Center) - Duodenal adenocarcinoma
Texas, Crystal Beach - Adenocarcinoma with hepatoid features
Texas, Lubbock - Ductal adenocarcinoma
Texas (Memorial Pathology Associates) - Moderately poorly differentiated adenocarcinoma
Texas (San Antonio) - Mixed hepatocellular/cholangiocarcinoma, metastatic
Texas (Scott & White Hospital) - Adenocarcinoma
Washington (Seattle VAMC) - Carcinoma with high grade growth pattern, endocrine epithelial type
Washington (University of Washington Medical Center) - Adenocarcinoma
West Virginia (Greenbrier Valley Medical Center) - Adenocarcinoma, periamplary
Australia (Royal Hobart Hospital) - Poorly differentiated carcinoma (neuroendocrine differentiation to be excluded)
Australia (Royal Prince Alfred Hospital) - Adenocarcinoma
Canada (Pasqua Hospital) - Adenocarcinoma
Canada (University of Sherbrooke) - Adenocarcinoma (mucosecretory)
Ireland (Kerry General Hospital) - Hepatocellular carcinoma
Japan (Asashi General Hospital) - Mixed acinar-endocrine carcinoma
Japan (Kanazawa University Graduate School) - Combined endocrine and adenocarcinoma
Japan (Shizuoka Tokushu-Kai Hospital) - Carcinoid tumor
Japan (University of Yamanashi) - Adenocarcinoma
Netherlands, Amstelveen - Neuroendocrine, adenocarcinoma
Singapore (Freelance/Locum Practice) - Adenocarcinoma
United Kingdom (John Radcliffe Hospital) - Hepatocellular carcinoma
United Kingdom (Princes Risborough Study Group) - Adenocarcinoma with focal mucinous differentiation

Case 7 - Diagnosis:

Adenocarcinoma, duodenum/small bowel
 T-64300, M-81403

Case 7 - References:

Analysis of small bowel tumors.

Saudi Med J 2004 Dec;25(12): p1900-5

Abdul-Rahman MM; Al-Waali MM; Al-Naaimi AS

Adenocarcinoma of the small bowel: presentation, prognostic factors, and outcome of 217 patients.

Cancer 2004 Aug 1;101(3): p518-26

Dabaja BS; Suki D; Pro B; Bonnen M; Ajani J

Surgical management and outcome in primary adenocarcinoma of the small bowel.

Ann Surg Oncol 2007 Aug;14(8): p2263-9

Agrawal S; McCarron EC; Gibbs JF; Nava HR; Wilding GE; Rajput A

Adenocarcinoma of the small bowel: a 60-yr perspective derived from M. D. Anderson Cancer Center Tumor Registry.

Am J Gastroenterol 2006 Jul;101(7): p1647-54

Verma D; Stroehlein JR

Small-bowel tumors: epidemiologic and clinical characteristics of 1260 cases from the connecticut tumor registry.

Arch Surg 2007 Mar;142(3): p229-35

Hatzaras I; Palesty JA; Abir F; Sullivan P; Kozol RA; Dudrick SJ; Longo WE

Fontana (Kaiser Foundation Hospital) - Signet ring cell carcinoma

Glendale - Mucinous carcinoma

Long Beach (Long Beach Veterans Hospital) - Well-differentiated mucinous adenocarcinoma

Oakland (Alameda County Medical Center) - Mucinous carcinoma (1); Poorly differentiated mucinous adenocarcinoma with signet ring cells (2)

Oakland (Kaiser Oakland Medical Center) - Adenocarcinoma, signet ring cell type (4); Adenocarcinoma ex-goblet cell carcinoid (3)

Orange County (Orange County Pathology Medical Group) - Mucinous adenocarcinoma

Oxnard (St. John's Regional Medical Center) - Mucinous adenocarcinoma, mucinous cyst adenocarcinoma arising in appendix

