



CALIFORNIA  
TUMOR TISSUE REGISTRY

## *GASTROINTESTINAL PATHOLOGY*

Minutes – Subscription A

May 2013



### **SUGGESTED READING (General Topics from Recent Literature):**

- Morgan Ea, Yu H, et al. Immunohistochemical Detection of Hairy Cell Leukemia in Paraffin Sections using a Highly Effective CD103 Rabbit Monoclonal Antibody. *Am J Clin Pathol* 2013; 139:220-230.
- Wetterskog D, Wilkerson, PM, et al. Mutation Profiling of Adenoid Cystic Carcinomas From Multiple Anatomical Sites Identifies Mutations in the RAS pathway. But No KIT Mutations. *Histopathol* 2013; 62:543-550.
- Lin J, Fan R, et al. Is the Presence of 6 or Fewer Crypt Apoptotic Bodies Sufficient for Diagnosis of Graft vs. Host Disease. A Decade of Experience at a Single Institution. *Am J Surg Pathol* 2013; 37:539-547.
- Orwat DE and Batalis NI. Intravascular Large B-Cell Lymphoma. *Arch Pathol Lab Med* 2012; 136:333-338.
- Karamurzin Y, Leitao MM Jr and Soslow RA. Clinicopathologic Analysis of Low-Stage Sporadic Ovarian Carcinomas: A Reappraisal. *Am J Surg Pathol* 2013; 37:356-367.

California Tumor Tissue Registry  
c/o: Department of Pathology and Human Anatomy  
Loma Linda University School of Medicine  
11021 Campus Avenue, AH 335  
Loma Linda, California 92350  
(909) 558-4788  
FAX: (909) 558-0188  
E-mail: [cttr@linkline.com](mailto:cttr@linkline.com)  
Web site & Case of the Month: [www.cttr.org](http://www.cttr.org)

## **FILE DIAGNOSES**

**CTTR Subscription A**

**May 2013**

**Case 1:**

Sclerosing mesenteritis/sclerosing lipogranulomatosis, abdomen

**Case 2:**

Gastritis cystica profunda, stomach

**Case 3:**

Gastrointestinal stromal tumor (GIST), malignant, stomach

**Case 4:**

Extragastrointestinal stromal tumor (EGIST), intermediate risk, abdominal peritoneum

**Case 5:**

Solid pseudopapillary tumor, pancreas

**Case 6:**

Cholangiocarcinoma, liver

**Case 7:**

Microcystic serous cystadenoma, pancreas

**Case 8:**

Acinar cell carcinoma, pancreas

**Case 9:**

Enteropathy associated T-cell lymphoma, small intestine

**Case 10:**

Poorly differentiated carcinoma with neuroendocrine features, cecum

Baldwin Park (Kaiser Baldwin Park Medical Center) - Extensive fat necrosis  
Duarte (City of Hope) - Fat necrosis (1); Xanthoma (1)  
Glendale - Fat necrosis  
Hayward (St. Rose Hospital) - Fat necrosis, probably due to biliary peritonitis  
Lakewood - Xanthogranulomatous inflammation  
Oakland (Alameda County Medical Center) - Fat necrosis (5)  
Orinda (Kaiser Permanente) - Granular histiocytic reaction  
Oxnard (St. John's Regional Medical Center) - Fat necrosis  
Santa Barbara (Miramonte Laboratory) - Liposarcoma  
Woodland Hills (Kaiser Permanente) - Fat necrosis  
Alabama (Cunningham Pathology, LLC) - Foreign body reactive mesenteritis  
Arkansas (Associated Pathology Laboratory) - Fat necrosis  
Colorado (Fort Collins) - Well-differentiated liposarcoma  
Colorado (University of Colorado) - Fat necrosis  
Connecticut (Danbury Hospital) - Sclerosing mesenteritis  
Delaware (Armed Forces Medical Examiner System) - Sclerosing mesenteritis  
Florida (Gastroenterology Associates of Ocala) - Liposarcoma, well-differentiated  
Georgia, Atlanta - Nodular fat necrosis  
Georgia (Emory University Hospital Residents) - Mesenteric panniculitis rule out whipples disease  
Illinois (Heartland Regional Medical Center) - Mesenteric panniculitis  
Kansas (Peterson Laboratory Service) - Mesothelioma  
Louisiana (LSU Medical Center) - Suture granuloma  
Maryland (University of Maryland Medical System) - Sclerosing mesenteritis  
Massachusetts (University of Massachusetts Medical Center Residents) - Pneumatosis cystoides intestinalis  
Minnesota (Fairview Ridges Hospital) - Sclerosing mesenteritis  
Mississippi (University of Mississippi Medical Center) - Fat necrosis with foreign body giant cell reaction  
Missouri (Missouri Delta Medical Center) - Liposarcoma, low grade  
Nebraska (Creighton University Medical Center) - Mesenteric lipodystrophy  
New York (Erie County Medical Center) - Sclerosing lipogranulomatosis  
North Carolina, Wilson - Reactive inflammatory histiocytosis  
Pennsylvania (Residents of Hahnemann University Hospital) - Hibernoma  
Pennsylvania (Lehigh Valley Hospital) - Mesenteric panniculitis  
Pennsylvania (Magee Women's Hospital of UPMC) - Low grade liposarcoma  
Puerto Rico (University of Puerto Rico) - Mesenteric fat necrosis, rule out inflammatory liposarcoma  
South Carolina (Medical University of South Carolina Residents) - Sclerosing mesenteritis  
Texas (Crystal Beach) - Fat necrosis  
Texas, Lubbock - Metastatic mucin secreting adenocarcinoma  
Texas (Scott & White Memorial Hospital) - Fat necrosis  
Washington (Seattle VAMC) - Sclerosing mesenteritis  
West Virginia, Charleston - Xanthogranulomatous disorder  
West Virginia (Greenbrier Valley Medical Center) - Liposarcoma  
Wisconsin, Madison - Mesenteric lipodystrophy  
Wisconsin (Medical Assessment and Consultation, SC) - Well-differentiated (lipoma-like) liposarcoma  
Australia (Royal Hobart Hospital) - Xanthogranulomatous inflammatory, exclude fat necrosis/pancreatitis  
Australia (St. Vincent's Hospital) - Erdheim-Chester disease  
Australia (The Western Hospital) - Epithelioid neoplasm (favoring deciduoid mesothelioma)  
Brazil (CIDAP) - Granuloma/steato-necrosis (lipogranuloma)  
Canada (Pasqua Hospital) - Sclerosing mesenteritis  
Canada (University of Sherbrooke) - Cystic steatonecrosis, mesentery  
Ireland (Bon Secours Hospital) - Mesenteric panniculitis  
Ireland (Galway University Hospitals Residents) - Sclerosing mesenteritis  
Ireland (Kerry General Hospital) - Inflammatory, chemical peritonitis secondary to bile  
Japan (Asahi General Hospital) - Sclerotic mesenteritis (1); Granular cell tumor (1)  
Japan (Setagaya-Ku) - Foreign body granuloma  
Japan (Wakayama Medical University) - Fat necrosis

Saudi Arabia (Khoula Hospital) - Fat necrosis/mesenteric lipodystrophy  
Saudi Arabia (King Khalid University Hospital) - Sclerosing mesenteritis  
The Netherlands (Amstelveen NL) - Reactive fat necrosis  
United Kingdom (John Radcliffe Hospital) - Chronic bileoma (benign mass, bile leak associated)

**Case 1 - Diagnosis:**

Sclerosing mesenteritis/sclerosing lipogranulomatosis, abdomen

**Case 1 - References:**

Sclerosing mesenteritis: a diagnostic challenge.

Isr Med Assoc J 2004 Sep;6(9): p567-8

Azzam I; Croitoru S; Naschitz JE

Sclerosing mesenteritis.

