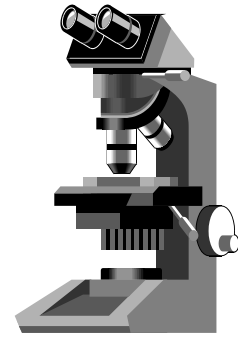




CALIFORNIA  
TUMOR TISSUE REGISTRY



## **“GASTROINTESTINAL PATHOLOGY”**

Minutes – Subscription B

January, 2003

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

Primer on Medical Genomics Part II: Background Principles and Methods in Molecular Genetics.

Tefferi A, Wieben ED, Dewald GW, et al. *Mayo Clin Proc.* 2002 Aug; 77(8):785-808

Primer on Medical Genomics. Part III: Microarray Experiments and Data Analysis. Tefferi A,

Bolander ME, Ansell SM, et al. *Mayo Clin Proc.* 2002 Sep; 77(9):927-940.

Multicystic Mesothelioma. An Analysis of Pathologic Findings and Biologic Behavior in 37 Cases.

Weiss SW, Tavassoli FA. *Am J Surg Pathol.* 1988 Oct; 12(10):737-746.

Gleason Score on Biopsy: Is It Reliable for Predicting the Final Grade on Pathology? Lattouf JB,

Saad F. *BJU Int.* 2002 Nov; 90(7):694-8; discussion 698-699.

Absolute Risk of a Subsequent Abnormal Pap Among Oncogenic Human Papillomavirus DNA-

Positive, Cytologically Negative Women. Castle PE, Wacholder S, Sherman ME, et al. *Cancer.*

2002 Nov 15; 95(10):2145-2151.

### **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 B**

**January 2003**

**Case 1:**

**High grade B-cell lymphoma, stomach**

T-63000, M-95903

**Case 2:**

**Small cell (neuroendocrine) carcinoma, gastro-esophageal junction**

T-62000, M-8041/3

**Case 3:**

**Mesenteric fibromatosis, likely Gardner's syndrome related**

T-64200, M-76100

**Case 4:**

**Hamartomatous polyp with heterotopic gastric mucosa, jejunum**

T-65100, M-75630

**Case 5:**

**Poorly differentiated adenocarcinoma with signet ring cell features (linitis plastica)**

T-63000, M-8142/3

**Case 6:**

**Malignant mesothelioma, peritoneum**

T-Y4400, M-9050/3

**Case 7:**

**Aberrant vascular proliferation consistent with angiodysplasia, rectum**

T-68000, M-74850

**Case 8:**

**Angiosarcoma, liver**

T-56000, M-9120/3

**Case 9:**

**Kaposi's sarcoma, small intestine**

T-64000, M-9140/3

**Case 10:**

**Mucinous cystic tumor (cystadenoma), pancreas**

T-59000, M-8470/0

Escondido - Lymphoma  
Glendale - Lymphoma  
Loma Linda - Lymphoma, Hodgkin's  
Modesto (Yosemite Pathology Medical Group) - High grade lymphoma  
Orange (UCI Medical Center Residents) - Lymphoma, large B-cell  
Sacramento (UC Davis Medical Center) - Lymphoma, favor Hodgkin's lymphoma  
Alabama (Cunningham Pathology, LLC) - Diffuse large cell lymphoma  
Arizona (Phoenix Memorial Hospital) - MALToma (Low grade diffuse B-cell lymphoma)  
Arkansas (UAMS, Depth of Pathology) - Extranodal marginal zone B-cell lymphoma, high grade, stomach  
Colorado, Denver - Poorly differentiated carcinoma  
Florida (Monroe Regional Medical Center) - Large cell lymphoma  
Florida (Winter Haven Hospital) - Small cleaved cell lymphoma  
Georgia, Decatur - MALT lymphoma with large cell transformation  
Indiana, Fort Wayne - Lymphoma, stomach  
Illinois (Marion Memorial Hospital) - Malignant lymphoma, diffuse, large cell type  
Kansas (Coffeyville Regional Medical Center) - Gastric lymphoma (Maltoma?)  
Maryland (NIH - Pathology) - MALT  
Maryland (National Naval Medical Center) - Malignant lymphoma, MALT type (9)  
Maryland (University of Maryland Residency Program) - Undifferentiated gastric carcinoma  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Favor diffuse large B-cell lymphoma  
Michigan (Spectrum Health) - Malignant lymphoma, low-grade  
Michigan (St. Joseph Mercy Hospital) - Large cell lymphoma  
Minnesota (United Hospital) - Malignant lymphoma, large cell, with chronic active gastritis and probable MALT lymphoma  
Mississippi (University of Mississippi Medical Center) - Malignant lymphoma, possibly T-cell  
Nebraska (Good Samaritan Hospital) - Gastric high-grade lymphoma  
New Mexico (University of New Mexico) - Diffuse large cell lymphoma  
New York (Nassau University Medical Center Group) - Maltoma, stomach  
New York (Westchester Medical Center) - Diffuse large B-cell lymphoma arising from gastric MALT  
Ohio (Medical College of Ohio Residents) - Gastric non-Hodgkin lymphoma, predominantly diffuse large cell type  
Oklahoma (Reynolds Army Community Hospital) - Poorly differentiated malignant neoplasm, favor lymphoma  
Pennsylvania (Allegheny General Hospital) - Large B-cell lymphoma  
Pennsylvania (Magee Women's Hospital) - Lymphoma  
Pennsylvania (Memorial Medical Center) - Lymphoma  
Pennsylvania, Pittsburgh - Lymphoma, T cell/Hodgkin's  
Texas, Houston - Diffuse large cell lymphoma  
Texas, Lubbock - Large cell lymphoma  
Texas, San Antonio - Poorly differentiated malignant, favor carcinoma  
Texas (Scott & White Hospital) - Large cell lymphoma  
Utah (St. Mark's Hospital) - Large cell lymphoma  
Washington, DC - Malignant lymphoma  
Canada (CUSE, Site Fleurimont) - MALTOMA  
Canada (Foothills Hospital) - Malignant lymphoma  
Japan, Chiba - Malignant lymphoma, pleomorphic type, medium and large cell type  
Japan (Gunma University) - Malignant lymphoma, non-Hodgkin, diffuse large cell  
Japan (Hamamatsu University School of Medicine) - Follicular dendritic cell tumor  
Japan (Saiseikai Shiga Hospital) - Malignant lymphoma (susp. of T-cell) associated with lymphocytic gastritis  
Puerto Rico (University of Puerto Rico) - Diffuse large cell lymphoma  
Qatar (Hamad Medical Corporation) - High grade large cell lymphoma  
Spain (Policlinico Vigosa) - High-grade large cell lymphoma  
The Netherlands, Amstelveen - Non-Hodgkin's lymphoma (B-cell)

**Case 1 - Diagnosis:**

**High grade B-cell lymphoma, stomach**

T-63000, M-95903

**Case 1 - References:**

- Ko YH, Han JJ, Noh JH, et al. Lymph Nodes in Gastric B-cell Lymphoma: Pattern of Involvement and Early Histological Changes. *Histopathology*. 2002 Jun; 40(6):497-504.
- Skacel M, Paris PL, Pettay JD, et al. Diffuse Large B-cell Lymphoma of the Stomach: Assessment of Microsatellite Instability, Allelic Imbalance, and Trisomy of Chromosomes 3, 12, and 18. *Diagn Mol Pathol*. 2002 Jun; 11(2):75-82.