San Diego (San Diego Naval Medical Center) - Signet ring adenocarcinoma

Santa Barbara (Miramonte Laboratory) - Mucinous adenocarcinoma

Woodland Hills (Kaiser Permanente) - Mucinous carcinoma

Colorado (Fort Collins) - Colloid carcinoma

Florida (Naples Pathology Associates) - Mucinous colonic adenocarcinoma

Georgia, Danwoody - Goblet cell carcinoid

Illinois, Chicago - Mucinous carcinoma (2)

Illinois, Burr Ridge - Mucinous carcinoma, appendix

Illinois (Heartland Regional Medical Center) - Adenocarcinoma, mucinous, signet ring cell type

Illinois, Oakbrook - Signet cell carcinoid

Illinois (St. Mary's Hospital) - Mucinous carcinoma

Indiana, Indianapolis - Adenocarcinoma with signet ring cell features

Kansas (Cytocheck Laboratory) - Mucinous carcinoma with signet cells

Louisiana (LSU-HSC) - Mucinous adenocarcinoma, low grade

Maryland (University of Maryland) - Adenocarcinoma consistent with mucinous features

Minnesota (Fairview Ridges Hospital) - Mucinous adenocarcinoma, MSI-H

Nebraska (Creighton University Medical Center) - Mucinous adenocarcinoma, favor appendiceal origin (2)

New York (Albany Medical Center) - Mucinous adenocarcinoma

New York (St. Lukes Roosevelt Hospital) - Adenocarcinoid (1); Goblet cell adenocarcinoid (2)

New York (SUNY Downstate Medical Center) - Adenocarcinoma ex-goblet cell carcinoid tumor

New York (Westchester Medical Center) - Mucinous adenocarcinoma

North Carolina (North Carolina Baptist) - Mucinous adenocarcinoma

Ohio, Columbus - Mucinous adenocarcinoma

Ohio (Ohio State University) - Signet ring cell carcinoma

Pennsylvania (Drexel University College of Medicine Residents) - Mucinous adenocarcinoma

Pennsylvania (Lehigh Valley Hospital) - Mucinous adenocarcinoma

Pennsylvania (Magee Women's Hospital) - Adenocarcinoma

Puerto Rico (University of Puerto Rico) - Mucinous adenocarcinoma, signet ring cell carcinoma

Texas (Carl R. Darnall Army Medical Center) - Mucinous colonic adenocarcinoma (colloid carcinoma)

Texas, Crystal Beach - Adenocarcinoma, mucinous

Texas, Lubbock - Mucinous adenocarcinoma

Texas (Memorial Pathology Associates) - Adenocarcinoma, mucinous and signet ring cell differentiation

Texas (San Antonio) - Mucinous adenocarcinoma

Texas (Scott & White Hospital) - Mucinous adenocarcinoma with signet ring cells

Washington (Seattle VAMC) - Mucinous adenocarcinoma

Washington (University of Washington Medical Center) - Mucinous adenocarcinoma

West Virginia (Greenbrier Valley Medical Center) - Adenocarcinoma with mucinous production

Australia (Royal Hobart Hospital) - Mucinous carcinoma, cecum

Australia (Royal Prince Alfred Hospital) - Mucinous adenocarcinoma

Canada (Pasqua Hospital) - Mucinous adenocarcinoma

Canada (University of Sherbrooke) - Adenocarcinoma

Ireland (Kerry General Hospital) - Goblet cell carcinoid

Japan (Asashi General Hospital) - Mucinous adenocarcinoma

Japan (Kanazawa University Graduate School) - Signet ring cell carcinoma

Japan (Shizuoka Tokushu-Kai Hospital) - Signet ring carcinoma

Japan (University of Yamanashi) - Mucinous adenocarcinoma
Netherlands, Amstelveen - Colloid adenocarcinoma
Singapore (Freelance/Locum Practice) - Adenocarcinoma, signet ring cell type
United Kingdom (John Radcliffe Hospital) - Mucinous adenocarcinoma
United Kingdom (Princes Risborough Study Group) - Mucinous adenocarcinoma

Case 8 - Diagnosis:

Mucinous adenocarcinoma of cecum
T-67100, M-81403

Case 8 - References:

Differential expression of MUC1, MUC2, and MUC5AC in carcinomas of various sites: an immunohistochemical study.

