

California Tumor Tissue Registry's
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"Gastrointestinal Pathology"

Case 1:

A 21 y/o woman was admitted with a two year history of dizziness, malaise, fatigue, fainting spells and general inability to keep up with her daily work of raising a child. Two years prior she was hospitalized with anemia of unknown etiology with a hemoglobin of 4, requiring 4 units of transfusion. Her hemoglobins for the next year were rarely above 6, and she had multiple transfusions (totaling 14 units). When she was again admitted, a barium swallow showed was suggestive of an intussusception, either duodenal-jejunal or proximal jejunal-jejunal. Resection of the proximal jejunum with primary jejunoduodenal anastomosis was performed. Examination of the removed specimen showed a 5.5 cm polypoid mass in the apparent jejunum. It had a stalk, and did not appear to be invasive. The intussusception was felt to be secondary to this mass.

Santa Barbara (Miramonte Laboratory) - Peutz-Jeghers polyp
Santa Rosa (Santa Rosa Memorial Hospital) - Peutz-Jeghers polyp (3)
Woodland Hills (Kaiser Permanente) - Hamartomatous polyp (Peutz-Jeghers)
Arkansas (The Laboratory of Pathology, P.A.) - Peutz-Jeghers polyp
Georgia, Atlanta - Hamartomatous/Peutz-Jeghers polyp
Idaho, Boise - Peutz-Jeghers polyp
Illinois, Oak Brook - Peutz-Jeghers polyp
Kansas (Peterson Laboratory Services) - Peutz-Jeghers polyp
Louisiana, Shreveport (LSU Health Shreveport) - Hamartomatous polyp
Maryland, Baltimore - Peutz-Jeghers polyp
Michigan (Oakwood Hospital) - Hamartomatous polyp, possibly Peutz-Jeghers syndrome
New Mexico, Albuquerque - Hamartomatous polyp
Ohio, Columbus - Jejunum, Peutz/Jeghers polyp
Pennsylvania (Drexel University College of Medicine) - Peutz-Jeghers polyposis
Texas, Victoria - Tubulo-villous adenoma
Canada (Universite de Sherbrook) - Peutz-Jeghers polyp, small bowel
India, Kochi - Peutz-Jegher's polyp of jejunum
The Netherlands, Amstelveen - Peutz-Jeghers polyp

Dx:

Peutz Jeghers polyp, jejunum

Refs:

Morphologic characterization of syndromic gastric polyps.

Am J Surg Pathol 2010 Nov;34(11): p1656-62

Lam-Himlin D; Park JY; Cornish TC; Shi C; Montgomery E

High cancer risk in Peutz-Jeghers syndrome: a systematic review and surveillance recommendations.

Am J Gastroenterol 2010 Jun;105(6): p1258-64; author reply 1265

van Lier MG; Wagner A, et al.

Impaired gastric gland differentiation in Peutz-Jeghers syndrome.

Am J Pathol 2010 May;176(5): p2467-76

Udd L; Katajisto P, et al.

Colo-colonic intussusception caused by a solitary Peutz-Jeghers polyp.

Br J Radiol 2005 Nov;78(935): p1047-9
Jaremko JL; Rawat B

Peutz-Jeghers-type hamartomatous polyp in a patient without Peutz-Jeghers syndrome.

Gastrointest Endosc 2004 Aug;60(2): p316-7
Lantz H; Doos WG; Affi A

A solitary Peutz-Jeghers-type hamartomatous polyp in the duodenum. A case report including results of mutation analysis.

Digestion 2004;69(2): p79-82
Kitaoka F; Shiogama T, et al.

Case 2:

A 51 y/o man presented with vomiting, an enlarged abdomen, and an absence of bowel movements. He was felt to be obstructed and a partial small bowel resection was performed. A 17 segment of small bowel was removed. It had a diffusely thickened wall up to 1 cm.