- Kodera Y, Nakamura T, Suzuki T, et al. Clinical Relevance of Telomerase Activity in Primary Gastric Lymphoma. *Gastric Cancer*. 2000 Sep 29; 3(2):57-62.
- Mafune KI, Tanaka Y, Suda Y, et al. Outcome of Patients with Non-Hodgkin's Lymphoma of the Stomach After Gastrectomy: Clinicopathologic Study and Reclassification According to the Revised European-American Lymphoma Classification. *Gastric Cancer*. 2001;4(3):137-143.
- Gretschel S, Hunerbein M, Foss HD, et al. Regression of High-grade Gastric B-cell Lymphoma After Eradication of *Helicobacter pylori*. *Endoscopy*. 2001 Sep; 33(9):805-807.

## Case No. 2, Accession No. 20444

January 2003

Escondido - Small cell carcinoma  
Glendale - Neuroendocrine carcinoma  
Loma Linda - Anaplastic carcinoma  
Modesto (Yosemite Pathology Medical Group) - Poorly differentiated carcinoma with neuroendocrine differentiation  
Orange (UCI Medical Center Residents) - Neuroendocrine carcinoma  
Sacramento (UC Davis Medical Center) - Poorly differentiated carcinoma with neuroendocrine feature  
Alabama (Cunningham Pathology, LLC) - Small cell carcinoma  
Arizona (Phoenix Memorial Hospital) - Poorly differentiated adenocarcinoma  
Arkansas (UAMS, Depth of Pathology) - Adenocarcinoma, poorly differentiated, GE junction  
Colorado, Denver - Malignant neuroendocrine carcinoma  
Florida (Monroe Regional Medical Center) - Signet cell adenocarcinoma rule out metastatic lobular carcinoma  
Florida (Winter Haven Hospital) - Neuroendocrine carcinoma + adenocarcinoma  
Georgia, Decatur - Poorly differentiated neuroendocrine (small cell) carcinoma  
Indiana, Fort Wayne - Anaplastic carcinoma, esophago-gastric junction  
Illinois (Marion Memorial Hospital) - Undifferentiated carcinoma  
Kansas (Coffeyville Regional Medical Center) - Neuroendocrine carcinoma  
Maryland (NIH - Pathology) - Small cell carcinoma  
Maryland (National Naval Medical Center) - Poorly differentiated carcinoma (6); Poorly differentiated carcinoma with coexistent lymphoma (3)  
Maryland (University of Maryland Residency Program) - Poorly differentiated carcinoma with neuroendocrine features  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Undifferentiated carcinoma (small foci of adenocarcinoma)  
Michigan (Spectrum Health) - Undifferentiated carcinoma  
Michigan (St. Joseph Mercy Hospital) - Poorly differentiated carcinoma (? metastatic breast)  
Minnesota (United Hospital) - Poorly differentiated carcinoma  
Mississippi (University of Mississippi Medical Center) - Undifferentiated carcinoma  
Nebraska (Good Samaritan Hospital) - Undifferentiated carcinoma  
New Mexico (University of New Mexico) - Poorly differentiated endocrine carcinoma  
New York (Nassau University Medical Center Group) - Undifferentiated carcinoma vs. neuroendocrine large cell carcinoma  
New York (Westchester Medical Center) - Poorly differentiated carcinoma  
Ohio (Medical College of Ohio Residents) - Undifferentiated gastric carcinoma  
Oklahoma (Reynolds Army Community Hospital) - Undifferentiated carcinoma  
Pennsylvania (Allegheny General Hospital) - Small cell carcinoma  
Pennsylvania (Magee Women's Hospital) - Poorly differentiated carcinoma  
Pennsylvania (Memorial Medical Center) - Poorly differentiated adenocarcinoma with neuroendocrine features  
Pennsylvania, Pittsburgh - Poorly differentiated carcinoma with focal neuroendocrine features  
Texas, Houston - Small cell carcinoma  
Texas, Lubbock - Large cell neuroendocrine carcinoma  
Texas, San Antonio - Poorly differentiated carcinoma  
Texas (Scott & White Hospital) - Neuroendocrine carcinoma  
Utah (St. Mark's Hospital) - Undifferentiated carcinoma  
Washington, DC - Undifferentiated tumor (melanoma ?)  
Canada (CUSE, Site Fleurimont) - Composite carcinoma  
Canada (Foothills Hospital) - Poorly differentiated carcinoma  
Japan, Chiba - Poorly differentiated carcinoid tumor of stomach  
Japan (Gunma University) - Undifferentiated carcinoma  
Japan (Hamamatsu University School of Medicine) - Neuroendocrine carcinoma, poorly differentiated  
Japan (Saiseikai Shiga Hospital) - Undifferentiated sarcoma  
Puerto Rico (University of Puerto Rico) - Desmoplastic small round cell tumor/neuroendocrine carcinoma  
Qatar (Hamad Medical Corporation) - Small cell (neuroendocrine) carcinoma  
Spain (Policlinico Vigosa) - Diffuse undifferentiated carcinoma  
The Netherlands, Amstelveen - Neuroendocrine carcinoma

## **Case 2 - Diagnosis:**

### **Small cell (neuroendocrine) carcinoma, gastro-esophageal junction**

T-62000, M-8041/3

## **Case 2 - References:**

- Kimura H, Konishi K, Kaji M, et al. Highly Aggressive Behavior and Poor Prognosis of Small Cell Carcinoma in the Stomach: Flow Cytometric and Immunohistochemical Analysis. *Oncol Rep.* 1999 Jul-Aug; 6(4):767-772.
- Matsui K, Jin XM, Kitagawa M, et al. Clinicopathologic features of neuroendocrine carcinomas of the stomach: appraisal of small cell and large cell variants. *Arch Pathol Lab Med.* 1998 Nov; 122(11):1010-1017.
- Kanahara T, Hirokawa M, Nakamura E, et al. Cytology of Ascitic Fluid in a Patient with Gastric Small Cell Carcinoma. *Acta Cytol.* 2000 Sep-Oct; 44(5):929-930.
- Takaku H, Oka K, Naoi Y, et al. Primary Advanced Gastric Small Cell Carcinoma: A Case Report and Review of the Literature. *Am J Gastroenterol.* 1999 May; 94(5):1402-1404.

