

California Tumor Tissue Registry's
Subscription "C" – Vol. 5(6)
March, 2012

"Gastrointestinal Pathology"

Case 1:

An 84 y/o man with persistent dysphagia had undergone multiple upper endoscopies with biopsies with had consisted of normal mucosa or ulcerated tissue. A repeat exam found a stricture in the lower esophagus. In this area the mucosa was friable and edematous. Multiple biopsies were obtained.

Dx:

Esophagitis dissecans superficialis

Santa Barbara (Miramonte Laboratory) - Peptic ulcer

Santa Rosa (Santa Rosa Memorial Hospital) - Gastroesophagitis consistent with Barretts esophagus (1);

Reflux esophagitis with ulceration (1); Marked gastroesophagitis with Barretts metaplasia (1)

Woodland Hills (Kaiser Permanente) - Reflux esophagitis

Alabama, Birmingham - Acute esophagitis with focal ulceration and reactive squamous hyperplasia

Alabama (Norwood Clinic) - Reflux esophagitis

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

Georgia, Atlanta - Reflux esophagitis

Idaho, Boise - Esophagitis

Kansas (Coffeyville Regional Medical Center) - Atypical squamous hyperplasia

Kansas (Peterson Laboratory Services) - Erosive esophagitis (2)

Maryland, Baltimore - Candida esophagitis

Michigan (Oakwood Hospital) - Suspicious for verrucous carcinoma

New Mexico, Albuquerque - Atypical squamous hyperplasia with activity; rule out organisms (need stains)

New York, Rye Brook - Nonspecific esophagitis with ulceration

Pennsylvania (Conemaugh Memorial Medical Center) - Verrucous carcinoma of the esophagus

Canada (Pasqua Hospital) - Esophagitis with ulceration

Hong Kong (Hong Kong Baptist Hospital) - Ectopic gastric mucosa

India, Kochi - Esophagitis

The Netherlands, Amstelveen - Benign inflammation Barretts

Refs:

Esophagitis dissecans superficialis ("sloughing esophagitis"): a clinicopathologic study of 12 cases.

Am J Surg Pathol 2009 Dec;33(12): p1789-94

Carmack SW; Vemulapalli R; Spechler SJ; Genta RM

Oesophagitis dissecans superficialis complicating repeated rigid oesophagoscopy and dilatation.

J Laryngol Otol 2007 Jan;121(1): p92-3

Ramaswami G; Jain PK; Talati VR

Esophagitis dissecans presenting with halitosis.

Endoscopy 2010;42 Suppl 2:E21

Robles I; Saenz R

Esophagitis desiccans superficialis with bulla in chronic renal failure: a case report.

Gastrointest Endosc 2001 Aug;54(2): p256-8

Devarbhavi H; Alvares JF

An uncommon cause of esophagitis. Answer to the clinical challenges and images in GI question: image 1: esophageal hyperkeratosis secondary to vitamin A deficiency.

Gastroenterology 2010 Aug;139(2): pe6-7

Herring W; Nowicki MJ; Jones JK

Case 2

A 37 y/o man with history of asthma, currently well controlled, complained of dysphagia. An EGD showed multiple esophageal rings resembling those seen in eosinophilic esophagitis.

Dx:

Eosinophilic esophagitis

Santa Barbara (Miramonte Laboratory) - Eosinophilic esophagitis

Santa Rosa (Santa Rosa Memorial Hospital) - Eosinophilic esophagitis (3)

Woodland Hills (Kaiser Permanente) - Eosinophilic esophagitis

Alabama, Birmingham - Eosinophilic esophagitis

Alabama (Norwood Clinic) - Eosinophilic esophagitis

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

Georgia, Atlanta - Eosinophilic esophagitis

Idaho, Boise - Eosinophilic esophagitis

Kansas (Coffeyville Regional Medical Center) - Eosinophilic esophagitis

Kansas (Peterson Laboratory Services) - Eosinophilic esophagitis (2)

Maryland, Baltimore - Eosinophilic esophagitis

Michigan (Oakwood Hospital) - Eosinophilic esophagitis

New Mexico, Albuquerque - Eosinophilic esophagitis

New York, Rye Brook - Eosinophilic esophagitis

Pennsylvania (Conemaugh Memorial Medical Center) - Eosinophilic esophagitis

Canada (Pasqua Hospital) - Eosinophilic esophagitis

Hong Kong (Hong Kong Baptist Hospital) - Amyloidosis

India, Kochi - Eosinophilic esophagitis

The Netherlands, Amstelveen - Eosinophilic esophagitis

Refs:

Do eosinophil numbers differentiate eosinophilic esophagitis from gastroesophageal reflux disease?