SO - *Am J Clin Pathol* 2004 Jul;122(1): p61-9

AU - Lau SK; Weiss LM; Chu PG

Distinguishing benign dissecting mucin (stromal mucin pools) from invasive mucinous carcinoma.

Adv Anat Pathol 2008 Jan;15(1): p1-17

Molavi D; Argani P

Signet ring cell differentiation in mucinous colorectal carcinoma.

J Pathol 2007 Jul;212(3): p278-86

Borger ME; Gosens MJ; Jeuken JW; van Kempen LC; van de Velde CJ; van Krieken JH; Nagtegaal ID

Ileocolic intussusception secondary to cecal adenocarcinoma.

J Am Geriatr Soc 2008 Nov;56(11): p2148-50

Cheung WK; Tu CC; Wang KL

Primary small cell carcinoma of the cecum.

Ann Diagn Pathol 2006 Jun;10(3): p162-5

Demellaw DE; Samkari A; Sur M; Denardi F; Alowami S

Case No. 9, Accession No. 31048

November 2009

Fontana (Kaiser Foundation Hospital) - Adenocarcinoma

Glendale - Adenocarcinoma

Long Beach (Long Beach Veterans Hospital) - Adenocarcinoma, moderately differentiated

Oakland (Alameda County Medical Center) - Adenocarcinoma (3)

Oakland (Kaiser Oakland Medical Center) - Adenocarcinoma

Orange County (Orange County Pathology Medical Group) - Adenocarcinoma

Oxnard (St. John's Regional Medical Center) - Moderately differentiated adenocarcinoma

San Diego (San Diego Naval Medical Center) - Colon adenocarcinoma

Santa Barbara (Miramonte Laboratory) - Adenocarcinoma

Woodland Hills (Kaiser Permanente) - Colonic adenocarcinoma

Colorado (Fort Collins) - Invasive moderately differentiated adenocarcinoma, colonic type

Florida (Naples Pathology Associates) - Colonic adenocarcinoma

Georgia, Danwoody - Adenocarcinoma, moderately differentiated

Illinois, Chicago - Colonic adenocarcinoma (2)

Illinois, Burr Ridge - Invasive adenocarcinoma, colon

Illinois (Heartland Regional Medical Center) - Adenocarcinoma, moderately differentiated

Illinois, Oakbrook - Invasive moderately differentiated adenocarcinoma

Illinois (St. Mary's Hospital) - Adenocarcinoma

Indiana, Indianapolis - Invasive adenocarcinoma, well-differentiated

Kansas (Cytocheck Laboratory) - Adenocarcinoma

Louisiana (LSU-HSC) - Adenocarcinoma
Maryland (University of Maryland) - Adenocarcinoma
Minnesota (Fairview Ridges Hospital) - Adenocarcinoma, invasive
Nebraska (Creighton University Medical Center) - Moderately differentiated adenocarcinoma of colon (2)
New York (Albany Medical Center) - Colonic adenocarcinoma
New York (St. Lukes Roosevelt Hospital) - Invasive adenocarcinoma (2); Adenocarcinoma, moderately differentiated (1)
New York (SUNY Downstate Medical Center) - Adenocarcinoma, moderately-differentiated
New York (Westchester Medical Center) - Moderately differentiated adenocarcinoma in diverticulum
North Carolina (North Carolina Baptist) - Invasive well to moderately differential carcinoma
Ohio, Columbus - Colonic adenocarcinoma
Ohio (Ohio State University) - Adenocarcinoma
Pennsylvania (Drexel University College of Medicine Residents) - Colon adenocarcinoma
Pennsylvania (Lehigh Valley Hospital) - Adenocarcinoma
Pennsylvania (Magee Women's Hospital) - Colonic adenocarcinoma
Puerto Rico (University of Puerto Rico) - Adenocarcinoma of colon
Texas (Carl R. Darnall Army Medical Center) - Colonic adenocarcinoma
Texas, Crystal Beach - Adenocarcinoma, colonic
Texas, Lubbock - Adenocarcinoma
Texas (Memorial Pathology Associates) - Moderately differentiated adenocarcinoma
Texas (San Antonio) - Colonic adenocarcinoma
Texas (Scott & White Hospital) - Adenocarcinoma
Washington (Seattle VAMC) - Adenocarcinoma
Washington (University of Washington Medical Center) - Colonic adenocarcinoma
West Virginia (Greenbrier Valley Medical Center) - Adenocarcinoma, NOS
Australia (Royal Hobart Hospital) - Colorectal adenocarcinoma showing budding architecture (HNPCC to be excluded)
Australia (Royal Prince Alfred Hospital) - Adenocarcinoma
Canada (Pasqua Hospital) - Adenocarcinoma
Canada (University of Sherbrooke) - Intertinal type adenocarcinoma
Ireland (Kerry General Hospital) - Dukes A pT2 adenocarcinoma
Japan (Asashi General Hospital) - Well-differentiated tubular adenocarcinoma
Japan (Kanazawa University Graduate School) - Adenocarcinoma (MSI associated)
Japan (Shizuoka Tokushu-Kai Hospital) - Adenocarcinoma arising in an adenoma
Japan (University of Yamanashi) - Tubular adenocarcinoma
Netherlands, Amstelveen - Adenocarcinoma
Singapore (Freelance/Locum Practice) - Adenocarcinoma
United Kingdom (John Radcliffe Hospital) - Moderately differentiated adenocarcinoma
United Kingdom (Princes Risborough Study Group) - Moderately differentiated adenocarcinoma