## **Case No. 3, Accession No. 21167**

**January 2003**

Escondido - Fibromatosis  
Glendale - Mesenteric fibromatosis  
Loma Linda - Sclerosing peritonitis  
Modesto (Yosemite Pathology Medical Group) - Fibromatosis  
Orange (UCI Medical Center Residents) - Fibromatosis  
Sacramento (UC Davis Medical Center) - Fibromatosis (Gardner's syndrome)  
Alabama (Cunningham Pathology, LLC) - Intra-abdominal fibromatosis  
Arizona (Phoenix Memorial Hospital) - Gastrointestinal stromal tumor  
Arkansas (UAMS, Depth of Pathology) - Intraabdominal fibromatosis  
Colorado, Denver - Leiomyosarcoma  
Florida (Monroe Regional Medical Center) - Fibromatosis  
Florida (Winter Haven Hospital) - Malignant GIST  
Georgia, Decatur - Fibromatosis ? Gardner's syndrome  
Indiana, Fort Wayne - Inflammatory myofibroblastic tumor  
Illinois (Marion Memorial Hospital) - Mesenteric fibromatosis  
Kansas (Coffeyville Regional Medical Center) - Retroperitoneal fibromatosis  
Maryland (NIH - Pathology) - Abdominal desmoid in Gardners  
Maryland (National Naval Medical Center) - Mesenteric fibromatosis  
Maryland (University of Maryland Residency Program) - Mesenteric fibromatosis (Gardner's syndrome)  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Mesenteric desmoid fibromatosis  
Michigan (Spectrum Health) - Fibromatosis  
Michigan (St. Joseph Mercy Hospital) - Desmoid (fibromatosis)  
Minnesota (United Hospital) - Sarcoma  
Mississippi (University of Mississippi Medical Center) - Fibromatosis  
Nebraska (Good Samaritan Hospital) - Mesenteric fibromatosis  
New Mexico (University of New Mexico) - Fibromatosis  
New York (Nassau University Medical Center Group) - Intra-abdominal desmoid tumor, mesentery  
New York (Westchester Medical Center) - Mesenteric fibromatosis  
Ohio (Medical College of Ohio Residents) - Mesenteric fibromatosis, likely related to Gardner's syndrome  
Oklahoma (Reynolds Army Community Hospital) - Sclerosing mesenteritis  
Pennsylvania (Allegheny General Hospital) - Abdominal fibromatosis "desmoid tumor"  
Pennsylvania (Magee Women's Hospital) - Fibromatosis  
Pennsylvania (Memorial Medical Center) - Desmoid tumor  
Pennsylvania, Pittsburgh - Inflammatory myofibroblastic tumor  
Texas, Houston - Mesenteric fibromatosis  
Texas, Lubbock - Fibromatosis  
Texas, San Antonio - Fibromatosis  
Texas (Scott & White Hospital) - Extra abdominal desmoid  
Utah (St. Mark's Hospital) - Mesenteric fibromatosis  
Washington, DC - Leiomyosarcoma  
Canada (CUSE, Site Fleurimont) - GIST, mesenteric  
Canada (Foothills Hospital) - Fibromatosis  
Japan, Chiba - Gastrointestinal stromal tumor  
Japan (Gunma University) - Intraabdominal fibromatosis, probably related to Gardner's syndrome

Japan (Hamamatsu University School of Medicine) - Abdominal desmoid  
Japan (Saiseikai Shiga Hospital) - Intraabdominal fibromatosis  
Puerto Rico (University of Puerto Rico) - Intraabdominal fibromatosis  
Qatar (Hamad Medical Corporation) - Mesenteric fibromatosis  
Spain (Policlinico Vigosa) - Mesenteric fibromatosis  
The Netherlands, Amstelveen - Gastro Intestinal Stromal Tumor (GIST)

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

**Mesenteric fibromatosis, likely Gardner's syndrome related**

T-64200, M-76100

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

Burke AP, Sobin LH, Shekitka KM. Mesenteric Fibromatosis. A Follow-up Study. *Arch Pathol Lab Med.* 1990 Aug; 114(8):832-835.  
 Remmele W, Muller-Lobeck H, Paulus W. Primary Mesenteritis, Mesenteric Fibrosis and Mesenteric Fibromatosis. Report of Four Cases, Pathology, and Classification. *Pathol Res Pract.* 1988 Dec; 184(1):77-85.  
 Clark SK, Smith TG, Katz DE, et al. Identification and Progression of a Desmoid Precursor Lesion in Patients with Familial Adenomatous Polyposis. *Br J Surg.* 1998 Jul; 85(7):970-973.  
 Middleton SB, Phillips RK. Surgery for Large Intra-Abdominal Desmoid Tumors: Report of Four Cases. *Dis Colon Rectum.* 2000 Dec; 43(12):1759-1762; discussion 1762-1763.  
 Yantiss RK, Spiro IJ, Compton CC, et al. Gastrointestinal Stromal Tumor Versus Intra-Abdominal Fibromatosis of the Bowel Wall: A Clinically Important Differential Diagnosis. *Am J Surg Pathol.* 2000 Jul; 24(7):947-957.

### **Case No. 4, Accession No. 21684**

**January 2003**

Escondido - Heterotopic gastric mucosa  
Glendale - Peutz-Jegher's polyp  
Loma Linda - Well differentiated adenocarcinoma  
Modesto (Yosemite Pathology Medical Group) - Peutz-Jegher's polyp  
Orange (UCI Medical Center Residents) - Ectopic gastric mucosa  
Sacramento (UC Davis Medical Center) - Ectopic gastric polyp  
Alabama (Cunningham Pathology, LLC) - Meckel's diverticulum  
Arizona (Phoenix Memorial Hospital) - Tubulovillous adenoma  
Arkansas (UAMS, Depth of Pathology) - Gastric heterotopia, polypoid, jejunum  
Colorado, Denver - Adenoma  
Florida (Monroe Regional Medical Center) - Heterotopia gastric polyp  
Florida (Winter Haven Hospital) - Hyperplastic polyp of ectopic gastric mucosa  
Georgia, Decatur - Meckel's diverticulum  
Indiana, Fort Wayne - Peutz-Jegher's polyp, jejunum  
Illinois (Marion Memorial Hospital) - Hyperplastic polyp with ectopic gastric mucosa  
Kansas (Coffeyville Regional Medical Center) - Ectopic gastric tumor  
Maryland (NIH - Pathology) - Invasive adenocarcinoma  
Maryland (National Naval Medical Center) - Gastric heterotopia/metaplasia (9)  
Maryland (University of Maryland Residency Program) - Gastric heterotopia  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Peutz-Jegher's polyp  
Michigan (Spectrum Health) - Non-adenomatous polyp  
Michigan (St. Joseph Mercy Hospital) - Gastric heterotopia, possible in a Peutz-Jegher's polyp  
Minnesota (United Hospital) - Meckel's diverticulum  
Mississippi (University of Mississippi Medical Center) - Ectopic gastric mucosa  
Nebraska (Good Samaritan Hospital) - Heterotopic gastric mucosa  
New Mexico (University of New Mexico) - Ectopic gastric mucosa  
New York (Nassau University Medical Center Group) - Heterotopia of stomach, jejunum  
New York (Westchester Medical Center) - Hamartomatous polyp with gastric and duodenal heterotopia  
Ohio (Medical College of Ohio, 2<sup>nd</sup> Year AP/CP Residents) - Heterotopic gastric mucosa  
Oklahoma (Reynolds Army Community Hospital) - Peutz-Jegher's polyp  
Pennsylvania (Allegheny General Hospital) - Hamartomatous polyp  
Pennsylvania (Magee Women's Hospital) - Heterotopic gastric mucosa  
Pennsylvania (Memorial Medical Center) - Hyperplastic polyp/Peutz-Jegher's polyp  
Pennsylvania, Pittsburgh - Heterotopic gastric polyp  
Texas, Houston - Peutz-Jegher's polyp with adenomatous changes  
Texas, Lubbock - Tubular adenoma