Santa Barbara (Miramonte Laboratory) - Lymphangioma

Santa Rosa (Santa Rosa Memorial Hospital) - Neuronal dysplasia/Diffuse ganglioneuromatosis/Neuronal dysplasia

Woodland Hills (Kaiser Permanente) - Crohns disease

Arkansas (The Laboratory of Pathology, P.A.) - Cronkite candida polyps

Georgia, Atlanta - Changes suggestive of Crohns disease

Idaho, Boise - Ganglioneuromatosis

Illinois, Oak Brook - Ganglioneuromatosis

Kansas (Peterson Laboratory Services) - Neuromuscular and vascular hamartoma

Louisiana, Shreveport (LSU Health Shreveport) - Crohn disease

Maryland, Baltimore - Ganglioneuromatosis (vs. "diaphragm disease")

Michigan (Oakwood Hospital) - Chronic enteritis, possibly Crohns

New Mexico, Albuquerque - Neuromuscular and vascular hamartoma

Ohio, Columbus - Small bowel, Ganglioneuromatosis

Pennsylvania (Drexel University College of Medicine) - Chronic ischemic changes vs. Crohns

Texas, Victoria - IBD

Canada (Universite de Sherbrook) - Small bowel hamartoma

India, Kochi - Diffuse intestinal ganglioneuromatosis of small intestine

The Netherlands, Amstelveen - Ganglioneuromatosis

Dx:

Diffuse intestinal ganglioneuromatosis, small bowel

Refs:

Diffuse ganglioneuromatosis in small intestine associated with neurofibromatosis type 1.

Ann Diagn Pathol 2009 Feb;13(1): p50-4
Thway K; Fisher C

Diffuse intestinal ganglioneuromatosis mimicking Crohn's disease.

AJR Am J Roentgenol 2004 May;182(5): p1166-8

Charagundla SR; Levine MS, et al.

Ganglioneuromatosis: an unusual cause of ileal stricture mimicking Crohn's disease.

Dig Dis Sci 2007 Aug;52(8): p1806-9

Lorenceanu-Savale C; Savoye G, et al.

Adult transmural intestinal ganglioneuromatosis is not always associated with multiple endocrine neoplasia or neurofibromatosis: a case report.

J Clin Pathol 2007 Feb;60(2): p222-3

Ledwidge SF; Moorghen M; Longman RJ; Thomas MG

Hamartomatous polyps of the colon: ganglioneuromatous, stromal, and lipomatous.

Arch Pathol Lab Med 2006 Oct;130(10): p1561-6

Chan OT; Haghighi P

Case 3:

A 72 y/o man was admitted after being found unresponsive at home. His past history included alcoholism, hypertension, cigarette smoking and chronic lung disease. He died six hours after admission, with pre-mortem urine cultures growing E. coli. The cause of death was felt to be sepsis due to acute pyelonephritis. The liver showed multiple 0.1 to 0.2 cm yellow-white nodules "scattered throughout". Your slide is from one of these areas.

Santa Barbara (Miramonte Laboratory) - Bile duct hamartoma

Santa Rosa (Santa Rosa Memorial Hospital) - Bile duct proliferation r/o obstruction (2), Von Meyenburg complexes (biliary microhamartomas)

Woodland Hills (Kaiser Permanente) - Chronic passive congestion with centrilobular necrosis

Arkansas (The Laboratory of Pathology, P.A.) - Congenital hepatic fibrosis

Georgia, Atlanta - Ascending cholangitis

Idaho, Boise - Congenital hepatic fibrosis

Illinois, Oak Brook - Von Meyenburg complex

Kansas (Peterson Laboratory Services) - Peliosis

Louisiana, Shreveport (LSU Health Shreveport) - Cholangitis

Maryland, Baltimore - Congenital hepatic fibrosis

Michigan (Oakwood Hospital) - Bile duct hamartomas

New Mexico, Albuquerque - Ascending cholangitis

Ohio, Columbus - Liver Portal fibrosis

Pennsylvania (Drexel University College of Medicine) - Cholangioadenomatosis

Texas, Victoria - BILLN

Canada (University de Sherbrook) - Acute cholangitis, Liver

India, Kochi - Congenital hepatic fibrosis of liver

The Netherlands, Amstelveen - Proliferative Bile ducts??

Dx:

Congenital hepatic fibrosis, liver

Refs:

Rapid evolution of congenital hepatic fibrosis after liver transplantation for acute liver failure: the potential role of extrahepatic factors.

Liver Transpl 2008 May;14(5): p660-4
Flores J; Arnon R; Morotti RA, et al.

Matrix proteins of basement membrane of intrahepatic bile ducts are degraded in congenital hepatic fibrosis and Caroli's disease.
J Pathol 2009 Feb;217(3): p442-51
Yasoshima M; Sato Y, et al.