Arch Pathol Lab Med 2010 Jun;134(6): p815-25

Genevay M; Rubbia-Brandt L; Rougemont AL

Eosinophilic esophagitis: perspectives of adult and pediatric gastroenterologists.

Dig Dis Sci 2010 Apr;55(4): p973-82

King J; Khan S

Esophageal intraepithelial eosinophils in dysphagic patients with gastroesophageal reflux disease.

Dig Dis Sci 2010 Apr;55(4): p967-72

Ayazi S; Hagen JA, et al.

Celiac disease and eosinophilic esophagitis: a true association.

J Pediatr Gastroenterol Nutr 2010 Apr;50(4): p397-9

Leslie C; Mews C; Charles A; Ravikumara M

An update on the immunopathogenesis of eosinophilic esophagitis.

Expert Rev Gastroenterol Hepatol 2010 Apr;4(2): p141-8

Lucendo AJ; Lucendo B

Food allergy and eosinophilic esophagitis: learning what to avoid.

Cleve Clin J Med 2010 Jan;77(1): p51-9

Hong S; Vogel NM

Case 3

A 69 y/o man with hemoptysis and adenocarcinoma of the lung presented with complaints of intermittent GERD, usually after overeating. The biopsy is from the distal esophagus. A concurrent gastric biopsy showed chemical (reactive) gastropathy. No definite H. pylori was seen.

Dx:

Barrett esophagus with dysplasia

Santa Barbara (Miramonte Laboratory) - Barrett's esophagitis

Santa Rosa (Santa Rosa Memorial Hospital) - Barrett's esophagus indeterminate for dysplasia (2);

Barrett's metaplastic change; no dysplasia (1)

Woodland Hills (Kaiser Permanente) - Barrett's esophagus

Alabama, Birmingham - Barrett's esophagus

Alabama, (Norwood Clinic) - Barrett's esophagus with dysplasia

Arkansas (The Laboratory of Pathology, P.A.) - Barrett's esophagus, no dysplasia

Georgia, Atlanta - Barrett's esophagus with focal high grade dysplasia

Idaho, Boise - Barrett's esophagus with dysplasia

Kansas (Coffeyville Regional Medical Center) - Barrett's esophagus

Kansas (Peterson Laboratory Services) - Barrett's esophagus (2)

Maryland, Baltimore - Barrett's mucosa, distinctive type

Michigan (Oakwood Hospital) - Barrett's mucosa, no definite dysplasia

New Mexico, Albuquerque - Glandular mucosa with intestinal metaplasia consistent with Barrett

Esophagus; no dysplasia seen. Chronic inflammation with activity

New York, Rye Brook - Barrett's esophagus

Pennsylvania (Conemaugh Memorial Medical Center) - Barrett's esophagus

Canada (Pasqua Hospital) - Barrett's esophagus

Hong Kong (Hong Kong Baptist Hospital) - Reflux esophagitis with intestinal metaplasia and pancreatic metaplasia

India, Kochi - Barrett's esophagus

The Netherlands, Amstelveen - Barrett's with dysplasia

Refs:

Introduction: esophagus, dysplasia, and early esophageal

adenocarcinoma: managing the transition.

J Gastrointest Surg 2010 Jun;14(6): p935-6
Sarosi GA

Cryotherapy in the management of esophageal dysplasia and malignancy.
Gastrointest Endosc Clin N Am 2010 Jan;20(1): p75-87, vi-vii
Halsey KD; Greenwald BD

Minimally invasive esophagectomy for Barrett's with high-grade dysplasia and early adenocarcinoma of the esophagus.
J Gastrointest Surg 2010 Jun;14(6): p948-50
Pennathur A; Awais O; Luketich JD

Low-grade dysplasia component in early invasive squamous cell carcinoma of the esophagus.
J Gastroenterol Hepatol 2010 Feb;25(2): p314-8
Shimizu Y; Yoshida T, et al.

