



CALIFORNIA
TUMOR TISSUE REGISTRY

PATHOLOGY of the DIGESTIVE SYSTEM

Minutes – Subscription B

October 2012



SUGGESTED READING (General Topics from Recent Literature):

Do adenocarcinomas of the prostate with Gleason score (GS) ≤ 6 have the potential to metastasize to lymph nodes? *Am J Surg Pathol* 2012; 36:1346-1352. Ross HM, Kryvenko ON, et al.

Secondary review of external histopathology on cutaneous oncology patients referred for sentinel lymph node biopsy: How often does it happen and is it worth it? *J Cutan Pathol* 2012; 39:844-849. Haws B, St Romain P, et al.

Clinicopathologic and genetic characterization of traditional serrated adenomas of the colon. *Am J Clin Pathol* 2012; 138:356-366. FuB, Yachida S, et al.

Pleomorphic lobular carcinoma: A distinctive clinical and molecular breast cancer type. *Histopathology* 2012; 61:365-377. Monhollen L, Morrison C, et al.

Emerging targeted therapies for lymphoid malignancies. *Arch Pathol Lab Med* 2012; 136: 476-482. Pozdnyakova O, Kutok JL, and Rodig SJ.

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FILE DIAGNOSES

CTTR Subscription B

October 2012

Case 1:

Adenomyosis with papillary features, gallbladder
T-57000, D-3890

Case 2:

Adenosquamous carcinoma, gallbladder
T-57000, M-80753

Case 3:

Angiodysplasia, small bowel
T-64000, M-74850

Case 4:

Low grade neuroendocrine tumor, distal terminal ileum
T-65520, D2040

Case 5:

Gastrointestinal stromal tumor (GIST), stomach
T-63300, M-88903

Case 6:

High grade acinar adenocarcinoma, pancreas
T-59000, M-81403

Case 7:

Hemangioma, liver
T-56000, M-91200

Case 8:

Cholangiocarcinoma, liver
T-56000, M-81600

Case 9:

Cholangiocarcinoma, liver
T-56000, M-81600

Case 10:

Hepatocellular carcinoma with focal clear cell and rhabdoid features, liver
T-56000, M-81703

Costa Mesa (College Hospital) - Adenomyosis
San Diego (Naval Medical Center) - No tumor tissue present
Alabama (Cunningham Pathology) - Pyloric gland metaplasia/adenoma
Georgia, Atlanta - Papillomatosis
Illinois (Heartland Regional Medical Center) - Slight, predominantly chronic cholecystitis (cholesterolosis not identified)
Illinois (Loyola University of Chicago) - Papillary adenomatosis
Kansas (Peterson Laboratory Services) - High grade dysplasia (1); Chronic cholecystitis with focal high grade dysplasia (1)
Maryland (University of Maryland) - Chronic cholecystitis and cholesterolosis
Missouri (Kansas City University of Medicine) - Cholecystitis
New York (Buffalo General Hospital) - Biliary type adenoma
Ohio (Cleveland Clinic Pathology Residents Program) - Adenomyoma
Ohio (Summa Health System Residents) - Benign adenomyoma
Pennsylvania (Drexel University of Medicine) - Adenomyomatosis
Tennessee, Knoxville - Chronic cholecystitis with questionable intracellular pathogen
Texas, Crystal Beach - Hemangiomatous changes
Texas, Lubbock - Chronic cholecystitis
Wisconsin (Medical Assessment and Consultation) of S.C.) - Benign tissue, favor papillomatosis (block very depleted)
Australia (The Royal Women's Hospital) - Chronic cholecystitis
Canada (Pasqua Hospital) - Amyloid
Canada (University of Sherbrooke) - Chronic cholecystitis, gallbladder
Ireland (University College Hospital) - Chronic cholecystitis. No focal lesion.
Japan (Asahi General Hospital) - Papillary hyperplasia (1); Chronic cholecystolithiasis (1)
Japan (University of Yamanashi) - Adenomyomatous hyperplasia
Japan (Setegaya-Ku) - Adenoma, papillary
Saudi Arabia (King Fahad Hospital) - Chronic cholecystitis
Saudi Arabia (King Khalid University Hospital) - Mild chronic sclerosing cholecystitis
Singapore (Singapore General Hospital) - Adenomyoma

Case 1 - Diagnosis:

Adenomyosis with papillary features, gallbladder
T-57000, D-3890

Case 1 - References:

[Adenomyosis of the common bile duct]. *Magy Onkol* 2010; Jun;54(2): p179-80. Krutsay M.
Primary diffuse papillary hyperplasia of the gallbladder. *Pathology* 2006; Dec;38(6): p591-2. AU - Umudum H; Gunbatili E; Sanal M; Ceyhan K.
Are histological alterations observed in the gallbladder precancerous lesions? *Clinics (Sao Paulo)* 2010; Feb;65(2): p143-50. Meirelles-Costa AL; Bresciani CJ, et al.
Heterotopic gastric mucosa in the gallbladder: report of two cases. *Surg Today* 2010; Aug;40(8): p783-7. Hayama S; Suzuki Y; Takahashi M; Hazama K; Fujita M; Kondo S; Katoh H.

Costa Mesa (College Hospital) - Adenocarcinoma with metaplasia
San Diego (Naval Medical Center) - Adenosquamous carcinoma of gallbladder
Alabama (Cunningham Pathology) - Adenosquamous cell carcinoma
Georgia, Atlanta - Adenosquamous carcinoma
Illinois (Heartland Regional Medical Center) - Adenosquamous carcinoma
Illinois (Loyola University of Chicago) - Adenosquamous carcinoma of gallbladder

Kansas (Peterson Laboratory Services) - Adenosquamous carcinoma (1); Gallbladder carcinoma with adenosquamous differentiation (1)
Maryland (University of Maryland) - Adenosquamous carcinoma
Missouri (Kansas City University of Medicine) - Adenosquamous carcinoma
New York (Buffalo General Hospital) - Adenosquamous carcinoma
Ohio (Cleveland Clinic Pathology Residents Program) - Gallbladder adenosquamous carcinoma
Ohio (Summa Health System Residents) - Adenosquamous carcinoma
Pennsylvania (Drexel University of Medicine) - Adenosquamous carcinoma
Tennessee, Knoxville - Adenosquamous carcinoma
Texas, Crystal Beach - Glandular squamous metaplasia
Texas, Lubbock - Adenocarcinoma of gallbladder
Wisconsin (Medical Assessment and Consultation) of S.C.) - Adenosquamous carcinoma
Australia (The Royal Women's Hospital) - Squamous cell carcinoma, gallbladder
Canada (Pasqua Hospital) - Adenosquamous carcinoma
Canada (University of Sherbrooke) - Mucoepidermoid carcinoma, gallbladder
Ireland (University College Hospital) - Adenosquamous carcinoma
Japan (Asahi General Hospital) - Adenosquamous carcinoma (2)
Japan (University of Yamanashi) - Adenosquamous carcinoma
Japan (Setegaya-Ku) - Adenosquamous carcinoma
Saudi Arabia (King Fahad Hospital) - Adenosquamous carcinoma, gallbladder
Saudi Arabia (King Khalid University Hospital) - Adenosquamous carcinoma
Singapore (Singapore General Hospital) - Adenosquamous carcinoma

Case 2 - Diagnosis:

Adenosquamous carcinoma, gallbladder
T-57000, M-80753

Case 2 - References:

Combined adenosquamous and large-cell neuroendocrine carcinoma of the gallbladder. *Virchows Arch* 2006; Jul;449(1): p135-6. Noske A; Pahl S.
Gallbladder adenosquamous cell carcinoma: report of two cases. *Acta Gastroenterol Belg* 2005; Oct-Dec;68(4): p440-2. Akcali Z; Ozyilkan O; Sakalli H; Bal N; Noyan T.
Squamous and adenosquamous cell carcinomas of the gallbladder. *J Exp Clin Cancer Res* 2005; Mar;24(1): p143-50. Mingoli A; Brachini G, et al.
Adenosquamous carcinoma of the gallbladder. *Hepatogastroenterology* 2002; Sep-Oct;49(47): p1230-4. Kondo M; Dono K, et al.
Adenosquamous carcinoma of the gallbladder warrants resection only if curative resection is feasible. *Cancer* 2002; Jun 1;94(11): p3000-5. Ohashi Y; Shirai Y, et al.