Texas, San Antonio - Meckel's diverticulum  
Texas (Scott & White Hospital) - Hamartomatous polyp (Peutz-Jegher's polyp)  
Utah (St. Mark's Hospital) - Hamartomatous polyp  
Washington, DC - Hamartomatous polyp  
Canada (CUSE, Site Fleurimont) - Juvenile polyposis, compatible  
Canada (Foothills Hospital) - Polypoid gastric heterotopia  
Japan, Chiba - Heterotopic gastric mucosa  
Japan (Gunma University) - Juvenile polyp  
Japan (Hamamatsu University School of Medicine) - Ectopic fundic mucosa  
Japan (Saiseikai Shiga Hospital) - Gastric heterotopia  
Puerto Rico (University of Puerto Rico) - Gastric choristoma  
Qatar (Hamad Medical Corporation) - Peutz-Jegher's polyp  
Spain (Policlinico Vigosa) - Hamartomatous polyp  
The Netherlands, Amstelveen - Heterotopic gastric mucosa

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

**Hamartomatous polyp with heterotopic gastric mucosa, jejunum**  
 T-65100, M-75630

#### **Case 4 - References:**

Sone Y, Nakano S, Takeda I, et al. Solitary Hamartomatous Polyp of Peutz-Jeghers Type in the Jejunum Resected Endoscopically. *Gastrointest Endosc.* 2000 May; 51(5):620-622.  
 Cho GJ, Bergquist K, Schwartz AM. Peutz-Jeghers Syndrome and the Hamartomatous Polyposis Syndromes: Radiologic-Pathologic Correlation. *Radiographics.* 1997 May-Jun; 17(3):785-791.  
 Hizawa K, Iida M, Matsumoto T, et al. Neoplastic Transformation Arising in Peutz-Jeghers Polyposis. *Dis Colon Rectum.* 1993 Oct; 36(10):953-957.  
 Bujanda L, Beguiristain A, Villar JM, et al. Gastric Adenocarcinoma in Hamartomatous Polyp in Peutz-Jeghers Syndrome. *Gastroenterol Hepatol.* 1996 Nov; 19(9):452-455.

#### **Case No. 5, Accession No. 12412**

**January 2003**

Escondido - Signet ring carcinoma  
Glendale - Signet ring cell carcinoma  
Loma Linda - Anaplastic carcinoma – linitis plastica  
Modesto (Yosemite Pathology Medical Group) - Signet ring carcinoma  
Orange (UCI Medical Center Residents) - Poorly differentiated adenocarcinoma diffuse type (signet ring cell)  
Sacramento (UC Davis Medical Center) - Gastric adenocarcinoma, diffuse type  
Alabama (Cunningham Pathology, LLC) - Inflammatory fibroid polyp (Vanek's tumor)  
Arizona (Phoenix Memorial Hospital) - Signet ring cell adenocarcinoma  
Arkansas (UAMS, Depth of Pathology) - Gastric adenocarcinoma, poorly differentiated signet ring cell type  
Colorado, Denver - GIST  
Florida (Monroe Regional Medical Center) - Signet cell adenocarcinoma  
Florida (Winter Haven Hospital) - Signet cell adenocarcinoma  
Georgia, Decatur - Poorly differentiated adenocarcinoma with focal signet ring cell  
Indiana, Fort Wayne - Fibroinflammatory polyp, stomach  
Illinois (Marion Memorial Hospital) - Signet ring cell adenocarcinoma  
Kansas (Coffeyville Regional Medical Center) - Signet ring cell carcinoma (linitis plastica?)  
Maryland (NIH - Pathology) - Infiltrating gastric carcinoma with signet ring cell features  
Maryland (National Naval Medical Center) - Poorly differentiated carcinoma (9)  
Maryland (University of Maryland Residency Program) - Poorly differentiated adenocarcinoma with signet ring T cell features  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Signet ring-cell adenocarcinoma  
Michigan (Spectrum Health) - Signet ring carcinoma  
Michigan (St. Joseph Mercy Hospital) - Signet ring cell carcinoma  
Minnesota (United Hospital) - Poorly differentiated adenocarcinoma, linitis plastica  
Mississippi (University of Mississippi Medical Center) - Signet ring cell carcinoma  
Nebraska (Good Samaritan Hospital) - Poorly differentiated gastric carcinoma  
New Mexico (University of New Mexico) - Adenocarcinoma, diffuse type  
New York (Nassau University Medical Center Group) - Diffuse poorly differentiated adenocarcinoma, stomach  
New York (Westchester Medical Center) - Poorly differentiated adenocarcinoma with signet ring features (linitis plastica)  
Ohio (Medical College of Ohio Residents) - Poorly differentiated diffuse gastric adenocarcinoma with focal signet ring cell features  
Oklahoma (Reynolds Army Community Hospital) - Poorly differentiated gastric carcinoma with signet ring cells

Pennsylvania (Allegheny General Hospital) - Gastric carcinoma, signet ring cell type  
Pennsylvania (Magee Women's Hospital) - Poorly differentiated adenocarcinoma – signet ring  
Pennsylvania (Memorial Medical Center) - Poorly differentiated adenocarcinoma with signet ring type  
Pennsylvania, Pittsburgh - Poorly differentiated signet cell adenocarcinoma  
Texas, Houston - Signet ring cell carcinoma  
Texas, Lubbock - Adenocarcinoma  
Texas, San Antonio - Poorly differentiated carcinoma (signet ring)  
Texas (Scott & White Hospital) - Signet ring cell adenocarcinoma  
Utah (St. Mark's Hospital) - Poorly differentiated adenocarcinoma with signet ring cells  
Washington, DC - Adenocarcinoma, signet ring  
Canada (CUSE, Site Fleurimont) - Linitis plastica  
Canada (Foothills Hospital) - Signet ring carcinoma  
Japan, Chiba - Poorly differentiated adenocarcinoma of stomach  
Japan (Gunma University) - Poorly differentiated adenocarcinoma, diffuse type  
Japan (Hamamatsu University School of Medicine) - Poorly differentiated adenocarcinoma, non-solid  
Japan (Saiseikai Shiga Hospital) - Poorly differentiated adenocarcinoma of scirrhous type  
Puerto Rico (University of Puerto Rico) - Signet ring cell carcinoma with associated inflammatory pseudotumor  
Qatar (Hamad Medical Corporation) - Signet ring cell carcinoma (linitis plastica)  
Spain (Policlinico Vigosa) - Diffuse signet ring carcinoma  
The Netherlands, Amstelveen - Poorly differentiated adenocarcinoma