Evaluation and treatment of superficial esophageal cancer.
J Gastrointest Surg 2010 Feb;14 Suppl 1:S94-100
De Meester SR

Case 4 (Presented as a CTTR COTM at www.cttr.org, Vol 13(9), June, 2011)
A 74-year-old male presented with worsening gastric pain, and a prior history of *Helicobacter pylori* infection. Two years earlier he had an endoscopic biopsy of the gastric body and antrum which revealed moderate acute and chronic inflammation consisting of a superficial mucosal infiltrate of lymphocytes, plasma cells, neutrophils and scattered eosinophils (slide 4a). A Giemsa stain showed numerous curved bacterial rods present within the gastric crypts and on the surface of the glands (slide 4b). He was treated with the standard triple therapy (omeprazole, metronidazole and clarithromycin) with resolution of dyspepsia. He now presented with a 4 to 5 month history of abdominal pain and anemia. Endoscopic studies revealed a large fundic mass. A biopsy was performed (slide 4c).

Dx:

Burkitt lymphoma of stomach, post-*Helicobacter pylori*

Santa Barbara (Miramonte Laboratory) - Lymphoma
Santa Rosa (Santa Rosa Memorial Hospital) - High grade lymphoma (2); High pylori gastritis, diffuse large cell lymphoma (1)
Woodland Hills (Kaiser Permanente) - Diffuse large B-cell lymphoma/*helicobacter pylori* gastritis
Alabama, Birmingham - High grade lymphoma
Alabama (Norwood Clinic) - Large cell lymphoma
Arkansas (The Laboratory of Pathology, P.A.) - Lymphoma with Burkitt's-like features
Georgia, Atlanta - Diffuse large cell lymphoma arising in background of chronic H pylori gastritis
Idaho, Boise - Burkitt lymphoma
Kansas (Coffeyville Regional Medical Center) - Poorly differentiated adenocarcinoma
Kansas (Peterson Laboratory Services) - High grade lymphoma (1); *Helicobacter heilmannii*, DLBCL (1)
Maryland, Baltimore - Lymphoma, favor Burkitt's vs. large cell
Michigan (Oakwood Hospital) - Chronic active gastritis, with *helicobacter*; Diffuse large cell mature lymphoma, likely B-cell

New Mexico, Albuquerque - Malignant non-Hodgkin's lymphoma, diffuse, large cell pattern (need ancillary studies)
New York, Rye Brook - Malignant lymphoma
Pennsylvania (Conemaugh Memorial Medical Center) - Undifferentiated carcinoma/high grade lymphoma of the stomach
Canada (Pasqua Hospital) - H pylori gastritis and lymphoma
Hong Kong (Hong Kong Baptist Hospital) - Burkitt's lymphoma
India, Kochi - Burkitt's lymphoma of stomach
The Netherlands, Amstelveen - Diffuse large B-cell lymphoma

Refs:

Swerdlow SH, Campo E, Harris NL, Jaffe ES, Pileri SA, Stein H, Thiele N, Vardiman JW, Eds. WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues. Lyon, France: IARC; 2008.

Grewal SS, Hunt JP, O'Connor SC, Gianturco LE, Richardson MW, Lehmann LE. *Helicobacter pylori* associated gastric burkitt lymphoma. *Pediatr Blood Cancer*. 2007;10:888-890.

Shannon C, Vickers C, Field A, Ward R. Burkitt's lymphoma associated with *Helicobacter pylori*. *Journal of Gastroenterology and Hepatology*. 2000;15:99-103.

Perkins AS and Friedberg JW. Burkitt lymphoma in adults. *Hematology*. 2008;341-348

Andoh A, Takaya H, Bamba M, Sakumoto H, Inoue T, Tujikawa T, Koyama S, Fujiyama Y, Bamba T. Primary gastric burkitt's lymphoma presenting with c-myc gene rearrangement. *J Gastroenterol*. 1998;33:710-715.

Moschovi M, Menegas D, Stefanaki K, Constantinidou CVV, Tzortzatou-Stathopoulou F. Primary gastric burkitt lymphoma in childhood: associated with helicobacter pylori? *Med Pediatr Oncol*. 2003;41:444-447.

Case 5

A 38 y/o woman was found to have a duodenal polyp. It was resected via endoscopy.

