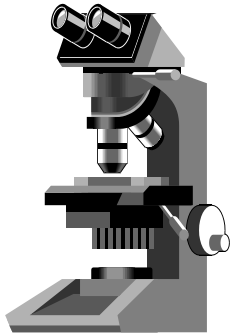


CALIFORNIA  
TUMOR TISSUE REGISTRY



*GASTROINTESTINAL TRACT PATHOLOGY*

Minutes – Subscription A

March 2000

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

- Redefining the Role of Antiarrhythmic Drugs. Podrid PJ, et al. *The New England Journal of Medicine* 1999; 340(24):1910-1911.
- Tumor Suppressor Genes. A Short Review. Yeo, CJ. *Surgery* 1999; 125(4):363-366.
- Post-Transplant Lymphoproliferative Disorder. A Practical Approach. Swerdlow SH. *Sem Diag Pathol* 1997; 14:2.
- Is Intensive Follow-Up Really Able to Improve Prognosis of Patients with Local Recurrence after Curative Surgery for Rectal Cancer? Secco GB, et al. *Annals of Surg Oncol* 1999; 7(1):32-37.
- Neurologic complications of the Reactivation of Varicella-Zoster Virus. Gilden DH, et al. *New England Journal of Medicine* 2000; 342(9):635-645.
- Diagnostic Problems in Surgical Pathology of the Adrenal Glands. Lack EE, et al. *Mod Pathol* 1995; 8(3):312-332.

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)  
Case of the Month: [www.llu.edu/llu/cttr/cotm](http://www.llu.edu/llu/cttr/cotm)

Bakersfield - Inflammatory pseudotumor (xanthogranuloma)  
Riverside - Inflammatory pseudotumor  
Mountain View (El Camino Hospital) - Rosai-Dorfman disease  
Orange (UCI Medical Center Residents) - Extranodal sinus histiocytosis with massive lymphadenopathy (5);  
Inflammatory pseudotumor (3)  
Hayward - Organizing periappendiceal abscess (3)  
Ventura (Unilab) - Crohn's disease (2)  
Santa Rosa - Rosai-Dorfman disease (1); Probable Rosai-Dorfman disease, rule out specific inflammatory reaction (2)  
Santa Barbara (Cottage Hospital) - Sinus histiocytosis with massive lymphadenopathy, extranodal  
Monterey (Community Hospital of Monterey Peninsula) - Sinus histiocytosis with massive lymphadenopathy  
San Diego (Naval Medical Center) - Rosai Dorfman  
Long Beach - Rosai-Dorfman disease (6)  
Michigan (Dearborn) - Sinus histiocytosis with massive lymphadenopathy  
Texas (Texas Tech Medical Health Center) - Chronic inflammatory reaction with hemophagocytosis rule out  
amebiasis  
Nebraska (Creighton University) - Xanthogranuloma  
Florida (Monroe Regional Medical Center) - Rosai-Dorfman disease  
Maryland (University of Maryland) - Rosai-Dorfman disease (extra nodal sinus histiocytosis with massive  
lymphadenopathy)  
Maryland (Woodbine) - Rosai-Dorfman disease (2)  
Maryland (National Naval Medical Center) - Inflammatory pseudotumor (6); Yersinia enterocolitis (2)  
New Jersey (Overlook Hospital) - Inflammatory pseudotumor (3)  
Pennsylvania (Lehigh Valley Hospital) - Extranodal Rosai-Dorfman disease  
Pennsylvania (Conemaugh Memorial Hospital) - Malakoplakia  
New York (Montefiore Medical Center) - Extranodal Rosai-Dorfman disease  
New York (Long Island Jewish Medical Center) - Rosai-Dorfman disease  
Connecticut (University of Connecticut Health Center) - Rosai-Dorfman disease  
Canada (Foothills Hospital) - Mesenteritis (sclerosing)  
Japan (Shimada City) - Sclerosing mesenteritis  
Australia (Sydney) - Sinus histiocytosis with massive lymphadenopathy