Autosomal recessive polycystic kidney disease and congenital hepatic fibrosis (ARPKD/CHF) .
Pediatr Radiol 2009 Feb;39(2): p100-11
Turbeky B; Ocak I, et al.

Case 4:

A 58 y/o mildly obese mother of 8 presented with a one month history of post-prandial epigastric pain which radiated to the back and was associated with nausea, but no vomiting. Ultrasound showed fatty changes of the liver, gallstones, a thickened gallbladder wall and dilation of the extrahepatic common duct. She had minimal right upper quadrant tenderness with no palpable mass. A cholecystectomy was performed, and showed a 10.7 x 3.8 cm gallbladder with ten yellow calculi. The mucosa was thickened proximally, and thinned and granular appearing more distally.

Santa Barbara (Miramonte Laboratory) - Chronic cholecystitis
Santa Rosa (Santa Rosa Memorial Hospital) - Gallbladder dysplasia r/o camisita with microinvasion / Epithelial dysplasia of gallbladder / Gallbladder mucosal high grade dysplasia/ Adenocarcinoma in-situ
Woodland Hills (Kaiser Permanente) - Low grade dysplasia
Arkansas (The Laboratory of Pathology, P.A.) - High grade dysplasia
Georgia, Atlanta - Biliary papillomatosis
Idaho, Boise - High grade dysplasia
Illinois, OakBrook - Chronic cholecystitis
Kansas (Peterson Laboratory Services) - Adenoma with high grade dysplasia
Louisiana, Shreveport (LSU Health Shreveport) - Well differentiated adenocarcinoma
Maryland, Baltimore - Chronic focally active cholecystitis and cholelithiasis with focal low grade dysplasia
Michigan (Oakwood Hospital) - Gallbladder hyperplasia
New Mexico, Albuquerque - Acute and chronic cholecystitis
Ohio, Columbus - Gallbladder, acute and chronic inflammation, epithelial atypia
Pennsylvania (Drexel University College of Medicine) - Tubulo-papillary neoplasm of gallbladder
Texas, Victoria - Papillary adenoma with dysplasia
Canada (University de Sherbrook) - Lith-associated follicular cholecystitis, gallbladder
India, Kochi - High grade dysplasia of gallbladder
The Netherlands, Amstelveen - Adenocarcinoma in-situ gallbladder

Dx:

High grade dysplasia, gallbladder

Refs:

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.

Neoplastic precursors of the gallbladder and extrahepatic biliary system.

Gastroenterol Clin North Am 2007 Dec;36(4): p889-900, vii

Adsay NV

Prevalence and risk factors for gallbladder neoplasia in patients with primary sclerosing cholangitis: evidence for a metaplasia-dysplasia-carcinoma sequence.

Am J Surg Pathol 2007 Jun;31(6): p907-13

Lewis JT; Talwalkar JA, et al.

Adenomatous hyperplasia of the gallbladder.

J Natl Med Assoc 2007 Aug;99(8): p959-61

Stokes MC; Burnette R, et al.

Histological alterations of gallbladder mucosa and selected clinical data in young patients with symptomatic gallstones.

Pol J Pathol 2011;62(1): p41-9

Kasprzak A; Malkowski W, et al.

Case 5:

A 36 y/o woman with a history of gastroesophageal reflux complained of nausea, vomiting and epigastric pain for the day prior to admission. She also reported pain radiating to her back. She did not have diarrhea or hematemesis and denied alcohol use. Her ultrasound was negative for gallbladder thickening, sludge, stones or biliary distention. A CT scan of the abdomen was consistent with pancreatitis. A laparoscopic cholecystectomy was performed. The gallbladder measured 10.5 x 4.0 x 1.5 cm. 80% of the distal portion of the mucosa was replaced by a polypoid mass which had a white-tan cut surface. Other areas of mucosa showed "sessile lesions".