Dx:

Peutz-Jeghers hamartomatous polyp, duodenum

Santa Barbara (Miramonte Laboratory) - Hamartomatous polyp
Santa Rosa (Santa Rosa Memorial Hospital) - Peutz Jeghers polyp (3)
Woodland Hills (Kaiser Permanente) - Hamartomatous polyp/Peutz-Jeghers type
Alabama, Birmingham - Peutz Jeghers polyp
Alabama (Norwood Clinic) - Peutz Jegher polyp
Arkansas (The Laboratory of Pathology, P.A.) - Hamartomatous polyp
Georgia, Atlanta - Peutz Jegher polyp
Idaho, Boise - Hamartomatous polyp, Peutz-Jeghers type
Kansas (Coffeyville Regional Medical Center) - Adenomatous polyp

Kansas (Peterson Laboratory Services) - Hamartomatous polyp consistent with Peutz-Jegher polyp (1);
Hyperplastic polyp (1)
Maryland, Baltimore - Peutz-Jeghers polyp
Michigan (Oakwood Hospital) - Hamartomatous polyp, possibly Peutz-Jegher type
New Mexico, Albuquerque - Hamartomatous polyp, consistent with Peutz-Jeghers
New York, Rye Brook - Hamartomatous polyp
Pennsylvania (Conemaugh Memorial Medical Center) - Peutz-Jeghers polyp of the duodenum
Canada (Pasqua Hospital) - Peutz-Jegher's polyp
Hong Kong (Hong Kong Baptist Hospital) - Peutz-Jeghers polyp
India, Kochi - Peutz-Jegher hamartomatous polyp of duodenum
The Netherlands, Amstelveen - Peutz-Jeghers hamartomatous polyp

Refs:

Three cases of Solitary Peutz-Jeghers-type hamartomatous polyp in the duodenum.

World J Gastroenterol 2008 Feb 14;14(6): p944-7

Suzuki S; Hirasaki S, et al.

Do sporadic Peutz-Jeghers polyps exist? Experience of a large teaching hospital.

Am J Surg Pathol 2007 Aug;31(8): p1209-14

Burkart AL; Sheridan T, et al.

Multiple intestinal intussusceptions in Peutz-Jeghers' syndrome: a case report.

Acta Chir Belg 2010 Jan-Feb;110(1): p93-4

Basak F; Kinaci E, et al.

Mucosal prolapse in the pathogenesis of Peutz-Jeghers polyposis.

Gut 2006 Jan;55(1): p1-5

Jansen M; de Leng WW, et al.

Truncating mutations in Peutz-Jeghers syndrome are associated with more polyps, surgical interventions and cancers.

Int J Colorectal Dis 2010 Jan;25(1): p97-107

Salloch H; Reinacher-Schick A, et al.

Sertoli Leydig cell ovarian tumour and gastric polyps as presenting features of Peutz-Jeghers syndrome.

Pediatr Blood Cancer 2010 Jul 15;55(1): p206-7

Howell L; Bader A, et al.

Case 6

A 53 y/o man was admitted with 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 three to four months. Two liver biopsies in the month before admission showed cirrhosis. Liver-spleen scan showed non-uniform hepatic uptake, and ultrasound showed portal hypertension. He had no hepatitis exposure or previous jaundice. His liver span was 17 cm in the mid-clavicular line. In the hospital, he experienced progressive electrolyte in-balance and died 2 1/2 weeks after admission. Autopsy found

a 2300 gram liver, with ill-defined tan to yellow nodules. Portal vein thrombi were present.

Dx:

Angiosarcoma, liver

Santa Barbara (Miramonte Laboratory) - Angiosarcoma
Santa Rosa (Santa Rosa Memorial Hospital) - Angiosarcoma (3)
Woodland Hills (Kaiser Permanente) - Angiosarcoma
Alabama, Birmingham - Angiosarcoma
Alabama (Norwood Clinic) - Angiosarcoma
Arkansas (The Laboratory of Pathology, P.A.) - Angiosarcoma
Georgia, Atlanta - Massive hepatic necrosis
Idaho, Boise - Angiosarcoma
Kansas (Coffeyville Regional Medical Center) - Hepatocarcinoma
Kansas (Peterson Laboratory Services) - Angiosarcoma (2)
Maryland, Baltimore - Angiosarcoma
Michigan (Oakwood Hospital) - Massive necrosis
New Mexico, Albuquerque - Histologic features consistent with venous outflow obstruction, extensive fibrosis present
New York, Rye Brook - Angiosarcoma
Pennsylvania (Conemaugh Memorial Medical Center) - Angiosarcoma of the liver
Canada (Pasqua Hospital) - Angiosarcoma
Hong Kong (Hong Kong Baptist Hospital) - Angiosarcoma
India, Kochi - Angiosarcoma of liver
The Netherlands, Amstelveen - Angiosarcoma

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

Hepatic angiosarcoma and liver transplantation: case report and literature review.
Transplant Proc 2005 Jun;37(5): p2195-9
Maluf D; Cotterell A, et al.