Case No. 3, Accession No. 12366

October 2012

Costa Mesa (College Hospital) - Rendu-Osler-Weber
San Diego (Naval Medical Center) - Hemangioma
Alabama (Cunningham Pathology) - AVM
Georgia, Atlanta - Angiomatosis
Illinois (Heartland Regional Medical Center) - Hemangioma
Illinois (Loyola University of Chicago) - Cavernous hemangioma
Kansas (Peterson Laboratory Services) - Angiodysplasia (1); Ischemic colitis with incidental arteriovenous malformation (1)
Maryland (University of Maryland) - Angiodysplasia
Missouri (Kansas City University of Medicine) - Cavernous hemangioma
New York (Buffalo General Hospital) - Angiodysplasia
Ohio (Cleveland Clinic Pathology Residents Program) - Angiodysplasia
Ohio (Summa Health System Residents) - Hemorrhagic telangiectasia

Pennsylvania (Drexel University of Medicine) - Angiodysplasia
Tennessee, Knoxville - Cavernous hemangiomas
Texas, Crystal Beach - Hemangiomatous submucosal lesions
Texas, Lubbock - Angiomatosis
Wisconsin (Medical Assessment and Consultation) of S.C.) - Benign vascular malformation
Australia (The Royal Women's Hospital) - Vascular ectasia (angiodysplasia), small bowel
Canada (Pasqua Hospital) - Hemangioma
Canada (University of Sherbrooke) - Submucosal hemangioma, small bowel
Ireland (University College Hospital) - Angiodysplasia
Japan (Asahi General Hospital) - Cavernous hemangioma (1); Ischemic colitis (1)
Japan (University of Yamanashi) - Angiodysplasia
Japan (Setegaya-Ku) - Hemangioma
Saudi Arabia (King Fahad Hospital) - Cavernous hemangioma, small bowel
Saudi Arabia (King Khalid University Hospital) - Small intestinal vascular malformation/ telangiectasia
Singapore (Singapore General Hospital) - Angiodysplasia

Case 3 - Diagnosis:

Angiodysplasia, small bowel
 T-64000, M-74850

Case 3 - References:

Small bowel angiodysplasia associated with von Willebrand's disease: report of a case..*Surg Today* 2006; 36(7): p659-62.Patti R; Almasio PL; Buscemi S; Tripodo C; Di Vita G.
 Small-bowel angiodysplasia and intestinal bleeding: a diagnostic challenge. *Gastrointest Endosc* 2006; Dec;64(6): p1008; discussion 1009. Averbach M; Marques OW; Correa PA; Cappellanes CA; Hashiba K.
 [Angiodysplasia of the gastrointestinal tract: description of 2 cases] *Pathologica* 2003; Jun;95(3): p152-6.Di Giovannantonio L; Belloci R, et al.
 Vascular lesions of the gastrointestinal tract. *Acta Gastroenterol Belg* 2002; Oct-Dec;65(4): p213-9.Dalle I; Geboes K.
 Angiodysplasia of the major duodenal papilla: a rare cause of GI bleeding. *Gastrointest Endosc* 2006; May;63(6): p862-3.Artifon EL; Sakai P, et al.

Case No. 4, Accession No. 31328

October 2012

Costa Mesa (College Hospital) - Carcinoid
San Diego (Naval Medical Center) - Neuroendocrine tumor, grade 2
Alabama (Cunningham Pathology) - Carcinoid
Georgia, Atlanta - Well-differentiated neuroendocrine carcinoma
Illinois (Heartland Regional Medical Center) - Neuroendocrine tumor, grade 1 (carcinoid tumor)
Illinois (Loyola University of Chicago) - Carcinoid tumor
Kansas (Peterson Laboratory Services) - Well-differentiated neuroendocrine tumor (2)
Maryland (University of Maryland) - Carcinoid
Missouri (Kansas City University of Medicine) - Carcinoid tumor
New York (Buffalo General Hospital) - Neuroendocrine tumor
Ohio (Cleveland Clinic Pathology Residents Program) - Well-differentiated neuroendocrine neoplasm
Ohio (Summa Health System Residents) - Carcinoid
Pennsylvania (Drexel University of Medicine) - Well-differentiated neuroendocrine tumor
Tennessee, Knoxville - Small intestinal neuroendocrine tumor
Texas, Crystal Beach - Carcinoid tumor
Texas, Lubbock - Atypical carcinoid
Wisconsin (Medical Assessment and Consultation) of S.C.) - Malignant carcinoid tumor (well-differentiated neuroendocrine carcinoma)
Australia (The Royal Women's Hospital) - Neuroendocrine tumor, grade 1
Canada (Pasqua Hospital) - Carcinoid tumor
Canada (University of Sherbrooke) - Well-differentiated neuroendocrine tumor (carcinoid), ileum
Ireland (University College Hospital) - Neuroendocrine tumor (carcinoid)