Australas Radiol 2005 Apr;49(2): p185-8

White B; Kong A; Chang AL

Sclerosing mesenteritis involving the pancreas: a mimicker of pancreatic cancer.

Am J Surg Pathol 2010 Apr;34(4): p447-53

Scudiere JR; Shi C, et al.

Mesenteric panniculitis and sclerosing mesenteritis: a continuum of inflammation fibrosis.

Clin Gastroenterol Hepatol 2007 May;5(5): pA32

Ghosh P; Kum J

Sclerosing mesenteritis with occult ileal perforation: report of a case simulating extensive intra-abdominal malignancy.

Dis Colon Rectum 2004 Nov;47(11): p1974-7

Mathew J; McKenna F; Mason J; Haboubi NY; Borghol M

A case of sclerosing mesenteritis with rheumatoid arthritis.

South Med J 2010 Jan;103(1): p96-7

Makdsi F; Brit M

**Case No. 2, Accession No. 12560**

**May 2013**

Baldwin Park (Kaiser Baldwin Park Medical Center) - Pancreatic necrotopia

Duarte (City of Hope) - Gastritis cystica profunda (2)

Glendale - Gastritis cystica profunda

Hayward (St. Rose Hospital) - Gastritis cystica profunda

Lakewood - Gastritis cystica profunda

Oakland (Alameda County Medical Center) - Ulcer/gastritis, rule out signet ring cell carcinoma (5)

Orinda (Kaiser Permanente) - Pseudoinvasion in gastritis cystica profunda

Oxnard (St. John's Regional Medical Center) - Adenomyxoma (2)

Santa Barbara (Miramonte Laboratory) - Hamartoma

Woodland Hills (Kaiser Permanente) - Arteriovenous malformation, diverticula

Alabama (Cunningham Pathology, LLC) - Gastric diverticulum

Arkansas (Associated Pathology Laboratory) - Gastritis cystica profunda

Colorado (Fort Collins) - Well-differentiated adenocarcinoma

Colorado (University of Colorado) - Gastric adenocarcinoma

Connecticut (Danbury Hospital) - Gastritis cystica polyposa

Delaware (Armed Forces Medical Examiner System) - Gastric plasmacytoma

Florida (Gastroenterology Associates of Ocala) - Gastritis cystica profunda, mesenteric disease

Georgia, Atlanta - Gastritis cystica profunda

Georgia (Emory University Hospital Residents) - Caliber persistent artery

Illinois (Heartland Regional Medical Center) - Gastritis cystica profunda

Kansas (Peterson Laboratory Service) - Menetriers disease  
Louisiana (LSU Medical Center) - Vascular malformation  
Maryland (University of Maryland Medical System) - Gastritis cystica profunda  
Massachusetts (University of Massachusetts Medical Center Residents) - Gastritis cystica profunda  
Minnesota (Fairview Ridges Hospital) - Gastric duplication, chronic gas  
Mississippi (University of Mississippi Medical Center) - Gastritis cystica profunda  
Missouri (Missouri Delta Medical Center) - Gastritis cystica polyposa/profunda  
Nebraska (Creighton University Medical Center) - Dieulafoy lesion  
New York (Erie County Medical Center) - Caliber persistent artery  
North Carolina, Wilson - Gastritis cystica polyposa/profunda  
Pennsylvania (Residents of Hahnemann University Hospital) - Heterotopic pancreas  
Pennsylvania (Lehigh Valley Hospital) - Pyloric duplication  
Pennsylvania (Magee Women's Hospital of UPMC) - Gastric diverticuli  
Puerto Rico (University of Puerto Rico) - Perforated peptic ulcer vs. well-differentiated adenocarcinoma  
South Carolina (Medical University of South Carolina Residents) - Gastritis cystica superficialis  
Texas (Crystal Beach) - Gastric diverticulosis  
Texas, Lubbock - Adenocarcinoma  
Texas (Scott & White Memorial Hospital) - Dieulafoy disease  
Washington (Seattle VAMC) - Gastric hamartoma  
West Virginia, Charleston - Gastritis cystica profunda  
West Virginia (Greenbrier Valley Medical Center) - Submucosal gastric cysts (gastritis cystica profunda)  
Wisconsin, Madison - Peptic ulcer with Rokitansky - Aschoff sinuses  
Wisconsin (Medical Assessment and Consultation, SC) - Cystically dilated gastric submucosal foveola glands  
Australia (Royal Hobart Hospital) - Dieulafoy lesion and gastritis cystica profunda  
Australia (St. Vincent's Hospital) - Gastritis cystica profunda  
Australia (The Western Hospital) - Mucosal ulcer with associated active and chronic gastritis, the background stomach shows features raising the possibility of Menetriers disease.  
Brazil (CIDAP) - Cystic gastritis probable Menetriers disease  
Canada (Pasqua Hospital) - Gastritis cystica profunda  
Canada (University of Sherbrooke) - Gastritis cystica polyposa/profunda, stomach  
Ireland (Bon Secours Hospital) - Pancreatic heterotopia (adenomyoma)  
Ireland (Galway University Hospitals Residents) - Gastritis cystica profunda  
Ireland (Kerry General Hospital) - Gastric diverticulosis  
Japan (Asahi General Hospital) - Gastric duplication (1); Brunners gland hyperplasia (1)  
Japan (Setagaya-Ku) - Ectopic gastric mucosa  
Japan (Wakayama Medical University) - Gastritis cystica profunda  
Saudi Arabia (Khoula Hospital) - Gastritis cystic profunda  
Saudi Arabia (King Khalid University Hospital) - Inflamed acquired gastric diverticulum  
The Netherlands (Amstelveen NL) - Adenocarcinoma and vascular malformation  
United Kingdom (John Radcliffe Hospital) - Gastritis cystic profunda/polyposa

## **Case 2 - Diagnosis:**

Gastritis cystica profunda, stomach

## **Case 2 - References:**

Gastritis cystica profunda in a patient with no history of gastric surgery.  
 Endoscopy 2007 Feb;39 Suppl 1:E80-1  
 Bechade D; Desrame J; Algayres JP

Severe upper-GI bleed caused by gastritis cystica profunda.  
 Gastrointest Endosc 2006 Apr;63(4): p716-7  
 Kurland J; Du Bois S, et al.

Gastritis cystic profunda versus adenocarcinoma.  
 Am J Surg Pathol 2012 Feb;36(2): p316-8  
 Greywoode G; Chetty R

Multiple early gastric cancer with gastritis cystica profunda showing various histological types.  
Hepatogastroenterology 2008 May-Jun;55(84): p1150-2  
Tsuji T; Iwahashi M, et al.

Clinical significance of gastritis cystica profunda and its association with Epstein-Barr virus in gastric cancer.  
Cancer 2012 Nov 1;118(21): p5227-33  
Choi MG; Jeong JY, et al.

A case of gastritis cystica profunda.  
Surgery 2008 Mar;143(3): p449-50  
Tomizuka T; Mazaki T, et al.