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

##### **Poorly differential adenocarcinoma with signet ring cells (linitis plastica)**

T-63000, M-8142/3

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

Chagnon JP, Barge J, Hay JM, et al. Rectal Linitis 9 Years After Gastric Linitis. *Gastroenterol Clin Biol*. 1983 Jan;7(1):97-98.  
 Hamy A, Letessier E, Bizouarn P, et al. Study of Survival and Prognostic Factors in Patients Undergoing Resection for Gastric Linitis Plastica: A Review of 86 Cases. *Int Surg*. 1999 Oct-Dec; 84(4):337-343.  
 Dussaulx-Garin L, Blayau M, Pagenault M, et al. A New Mutation of E-Cadherin Gene in Familial Gastric Linitis Plastica Cancer with Extra-Digestive Dissemination. *Eur J Gastroenterol Hepatol*. 2001 Jun; 13(6):711-715.  
 Otsuji E, Yamaguchi T, Sawai K, et al. Characterization of signet ring cell carcinoma of the stomach. *J Surg Oncol*. 1998 Apr;67(4):216-220.  
 Hyung WJ, Noh SH, Lee JH, et al. Early Gastric Carcinoma with Signet Ring Cell Histology. *Cancer*. 2002 Jan 1; 94(1):78-83.

#### **Case No. 6, Accession No. 29494**

**January 2003**

Escondido - Epithelioid leiomyosarcoma  
Glendale - Diffuse sarcomatoid mesothelioma  
Loma Linda - GI stromal tumor (vs. carcinoma)  
Modesto (Yosemite Pathology Medical Group) - Mesothelioma  
Orange (UCI Medical Center Residents) - Spindle cell mesothelioma  
Sacramento (UC Davis Medical Center) - Mesothelioma  
Alabama (Cunningham Pathology, LLC) - Undifferentiated anaplastic carcinoma, from pancreatic origin  
Arizona (Phoenix Memorial Hospital) - Malignant mesothelioma, spindle cell type  
Arkansas (UAMS, Depth of Pathology) - Malignant mesothelioma, small bowel  
Colorado, Denver - Malignant mesothelioma  
Florida (Monroe Regional Medical Center) - Malignant mesothelioma  
Florida (Winter Haven Hospital) - Malignant GIST  
Georgia, Decatur - Malignant mesothelioma  
Indiana, Fort Wayne - Peritoneal mesothelioma  
Illinois (Marion Memorial Hospital) - Malignant mesothelioma  
Kansas (Coffeyville Regional Medical Center) - Malignant mesothelioma  
Maryland (NIH - Pathology) - Spindle cell mesothelioma  
Maryland (National Naval Medical Center) - Mesothelioma (8); Sarcomatoid carcinoma (1)  
Maryland (University of Maryland Residency Program) - Biphasic mesothelioma  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Most consistent with sarcomatoid mesothelioma  
Michigan (Spectrum Health) - Mesothelioma  
Michigan (St. Joseph Mercy Hospital) - Sarcomatoid carcinoma  
Minnesota (United Hospital) - Mesothelioma  
Mississippi (University of Mississippi Medical Center) - Sarcomatoid malignant mesothelioma



Nebraska (Good Samaritan Hospital) - Malignant mesothelioma  
New Mexico (University of New Mexico) - Mesothelioma  
New York (Nassau University Medical Center Group) - Mesothelioma, small intestine  
New York (Westchester Medical Center) - Sarcomatoid carcinoma  
Ohio (Medical College of Ohio Residents) - Biphasic peritoneal mesothelioma, predominant sarcomatoid  
Oklahoma (Reynolds Army Community Hospital) - Malignant mesothelioma  
Pennsylvania (Allegheny General Hospital) - Sarcomatoid carcinoma  
Pennsylvania (Magee Women's Hospital) - Spindle cell carcinoma  
Pennsylvania (Memorial Medical Center) - Metaplastic carcinoma/spindle cell carcinoma  
Pennsylvania, Pittsburgh - Mesothelioma  
Texas, Houston - Malignant mesothelioma  
Texas, Lubbock - Mesothelioma  
Texas, San Antonio - Mesothelioma, malignant  
Texas (Scott & White Hospital) - Malignant mesothelioma  
Utah (St. Mark's Hospital) - Malignant mesothelioma  
Washington, DC - GIST (Gastro Intestinal Stromal Tumor)  
Canada (CUSE, Site Fleurimont) - Carcinosarcoma  
Canada (Foothills Hospital) - Malignant mesothelioma  
Japan, Chiba - Malignant mesothelioma  
Japan (Gunma University) - Malignant mesothelioma  
Japan (Hamamatsu University School of Medicine) - Malignant mesothelioma, biphasic  
Japan (Saiseikai Shiga Hospital) - Malignant mesothelioma  
Puerto Rico (University of Puerto Rico) - Malignant mesothelioma  
Qatar (Hamad Medical Corporation) - Metastatic undifferentiated carcinoma with sarcomatoid features  
Spain (Policlinico Vigosa) - Mesothelioma  
The Netherlands, Amstelveen - Mesothelioma?

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

##### **Malignant mesothelioma, peritoneum**

T-Y4400. M-9050/3

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

Stefanini GF, Foschi FG, Marsigli L, A Rare Case of Peritoneal Mesothelioma in a Male with Ascites. *Am J Gastroenterol.* 1994 Dec; 89(12):2257-2259.  
 Anderson JH, Stewart CJ, Hansell DT, et al. Peritoneal Mesothelioma. *Postgrad Med J.* 1990 Oct; 66(780):866-868.  
 Sebbag G, Sugarbaker PH. Peritoneal Mesothelioma Proposal for a Staging System. *Eur J Surg Oncol.* 2001 Apr; 27(3):223-224.  
 Sebbag G, Yan H, Shmookler BM, et al. Results of Treatment of 33 Patients with Peritoneal Mesothelioma. *Br J Surg.* 2000 Nov; 87(11):1587-1593.  
 Gentiloni N, Febbraro S, Barone C, et al. Peritoneal Mesothelioma in Recurrent Familial Peritonitis. *J Clin Gastroenterol.* 1997 Jun; 24(4):276-279.  
 Cook DS, Attanoos RL, Jalloh SS, et al. 'Mucin-Positive' Epithelial Mesothelioma of the Peritoneum: An Unusual Diagnostic Pitfall. *Histopathology.* 2000 Jul;37(1):33-36.