Japan (Asahi General Hospital) - Neuroendocrine carcinoma (2)
Japan (University of Yamanashi) - Carcinoid (NET G1)
Japan (Setegaya-Ku) - Carcinoid
Saudi Arabia (King Fahad Hospital) - Carcinoid tumor (well-differentiated neuroendocrine tumor), terminal ileum
Saudi Arabia (King Khalid University Hospital) - Well-differentiated neuroendocrine tumor
Singapore (Singapore General Hospital) - Well-differentiated neuroendocrine tumor (carcinoid), GI

Case 4 - Diagnosis:

Low grade neuroendocrine tumor, distal terminal ileum
T-65520, D-2040

Case 4 - References:

Diffuse neuroendocrine tumor of the small bowel: an exceptional case with long survival and literature review. *Int Surg* 2002; Jan-Mar;87(1): p1-5. Testini M; Cirillo F, et al.
Neuroendocrine tumors of the gastrointestinal tract: recent advances in molecular genetics, diagnosis, and treatment. *Curr Opin Oncol* 2005; Jul;17(4): p386-91 Oberg K.
Neuroendocrine tumor of small bowel. *Gastrointest Endosc* 2004; Sep;60(3): p431. Martini C; Sturniolo GC, et al.
Small intestinal neuroendocrine tumors: prognostic factors and survival. *Scand J Gastroenterol* 2009; 44(9): p1084-91. Bergestuen DS; Aabakken L; Holm K; Vatn M; Thiis-Evensen E.
Small intestinal neuroendocrine cell pathobiology: 'carcinoid' tumors..*Curr Opin Oncol* 2011; Jan;23(1): p45-52. Kidd M; Modlin IM.
Neuroendocrine tumor epidemiology: contrasting Norway and North America. *Cancer* 2008; Nov 15;113(10): p2655-64. Hauso O; Gustafsson BI, et al.

Case No. 5, Accession No. 31470

October 2012

Costa Mesa (College Hospital) - GIST
San Diego (Naval Medical Center) - GIST
Alabama (Cunningham Pathology) - GIST
Georgia, Atlanta - Gastrointestinal stromal tumor
Illinois (Heartland Regional Medical Center) - GIST
Illinois (Loyola University of Chicago) - GIST
Kansas (Peterson Laboratory Services) - Gastrointestinal stromal tumor (2)
Maryland (University of Maryland) - GIST
Missouri (Kansas City University of Medicine) - Gastrointestinal stromal tumor
New York (Buffalo General Hospital) - Gastrointestinal stromal tumor
Ohio (Cleveland Clinic Pathology Residents Program) - GIST
Ohio (Summa Health System Residents) - GIST
Pennsylvania (Drexel University of Medicine) - GIST
Tennessee, Knoxville - Gastrointestinal stromal tumor
Texas, Crystal Beach - Gastrointestinal stromal tumor
Texas, Lubbock - Gastrointestinal stromal tumor
Wisconsin (Medical Assessment and Consultation) of S.C.) - Gastrointestinal stromal tumor (GIST), neuroendocrine carcinoma
Australia (The Royal Women's Hospital) - Gastrointestinal stromal tumor (GIST)
Canada (Pasqua Hospital) - GIST
Canada (University of Sherbrooke) - Gastrointestinal stromal tumor, stomach
Ireland (University College Hospital) - Gastrointestinal stromal tumor
Japan (Asahi General Hospital) - Gastrointestinal stromal tumor (2)
Japan (University of Yamanashi) - Gastrointestinal stromal tumor
Japan (Setegaya-Ku) - Gastrointestinal stromal tumor
Saudi Arabia (King Fahad Hospital) - Gastrointestinal stromal tumor, low risk type, gastric mass
Saudi Arabia (King Khalid University Hospital) - Gastrointestinal stromal tumor (intermediate)
Singapore (Singapore General Hospital) - Gastrointestinal stromal tumor (GIST)

Case 5 - Diagnosis:

Gastrointestinal stromal tumor (GIST), stomach
T-63300, M-88903

Case 5 - References:

Analysis of 151 consecutive gastric submucosal tumors according to tumor location. *J Surg Oncol* 2011; Jul 1;104(1): p72-5. Lee HH; Hur H, et al.
Small gastrointestinal stromal tumor of the stomach showing rapid growth and early metastasis to the liver. *Dig Endosc* 2010; Oct;22(4): p354-6. Tanaka J; Oshima T, et al..
Robot-assisted laparoscopic resection for gastric gastrointestinal stromal tumor. *Surg Laparosc Endosc Percutan Tech* 2012; Jun;22(3): p155-6. Moriyama H; Ishikawa N; Kawaguchi M; Hirose K; Watanabe G.
Gastrointestinal stromal tumors of the stomach. *Surg Oncol Clin N Am* 2012; Jan;21(1): p21-33. Bennett JJ; Rubino MS.
Gastric schwannoma: a benign tumour often mistaken clinically, radiologically and histopathologically for a gastrointestinal stromal tumour--a case series. *Ann R Coll Surg Engl* 2012; May;94(4): p245-9. Williamson JM; Wadley MS; Shepherd NA; Dwerryhouse S.

Case No. 6, Accession No. 8459**October 2012**

Costa Mesa (College Hospital) - Neuroendocrine tumor
San Diego (Naval Medical Center) - Poorly differentiated malignancy
Alabama (Cunningham Pathology) - Pancreatic endocrine carcinoma
Georgia, Atlanta - Mucinous carcinoma with signet ring cells
Illinois (Heartland Regional Medical Center) - Poorly differentiated carcinoma
Illinois (Loyola University of Chicago) - Pancreatic islet cell neoplasm
Kansas (Peterson Laboratory Services) - Acinar cell carcinoma (2)
Maryland (University of Maryland) - IPMN with invasive mucinous carcinoma
Missouri (Kansas City University of Medicine) - Acinic cell carcinoma
New York (Buffalo General Hospital) - Mucinous adenocarcinoma
Ohio (Cleveland Clinic Pathology Residents Program) - Acinic cell carcinoma
Ohio (Summa Health System Residents) - Solid pseudopapillary tumor
Pennsylvania (Drexel University of Medicine) - Pancreatic acinar cell carcinoma
Tennessee, Knoxville - Melanoma vs. acinar cell carcinoma need IHC stains
Texas, Crystal Beach - Carcinoma consistent with small cell features, possibly acinar cell
Texas, Lubbock - Mucinous adenocarcinoma
Wisconsin (Medical Assessment and Consultation) of S.C.) - Carcinoma, favor acinar adenocarcinoma
Australia (The Royal Women's Hospital) - Acinar cell carcinoma, pancreas
Canada (Pasqua Hospital) - Signet ring carcinoma
Canada (University of Sherbrooke) - Mucinous carcinoma, pancreas
Ireland (University College Hospital) - Poorly differentiated mucinous adenocarcinoma
Japan (Asahi General Hospital) - Acinar cell carcinoma (2)
Japan (University of Yamanashi) - Acinar cell carcinoma
Japan (Setegaya-Ku) - Mucinous carcinoma
Saudi Arabia (King Fahad Hospital) - Poorly differentiated malignancy, compatible with metastatic melanoma, pancreas
Saudi Arabia (King Khalid University Hospital) - Mucinous non-cystic carcinoma
Singapore (Singapore General Hospital) - Metastatic poorly differentiated carcinoma with signet ring-like feature

Case 6 - Diagnosis:

High grade acinar adenocarcinoma, pancreas
T-59000, M-81403

Outside Consultation: Hugh Edmondson, M.D. LACH "Adenocarcinoma of the pancreas, acinar in origin."

Case 6 - References:

Pancreatic ducts as an important route of tumor extension for acinar cell carcinoma of the pancreas. *Am J Surg Pathol* 2010; Jul;34(7): p1025-36. Ban D; Shimada K, et al.
Pancreatic acinar cell carcinomas with prominent ductal differentiation: Mixed acinar ductal carcinoma and mixed acinar endocrine ductal carcinoma. *Am J Surg Pathol* 2010; Apr;34(4): p510-8. Stelow EB; Shaco-Levy R; Bao F; Garcia J; Klimstra DS.
Update on pancreatic endocrine tumors. *Arch Pathol Lab Med* 2006; Jul;130(7): p963-6. Frankel WL.
Pancreatic endocrine tumour with ductules: further observations of an unusual histological subtype. *Pathology* 2006; Feb;38(1): p5-9. Chetty R; Serra S; Asa SL; Volkan Adsay N.
Acinar cell carcinoma of the pancreas with intraductal growth: report of a case. *Pancreas* 2003; Apr;26(3): p306-8. Hashimoto M; Matsuda M, et al.
Cytology of pancreatic acinar cell carcinoma. *Diagn Cytopathol* 2006; May;34(5): p367-72. Stelow EB; Bardales RH, et al.