Santa Barbara (Miramonte Laboratory) - Adenocarcinoma

Santa Rosa (Santa Rosa Memorial Hospital) - Adenocarcinoma in situ of gallbladder (2)

Adenocarcinoma with microinvasion

Woodland Hills (Kaiser Permanente) - Adenocarcinoma in situ with foci suspicious for invasion

Arkansas (The Laboratory of Pathology, P.A.) - Adenocarcinoma of the gallbladder

Georgia, Atlanta - Adenocarcinoma of gallbladder

Idaho, Boise - Adenocarcinoma

Illinois, OakBrook - Adenocarcinoma

Kansas (Peterson Laboratory Services) - Adenocarcinoma

Louisiana, Shreveport (LSU Health Shreveport) - Adenocarcinoma

Maryland, Baltimore - At least focally microinvasive adenocarcinoma arising in diffuse carcinoma in situ

Michigan (Oakwood Hospital) - Gallbladder dysplasia

New Mexico, Albuquerque - Adenocarcinoma

Ohio, Columbus - Gallbladder, adenocarcinoma

Pennsylvania (Drexel University College of Medicine) - Adenocarcinoma in situ, gallbladder

Texas, Victoria - Adenocarcinoma, GB

Canada (Universite de Sherbrook) - Gallbladder carcinoma in situ

India, Kochi - Adenocarcinoma of gallbladder

The Netherlands, Amstelveen - AIS and invasive adenocarcinoma

Dx:

Adenocarcinoma, gallbladder

Refs:

Hyperplastic Luschka ducts: a mimic of adenocarcinoma in the gallbladder fossa.

Am J Surg Pathol 2011 Jun;35(6): p883-90

Singhi AD; Adsay NV, et al.

Cytokeratin 7 and 20 expression in gallbladder carcinoma.

Pol J Pathol 2011;62(1): p25-30

Kalekou H; Miliaras D

Hepatoid adenocarcinoma of the gallbladder: a mimicker of hepatocellular carcinoma.

Br J Radiol 2007 Dec;80(960): pe317-20

van den Bos IC; Hussain SM, et al.

Morule-like features and tumor-associated lymphoid proliferation in gallbladder carcinoma.

Ann Diagn Pathol 2008 Dec;12(6): p430-2

Sakai Y; Sano S; Koike H

Adenosquamous/squamous cell carcinoma of the gallbladder.

J Surg Oncol 2007 Feb 1;95(2): p129-34

Chan KM; Yu MC, et al.

Hyalinizing cholecystitis and associated carcinomas: clinicopathologic analysis of a distinctive variant of cholecystitis with porcelain-like features and accompanying diagnostically challenging carcinomas.

Am J Surg Pathol 2011 Aug;35(8): p1104-13

Patel S; Roa JC, et al.

Signet ring cell carcinoma of the gallbladder in a 22-year-old man: a case report and review of the literature.

Int J Surg Pathol 2010 Oct;18(5): p358-62

Czyszczon IA; Alatassi H

Case 6:

A 67 y/o man developed a 5.5 cm pancreatic mass. Upon excision it was focally scirrhous, multicystic, and mildly mucinous. It was also pink-white.

Santa Barbara (Miramonte Laboratory) - Microcystic adenoma

Santa Rosa (Santa Rosa Memorial Hospital) - Serous microcystic adenoma (3)

Woodland Hills (Kaiser Permanente) - Serous cystadenoma

Arkansas (The Laboratory of Pathology, P.A.) - Serous microcystic adenoma

Georgia, Atlanta - Serous microcystic adenoma

Idaho, Boise - Microcystic adenoma

Illinois, Oak Brook - Microcystic serous cystadenoma

Kansas (Peterson Laboratory Services) - Serous cystadenoma

Louisiana, Shreveport (LSU Health Shreveport) - Multicystic cystadenoma

Maryland, Baltimore - Serous cystadenoma

Michigan (Oakwood Hospital) - Serous microcystic adenoma

New Mexico, Albuquerque - Microcystic cystadenoma

Ohio, Columbus - Pancreas, microcystic adenoma
Pennsylvania (Drexel University College of Medicine) - Microcystic serous cystadenoma
Texas, Victoria - Serous microcystic cystadenoma
Canada (University de Sherbrook) - Serous cystadenoma, pancreas
India, Kochi - Serous microcystic cystadenoma of pancreas
The Netherlands, Amstelveen - Serous cystadenoma

Dx:

Pancreatic serous microcystic cystadenoma

Refs:

Serous cystadenoma in communication with the pancreatic duct: an unusual radiologic and pathologic entity.