Angiosarcomas, a heterogeneous group of sarcomas with specific behavior depending on primary site: a retrospective study of 161 cases.
Ann Oncol 2007 Dec;18(12): p2030-6
Fayette J; Martin E, et al.

Multiple cutaneous infantile hemangiomas associated with hepatic angiosarcoma: case report and review of the literature.
Pediatrics 2006 Sep;118(3): pe907-13
Nord KM; Kandel J, et al.

Epithelioid angiosarcoma.
Acta Cytol 2010 Jan-Feb;54(1): p109-12

Ceyhan K; Percinel S, et al.

Case 7

A 62 y/o man was found to have a polyp in the transverse colon on screening colonoscopy. It was a 2.3 gram, 2 x 1.5 x 1 cm mushroom-shaped polyp with a mucosal lining on one surface. The cut section showed a homogenous yellow cut surface.

Dx:

Colonic lipoma, transverse colon

Santa Barbara (Miramonte Laboratory) - Lipoma
Santa Rosa (Santa Rosa Memorial Hospital) - Submucosal lipoma (3)
Woodland Hills (Kaiser Permanente) - Submucosal lipoma
Alabama, Birmingham - Submucosal lipoma
Alabama (Norwood Clinic) - Lipoma, submucosal
Arkansas (The Laboratory of Pathology, P.A.) - Submucosa lipoma
Georgia, Atlanta - Submucosal lipoma
Idaho, Boise - Lipoma
Kansas (Coffeyville Regional Medical Center) - Submucosal lipoma
Kansas (Peterson Laboratory Services) - Submucosal lipoma (2)
Maryland, Baltimore - Submucosal lipoma
Michigan (Oakwood Hospital) - Submucosal lipoma
New Mexico, Albuquerque - Submucosal lipoma
New York, Rye Brook - Lipoma
Pennsylvania (Conemaugh Memorial Medical Center) - Lipoma of the colon
Canada (Pasqua Hospital) - Lipoma
Hong Kong (Hong Kong Baptist Hospital) - Submucosal lipoma
India, Kochi - Lipoma of transverse colon
The Netherlands, Amstelveen - Lipoma

Refs:

Ileocolocolic intussusception secondary to a submucosal lipoma: an unusual cause of intermittent abdominal pain in a 62-year-old woman.
J Clin Ultrasound 2010 Jan;38(1): p48-51
Kuzmich S; Connelly JP, et al.

Giant colonic lipoma.
Surgery 2010 May;147(5): p750
Kaiser AM

Large colonic lipoma mimicking colon cancer and causing colonic intussusception.
Dig Dis Sci 2008 Oct;53(10): p2826-7
Martin P; Sklow B; Adler DG

Image of the month--quiz case. Intussuscepted transverse colonic lipoma.
Arch Surg 2007 Dec;142(12): p1221
Du L; Shah TR; Zenilman ME

Submucosal lipoma of the ascending colon as a source of massive lower gastro-intestinal bleeding: a case report.

Acta Chir Belg 2008 May-Jun;108(3): p356-9
Vasiliadis K; Katsamakas M, et al.

Colonic lipoma with intussusception.
Mayo Clin Proc 2007 Jan;82(1): p10
Chang CC; Liu KL

Submucous colon lipoma: a case report and review of the literature.
World J Gastroenterol 2005 May 28;11(20): p3167-9
Zhang H; Cong JC, et al.

Case 8

A 59-year-old immunosuppressed man with AIDS, presented with intractable nausea and vomiting for one month. A gastric ulcer was found. Additionally there was wall thickening of the duodenum on CT scan of abdomen and pelvis. Gastric bxs 5 days earlier showed H. pylori gastritis. Submitted tissue is from the duodenum. H. pylori was not found in the stomach. Immunostains showed that the neoplastic large cells appear to express CD3, to variably express CD43 but not to express CD20, CD79a, CD10, CD34, BCL-1, BCL-6, pancytokeratin, chromogranin, synaptophysin or HMB-45 antigens. Additional immunostains indicated variable expression of CD45 in a minority of the large cells but no expression of CD30, TdT or CD5.