Case 9 - Diagnosis:

Adenocarcinoma, colon
 T-67000, M-81403

Case 9 - References:

Pathological assessment of pericolic tumor deposits in advanced colonic carcinoma: relevance to prognosis and tumor staging.

Mod Pathol 2007 Aug;20(8): p843-55

Puppa G; Maisonneuve P; Sonzogni A; Masullo M; Capelli P; Chilosi M; Menestrina F; Viale G; Pelosi G

Small early invasive colon cancer near the splenic flexure successfully diagnosed by intraoperative magnifying endoscopy.

Dig Dis Sci 2007 Jun;52(6): p1394-7

Koide N; Tsuchie K; Mihara E; Itoh O; Nakajima M; Shibata T

Vaginal metastasis revealing colon adenocarcinoma.

Int J Colorectal Dis 2006 Dec;21(8): p861-2
Marchal F; Leroux A; Hoffstetter S; Granger P

Images in clinical medicine. The virtual apple core of a colonic carcinoma.
N Engl J Med 2005 Jun 30;352(26): p2733
Rubin EM; Raptopoulos VD

Clear cell adenocarcinoma: a rare variant of primary colonic tumour.
Int J Colorectal Dis 2008 Jan;23(1): p137-8
Bressenot A; Marcon N; Montagne K; Plenat F