#### **Case No. 7, Accession No. 29197**

**January 2003**

Escondido - Solitary rectal ulcer  
Glendale - Inflammatory fibroid polyp  
Loma Linda - Ulcers with granulation tissue  
Modesto (Yosemite Pathology Medical Group) - Solitary rectal ulcer syndrome  
Orange (UCI Medical Center Residents) - Solitary rectal ulcer syndrome  
Sacramento (UC Davis Medical Center) - Hemangioma  
Alabama (Cunningham Pathology, LLC) - Angiomatosis  
Arizona (Phoenix Memorial Hospital) - "Solitary" rectal ulcer syndrome  
Arkansas (UAMS, Depth of Pathology) - Arteriovenous malformation, rectum  
Colorado, Denver - Vascular malformation  
Florida (Monroe Regional Medical Center) - Solitary ulcer syndrome  
Florida (Winter Haven Hospital) - Angiomatosis  
Georgia, Decatur - Rectal prolapse (solitary rectal ulcer syndrome)  
Indiana, Fort Wayne - Angiomatosis, rectum  
Illinois (Marion Memorial Hospital) - Hemangioma  
Kansas (Coffeyville Regional Medical Center) - Rectal ulcer with angiodysplasia

Maryland (NIH - Pathology) - AVM (Arterio-venous malformation)  
Maryland (National Naval Medical Center) - Vascular proliferation, hemangioma vs. arteriovenous malformation (9)  
Maryland (University of Maryland Residency Program) - Hemangioendothelioma  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Complex vascular malformation  
Michigan (Spectrum Health) - Solitary rectal ulcer  
Michigan (St. Joseph Mercy Hospital) - Arterio-venous malformation  
Minnesota (United Hospital) - Angiosarcoma  
Mississippi (University of Mississippi Medical Center) - Ischemic colitis  
Nebraska (Good Samaritan Hospital) - Hemangioma, capillary  
New Mexico (University of New Mexico) - Hemangioma  
New York (Nassau University Medical Center Group) - Angiodysplasia, rectum  
New York (Westchester Medical Center) - Angiodysplasia  
Ohio (Medical College of Ohio Residents) - Rectal angiomatosis  
Oklahoma (Reynold's Army Community Hospital) - Chronic colitis  
Pennsylvania (Allegheny General Hospital) - Angiodysplasia  
Pennsylvania (Magee Women's Hospital) - Hemangiomatosis proliferation  
Pennsylvania (Memorial Medical Center) - Hemangioma  
Pennsylvania, Pittsburgh - Angiomatosis/rectal prolapse  
Texas, Houston - Hemangioma  
Texas, Lubbock - Benign ulcer  
Texas, San Antonio - Mucosal prolapse, SRUS (Solitary Rectal Ulcer Syndrome)  
Texas (Scott & White Hospital) - Ulceration and granulation tissue with vascular proliferation (DDX: Rectal prolapse syndrome, ischemic radiation induced changes)  
Utah (St. Mark's Hospital) - Angiosarcoma  
Washington, DC - Rectal ulcer/polyp  
Canada (CUSE, Site Fleurimont) - Solitary rectal ulcer syndrome  
Canada (Foothills Hospital) - Vascular malformation  
Japan, Chiba - Kaposi's sarcoma  
Japan (Gunma University) - Hemangioma  
Japan (Hamamatsu University School of Medicine) - A-V (arterio-venous) malformation  
Japan (Saiseikai Shiga Hospital) - Hemangioma  
Puerto Rico (University of Puerto Rico) - Vascular tumor of undetermined significance  
Qatar (Hamad Medical Corporation) - Angio dysplasia (3); Mucosal Prolapse (solitary rectal ulcer) (2)  
Spain (Policlinico Vigosa) - Angiolymphoid hyperplasia with eosinophilia  
The Netherlands, Amstelveen - A-V (arterio-venous) malformation

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

**Aberrant vascular proliferation consistent with angiodysplasia, rectum**

T-68000, M-74850

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

Hochter W, Weingart J, Kuhner W, et al. Angiodysplasia in the Colon and Rectum. Endoscopic Morphology, Localisation and Frequency. *Endoscopy*. 1985 Sep; 17(5):182-185.  
 Duray PH, Marcal JM Jr, LiVolsi VA, et al. Gastrointestinal Angiodysplasia: A Possible Component of Von Willebrand's Disease. *Hum Pathol*. 1984 Jun; 15(6):539-544.  
 Marcuard SP, Weinstock JV. Gastrointestinal Angiodysplasia in Renal Failure. *J Clin Gastroenterol*. 1988 Oct; 10(5):482-484.  
 Thelmo WL, Vetrano JA, Wibowo A, et al. Angiodysplasia of Colon Revisited: Pathologic Demonstration Without the Use of Intravascular Injection Technique. *Hum Pathol*. 1992 Jan; 23(1):37-40.

#### **Case No. 8, Accession No. 19897**

**January 2003**

Escondido - Hepatocellular carcinoma  
Glendale - HCC (hepatocellular carcinoma)  
Loma Linda - Hepatocellular carcinoma  
Modesto (Yosemite Pathology Medical Group) - Hepatocellular carcinoma  
Orange (UCI Medical Center Residents) - Angiosarcoma  
Sacramento (UC Davis Medical Center) - Hemangioendothelioma  
Alabama (Cunningham Pathology, LLC) - Angiosarcoma  
Arizona (Phoenix Memorial Hospital) - Angiosarcoma, liver  
Arkansas (UAMS, Depth of Pathology) - Cholangiocarcinoma, liver  
Colorado, Denver - Hepatoma