J Clin Gastroenterol 2010 Jul;44(6): p133-5

Berman L; Mitchell KA; Israel G; Salem RR

Coexistence of serous cystadenoma and ductal adenocarcinoma in the pancreas: a case report.

Pancreas 2008 Mar;36(2): p218-9

Nitta H; Hirota M, et al.

Serous cystadenoma of the pancreas: limitations and pitfalls of endoscopic ultrasound-guided fine-needle aspiration biopsy.

Cancer 2008 Apr 25;114(2): p102-10

Belsley NA; Pitman MB, et al.

Tumor size and location correlate with behavior of pancreatic serous cystic neoplasms.

Am J Gastroenterol 2011 Aug;106(8): p1521-6

Khashab MA; Shin EJ, et al.

Pancreatic cystic neoplasms.

Surg Clin North Am 2010 Apr;90(2): p411-25

Verbesey JE; Munson JL

Pancreatic incidentalomas: clinical and pathologic spectrum.

Am J Surg 2008 Mar;195(3): p329-32; discussion 332

Bruzoni M; Johnston E; Sasson AR

Case 7:

A 4 month old girl was referred for evaluation of an enlarged liver. She was a product of a normal pregnancy and had had normal development. She had diarrhea for 2-3 months before presentation. There was an 8 cm mass in the right upper quadrant of the abdomen extending past the midline. The serum alpha-fetoprotein was 23,000. The left hepatic lobe was excised.

Santa Barbara (Miramonte Laboratory) - Hepatoblastoma

Santa Rosa (Santa Rosa Memorial Hospital) - Hepatoblastoma (3)

Woodland Hills (Kaiser Permanente) - Hepatoblastoma

Arkansas (The Laboratory of Pathology, P.A.) - Hepatoblastoma

Georgia, Atlanta - Hepatoblastoma

Idaho, Boise - Hepatoblastoma

Illinois, OakBrook - Hepatoblastoma

Kansas (Peterson Laboratory Services) - Hepatoblastoma
Louisiana, Shreveport (LSU Health Shreveport) - Hepatoblastoma
Maryland, Baltimore - Hepatoblastoma
Michigan (Oakwood Hospital) - Hepatoblastoma, fetal type
New Mexico, Albuquerque - Hepatoblastoma
Ohio, Columbus – Liver, left lobe - hepatoblastoma
Pennsylvania (Drexel University College of Medicine) - Hepatoblastoma
Texas, Victoria - Hepatoblastoma
Canada (Universite de Sherbrook) - Hepatoblastoma, liver
India, Kochi - Hepatoblastoma of liver
The Netherlands, Amstelveen - Hepatoblastoma

Dx:

Hepatoblastoma, liver

Refs:

Complete surgical resection is curative for children with hepatoblastoma with pure fetal histology: a report from the Children's Oncology Group.

J Clin Oncol 2011 Aug 20;29(24): p3301-6

Malogolowkin MH; Katzenstein HM, et al.

Histologic subtypes of hepatoblastoma are characterized by differential canonical Wnt and Notch pathway activation in DLK+ precursors.

Hum Pathol 2009 Jun;40(6): p783-94

Lopez-Terrada D; Gunaratne PH, et al.

Expression of glypican 3 in hepatoblastoma: an immunohistochemical study of 65 cases.

Hum Pathol 2008 Feb;39(2): p224-30

Zynger DL; Gupta A, et al.

Features predicting unresectability in hepatoblastoma.

Cancer 2007 Sep 1;110(5): p1050-8

D'Antiga L; Vallortigara F, et al.

Birth characteristics and hepatoblastoma risk in young children.

Cancer 2004 Mar 1;100(5): p1070-6

Reynolds P; Urayama KY, et al.

Fine needle aspiration cytology of hepatoblastoma: a study of 20 cases.

Indian J Pathol Microbiol 2005 Jul;48(3): p331-6

Parikh B; Jojo A, et al.

Hepatoblastoma: cytomorphologic characteristics in serous cavity fluids.

Cancer 2002 Oct 25;96(5): p267-74

Weir EG; Ali SZ

Case 8:

A 57 y/o woman was admitted with anemia secondary to 4 prior episodes of bright red

bleeding per rectum. A mesenteric arteriogram revealed a bleeding site in the descending colon and a barium enema showed diverticulosis. The bleeding was felt to be secondary to diverticulosis. A subtotal colectomy was performed, during which a 2 cm, well-demarcated firm, round tumor was resected from the inferior edge of the right lobe of the liver.