### **Case No. 3, Accession No. 30780**

**May 2013**

Baldwin Park (Kaiser Baldwin Park Medical Center) - GIST  
Duarte (City of Hope) - Malignant GIST (2)  
Glendale - GIST  
Hayward (St. Rose Hospital) - GIST  
Lakewood - GIST  
Oakland (Alameda County Medical Center) - GIST (5)  
Orinda (Kaiser Permanente) - GIST  
Oxnard (St. John's Regional Medical Center) - Malignant GIST (3)  
Santa Barbara (Miramonte Laboratory) - GIST  
Woodland Hills (Kaiser Permanente) - GIST  
Alabama (Cunningham Pathology, LLC) - Gastrointestinal stromal tumor, favor malignant  
Arkansas (Associated Pathology Laboratory) - Gastrointestinal stromal tumor (GIST) high malignant potential  
Colorado (Fort Collins) - Malignant gastrointestinal stromal tumor  
Colorado (University of Colorado) - GIST with high grade features  
Connecticut (Danbury Hospital) - GIST, moderate risk  
Delaware (Armed Forces Medical Examiner System) - Gastrointestinal stromal tumor  
Florida (Gastroenterology Associates of Ocala) - GIST  
Georgia, Atlanta - Gastrointestinal stromal tumor, favor malignant  
Georgia (Emory University Hospital Residents) - High risk GIST  
Illinois (Heartland Regional Medical Center) - GIST  
Kansas (Peterson Laboratory Service) - Malignant GIST  
Louisiana (LSU Medical Center) - GIST  
Maryland (University of Maryland Medical System) - Gastrointestinal stromal tumor  
Massachusetts (University of Massachusetts Medical Center Residents) - Gastrointestinal stromal tumor  
Minnesota (Fairview Ridges Hospital) - Gastrointestinal stromal tumor  
Mississippi (University of Mississippi Medical Center) - GIST  
Missouri (Missouri Delta Medical Center) - GIST  
Nebraska (Creighton University Medical Center) - GIST  
New York (Erie County Medical Center) - GIST, high malignant potential  
North Carolina, Wilson - Malignant GIST  
Pennsylvania (Residents of Hahnemann University Hospital) - GIST  
Pennsylvania (Lehigh Valley Hospital) - GIST  
Pennsylvania (Magee Women's Hospital of UPMC) - GIST, malignant  
Puerto Rico (University of Puerto Rico) - Gastrointestinal stromal tumor  
South Carolina (Medical University of South Carolina Residents) - Gastrointestinal stromal tumor  
Texas (Crystal Beach) - Gastrointestinal stromal tumor  
Texas, Lubbock - Malignant GIST  
Texas (Scott & White Memorial Hospital) - Malignant GIST  
Washington (Seattle VAMC) - GIST consistent with high mitotic rate (>10/20 hpf)  
West Virginia, Charleston - Gastrointestinal stromal tumor, high risk  
West Virginia (Greenbrier Valley Medical Center) - Gastrointestinal stromal tumor  
Wisconsin, Madison - Malignant GIST

Wisconsin (Medical Assessment and Consultation, SC) - Gastric GIST, high malignant potential  
Australia (Royal Hobart Hospital) - GIST with high risk of aggressive behavior  
Australia (St. Vincent's Hospital) - Gastrointestinal stromal tumor, malignant  
Australia (The Western Hospital) - Gastrointestinal stromal tumor  
Brazil (CIDAP) - High grade GIST  
Canada (Pasqua Hospital) - GIST  
Canada (University of Sherbrooke) - GIST, high risk, stomach  
Ireland (Bon Secours Hospital) - Malignant GIST  
Ireland (Galway University Hospitals Residents) - GIST  
Ireland (Kerry General Hospital) - Gastrointestinal stromal tumor  
Japan (Asahi General Hospital) - Gastrointestinal stromal tumor (2)  
Japan (Setagaya-Ku) - Gastrointestinal stromal tumor  
Japan (Wakayama Medical University) - Gastrointestinal stromal tumor  
Saudi Arabia (Khoula Hospital) - Malignant gastrointestinal stromal tumor  
Saudi Arabia (King Khalid University Hospital) - Gastrointestinal stromal tumor, malignant  
The Netherlands (Amstelveen NL) - GIST  
United Kingdom (John Radcliffe Hospital) - GIST

### **Case 3 - Diagnosis:**

Gastrointestinal stromal tumor (GIST), malignant, stomach

### **Case 3 - References:**

Gastrointestinal stromal tumors of the stomach.  
 Surg Oncol Clin N Am 2012 Jan;21(1): p21-33  
 Bennett JJ; Rubino MS

Gastrointestinal stromal tumor of stomach with inguinal lymph nodes metastasis: a case report.  
 World J Gastroenterol 2010 Apr 14;16(14): p1808-10  
 Zhang Q; Yu JW, et al.

[Gastrointestinal stromal tumors of the stomach. Updates and differences compared to other locations]  
 Pathologie 2010 May;31(3): p195-8  
 Wardelmann E; Hohenberger P, et al.

Keratin-positive gastrointestinal stromal tumor of the stomach mimicking gastric carcinoma: diagnosis confirmed by c-kit mutation analysis.  
 Diagn Mol Pathol 2008 Dec;17(4): p241-4  
 Lippai N; Fule T, 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.

### **Case No. 4, Accession No. 31356**

**May 2013**

Baldwin Park (Kaiser Baldwin Park Medical Center) - GIST  
Duarte (City of Hope) - GIST (2)  
Glendale - GIST  
Hayward (St. Rose Hospital) - GIST  
Lakewood - Gastrointestinal stromal tumor, GIST, low risk  
Oakland (Alameda County Medical Center) - GIST  
Orinda (Kaiser Permanente) - GIST  
Oxnard (St. John's Regional Medical Center) - GIST (3)  
Santa Barbara (Miramonte Laboratory) - Leiomyosarcoma  
Woodland Hills (Kaiser Permanente) - Extra-intestinal GIST

Alabama (Cunningham Pathology, LLC) - Gastrointestinal stromal tumor  
Arkansas (Associated Pathology Laboratory) - Gastrointestinal stromal tumor (GIST), low malignant potential  
Colorado (Fort Collins) - Gastrointestinal stromal tumor  
Colorado (University of Colorado) - GIST  
Connecticut (Danbury Hospital) - Solitary fibrous tumor  
Delaware (Armed Forces Medical Examiner System) - Epithelioid gastrointestinal stromal tumor  
Florida (Gastroenterology Associates of Ocala) - GIST consistent with aggressive mesenteric fibrosis  
Georgia, Atlanta - Gastrointestinal stromal tumor, high grade  
Georgia (Emory University Hospital Residents) - Extragastrointestinal GIST  
Illinois (Heartland Regional Medical Center) - GIST, extragastrointestinal  
Kansas (Peterson Laboratory Service) - Epithelioid GIST  
Louisiana (LSU Medical Center) - Leiomyoma  
Maryland (University of Maryland Medical System) - Extraintestinal gastrointestinal stromal tumor  
Massachusetts (University of Massachusetts Medical Center Residents) - Gastrointestinal stromal tumor vs. angioleiomyoma  
Minnesota (Fairview Ridges Hospital) - Gastrointestinal stromal tumor  
Mississippi (University of Mississippi Medical Center) - GIST  
Missouri (Missouri Delta Medical Center) - GIST consistent with epithelioid features vs. schwannoma  
Nebraska (Creighton University Medical Center) - Extraintestinal GIST  
New York (Erie County Medical Center) - GIST, low malignant potential  
North Carolina, Wilson - Atypical leiomyoma  
Pennsylvania (Residents of Hahnemann University Hospital) - GIST  
Pennsylvania (Lehigh Valley Hospital) - GIST  
Pennsylvania (Magee Women's Hospital of UPMC) - Extra-intestinal GIST  
Puerto Rico (University of Puerto Rico) - Extragastrointestinal gastrointestinal stromal tumor  
South Carolina (Medical University of South Carolina Residents) - Malignant gastrointestinal stromal tumor  
Texas (Crystal Beach) - Solitary fibrous tumor  
Texas, Lubbock - Gastrointestinal stromal tumor  
Texas (Scott & White Memorial Hospital) - Fibromatosis  
Washington (Seattle VAMC) - GIST consistent with relatively low mitotic rate  
West Virginia, Charleston - Gastrointestinal stromal tumor, intermediate risk  
West Virginia (Greenbrier Valley Medical Center) - Intra abdominal desmoids type fibromatosis  
Wisconsin, Madison - GIST  
Wisconsin (Medical Assessment and Consultation, SC) - Extragastrointestinal stromal tumor, low malignant potential  
Australia (Royal Hobart Hospital) - GIST with intermediate risk of aggressive behavior  
Australia (St. Vincent's Hospital) - Gastrointestinal stromal tumor, low grade  
Australia (The Western Hospital) - Gastrointestinal stromal tumor  
Brazil (CIDAP) - GIST with myeloid features  
Canada (Pasqua Hospital) - GIST  
Canada (University of Sherbrooke) - GIST, low risk, abdominal peritoneum  
Ireland (Bon Secours Hospital) - GIST  
Ireland (Galway University Hospitals Residents) - GIST  
Ireland (Kerry General Hospital) - Gastrointestinal stromal tumor  
Japan (Asahi General Hospital) - Extragastrointestinal stromal tumor (1); Inflammatory myofibroblastic tumor (1)  
Japan (Setagaya-Ku) - Leiomyosarcoma  
Japan (Wakayama Medical University) - Extragastrointestinal gastrointestinal stromal tumor  
Saudi Arabia (Khoula Hospital) - Gastrointestinal stromal tumor  
Saudi Arabia (King Khalid University Hospital) - Gastrointestinal stromal tumor  
The Netherlands (Amstelveen NL) - GIST  
United Kingdom (John Radcliffe Hospital) - GIST