Case No. 7, Accession No. 12357

October 2012

Costa Mesa (College Hospital) - Hamartoma
San Diego (Naval Medical Center) - Hemangioma
Alabama (Cunningham Pathology) - Amyloid tumor
Georgia, Atlanta - Hyalinized nodule ? metastatic GIST
Illinois (Heartland Regional Medical Center) - Benign fibrous lesion, NOS
Illinois (Loyola University of Chicago) - Hemangioma
Kansas (Peterson Laboratory Services) - Mesenchymal hamartoma (1); Sclerosing hemangioma (1)
Maryland (University of Maryland) - Sclerosed hemangioma
Missouri (Kansas City University of Medicine) - Focal nodular hyperplasia
New York (Buffalo General Hospital) - Sclerosed hemangioma
Ohio (Cleveland Clinic Pathology Residents Program) - Amyloidoma
Ohio (Summa Health System Residents) - Sclerosed hemangioma
Pennsylvania (Drexel University of Medicine) - Sclerosing hemangioma
Tennessee, Knoxville - Lymphangioma
Texas, Crystal Beach - Nodular degenerative changes
Texas, Lubbock - Hemangioma
Wisconsin (Medical Assessment and Consultation) of S.C.) - Benign fibrovascular tissue suspicious for amyloid
Australia (The Royal Women's Hospital) - Sclerosed hemangioma, liver
Canada (Pasqua Hospital) - Sclerosing hemangioma
Canada (University of Sherbrooke) - Mesenchymal hamartoma, liver
Ireland (University College Hospital) - Arteriovenous malformation
Japan (Asahi General Hospital) - Sclerosing cavernous hemangioma (1); Fibrous tumor (1)
Japan (University of Yamanashi) - Hemangioma
Japan (Setegaya-Ku) - Lymphangioma
Saudi Arabia (King Fahad Hospital) - Sclerosed hemangioma, liver mass
Saudi Arabia (King Khalid University Hospital) - Hepatic solitary necrotic nodule (fibrous necrotic nodule of liver)
Singapore (Singapore General Hospital) - Sclerosed hemangioma

Case 7 - Diagnosis:

Hemangioma, liver
T-56000, M-91200

Case 7 - References:

Sclerosed hemangioma and sclerosing cavernous hemangioma of the liver: a comparative clinicopathologic and immunohistochemical study with emphasis on the role of mast cells in their histogenesis. *Liver* 2002; Feb;22(1): p70-8.. Makhoulf HR; Ishak KG..
Kasabach-Merritt syndrome and adult hepatic epithelioid hemangioendothelioma an unusual association. *J Hepatol* 2005; Feb;42(2): p282-3. Frider B; Bruno A; Selser J; Vanesa R; Pascual P; Bistoletti R.

Management of hepatic hemangiomas: a 14-year experience. *J Gastrointest Surg* 2005; Jul-Aug;9(6): p853-9. Herman P; Costa ML, et al.

Lessons from a liver hemangioma registry: subtype classification. *J Pediatr Surg* 2012; Jan;47(1): p165-70. Kulungowski AM; Alomari AI, et al.

Adult capillary hemangioma of the liver: case report and literature review. *Kaohsiung J Med Sci* (China 2011 Aug;27(8): p344-7. Jhuang JY; Lin LW; Hsieh MS.

Liver hemangioma mimicking cholangiocarcinoma--a diagnostic dilemma. *Trop Gastroenterol* 2009; Jan-Mar;30(1): p44-6. Sood D; Kumaran V; Buxi TB; Nundy S; Soin AS.

Image of the month. Kasabach-Merritt syndrome in a giant cavernous liver hemangioma. *Arch Surg* 2007; Apr;142(4): p399-400. McCormack L; Petrowsky H; Clavien P.