Santa Barbara (Miramonte Laboratory) - Hepatoblastoma
Santa Rosa (Santa Rosa Memorial Hospital) - Malignant c/w hepatocellular carcinoma (2)/
Atypical biliary adenofibroma
Woodland Hills (Kaiser Permanente) - Ectopic adrenal cortical tissue in the liver
Arkansas (The Laboratory of Pathology, P.A.) - Hepatocellular carcinoma
Georgia, Atlanta - Cholangiocarcinoma
Idaho, Boise - Hepatocellular carcinoma
Illinois, Oak Brook - Hepatocellular carcinoma
Kansas (Peterson Laboratory Services) - Hepatocellular carcinoma
Louisiana, Shreveport (LSU Health Shreveport) - Hepatocellular carcinoma, fibrolamellar variant
Maryland, Baltimore - Hepatocellular carcinoma
Michigan (Oakwood Hospital) - Metastatic carcinoid
New Mexico, Albuquerque - Cholangiocarcinoma
Ohio, Columbus - Liver right lobe carcinoma
Pennsylvania (Drexel University College of Medicine) - Moderately differentiated
adenocarcinoma or metastatic neuroendocrine tumor
Texas, Victoria - Hepatocellular carcinoma
Canada (University de Sherbrook) - Hepatocarcinoma, liver
India, Kochi - Hepatocellular carcinoma of liver
The Netherlands, Amstelveen - Hepatocellular carcinoma

Dx:

Hepatocellular carcinoma

Refs:

Hepatocellular carcinoma and liver tumors in South African children:
a case for increased prevalence.
Cancer 2004 Aug 1;101(3): p642-9
Moore SW; Millar AJ, et al.

Clinical characteristics and prognosis of pediatric hepatocellular
carcinoma.

World J Surg 2006 Jan;30(1): p43-50
Yu SB; Kim HY, et al.

Diabetes and hepatocellular carcinoma.
Hepatology 2006 Dec;44(6): p1408-10
Beasley RP

Hepatocellular carcinoma and non-Hodgkin's lymphoma: the roles of
HIV, hepatitis C infection, and alcohol abuse.
J Clin Oncol 2006 Nov 1;24(31): p5005-9
McGinnis KA; Fultz SL, et al.

Serum markers of hepatocellular carcinoma.
Semin Liver Dis 2006 Nov;26(4): p385-90
Spangenberg HC; Thimme R; Blum HE

Alpha-fetoprotein and hepatocellular carcinoma.

Am J Gastroenterol 2006 Aug;101(8): p1939; author reply 1940-1
Colli A; Fraquelli M; Conte D

Immunohistochemical analysis in hepatocellular carcinoma: does age matter?

Am J Clin Pathol 2005 Oct;124(4): p491-3
Yeh MM

Case 9:

2 yr-old girl with an obstructive mass in the common bile duct. Liver bile ducts were dilated. Pre-op dx was choledochal cyst type 4 with pancytopenia. At surgery extensive tumor was found with the bile duct system.

Desmin - sparse and focal +

Myogenin - positive

S100 - negative

CAM 5.2 - positive only in lining cells

PAS - positive and negative with diastase

Santa Barbara (Miramonte Laboratory) - Rhabdomyosarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Sarcoma, NOS (2)/ Embryonal rhabdomyosarcoma

Woodland Hills (Kaiser Permanente) - Undifferentiated embryonal carcinoma

Arkansas (The Laboratory of Pathology, P.A.) - Rhabdomyosarcoma

Georgia, Atlanta - Sarcoma boytrides (embryonal rhabdomyosarcoma)

Idaho, Boise - Favor rhabdomyosarcoma

Illinois, Oak Brook - Embryonal rhabdomyosarcoma

Kansas (Peterson Laboratory Services) - Rhabdomyosarcoma

Louisiana, Shreveport (LSU Health Shreveport) - Rhabdomyosarcoma

Maryland, Baltimore - Embryonal Rhabdomyosarcoma

Michigan (Oakwood Hospital) - Botryoid Rhabdomyosarcoma

New Mexico, Albuquerque - Embryonal Rhabdomyosarcoma

Ohio, Columbus - Common bile duct, rhabdomyosarcoma

Pennsylvania (Drexel University College of Medicine) - Embryonal Rhabdomyosarcoma