#### **Case 4 - Diagnosis:**

Extragastrointestinal stromal tumor (EGIST), intermediate risk, abdominal peritoneum



#### Case 4 - References:

Gastrointestinal stromal tumors presenting as omental masses--a clinicopathologic analysis of 95 cases.  
Am J Surg Pathol 2009 Sep;33(9): p1267-75  
Miettinen M; Sobin LH; Lasota J

Gastrointestinal stromal tumour of the omentum: a case report.  
Gulf J Oncolog 2008 Jan;(3): p58-63  
Barghash IA; Abdul-Samad M, et al.

Characteristics of KIT-negative gastrointestinal stromal tumours and diagnostic utility of protein kinase C theta immunostaining.  
J Clin Pathol 2008 Jun;61(6): p722-9  
Lee HE; Kim MA, et al.

Primary extragastrointestinal stromal tumors in the omentum and mesentery: a clinicopathological and immunohistochemical study.  
Hepatogastroenterology 2008 May-Jun;55(84): p1002-5  
Llenas-Garcia J; Guerra-Vales JM, et al.

Extra-abdominal subcutaneous metastasis of a gastrointestinal stromal tumor: report of a case and a review of the literature.  
J Cutan Pathol 2009 May;36(5): p565-9  
Kroep JR; Bovee JV, et al.

#### **Case No. 5, Accession No. 31528**

**May 2013**

Baldwin Park (Kaiser Baldwin Park Medical Center) - Solid-cystic pseudopapillary tumor  
Duarte (City of Hope) - Solid pseudopapillary neoplasm (2)  
Glendale - Solid pseudopapillary tumor  
Hayward (St. Rose Hospital) - Solid pseudopapillary neoplasm  
Lakewood - Solid pseudopapillary tumor  
Oakland (Alameda County Medical Center) - Solid pseudopapillary neoplasm (with aberrant chromogranin staining)  
Orinda (Kaiser Permanente) - Solid pseudopapillary neoplasm  
Oxnard (St. John's Regional Medical Center) - Solid pseudopapillary tumor of pancreas (2)  
Santa Barbara (Miramonte Laboratory) - Solid pseudopapillary tumor  
Woodland Hills (Kaiser Permanente) - Solid pseudopapillary neoplasm of the pancreas  
Alabama (Cunningham Pathology, LLC) - Solid pseudopapillary tumor  
Arkansas (Associated Pathology Laboratory) - Pancreatic endocrine neoplasia  
Colorado (Fort Collins) - Acinic cell carcinoma  
Colorado (University of Colorado) - Pancreatic neuroendocrine tumor  
Connecticut (Danbury Hospital) - Solid pseudopapillary neoplasm  
Delaware (Armed Forces Medical Examiner System) - Solid pseudopapillary tumor  
Florida (Gastroenterology Associates of Ocala) - Solid pseudopapillary neoplasm  
Georgia, Atlanta - Solid pseudopapillary tumor  
Georgia (Emory University Hospital Residents) - Solid pseudopapillary neoplasm  
Illinois (Heartland Regional Medical Center) - Solid pseudopapillary neoplasm  
Kansas (Peterson Laboratory Service) - Solid pseudopapillary tumor  
Louisiana (LSU Medical Center) - Solid pseudopapillary tumor  
Maryland (University of Maryland Medical System) - Solid pseudopapillary tumor  
Massachusetts (University of Massachusetts Medical Center Residents) - Solid pseudopapillary tumor  
Minnesota (Fairview Ridges Hospital) - Solid pseudopapillary tumor  
Mississippi (University of Mississippi Medical Center) - Solid pseudopapillary tumor of the pancreas  
Missouri (Missouri Delta Medical Center) - Neuroendocrine tumor (carcinoid tumor)  
Nebraska (Creighton University Medical Center) - Solid pseudopapillary tumor  
New York (Erie County Medical Center) - Solid pseudopapillary neoplasm

North Carolina, Wilson - Solid pseudopapillary neoplasm  
Pennsylvania (Residents of Hahnemann University Hospital) - Solid pseudopapillary neoplasm  
Pennsylvania (Lehigh Valley Hospital) - Acinic cell carcinoma  
Pennsylvania (Magee Women's Hospital of UPMC) - Solid pseudopapillary carcinoma  
Puerto Rico (University of Puerto Rico) - Solid pseudopapillary tumor  
South Carolina (Medical University of South Carolina Residents) - Solid pseudopapillary tumor  
Texas (Crystal Beach) - Solid pseudopapillary tumor  
Texas, Lubbock - Solid pseudopapillary carcinoma  
Texas (Scott & White Memorial Hospital) - Solid pseudopapillary tumor  
Washington (Seattle VAMC) - Pancreatic endoepithelial neoplasm  
West Virginia, Charleston - Solid and pseudopapillary tumor  
West Virginia (Greenbrier Valley Medical Center) - Solid pseudopapillary neoplasm  
Wisconsin, Madison - Solid pseudopapillary tumor of the pancreas  
Wisconsin (Medical Assessment and Consultation, SC) - Solid pseudopapillary neoplasm of pancreas  
Australia (Royal Hobart Hospital) - Solid pseudopapillary neoplasm of pancreas  
Australia (St. Vincent's Hospital) - Solid pseudopapillary tumor  
Australia (The Western Hospital) - Solid pseudopapillary neoplasm  
Brazil (CIDAP) - Solid pseudopapillary neoplasm of the pancreas (Frantz tumor)  
Canada (Pasqua Hospital) - Solid pseudopapillary tumor  
Canada (University of Sherbrooke) - Solid pseudopapillary tumor, pancreas  
Ireland (Bon Secours Hospital) - Solid pseudopapillary neoplasm  
Ireland (Galway University Hospitals Residents) - Solid pseudopapillary tumor  
Ireland (Kerry General Hospital) - Solid pseudopapillary tumor of pancreas  
Japan (Asahi General Hospital) - Solid pseudopapillary neoplasm (2)  
Japan (Setagaya-Ku) - Acinic cell carcinoma  
Japan (Wakayama Medical University) - Solid pseudopapillary tumor  
Saudi Arabia (Khoula Hospital) - Solid pseudopapillary neoplasm  
Saudi Arabia (King Khalid University Hospital) - Solid pseudopapillary tumor  
The Netherlands (Amstelveen NL) - Solid pseudopapillary tumor  
United Kingdom (John Radcliffe Hospital) - Solid pseudopapillary tumor

#### **Case 5 - Diagnosis:**

Solid pseudopapillary tumor, pancreas

#### **Case 5 - References:**

Solid-pseudopapillary neoplasm: a pancreatic enigma.  
 Arch Pathol Lab Med 2009 Dec;133(12): p1989-93  
 Chakhachiro ZI; Zaatari G

Solid pseudopapillary tumor of the pancreas: a review of salient clinical and pathologic features.  
 Adv Anat Pathol 2008 Jan;15(1): p39-45  
 Adams AL; Siegal GP; Jhala NC.  
 Solid pseudopapillary tumor of the pancreas: clinical analysis of 11 cases.  
 Hepatogastroenterology 2011 Jan-Feb;58(105): p192-7  
 Yu P; Cheng X, et al.