Florida (Monroe Regional Medical Center) - Hepatocellular carcinoma  
Florida (Winter Haven Hospital) - Epithelioid hemangioendothelioma  
Georgia, Decatur - Cholangiocarcinoma  
Indiana, Fort Wayne - Hemangioendothelioma, liver  
Illinois (Marion Memorial Hospital) - Epithelioid hemangioendothelioma  
Kansas (Coffeyville Regional Medical Center) - Angiosarcoma, liver  
Maryland (NIH - Pathology) - Angiosarcoma  
Maryland (National Naval Medical Center) - Angiosarcoma (5); Hepatocellular carcinoma (3); Hepatocellular carcinoma/cholangiocarcinoma (1)  
Maryland (University of Maryland Residency Program) - Hepatocellular - cholangiocarcinoma  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Angiosarcoma versus poorly differentiated adenocarcinoma  
Michigan (Spectrum Health) - Bacillary angiomatosis  
Michigan (St. Joseph Mercy Hospital) - Hepatocellular carcinoma  
Minnesota (United Hospital) - Adenocarcinoma  
Mississippi (University of Mississippi Medical Center) - Angiosarcoma  
Nebraska (Good Samaritan Hospital) - Angiosarcoma  
New Mexico (University of New Mexico) - Angiosarcoma  
New York (Nassau University Medical Center Group) - Epithelioid hemangioendothelioma, liver  
New York (Westchester Medical Center) - Epithelioid hemangioendothelioma, liver  
Ohio (Medical College of Ohio Residents) - Epithelioid hemangioendothelioma  
Oklahoma (Reynolds Army Community Hospital) - Hepatocellular carcinoma with cholangiocarcinoma features  
Pennsylvania (Allegheny General Hospital) - Angiosarcoma  
Pennsylvania (Magee Women's Hospital) - Angiosarcoma  
Pennsylvania (Memorial Medical Center) - Angiosarcoma/hemangioendothelioma  
Pennsylvania, Pittsburgh - Hepatocellular carcinoma  
Texas, Houston - Hepatic carcinoma  
Texas, Lubbock - Metastatic adenocarcinoma  
Texas, San Antonio - Angiosarcoma  
Texas (Scott & White Hospital) - Angiosarcoma  
Utah (St. Mark's Hospital) - Epithelioid hemangioendothelioma  
Washington, DC - Hepatocellular carcinoma, poorly differentiated  
Canada (CUSE, Site Fleurimont) - Cholangiocarcinoma  
Canada (Foothills Hospital) - Angiosarcoma  
Japan, Chiba - Angiosarcoma  
Japan (Gunma University) - Bile duct adenocarcinoma, poorly differentiated, liver  
Japan (Hamamatsu University School of Medicine) - Angiomyolipoma  
Japan (Saiseikai Shiga Hospital) - Epithelioid hemangioendothelioma  
Puerto Rico (University of Puerto Rico) - Hepatocellular carcinoma, sclerosing variant  
Qatar (Hamad Medical Corporation) - Hemangioendothelioma  
Spain (Policlinico Vigosa) - Liver cell carcinoma  
The Netherlands, Amstelveen - Hepatocellular carcinoma ?

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

##### **Angiosarcoma, liver**

T-56000, M-9120/3

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

Fulcher AS, Sterling RK. Hepatic Neoplasms: Computed Tomography and Magnetic Resonance Features. *J Clin Gastroenterol*. 2002 Apr; 34(4):463-471.  
 Koyama T, Fletcher JG, Johnson CD, et al. Primary Hepatic Angiosarcoma: Findings at CT and MR Imaging. *Radiology*. 2002 Mar; 222(3):667-673.  
 Guy CD, Yuan S, Ballo MS. Spindle-Cell Lesions of the Liver: Diagnosis by Fine-needle Aspiration Biopsy. *Diagn Cytopathol*. 2001 Aug; 25(2):94-100.  
 Tannapfel A, Weihrauch M, Benicke M, et al. p16INK4A-Alterations in Primary Angiosarcoma of the Liver. *J Hepatol*. 2001 Jul; 35(1):62-67.

#### **Case No. 9, Accession No. 20889**

**January 2003**

Escondido - Kaposi's sarcoma  
Glendale - Kaposi's sarcoma  
Loma Linda - Angiosarcoma (Kaposi's)

Modesto (Yosemite Pathology Medical Group) - Angiodysplasia  
Orange (UCI Medical Center Residents) - KS (Kaposi's sarcoma)  
Sacramento (UC Davis Medical Center) - Kaposi's sarcoma  
Alabama (Cunningham Pathology, LLC) - Kaposi's sarcoma  
Arizona (Phoenix Memorial Hospital) - Kaposi's sarcoma  
Arkansas (UAMS, Depth of Pathology) - Kaposi's sarcoma, small intestine  
Colorado, Denver - GIST (Gastro Intestinal Stromal Tumor)  
Florida (Monroe Regional Medical Center) - Kaposi's sarcoma  
Florida (Winter Haven Hospital) - Angiomatosis  
Georgia, Decatur - Kaposi's sarcoma  
Indiana, Fort Wayne - Kaposi's sarcoma, small bowel  
Illinois (Marion Memorial Hospital) - Kaposi's sarcoma  
Kansas (Coffeyville Regional Medical Center) - Angioleiomyoma  
Maryland (NIH - Pathology) - Spindle cell hemangioma  
Maryland (National Naval Medical Center) - Kaposi's sarcoma (9)  
Maryland (University of Maryland Residency Program) - Kaposi's sarcoma  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Kaposi's sarcoma  
Michigan (Spectrum Health) - Kaposi's sarcoma  
Michigan (St. Joseph Mercy Hospital) - Kaposi's sarcoma  
Minnesota (United Hospital) - Angiosarcoma  
Mississippi (University of Mississippi Medical Center) - Kaposi's sarcoma  
Nebraska (Good Samaritan Hospital) - Kaposi's sarcoma  
New Mexico (University of New Mexico) - Kaposi's sarcoma  
New York (Nassau University Medical Center Group) - Kaposi's sarcoma, small intestine  
New York (Westchester Medical Center) - Kaposi's sarcoma, small intestine  
Ohio (Medical College of Ohio Residents) - Kaposi's sarcoma  
Oklahoma (Reynolds Army Community Hospital) - Kaposi's sarcoma  
Pennsylvania (Allegheny General Hospital) - Kaposi's sarcoma  
Pennsylvania (Magee Women's Hospital) - Kaposi's sarcoma  
Pennsylvania (Memorial Medical Center) - Hemangioendothelioma  
Pennsylvania, Pittsburgh - Kaposi's sarcoma  
Texas, Houston - Kaposi's sarcoma  
Texas, Lubbock - Kaposi's sarcoma  
Texas, San Antonio - Kaposi's sarcoma  
Texas (Scott & White Hospital) - Kaposi's sarcoma  
Utah (St. Mark's Hospital) - Kaposi's sarcoma  
Washington, DC - Kaposi's sarcoma  
Canada (CUSE, Site Fleurimont) - Kaposi's sarcoma  
Canada (Foothills Hospital) - Kaposi's sarcoma  
Japan, Chiba - Kaposi's sarcoma  
Japan (Gunma University) - Kaposi's sarcoma  
Japan (Hamamatsu University School of Medicine) - Kaposi's sarcoma  
Japan (Saiseikai Shiga Hospital) - Kaposi's sarcoma  
Puerto Rico (University of Puerto Rico) - Kaposi's sarcoma  
Qatar (Hamad Medical Corporation) - Kaposi's sarcoma  
Spain (Policlinico Vigosa) - Angiosarcoma vs. Kaposi's sarcoma  
The Netherlands, Amstelveen - Kaposi's sarcoma