Texas, Victoria - Embryonal Rhabdomyosarcoma, bile duct

Canada (University de Sherbrook) - Rhabdomyosarcoma, bile duct

India, Kochi - Rhabdomyosarcoma of common bile duct

The Netherlands, Amstelveen - Rhabdomyosarcoma

Dx:

Rhabdomyosarcoma, common bile duct

Refs:

Embryonal rhabdomyosarcoma in a 3-year-old child diagnosed at ERCP: case report and review.

Gastrointest Endosc 2002 Sep;56(3): p445-7

Hunt GC; Corless CL; Terry AB; Katon RM

An intraluminal lesion in the mid-common bile duct and right hepatic duct causing right portal vein obstruction.

J Hepatol 2004 Dec;41(6): p1060

Ball CG; Gmora S; Vollmer CM; Dixon E

Long term survival in two children with rhabdomyosarcoma of the biliary tract.

Klin Padiatr 2008 Nov-Dec;220(6): p378-9

Huber J; Sovinz P, et al.

[Cholestasis caused by a choledochal botryoid rhabdomyosarcoma in a 22-month-old boy]

Ann Pathol 2008 Feb;28(1): p45-8

Sassi SH; Charfi L, et al.

Case 10:

A 53 y/o man was admitted because of jaundice, ankle edema, and ascites for one week. He had consumed two six-packs of beer per day for many years. He had weakness and fatigue for six months, anorexia and nausea for two months, and a 10 lb. weight loss over 4 months. Two liver biopsies in the month before admission showed cirrhosis. PE showed a 17 cm liver span in the mid-clavicular line. The BUN was 80, with total protein 5.8, albumin 2.3, total bilirubin 17.1 and direct bilirubin 7.0. He experienced progressive electrolyte problems and died 2 1/2 weeks after admission. An autopsy showed a 2300 gram liver with ill-defined tan to yellow nodules.

Santa Barbara (Miramonte Laboratory) - Angiosarcoma

Santa Rosa (Santa Rosa Memorial Hospital) - Hepatocellular carcinoma r/o fibrolamellar type/

Angiosarcoma/Hepatocellular carcinoma, pleomorphic

Woodland Hills (Kaiser Permanente) - Angiosarcoma

Arkansas (The Laboratory of Pathology, P.A.) - Angiosarcoma

Georgia, Atlanta - Angiosarcoma

Idaho, Boise - Angiosarcoma

Illinois, Oak Brook - Angiosarcoma

Kansas (Peterson Laboratory Services) - Angiosarcoma

Louisiana, Shreveport (LSU Health Shreveport) - Angiosarcoma

Maryland, Baltimore - High grade Angiosarcoma

Michigan (Oakwood Hospital) - Angiosarcoma

New Mexico, Albuquerque - Angiosarcoma

Ohio, Pennsylvania - Liver angiosarcoma

Pennsylvania (Drexel University College of Medicine) - Angiosarcoma

Texas, Victoria - Angiosarcoma

Canada (University de Sherbrook) - Cholangiocarcinoma, liver

India, Kochi - Angiosarcoma of liver

The Netherlands, Amstelveen - HCC

Dx:

Angiosarcoma, liver

Refs:

Benign and malignant vascular tumors of the liver in adults.

Semin Liver Dis 2008 Aug;28(3): p302-14

Bioulac-Sage P; Laumonier H, et al.

Vinyl chloride and the liver.

J Hepatol 2009 Dec;51(6): p1074-81

Sherman M

A case of hepatic angiosarcoma surviving for more than 16 months after hepatic resection.

Hepatogastroenterology 2007 Mar;54(74): p533-5

Arima-Iwasa S; Chijiiwa K, et al.

Hepatic angiosarcoma arising in an adult mesenchymal hamartoma.

Indian J Pathol Microbiol 2010 Apr-Jun;53(2): p322-4

Kulkarni MP; Agashe SR, et al.

Hepatic angiosarcoma: a rare liver tumor in a hemodialysis patient.

Clin Nephrol 2009 May;71(5): p590-2

Matsumoto M; Tamura M, et al.