Solid pseudopapillary neoplasm of the pancreas: distinct patterns of onset, diagnosis, and prognosis for male versus female patients.  
 Surgery 2008 Jan;143(1): p29-34  
 Machado MC; Machado MA, et al.

Glypican-3 is a marker for solid pseudopapillary neoplasm of the pancreas.  
 Histopathology 2011 Dec;59(6): p1278-9  
 Hav M; De Potter A, et al.

Extrapneumatic solid pseudopapillary neoplasm: report of a case of primary ovarian origin and review of the literature.

**Case No. 6, Accession No. 15800**

**May 2013**

Baldwin Park (Kaiser Baldwin Park Medical Center) - Adenocarcinoma from gallbladder  
Duarte (City of Hope) - Well-differentiated adenocarcinoma (2)  
Glendale - Adenocarcinoma  
Hayward (St. Rose Hospital) - Cholangiocarcinoma (vs. atypical fibrolamellar carcinoma)  
Lakewood - Adenocarcinoma of the gallbladder  
Oakland (Alameda County Medical Center) - Adenocarcinoma (consistent with cholangiocarcinoma)  
Orinda (Kaiser Permanente) - Neuroendocrine neoplasm  
Oxnard (St. John's Regional Medical Center) - Cholangiocarcinoma (3)  
Santa Barbara (Miramonte Laboratory) - Cholangiocarcinoma  
Woodland Hills (Kaiser Permanente) - Metastatic neuroendocrine tumor  
Alabama (Cunningham Pathology, LLC) - Carcinoid tumor from gallbladder  
Arkansas (Associated Pathology Laboratory) - Cholangiocarcinoma  
Colorado (Fort Collins) - Adenocarcinoma  
Colorado (University of Colorado) - Gallbladder adenocarcinoma (vs. carcinoid)  
Connecticut (Danbury Hospital) - Cholangiocarcinoma  
Delaware (Armed Forces Medical Examiner System) - Adenocarcinoma, favor cholangiocarcinoma  
Florida (Gastroenterology Associates of Ocala) - Combined hepatocellular, cholangiocarcinoma  
Georgia, Atlanta - Bile duct adenoma  
Georgia (Emory University Hospital Residents) - Cholangiocarcinoma (possible carcinoma arising in ducts of Luchka)  
Illinois (Heartland Regional Medical Center) - Cholangiocarcinoma, well-differentiated  
Kansas (Peterson Laboratory Service) - Cholangiocarcinoma  
Louisiana (LSU Medical Center) - Adenocarcinoma  
Maryland (University of Maryland Medical System) - Extrahepatic bile duct cholangiocarcinoma  
Massachusetts (University of Massachusetts Medical Center Residents) - Neuroendocrine tumor  
Minnesota (Fairview Ridges Hospital) - Cholangiocarcinoma  
Mississippi (University of Mississippi Medical Center) - Carcinoid tumor  
Missouri (Missouri Delta Medical Center) - Adenocarcinoma, metastatic consistent with gallbladder  
Nebraska (Creighton University Medical Center) - Neuroendocrine tumor, low to intermediate grade  
New York (Erie County Medical Center) - Intrahepatic cholangiocarcinoma, rule out metastatic adenocarcinoma  
North Carolina, Wilson - Cholangiocarcinoma  
Pennsylvania (Residents of Hahnemann University Hospital) - Cholangiocarcinoma  
Pennsylvania (Lehigh Valley Hospital) - Carcinoid  
Pennsylvania (Magee Women's Hospital of UPMC) - Cholangiocarcinoma  
Puerto Rico (University of Puerto Rico) - Intrahepatic cholangiocarcinoma vs. hepatocellular fibrolamellar type rule out neuroendocrine neoplasm  
South Carolina (Medical University of South Carolina Residents) - Gallbladder adenocarcinoma  
Texas (Crystal Beach) - Cholangiocarcinoma  
Texas, Lubbock - Cholangiocarcinoma  
Texas (Scott & White Memorial Hospital) - Cholangiocarcinoma  
Washington (Seattle VAMC) - Liver intrahepatic cholangiocarcinoma  
West Virginia, Charleston - Cholangiocarcinoma  
West Virginia (Greenbrier Valley Medical Center) - Cholangiocarcinoma  
Wisconsin, Madison - Bile duct adenocarcinoma, rule out carcinoid  
Wisconsin (Medical Assessment and Consultation, SC) - Cholangiocarcinoma  
Australia (Royal Hobart Hospital) - Cholangiocarcinoma  
Australia (St. Vincent's Hospital) - Cholangiocarcinoma  
Australia (The Western Hospital) - Well-differentiated adenocarcinoma, favor cholangiocarcinoma (Diff: hepatocellular carcinoma metastatic adenocarcinoma)  
Brazil (CIDAP) - Adenocarcinoma biliary tract (well-differentiated perineural invasion, ectopic pancreas (more samples required))

[Canada \(Pasqua Hospital\)](#) - Well-differentiated neuroendocrine neoplasm  
[Canada \(University of Sherbrooke\)](#) - Hepatocarcinoma, liver  
[Ireland \(Bon Secours Hospital\)](#) - Adenocarcinoma  
[Ireland \(Galway University Hospitals Residents\)](#) - Carcinoid  
[Ireland \(Kerry General Hospital\)](#) - Bile duct carcinoma  
[Japan \(Asahi General Hospital\)](#) - Mixed adenoneuroendocrine carcinoma (1); Cholangiocarcinoma (1)  
[Japan \(Setagaya-Ku\)](#) - Cholangiocarcinoma  
[Japan \(Wakayama Medical University\)](#) - Cholangiocarcinoma  
[Saudi Arabia \(Khoula Hospital\)](#) - Cholangiocarcinoma  
[Saudi Arabia \(King Khalid University Hospital\)](#) - Cholangiocarcinoma  
[The Netherlands \(Amstelveen NL\)](#) - Adenocarcinoma  
[United Kingdom \(John Radcliffe Hospital\)](#) - Cholangiocarcinoma

#### **Case 6 - Diagnosis:**

Cholangiocarcinoma, liver

#### **Case 6 - References:**

Cholangiocarcinoma: a cancer in search of the right classification.  
 Hepatology 2012 Oct;56(4): p1585-6; author reply 1586  
 Cardinale V; Carpino G, et al.

Epstein-Barr virus-associated intrahepatic cholangiocarcinoma bearing an intense lymphoplasmacytic infiltration.  
 J Clin Pathol 2012 Jun;65(6): p570-3  
 Xiao P; Shi H, et al.

Intrahepatic cholangiocarcinoma with predominant "ductal plate malformation" pattern: a new subtype.  
 Am J Surg Pathol 2012 Nov;36(11): p1629-35  
 Nakanuma Y; Sato Y, et al.

Fetoprotein-producing gastric carcinoma and combined hepatocellular and cholangiocarcinoma show similar morphology but different histogenesis with respect to SALL4 expression.  
 Hum Pathol 2012 Nov;43(11): p1955-63  
 Ikeda H; Sato Y, et al.