Dx:

T-cell lymphoma with aberrant loss of expression of CD5, duodenum

Santa Barbara (Miramonte Laboratory) - Lymphoma
Santa Rosa (Santa Rosa Memorial Hospital) - T-cell lymphoma (3)
Woodland Hills (Kaiser Permanente) - T-cell lymphoma
Alabama, Birmingham - Lymphoma, T-cell type
Alabama (Norwood Clinic) - T-cell lymphoma
Arkansas (The Laboratory of Pathology, P.A.) - T-cell lymphoma
Georgia, Atlanta - T-cell lymphoma, enteropathy associated
Idaho, Boise - T-cell lymphoma
Kansas (Coffeyville Regional Medical Center) - Large cell diffuse T-cell lymphoma
Kansas (Peterson Laboratory Services) - T-cell lymphoma, NOS (1); Enteropathy associated T-cell lymphoma (1)
Maryland, Baltimore - Enteropathy-type T-cell lymphoma
Michigan (Oakwood Hospital) - Enteropathy associated T-cell lymphoma
New Mexico, Albuquerque - Malignant lymphoma, T-cell type, enteropathy associated
New York, Rye Brook - T-cell lymphoma
Pennsylvania (Conemaugh Memorial Medical Center) - T-cell lymphoproliferative disorder associated with immune deficiency
Canada (Pasqua Hospital) - Lymphoma, plasmablastic
Hong Kong (Hong Kong Baptist Hospital) - Peripheral T-cell lymphoma
India, Kochi - T-cell lymphoma of duodenum
The Netherlands, Amstelveen - T-cell NHL

Refs:

The phenotype of intraepithelial lymphocytes in Taiwanese enteropathy-associated T-cell lymphoma is distinct from that of the West.

Histopathology 2008 Aug;53(2): p234-6
Chuang SS; Liao YL, et al.

Small intestinal CD4+ T-cell lymphoma: a rare distinctive clinicopathological entity associated with prolonged survival.
Virchows Arch 2007 Dec;451(6): p1091-3
Svrcek M; Garderet L, et al.

Follicular dendritic cell sarcoma of small intestine with aberrant T-cell marker expression.
Pathol Int 2009 Nov;59(11): p809-12
Yamada Y; Haga H, et al.

Composite lymphoma with relapse of enteropathy-type T-cell lymphoma.
Leuk Lymphoma 2009 May;50(5): p749-56
Du Z; Chen J; Zhou X; Zhang T; Chen B; Tang F

An overview of the pathogenesis and natural history of post-transplant T-cell lymphoma.
Leuk Lymphoma 2007 Jun;48(6): p1237-41
Jamali FR; Otrrock ZK, et al.

Case 9

This is from a transverse colon of a 96 y/o man. One of eighteen lymph nodes contained similar tumor. It was 8 cm in greatest diameter, exophytic and partially necrotic.

Dx:

Lymphoepithelioma-like adenocarcinoma, colon

Santa Barbara (Miramonte Laboratory) - Medullary carcinoma
Santa Rosa (Santa Rosa Memorial Hospital) - Medullary carcinoma (3)
Woodland Hills (Kaiser Permanente) - Medullary carcinoma
Alabama, Birmingham - Poorly differentiated adenocarcinoma
Alabama (Norwood Clinic) - Poorly differentiated adenocarcinoma
Arkansas (The Laboratory of Pathology, P.A.) - Poorly differentiated invasive colonic adenocarcinoma
Georgia, Atlanta - Poorly differentiated adenocarcinoma, HNPCC
Idaho, Boise - Adenocarcinoma
Kansas (Coffeyville Regional Medical Center) - Poorly differentiated carcinoma
Kansas (Peterson Laboratory Services) - Undifferentiated carcinoma (2)
Maryland, Baltimore - Medullary carcinoma
Michigan (Oakwood Hospital) - Medullary carcinoma, colon
New Mexico, Albuquerque - Poorly differentiated carcinoma
New York, Rye Brook - Lymphoepithelioma-like carcinoma
Pennsylvania (Conemaugh Memorial Medical Center) - Undifferentiated carcinoma of the colon with neuroendocrine features
Canada (Pasqua Hospital) - Undifferentiated carcinoma
Hong Kong (Hong Kong Baptist Hospital) - Poorly differentiated carcinoma (LELC)
India, Kochi - Adenocarcinoma of transverse colon
The Netherlands, Amstelveen - Adenocarcinoma

Refs:

EBV-associated lymphoepithelioma-like gastric carcinoma in a patient with HIV.