Case No. 8, Accession No. 14466

October 2012

Costa Mesa (College Hospital) - Cholangiosarcoma
San Diego (Naval Medical Center) - Cholangiocarcinoma
Alabama (Cunningham Pathology) - Cholangiocarcinoma rule out met
Georgia, Atlanta - Adenocarcinoma ? metastatic cholangiocarcinoma
Illinois (Heartland Regional Medical Center) - Adenocarcinoma, favor cholangiocarcinoma
Illinois (Loyola University of Chicago) - Metastatic cholangiocarcinoma
Kansas (Peterson Laboratory Services) - Metastatic adenocarcinoma, favor cholangiocarcinoma (1); Metastatic cholangiocarcinoma (1)
Maryland (University of Maryland) - Cholangiocarcinoma
Missouri (Kansas City University of Medicine) - Cholangiocarcinoma
New York (Buffalo General Hospital) - Cholangiocarcinoma
Ohio (Cleveland Clinic Pathology Residents Program) - Cholangiocarcinoma
Ohio (Summa Health System Residents) - Cholangiocarcinoma
Pennsylvania (Drexel University of Medicine) - Adenocarcinoma of pancreatobiliary origin
Tennessee, Knoxville - Cholangiocarcinoma vs. metastatic adenocarcinoma
Texas, Crystal Beach - Cholangiocarcinoma
Texas, Lubbock - Cholangiocarcinoma
Wisconsin (Medical Assessment and Consultation) of S.C.) - Cholangiocarcinoma
Australia (The Royal Women's Hospital) - Adenocarcinoma favoring cholangiocarcinoma
Canada (Pasqua Hospital) - Cholangiocarcinoma
Canada (University of Sherbrooke) - Metastatic adenocarcinoma, mesentery
Ireland (University College Hospital) - Combined cholangiocarcinoma and hepatocellular carcinoma
Japan (Asahi General Hospital) - Cholangiocarcinoma (2)
Japan (University of Yamanashi) - Adenocarcinoma
Japan (Setegaya-Ku) - Cholangiocarcinoma
Saudi Arabia (King Fahad Hospital) - Metastatic adenocarcinoma, liver nodule
Saudi Arabia (King Khalid University Hospital) - Metastatic adenocarcinoma of probable colonic origin
Singapore (Singapore General Hospital) - Cholangiocarcinoma

Case 8 - Diagnosis:

Cholangiocarcinoma, liver
T-56000, M-81600

Case 8 - References:

Complex liver resection for a large intrahepatic cholangiocarcinoma in a Jehovah's witness: a strategy to avoid transfusion. *J Surg Oncol* 2007; Sep 1;96(3): p249-53. Barakat O; Cooper JR, et al.

Current surgical management of hilar and intrahepatic cholangiocarcinoma: the role of resection and orthotopic liver transplantation. *Transplant Proc* 2009; Dec;41(10): p4023-35. Petrowsky H; Hong JC.

Transplantation for cholangiocarcinoma: when and for whom? *Surg Oncol Clin N Am* 2009; Apr;18(2): p325-37, ix. Rea DJ; Rosen CB; Nagorney DM; Heimbach JK; Gores GJ.

Liver hemangioma mimicking cholangiocarcinoma--a diagnostic dilemma. *Trop Gastroenterol* 2009; Jan-Mar;30(1): p44-6. Sood D; Kumaran V; Buxi TB; Nundy S; Soin AS.

Intrahepatic cholangiocarcinoma and combined hepatocellular cholangiocarcinoma: a Western experience. *Ann Surg Oncol* 2008; Jul;15(7): p1880-90. Portolani N; Baiocchi GL, et al.

Cholangiocarcinoma--controversies and challenges. *Nat Rev Gastroenterol Hepatol* 2011; Apr;8(4): p189-200. Patel T.

Cholangiocarcinoma: principles and current trends. *Hepatobiliary Pancreat Dis Int* 2011; Feb;10(1): p10-20. Zografos GN; Farfaras A, et al.

Risk factors for cholangiocarcinoma. *Hepatology* 2011; Jul;54(1): p173-84. Tyson GL; El-Serag HB.

Current management of cholangiocarcinoma. *Mt Sinai J Med* 2012; Mar-Apr;79(2): p232-45. Singh MK; Facciuto ME.

Can we cure cholangiocarcinoma with neoadjuvant chemoradiation and liver transplantation? Time for a multicenter trial. *Liver Transpl* 2012; May;18(5): p509-13. Kelley RK; Hirose R; Venook AP.

Intrahepatic cholangiocarcinoma: clinicopathological differences between peripheral type and hilar type. *J Gastrointest Surg* 2012; Mar;16(3): p540-8. Murakami Y; Uemura K, et al.