#### **Case No. 7, Accession No. 31469**

**May 2013**

[Baldwin Park \(Kaiser Baldwin Park Medical Center\)](#) - Microcystic serous adenoma  
[Duarte \(City of Hope\)](#) - Serous microcystic cystadenoma  
[Glendale](#) - Serous cystadenoma  
[Hayward \(St. Rose Hospital\)](#) - Microcystic serous cystadenoma  
[Lakewood](#) - Serous cystic adenoma  
[Oakland \(Alameda County Medical Center\)](#) - Serous cystadenoma (5)  
[Orinda \(Kaiser Permanente\)](#) - Microcystic serous cystadenoma  
[Oxnard \(St. John's Regional Medical Center\)](#) - Serous cystadenoma (3)  
[Santa Barbara \(Miramonte Laboratory\)](#) - Microcystic adenoma  
[Woodland Hills \(Kaiser Permanente\)](#) - Serous cystadenoma  
[Alabama \(Cunningham Pathology, LLC\)](#) - Serous microcystic adenoma  
[Arkansas \(Associated Pathology Laboratory\)](#) - Microcystic serous cystadenoma  
[Colorado \(Fort Collins\)](#) - Microcystic cystadenoma  
[Colorado \(University of Colorado\)](#) - IPMN  
[Connecticut \(Danbury Hospital\)](#) - Serous cystadenoma  
[Delaware \(Armed Forces Medical Examiner System\)](#) - Serous cystadenoma of the pancreas  
[Florida \(Gastroenterology Associates of Ocala\)](#) - Serous cystic neoplasm  
[Georgia, Atlanta](#) - Serous/microcystic adenoma  
[Georgia \(Emory University Hospital Residents\)](#) - Serous cystadenoma

Illinois (Heartland Regional Medical Center) - Microcystic serous cystadenoma  
Kansas (Peterson Laboratory Service) - Serous cystadenoma  
Louisiana (LSU Medical Center) - Serous cystadenoma  
Maryland (University of Maryland Medical System) - Serous cystadenoma  
Massachusetts (University of Massachusetts Medical Center Residents) - Serous cystadenoma  
Minnesota (Fairview Ridges Hospital) - Serous cystadenoma  
Mississippi (University of Mississippi Medical Center) - Microcystic serous cystadenoma  
Missouri (Missouri Delta Medical Center) - Microcystic serous cystadenoma of pancreas  
Nebraska (Creighton University Medical Center) - Serous cystic neoplasm  
New York (Erie County Medical Center) - Acinar cell cystadenoma  
North Carolina, Wilson - Serous cystadenoma  
Pennsylvania (Residents of Hahnemann University Hospital) - Serous microcystic adenoma of pancreas  
Pennsylvania (Lehigh Valley Hospital) - Serous microcystic adenoma  
Pennsylvania (Magee Women's Hospital of UPMC) - Serous cystadenoma  
Puerto Rico (University of Puerto Rico) - Microcystic serous cystadenoma  
South Carolina (Medical University of South Carolina Residents) - Serous cystadenoma  
Texas (Crystal Beach) - Serous cystadenoma  
Texas, Lubbock - Microcystic serous carcinoma  
Texas (Scott & White Memorial Hospital) - Serous cystadenoma  
Washington (Seattle VAMC) - Pancreatic benign cystic lesion (cystadenoma)  
West Virginia, Charleston - Cystadenoma, favor serous type  
West Virginia (Greenbrier Valley Medical Center) - Microcystic serous cystadenoma  
Wisconsin, Madison - Serous microcystic adenoma of pancreas  
Wisconsin (Medical Assessment and Consultation, SC) - Serous cystadenoma of pancreas  
Australia (Royal Hobart Hospital) - Microcystic serous cystadenoma  
Australia (St. Vincent's Hospital) - Microcystic adenoma  
Australia (The Western Hospital) - Serous adenoma of pancreas  
Brazil (CIDAP) - Cystadenoma serous  
Canada (Pasqua Hospital) - Microcystic adenoma  
Canada (University of Sherbrooke) - Serous cystadenoma, pancreas  
Ireland (Bon Secours Hospital) - Microcystic serous cystadenoma  
Ireland (Galway University Hospitals Residents) - Serous cystadenoma  
Ireland (Kerry General Hospital) - Microcystic cystadenoma  
Japan (Asahi General Hospital) - Microcystic serous cystadenoma (2)  
Japan (Setagaya-Ku) - Mucinous cystic neoplasm  
Japan (Wakayama Medical University) - Serous cystadenoma  
Saudi Arabia (Khoula Hospital) - Serous microcystic adenoma  
Saudi Arabia (King Khalid University Hospital) - Benign serous cystic neoplasm  
The Netherlands (Amstelveen NL) - Microcystic adenoma  
United Kingdom (John Radcliffe Hospital) - Serous cystic neoplasm

#### **Case 7 - Diagnosis:**

Microcystic serous cystadenoma, pancreas

#### **Case 7 - References:**

Microcystic serous cystadenoma of the pancreas with subtotal cystic degeneration: another neoplastic mimic of pancreatic pseudocyst.

Am J Surg Pathol 2012 May;36(5): p726-31

Panarelli NC; Park KJ, et al.

Carcinoma ex microcystic adenoma of the pancreas: a report of a novel form of malignancy in serous neoplasms.

Am J Surg Pathol 2012 Feb;36(2): p305-10

Zhu H; Qin L, et al.

Combined serous microcystic adenoma and well-differentiated endocrine pancreatic neoplasm: a case report and review of the literature.

Arch Pathol Lab Med 2003 Oct;127(10): p1369-72  
Slukvin II; Hafez GR, et al.

Cystic neoplasms of the pancreas.  
Am J Clin Pathol 2003 Jun;119 Suppl:S3-16  
Goldsmith JD

**Case No. 8, Accession No. 31436**

**May 2013**

Baldwin Park (Kaiser Baldwin Park Medical Center) - Pancreatic neuroendocrine tumor  
Duarte (City of Hope) - NET, pancreas (2)  
Glendale - Pancreatic endocrine tumor  
Hayward (St. Rose Hospital) - Pancreatic endocrine neoplasm  
Lakewood - Neuroendocrine tumor (well-differentiated carcinoma)  
Oakland (Alameda County Medical Center) - Pancreatic endocrine tumor  
Orinda (Kaiser Permanente) - Acinar cell carcinoma  
Oxnard (St. John's Regional Medical Center) - Acinic cell carcinoma (3)  
Santa Barbara (Miramonte Laboratory) - Acinar cell carcinoma  
Woodland Hills (Kaiser Permanente) - Acinar cell carcinoma  
Alabama (Cunningham Pathology, LLC) - Pancreatic islet cell tumor  
Arkansas (Associated Pathology Laboratory) - Acinar cell carcinoma  
Colorado (Fort Collins) - Acinar cell carcinoma  
Colorado (University of Colorado) - Solid pseudopapillary pancreatic tumor  
Connecticut (Danbury Hospital) - Acinar cell carcinoma  
Delaware (Armed Forces Medical Examiner System) - Acinar cell carcinoma  
Florida (Gastroenterology Associates of Ocala) - Intraductal oncocytic papillary neoplasm  
Georgia, Atlanta - Pancreatic endocrine tumor  
Georgia (Emory University Hospital Residents) - Neuroendocrine tumor  
Illinois (Heartland Regional Medical Center) - Acinar cell carcinoma  
Kansas (Peterson Laboratory Service) - Acinar cell carcinoma  
Louisiana (LSU Medical Center) - Pancreatic neoplasm consistent with carcinoid features  
Maryland (University of Maryland Medical System) - Pancreatic endocrine neoplasm  
Massachusetts (University of Massachusetts Medical Center Residents) - Acinar cell carcinoma  
Minnesota (Fairview Ridges Hospital) - Pancreatic endocrine tumor  
Mississippi (University of Mississippi Medical Center) - Pancreatic neuroendocrine tumor  
Missouri (Missouri Delta Medical Center) - Neuroendocrine tumor  
Nebraska (Creighton University Medical Center) - Acinar cell carcinoma  
New York (Erie County Medical Center) - Pancreatic endocrine neoplasm  
North Carolina, Wilson - Pancreatic endocrine neoplasm  
Pennsylvania (Residents of Hahnemann University Hospital) - Solid pseudopapillary tumor  
Pennsylvania (Lehigh Valley Hospital) - Pancreatic endocrine neoplasm  
Pennsylvania (Magee Women's Hospital of UPMC) - Pancreatic endocrine neoplasm  
Puerto Rico (University of Puerto Rico) - Pancreatic neuroendocrine neoplasm  
South Carolina (Medical University of South Carolina Residents) - Neuroendocrine carcinoma  
Texas (Crystal Beach) - Islet cell tumor (carcinoma probable)  
Texas, Lubbock - Neuroendocrine carcinoma  
Texas (Scott & White Memorial Hospital) - Acinar cell carcinoma  
Washington (Seattle VAMC) - Pancreatic epithelial neoplasm (exocrine vs endocrine probably acinar carcinoma)  
West Virginia, Charleston - Carcinoma favor acinar cell carcinoma  
West Virginia (Greenbrier Valley Medical Center) - Ductal adenocarcinoma  
Wisconsin, Madison - Pancreatic endocrine tumor  
Wisconsin (Medical Assessment and Consultation, SC) - Pancreatic endocrine neoplasm (PEN)  
Australia (Royal Hobart Hospital) - Well-differentiated pancreatic endocrine neoplasm  
Australia (St. Vincent's Hospital) - Acinic cell carcinoma  
Australia (The Western Hospital) - Neuroendocrine tumor, grade 1  
Brazil (CIDAP) - Acinar cell carcinoma