Case No. 10, Accession No. 31060

November 2009

Fontana (Kaiser Foundation Hospital) - Choriocarcinoma
Glendale - Choriocarcinoma
Long Beach (Long Beach Veterans Hospital) - Angiosarcoma, high grade
Oakland (Alameda County Medical Center) - Choriocarcinoma (1); Poorly differentiated tumor, germ cell tumor, sarcoma, choriocarcinoma (1); Metastatic choriocarcinoma (1)
Oakland (Kaiser Oakland Medical Center) - Choriocarcinoma
Orange County (Orange County Pathology Medical Group) - Choriocarcinoma
Oxnard (St. John's Regional Medical Center) - Choriocarcinoma
San Diego (San Diego Naval Medical Center) - Choriocarcinoma
Santa Barbara (Miramonte Laboratory) - High grade angiosarcoma
Woodland Hills (Kaiser Permanente) - Metastatic choriocarcinoma
Colorado (Fort Collins) - Angiosarcoma
Florida (Naples Pathology Associates) - Angiosarcoma
Georgia, Danwoody - Choriocarcinoma
Illinois, Chicago - Metastatic melanoma (2)
Illinois, Burr Ridge - Anaplastic carcinoma, small intestine
Illinois (Heartland Regional Medical Center) - Poorly differentiated carcinoma with trophoblastic differentiation
Illinois, Oakbrook - Metastatic carcinoma (testicular)
Illinois (St. Mary's Hospital) - Angiosarcoma
Indiana, Indianapolis - Metastatic germ cell tumor, favor choriocarcinoma
Kansas (Cytocheck Laboratory) - Germ cell tumor
Louisiana (LSU-HSC) - Choriocarcinoma
Maryland (University of Maryland) - Angiosarcoma
Minnesota (Fairview Ridges Hospital) - Choriocarcinoma
Nebraska (Creighton University Medical Center) - High grade malignancy, favor choriocarcinoma (2)
New York (Albany Medical Center) - Choriocarcinoma
New York (St. Lukes Roosevelt Hospital) - Choriocarcinoma (3)
New York (SUNY Downstate Medical Center) - Choriocarcinoma
New York (Westchester Medical Center) - Metastatic choriocarcinoma
North Carolina (North Carolina Baptist) - Malignant neoplasm, favor metastatic melanoma
Ohio, Columbus - Poorly differentiated neoplasm
Ohio (Ohio State University) - Melanoma
Pennsylvania (Drexel University College of Medicine Residents) - Choriocarcinoma
Pennsylvania (Lehigh Valley Hospital) - Choriocarcinoma
Pennsylvania (Magee Women's Hospital) - High grade neoplasm favor metastatic choriocarcinoma
Puerto Rico (University of Puerto Rico) - Choriocarcinoma
Texas (Carl R. Darnall Army Medical Center) - Choriocarcinoma
Texas, Crystal Beach - Adenocarcinoma consistent with large cell features, intestinal
Texas, Lubbock - Metastatic liver cell carcinoma
Texas (Memorial Pathology Associates) - Metastatic choriocarcinoma
Texas (San Antonio) - Choriocarcinoma, metastatic
Texas (Scott & White Hospital) - Favor metastatic germ cell tumor (choriocarcinoma)

Washington (Seattle VAMC) - Choriocarcinoma
Washington (University of Washington Medical Center) - Choriocarcinoma
West Virginia (Greenbrier Valley Medical Center) - Adenocarcinoma, metastatic
Australia (Royal Hobart Hospital) - Metastatic germ cell tumor (choriocarcinoma)
Australia (Royal Prince Alfred Hospital) - Choriocarcinoma
Canada (Pasqua Hospital) - Choriocarcinoma
Canada (University of Sherbrooke) - Choriocarcinoma
Ireland (Kerry General Hospital) - Choriocarcinoma
Japan (Asashi General Hospital) - Angiosarcoma
Japan (Kanazawa University Graduate School) - Angiosarcoma
Japan (Shizuoka Tokushu-Kai Hospital) - Choriocarcinoma
Japan (University of Yamanashi) - Choriocarcinoma
Netherlands, Amstelveen - Metastatic choriocarcinoma
Singapore (Freelance/Locum Practice) - Choriocarcinoma
United Kingdom (John Radcliffe Hospital) - Choriocarcinoma
United Kingdom (Princes Risborough Study Group) - Malignant endocrine cell tumor

Case 10 - Diagnosis:

Metastatic choriocarcinoma, small bowel
 T-64000, M-91003

Case 10 - References:

Male choriocarcinoma with metastasis to the jejunum: a case report and review of the literature.

J Nippon Med Sch 2008 Apr;75(2): p116-21

Yokoi K; Tanaka N; Furukawa K; Ishikawa N; Seya T; Horiba K; Kanazawa Y; Yamada T; Ohaki Y; Tajiri T

Metastatic choriocarcinoma: a rare cause of stroke in the young adult.

Australas Radiol 2006 Oct;50(5): p481-3

Saad N; Tang YM; Sclavos E; Stuckey SL

Metastatic choriocarcinoma to the pancreas.

Am Surg 2005 Apr;71(4): p330-2

Alvarez NR; Lambrou N; Solorzano CC

Gastrointestinal hemorrhage as first manifestation of metastatic testicular tumor.

Urology 2005 Dec;66(6): p1319

Shariat SF; Duchene D; Kabbani W; Mucher Z; Lotan Y