Pathology 2009;41(6): p593-5

Kim J; Kim KM; Noh JH; Park CK

Lymphoepithelioma-like carcinoma of rectum: possible relation with EBV.

Pathol Res Pract 2001;197(8): p577-82

Kon S; Kasai K, et al.

Primary lymphoepithelioma of the esophagus.

Ann Thorac Surg 2003 Aug;76(2): p603-5

Angulo-Pernett F; Smythe WR

Lymphoepithelioma-like carcinoma of the lung: experience with ten cases.

Int J Tuberc Lung Dis 2004 Jul;8(7): p890-5

Ho JC; Lam WK, et al.

Lymphoepithelioma-like carcinoma of the breast: is it a distinct entity? Clinicopathological evaluation of two cases and review of the literature.

Breast 2004 Dec;13(6): p522-6

Ilvan S; Celik V, et al.

Case 10

A 60 year old man had mid-epigastric pain for one day. Pain slowly moved over the RLQ. He had some nausea, but did not vomit until morning of admission. "Received in formalin is a 14.7 gram, 6.0 x 2.0 cm opened, deformed appendix. There is a 2.1 x 0.7 cm irregular perforation 1.5 cm from the proximal margin. Further examination reveals the wall of the appendix to measure up to 0.5 cm in thickness with white-tan mucosa. The appendix is surrounded by a small yellow-tan fibrofatty mesoappendix."

Dx:

Adenocarcinoma, distal portion of appendix

Santa Barbara (Miramonte Laboratory) - Mucinous carcinoma

Santa Rosa (Santa Rosa Memorial Hospital) - Appendiceal adenocarcinoma (3)

Woodland Hills (Kaiser Permanente) - Mucinous cystadenoma

Alabama, Birmingham - Adenocarcinoma, wall of appendix

Alabama (Norwood Clinic) - Adenocarcinoma of appendix

Arkansas (The Laboratory of Pathology, P.A.) - Mucinous cystadenocarcinoma of appendix

Georgia, Atlanta - Adenocarcinoma, metastatic

Idaho, Boise - Adenocarcinoma

Kansas (Coffeyville Regional Medical Center) - Chronic subacute and acute appendicitis

Kansas (Peterson Laboratory Services) - Mucinous carcinoma (1); Metastatic adenocarcinoma (1)

Maryland, Baltimore - Mucinous adenocarcinoma, probably arising in mucinous cystadenoma of appendix

Michigan (Oakwood Hospital) - Low grade appendiceal mucinous neoplasm

New Mexico, Albuquerque - Adenocarcinoma with perforation

New York, Rye Brook - Adenocarcinoma with mucinous component

Pennsylvania (Conemaugh Memorial Medical Center) - Mucinous adenocarcinoma of appendix

Canada (Pasqua Hospital) - Mucinous adenocarcinoma and serrated adenoma

Hong Kong (Hong Kong Baptist Hospital) - Appendiceal mucinous cystadenoma
India, Kochi - Mucinous adenocarcinoma of appendix
The Netherlands, Amstelveen - Adenocarcinoma and serrated adenoma

Refs:

Adenocarcinoma of the appendix associated with long-standing Crohn's disease.

Int J Colorectal Dis 2001 Nov;16(6): p408-9

Almog G; Fellig Y; Paz K; Durst A; Eid A

Cancer of appendix as a presenting feature of Crohn's disease.

Eur J Gastroenterol Hepatol 2002 Sep;14(9): p1029-32

Sonwalkar SA; Denyer ME, et al.

Appendiceal mucinous neoplasms: controversial issues.

Arch Pathol Lab Med 2010 Jun;134(6): p864-70

Misdraji J

The incidence of benign and malignant neoplasia presenting as acute appendicitis.

Am Surg 2010 Aug;76(8): p808-11

Sieren LM; Collins JN, et al.

If not appendicitis, then what else can it be? A retrospective review of 1492 appendectomies.

16(2):158/PMID:20354257

Hong Kong Med J 2010 Feb;16(1): p12-7

Ma KW; Chia NH; Yeung HW; Cheung MT