Canada (Pasqua Hospital) - Well-differentiated neuroendocrine neoplasm  
Canada (University of Sherbrooke) - Well differentiated neuroendocrine tumor, pancreas  
Ireland (Bon Secours Hospital) - Acinar cell carcinoma  
Ireland (Galway University Hospitals Residents) - Acinar cell carcinoma  
Ireland (Kerry General Hospital) - Pancreatic endocrine tumor  
Japan (Asahi General Hospital) - Neuroendocrine tumor (1); Acinar cell carcinoma (1)  
Japan (Setagaya-Ku) - Solid papillary neoplasm  
Japan (Wakayama Medical University) - Acinar cell carcinoma  
Saudi Arabia (Khoula Hospital) - Pancreatic endocrine neoplasm  
Saudi Arabia (King Khalid University Hospital) - Acinar cell carcinoma  
The Netherlands (Amstelveen NL) - Acinar cell carcinoma/mixed acinar and neuroendocrine tumor  
United Kingdom (John Radcliffe Hospital) - Acinar cell carcinoma

#### **Case 8 - Diagnosis:**

Acinar cell carcinoma, pancreas

#### **Case 8 - References:**

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.

Intraductal and papillary variants of acinar cell carcinomas: a new addition to the challenging differential diagnosis of intraductal neoplasms.  
 Am J Surg Pathol 2007 Mar;31(3): p363-70  
 Basturk O; Zamboni G, et al.

Cytology of pancreatic acinar cell carcinoma.  
 Diagn Cytopathol 2006 May;34(5): p367-72  
 Stelow EB; Bardales RH, et al.

Acinar cell carcinoma of the pancreas: clinical analysis of 115 patients from Pancreatic Cancer Registry of Japan  
 Pancreas Society.  
 Pancreas 2007 Jul;35(1): p42-6  
 Kitagami H; Kondo S, et al.

Pancreatic endocrine tumour with ductules: further observations of an unusual histological subtype.  
 Pathology 2006 Feb;38(1): p5-9  
 Chetty R; Serra S, et al.

#### **Case No. 9, Accession No. 31466**

**May 2013**

Baldwin Park (Kaiser Baldwin Park Medical Center) - T-cell lymphoma  
Duarte (City of Hope) - Enteropathy-associated T-cell lymphoma (2)  
Glendale - Lymphoma  
Hayward (St. Rose Hospital) - T-cell lymphoma, enteropathy type  
Lakewood - Mantle cell lymphoma  
Oakland (Alameda County Medical Center) - T-cell lymphoma  
Orinda (Kaiser Permanente) - T-cell lymphoma, enteropathy-type  
Oxnard (St. John's Regional Medical Center) - T-cell lymphoma (3)  
Santa Barbara (Miramonte Laboratory) - T-cell lymphoma  
Woodland Hills (Kaiser Permanente) - Enteropathy-type T-cell lymphoma  
Alabama (Cunningham Pathology, LLC) - Enteropathy type T-cell lymphoma, monomorphic variant  
Arkansas (Associated Pathology Laboratory) - Enteropathy T-cell lymphoma, type II  
Colorado (Fort Collins) - Enteropathy associated T-cell lymphoma  
Colorado (University of Colorado) - T-cell lymphoma

Connecticut (Danbury Hospital) - T-cell lymphoma  
Delaware (Armed Forces Medical Examiner System) - Enteropathy associated T-cell lymphoma  
Florida (Gastroenterology Associates of Ocala) - Enteropathy type intestinal B-cell lymphoma, type B  
Georgia, Atlanta - Enteropathy associated T-cell lymphoma  
Georgia (Emory University Hospital Residents) - Enteropathy associated T-cell lymphoma  
Illinois (Heartland Regional Medical Center) - T-cell lymphoma, enteropathy type  
Kansas (Peterson Laboratory Service) - Enteropathy-type T-cell lymphoma, type 2  
Louisiana (LSU Medical Center) - Enteropathy T-cell lymphoma  
Maryland (University of Maryland Medical System) - Enteropathy associated T-cell lymphoma  
Massachusetts (University of Massachusetts Medical Center Residents) - Enteropathy associated T-cell lymphoma, type II  
Minnesota (Fairview Ridges Hospital) - Enteritis-associated T-cell lymphoma  
Mississippi (University of Mississippi Medical Center) - NK/T-cell lymphoma  
Missouri (Missouri Delta Medical Center) - T-cell lymphoma (EATL), type 2  
Nebraska (Creighton University Medical Center) - Enteropathy associated T-cell lymphoma, type II  
New York (Erie County Medical Center) - T-cell lymphoma, NOS  
North Carolina, Wilson - Enteropathy associated T-cell lymphoma  
Pennsylvania (Residents of Hahnemann University Hospital) - Enteropathy-associated T-cell lymphoma  
Pennsylvania (Lehigh Valley Hospital) - Enteropathy associated T-cell lymphoma  
Pennsylvania (Magee Women's Hospital of UPMC) - T-cell lymphoma  
Puerto Rico (University of Puerto Rico) - Enteropathy associated T-cell lymphoma, type II  
South Carolina (Medical University of South Carolina Residents) - Enteropathy induced T-cell lymphoma  
Texas (Crystal Beach) - Lymphoma  
Texas, Lubbock - Peripheral T-cell lymphoma  
Texas (Scott & White Memorial Hospital) - Natural killer cell lymphoma  
Washington (Seattle VAMC) - Malignant lymphoma, T-cell  
West Virginia, Charleston - Enteropathy-associated T-cell lymphoma  
West Virginia (Greenbrier Valley Medical Center) - Malignant lymphoma  
Wisconsin, Madison - T-cell lymphoma  
Wisconsin (Medical Assessment and Consultation, SC) - Enteropathy associated large T-cell non-Hodgkin lymphoma  
Australia (Royal Hobart Hospital) - Enteropathy associated T-cell lymphoma, type II  
Australia (St. Vincent's Hospital) - Interstitial T-cell lymphoma  
Australia (The Western Hospital) - Non-Hodgkin's lymphoma favoring extranodal NK/T-cell lymphoma  
Brazil (CIDAP) - T-cell lymphoma  
Canada (Pasqua Hospital) - T-cell lymphoma  
Canada (University of Sherbrooke) - Enteropathy associated T-cell lymphoma, jejunum  
Ireland (Bon Secours Hospital) - Enteropathy type T-cell lymphoma  
Ireland (Galway University Hospitals Residents) - Enteropathy associated T-cell lymphoma  
Ireland (Kerry General Hospital) - Extranodal NK/T-cell lymphoma, nasal-type  
Japan (Asahi General Hospital) - Monomorphic CD56+ intestinal T-cell lymphoma (2)  
Japan (Setagaya-Ku) - Gastrointestinal stromal tumor  
Japan (Wakayama Medical University) - NK/T-cell lymphoma  
Saudi Arabia (Khoula Hospital) - Extranodal T-cell lymphoma; DD: Enteropathy associated T-cell lymphoma  
Saudi Arabia (King Khalid University Hospital) - Enteropathy associated T-cell lymphoma  
The Netherlands (Amstelveen NL) - Enteropathy associated T-cell lymphoma  
United Kingdom (John Radcliffe Hospital) - Enteropathy T-cell lymphoma

#### **Case 9 - Diagnosis:**

Enteropathy associated T-cell lymphoma, small intestine

#### **Case 9 - References:**

Enteropathy-type T-cell lymphoma.  
 Am J Clin Pathol 2007 May;127(5): p701-6  
 Zettl A; de Leeuw R, et al.