Case No. 9, Accession No. 22569

October 2012

Costa Mesa (College Hospital) - Cholangiocarcinoma

San Diego (Naval Medical Center) - Combined hepatocellular, cholangiocarcinoma

Alabama (Cunningham Pathology) - Hepatocellular carcinoma, rule out met

Georgia, Atlanta - Intrahepatic cholangiocarcinoma

Illinois (Heartland Regional Medical Center) - Adenocarcinoma, favor cholangiocarcinoma

Illinois (Loyola University of Chicago) - Hepatic cholangiocarcinoma

Kansas (Peterson Laboratory Services) - Hepatocellular carcinoma (1); Hepatocellular carcinoma and cholangiocarcinoma (1)

Maryland (University of Maryland) - Adenocarcinoma (primary vs. metastasis)

Missouri (Kansas City University of Medicine) - Angiosarcoma

New York (Buffalo General Hospital) - Hepatocellular carcinoma and cholangiocarcinoma

Ohio (Cleveland Clinic Pathology Residents Program) - Cholangiocarcinoma

Ohio (Summa Health System Residents) - Adenocarcinoma vs. cholangiocarcinoma

Pennsylvania (Drexel University of Medicine) - Cholangiocarcinoma

Tennessee, Knoxville - Cholangiocarcinoma

Texas, Crystal Beach - Cholangiocarcinoma

Texas, Lubbock - Cholangiocarcinoma

Wisconsin (Medical Assessment and Consultation) of S.C.) - Liver involved by adenocarcinoma

Australia (The Royal Women's Hospital) - Carcinoma, favoring hepatocellular carcinoma

Canada (Pasqua Hospital) - Combined HCC and cholangiocarcinoma

Canada (University of Sherbrooke) - Cholangiocarcinoma, liver

Ireland (University College Hospital) - Cholangiocarcinoma

Japan (Asahi General Hospital) - Combined hepatocellular-cholangiocarcinoma (1); Metastatic adenocarcinoma (1)

Japan (University of Yamanashi) - Intrahepatic cholangiocarcinoma

Japan (Setegaya-Ku) - Cholangiocarcinoma

Saudi Arabia (King Fahad Hospital) - Intra hepatic cholangiocarcinoma, liver mass

Saudi Arabia (King Khalid University Hospital) - Cholangiocarcinoma

Singapore (Singapore General Hospital) - Combined hepatocellular cholangiocarcinoma

Case 9 - Diagnosis:

Cholangiocarcinoma, liver
T-56000, M-81600

Case 9 - References:

See references for Case 8.

Costa Mesa (College Hospital) - Hepatocellular carcinoma
San Diego (Naval Medical Center) - Hepatocellular carcinoma
Alabama (Cunningham Pathology) - Hepatocellular carcinoma rule out met
Georgia, Atlanta - Poorly differentiated hepatocellular carcinoma
Illinois (Heartland Regional Medical Center) - Poorly differentiated carcinoma, favor hepatocellular carcinoma
Illinois (Loyola University of Chicago) - Hepatocellular carcinoma
Kansas (Peterson Laboratory Services) - Metastatic poorly differentiated carcinoma (2)
Maryland (University of Maryland) - Hepatocellular carcinoma
Missouri (Kansas City University of Medicine) - Hepatocellular carcinoma
New York (Buffalo General Hospital) - Hepatocellular carcinoma
Ohio (Cleveland Clinic Pathology Residents Program) - Hepatocellular carcinoma
Ohio (Summa Health System Residents) - Hepatocellular carcinoma
Pennsylvania (Drexel University of Medicine) - Hepatocellular carcinoma
Tennessee, Knoxville - Hepatocellular carcinoma
Texas, Crystal Beach - Carcinoma hepatocellular
Texas, Lubbock - Hepatocellular carcinoma
Wisconsin (Medical Assessment and Consultation) of S.C.) - Liver involved by carcinoma with focal clear cell component
Australia (The Royal Women's Hospital) - Undifferentiated carcinoma
Canada (Pasqua Hospital) - Hepatocellular carcinoma
Canada (University of Sherbrooke) - Poorly differentiated carcinoma, liver
Ireland (University College Hospital) - Hepatocellular carcinoma
Japan (Asahi General Hospital) - Hepatocellular carcinoma (1); Metastatic carcinoma (1)
Japan (University of Yamanashi) - Hepatocellular carcinoma
Japan (Setegaya-Ku) - Hepatocellular carcinoma
Saudi Arabia (King Fahad Hospital) - Poorly differentiated hepatocellular carcinoma, liver tumor
Saudi Arabia (King Khalid University Hospital) - High grade hepatocellular carcinoma
Singapore (Singapore General Hospital) - Hepatocellular carcinoma ? fibrolamellar subtype

Case 10 - Diagnosis:

Hepatocellular carcinoma with focal clear cell and rhabdoid features, liver
 T-56000, M-81703

Case 10 - References:

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