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

**Kaposi's sarcoma, small intestine**

T-64000, M-9140/3

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

- Kaplan JE, Masur H, Holmes KK. Guidelines For Preventing Opportunistic Infections Among HIV-Infected Persons--2002. Recommendations of The U.S. Public Health Service and the Infectious Diseases Society of America. *MMWR Recomm Rep*. 2002 Jun 14; 51(RR-8):1-52
- Moses AV, Jarvis MA, Raggo C, et al. Kaposi's Sarcoma-Associated Herpesvirus-Induced Upregulation of the c-kit Proto-Oncogene, as Identified by Gene Expression Profiling, is Essential for the Transformation of Endothelial Cells. *J Virol*. 2002 Aug; 76(16):8383-8399.
- Simonart T, Degraef C, Heenen M, et al. Expression of the Fibroblast/Macrophage Marker 1B10 by Spindle Cells in Kaposi's Sarcoma Lesions and by Kaposi's Sarcoma-Derived Tumor Cells. *J Cutan Pathol*. 2002 Feb; 29(2):72-78

DePond W, Said JW, Tasaka T, et al. Kaposi's Sarcoma-Associated Herpesvirus and Human Herpesvirus 8 (KSHV/HHV8)-Associated Lymphoma of the Bowel. Report of Two Cases in HIV-Positive Men with Secondary Effusion Lymphomas. *Am J Surg Pathol*. 1997 Jun; 21(6):719-724.

Chetty R, Pillay SV. Coexistent Gastric MALT Lymphoma and Kaposi Sarcoma in an HIV Positive Patient. *J Clin Pathol*. 1999 Apr; 52(4):313-316.

## Case No. 10, Accession No. 20494

January 2003

Escondido - Mucinous cystadenoma  
Glendale - Mucinous cystadenoma  
Loma Linda - Cystadenoma pancreas  
Modesto (Yosemite Pathology Medical Group) - Mucinous cystic tumor  
Orange (UCI Medical Center Residents) - Mucinous cystic adenoma  
Sacramento (UC Davis Medical Center) - Pancreatic mucinous neoplasm  
Alabama (Cunningham Pathology, LLC) - Benign mucinous cystic tumor  
Arizona (Phoenix Memorial Hospital) - Mucinous cystadenoma with focal moderate dysplasia  
Arkansas (UAMS, Depth of Pathology) - Mucinous cystadenoma, pancreas  
Colorado, Denver - Cystadenoma  
Florida (Monroe Regional Medical Center) - Mucinous cystic tumor probable borderline  
Florida (Winter Haven Hospital) - Cystadenoma  
Georgia, Decatur - Mucinous cystic neoplasm (cystadenoma) of pancreas  
Indiana, Fort Wayne - Mucinous cystadenoma, pancreas  
Illinois (Marion Memorial Hospital) - Mucinous cystadenoma  
Kansas (Coffeyville Regional Medical Center) - Mucinous cystic tumor, pancreas  
Maryland (NIH - Pathology) - Pancreatic mucinous cystadenoma  
Maryland (National Naval Medical Center) - Mucinous cystic neoplasm (9)  
Maryland (University of Maryland Residency Program) - Mucinous cystadenoma  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Mucinous cystic neoplasm  
Michigan (Spectrum Health) - Borderline mucinous cystic tumor  
Michigan (St. Joseph Mercy Hospital) - Mucinous cystic neoplasm (adenoma)  
Minnesota (United Hospital) - Mucinous cystic tumor - adenoma  
Mississippi (University of Mississippi Medical Center) - Mucinous cystadenoma with ovarian like stroma with focal borderline features  
Nebraska (Good Samaritan Hospital) - Mucinous cystadenoma  
New Mexico (University of New Mexico) - Mucinous cystic adenoma  
New York (Nassau University Medical Center Group) - Mucinous cystadenoma, pancreas  
New York (Westchester Medical Center) - Mucinous cystadenoma of pancreas  
Ohio (Medical College of Ohio Residents) - Mucinous cystic tumor (cystadenoma)  
Oklahoma (Reynolds Army Community Hospital) - Mucinous cystic neoplasm  
Pennsylvania (Allegheny General Hospital) - Mucinous cystic tumor  
Pennsylvania (Magee Women's Hospital) - Mucinous cystadenoma  
Pennsylvania (Memorial Medical Center) - Mucous cystic tumor  
Pennsylvania, Pittsburgh - Mucinous cystadenoma  
Texas, Houston - Mucinous cystadenoma  
Texas, Lubbock - Mucinous neoplasm  
Texas, San Antonio - Mucinous cystic neoplasm  
Texas (Scott & White Hospital) - Mucinous cystic tumor of pancreas  
Utah (St. Mark's Hospital) - Mucinous cystic tumor  
Washington, DC - Mucinous cystadenoma and chronic pancreatitis  
Canada (CUSE, Site Fleurimont) - Mucinous cystadenoma  
Canada (Foothills Hospital) - Mucinous cystic tumor of pancreas  
Japan, Chiba - Mucinous cystadenoma of pancreas  
Japan (Gunma University) - Mucinous cystadenoma, pancreas  
Japan (Hamamatsu University School of Medicine) - Mucinous cystadenoma  
Japan (Saiseikai Shiga Hospital) - Mucinous cystadenoma  
Puerto Rico (University of Puerto Rico) - Mucinous cystadenoma  
Qatar (Hamad Medical Corporation) - Mucinous cyst adenoma of pancreas  
Spain (Policlinico Vigosa) - Mucinous cystic neoplasm (favor cystadenoma)  
The Netherlands, Amstelveen - Mucinous cystic tumor (adenoma)

**Case 10 - Diagnosis:**

**Mucinous cystic tumor (cystadenoma), pancreas**

T-59000, M-8470/0

**Case 10 - References:**

- Yamaguchi K, Tanaka M. Intraductal Papillary-Mucinous Tumor of the Pancreas: A Historical Review of the Nomenclature and Recent Controversy. *Pancreas*. 2001 Jul; 23(1):12-9.
- Papillary-Mucinous Tumor (IPMT) of the Pancreas. *Hepatogastroenterology*. 2001 Jul-Aug; 48(40):962-966.
- Nagasaka T, Nakashima N. Problems in Histological Diagnosis of Intraductal Papillary-Mucinous Tumor (IPMT). *Hepatogastroenterology*. 2001 Jul-Aug; 48(40):972-976.
- Madura JA, Wiebke EA, Howard TJ, et al. Mucin-Hypersecreting Intraductal Neoplasms of the Pancreas: A Precursor to Cystic Pancreatic Malignancies. *Surgery*. 1997 Oct; 122(4):786-792; discussion 792-793.
- Terris B, Ponsot P, Paye F, et al. Intraductal Papillary Mucinous Tumors of the Pancreas Confined to Secondary Ducts Show Less Aggressive Pathologic Features as Compared with Those Involving the Main Pancreatic Duct. *Am J Surg Pathol*. 2000 Oct; 24(10):1372-1377.
- Adsay NV, Klimstra DS, Compton CC. Lesions of The Cystic Pancreas. Introduction. *Semin Diagn Pathol*. 2000 Feb; 17(1):1-6.