Enteropathy-associated T-cell lymphoma involving the colon and extraintestinal B-cell lymphoma in celiac disease.



Dig Dis Sci 2003 Jul;48(7): p1298-302  
Varadarajulu S; Lewin D

Enteropathy-type T-cell lymphoma after intestinal diffuse large B-cell lymphoma.  
Am J Surg Pathol 2007 Mar;31(3): p476-80  
Nava VE; Cohen P, et al.

Type II enteropathy-associated T-cell lymphoma: a distinct aggressive lymphoma with frequent (acute) T-cell receptor expression.  
Am J Surg Pathol 2011 Oct;35(10): p1557-69  
Chan JK; Chan AC, et al.

Enteropathy-associated T-cell lymphoma: clinical and histological findings from the international peripheral T-cell lymphoma project.  
Blood 2011 Jul 7;118(1): p148-55  
Delabie J; Holte H, et al.

**Case No. 10, Accession No. 24172**

**May 2013**

Baldwin Park (Kaiser Baldwin Park Medical Center) - Neuroendocrine carcinoma  
Duarte (City of Hope) - Squamous carcinoma, cecum (2)  
Glendale - Squamous cell carcinoma  
Hayward (St. Rose Hospital) - Squamous carcinoma, poorly differentiated  
Lakewood - Poorly differentiated adenosquamous carcinoma  
Oakland (Alameda County Medical Center) - Adenosquamous carcinoma, metastatic  
Orinda (Kaiser Permanente) - Poorly differentiated neuroendocrine carcinoma  
Oxnard (St. John's Regional Medical Center) - Adenosquamous carcinoma (3)  
Santa Barbara (Miramonte Laboratory) - Metaplastic carcinoma  
Woodland Hills (Kaiser Permanente) - Adenosquamous carcinoma  
Alabama (Cunningham Pathology, LLC) - Neuroendocrine carcinoma, malignant carcinoid tumor  
Arkansas (Associated Pathology Laboratory) - Adenosquamous carcinoma  
Colorado (Fort Collins) - Poorly differentiated carcinoma  
Colorado (University of Colorado) - Neuroendocrine carcinoma  
Connecticut (Danbury Hospital) - Poorly differentiated adenosquamous carcinoma  
Delaware (Armed Forces Medical Examiner System) - Adenosquamous carcinoma  
Florida (Gastroenterology Associates of Ocala) - Adenosquamous carcinoma  
Georgia, Atlanta - Adenosquamous carcinoma  
Georgia (Emory University Hospital Residents) - Primary cecal squamous cell carcinoma vs. poorly differentiated carcinoma with squamous features  
Illinois (Heartland Regional Medical Center) - Poorly differentiated squamous carcinoma  
Kansas (Peterson Laboratory Service) - Adenosquamous carcinoma  
Louisiana (LSU Medical Center) - Squamous cell carcinoma  
Maryland (University of Maryland Medical System) - Adenosquamous carcinoma  
Massachusetts (University of Massachusetts Medical Center Residents) - High grade neuroendocrine neoplasm with squamous differentiation  
Minnesota (Fairview Ridges Hospital) - Squamous/adenosquamous carcinoma  
Mississippi (University of Mississippi Medical Center) - Poorly differentiated adenosquamous carcinoma  
Missouri (Missouri Delta Medical Center) - Squamous cell cancer  
Nebraska (Creighton University Medical Center) - Basaloid carcinoma  
New York (Erie County Medical Center) - Squamous cell carcinoma  
North Carolina, Wilson - Poorly differentiated adenocarcinoma with squamous differentiation  
Pennsylvania (Residents of Hahnemann University Hospital) - Poorly differentiated carcinoma with focal squamous differentiation  
Pennsylvania (Lehigh Valley Hospital) - Neuroendocrine carcinoma with squamous differentiation  
Pennsylvania (Magee Women's Hospital of UPMC) - Poorly differentiated squamous carcinoma  
Puerto Rico (University of Puerto Rico) - Adenosquamous carcinoma

South Carolina (Medical University of South Carolina Residents) - Squamous cell carcinoma of the cecum  
Texas (Crystal Beach) - Carcinoma transitional-like cloacogenic  
Texas, Lubbock - Squamous cell carcinoma  
Texas (Scott & White Memorial Hospital) - Adenosquamous cell carcinoma vs. pure squamous cell carcinoma  
Washington (Seattle VAMC) - Cecal high grade carcinoma  
West Virginia, Charleston - Neuroendocrine carcinoma  
West Virginia (Greenbrier Valley Medical Center) - Adenosquamous cell carcinoma  
Wisconsin, Madison - Poorly differentiated carcinoma with squamous differentiation  
Wisconsin (Medical Assessment and Consultation, SC) - Squamous cell carcinoma  
Australia (Royal Hobart Hospital) - Neuroendocrine carcinoma with squamous differentiation or combine neuroendocrine carcinoma/SCC  
Australia (St. Vincent's Hospital) - Neuroendocrine carcinoma, grade 3 with squamous differentiation  
Australia (The Western Hospital) - Basosquamous carcinoma  
Brazil (CIDAP) - Adenosquamous carcinoma  
Canada (Pasqua Hospital) - Squamous cell carcinoma  
Canada (University of Sherbrooke) - Poorly differentiated squamous cell carcinoma  
Ireland (Bon Secours Hospital) - Squamous carcinoma  
Ireland (Galway University Hospitals Residents) - Adenosquamous carcinoma  
Ireland (Kerry General Hospital) - Invasive neuroendocrine tumor  
Japan (Asahi General Hospital) - Large cell neuroendocrine carcinoma (1); Adenosquamous carcinoma (1)  
Japan (Setagaya-Ku) - Adenosquamous carcinoma  
Japan (Wakayama Medical University) - Squamous cell carcinoma  
Saudi Arabia (Khoula Hospital) - Adenosquamous carcinoma  
Saudi Arabia (King Khalid University Hospital) - Squamous cell carcinoma  
The Netherlands (Amstelveen NL) - Adenosquamous carcinoma  
United Kingdom (John Radcliffe Hospital) - Adenosquamous carcinoma

#### **Case 10 - Diagnosis:**

Poorly differentiated carcinoma with neuroendocrine features, cecum

#### **Case 10 - References:**

Composite papillary intestinal-type adenocarcinoma/poorly differentiated neuroendocrine carcinoma of the ampulla of Vater.

J Clin Pathol 2011 Feb;64(2): p174-7

Vilardell F; Velasco A; Cuevas D; Olsina JJ; Matias-Guiu X

Caecal metastasis from a primary small-cell lung carcinoma.

Hong Kong Med J 2008 Apr;14(2): p152-3

Lau CP; Leung WK

Primary adenosquamous carcinoma of the cecum.

Dig Liver Dis 2012 Mar;44(3): p268

Kondo H; Matsumoto J; Adachi K