**DIAGNOSIS:**

**Extranodal Rosai-Dorfman Disease, terminal ileum**

T-65520, M-77810

**CONSULTATION:** Dr. Elaine Jaffe, National Institute of Health, Bethesda, Maryland. "Rosai-Dorfman disease."

**REFERENCES:**

- Foucar E, et al. Sinus Histiocytosis with Massive Lymphadenopathy (Rosai-Dorfman Disease). Review of the Entity. *Semin Diag Pathol* 1990; 7(1):17-73.  
Montgomery EA, et al. Rosai-Dorfman Disease of Soft Tissue. *Am J Surg Pathol* 1992; 16(2):122-129.  
Bergamaschi G, et al. Evidence for a Polyclonal Nature of the Cell Infiltrate in Sinus Histiocytosis with Massive Lymphadenopathy (Rosai-Dorfman Disease). *Br J Haematol* 1995; 91(2):415-418.  
Veinot JP, et al. Soft Tissue Rosai Dorfman Disease Mimicking Inflammatory Pseudotumor. A Diagnostic Pitfall. *Pathol* 1998; 30(1):14-16.

Bakersfield - Neuroendocrine carcinoma  
Riverside - Malignant carcinoid  
Mountain View (El Camino Hospital) - Small cell neuroendocrine carcinoma  
Orange (UCI Medical Center Residents) - Small cell carcinoma  
Hayward - Basaloid carcinoma (1); Small cell carcinoma (2)  
Ventura (Unilab) - Carcinoid (2)  
Santa Rosa - Neuroendocrine carcinoma (2); Small cell carcinoma (neuroendocrine) (1)  
Santa Barbara (Cottage Hospital) - Neuroendocrine carcinoma  
Monterey (Community Hospital of Monterey Peninsula) - Small cell carcinoma  
San Diego (Naval Medical Center) - Neuroendocrine carcinoma  
Long Beach - Carcinoma with neuroendocrine features (6)  
Michigan (Dearborn) - Invasive carcinoma with neuroendocrine and squamous features high grade  
Texas (Texas Tech Medical Health Center) - Poorly differentiated carcinoma with neuroendocrine differentiation  
Nebraska (Creighton University) - Poorly differentiated carcinoma with neuroendocrine features  
Florida (Monroe Regional Medical Center) - Neuroendocrine carcinoma  
Maryland (University of Maryland) - Poorly differentiated neuroendocrine carcinoma  
Maryland (Woodbine) - Small cell carcinoma (1); Neuroendocrine carcinoma (1)  
Maryland (National Naval Medical Center) - Small cell neuroendocrine tumor  
New Jersey (Overlook Hospital) - Cloacogenic carcinoma (1); Small cell neuroendocrine carcinoma (2)  
Pennsylvania (Lehigh Valley Hospital) - Small cell neuroendocrine carcinoma  
Pennsylvania (Conemaugh Memorial Hospital) - Basaloid carcinoma with neuroendocrine differentiation  
New York (Montefiore Medical Center) - Small cell neuroendocrine carcinoma  
New York (Long Island Jewish Medical Center) - Neuroendocrine carcinoma  
Connecticut (University of Connecticut Health Center) - Small cell carcinoma of colon  
Canada (Foothills Hospital) - Small cell carcinoma (neuroendocrine carcinoma)  
Japan (Shimada City) - Neuroendocrine carcinoma  
Australia (Sydney) - Neuroendocrine carcinoma (3); Small cell carcinoma (1)

**DIAGNOSIS:**

**Small Cell Carcinoma (Neuroendocrine Carcinoma), rectum**  
T-68000, M-80413

**REFERENCES:**

- Gould VE, et al. Neuroendocrine Carcinoma of the Colon. Ultrastructural and Biochemical Evidence of their Secretory Function. *Am J Surg Pathol* 1978; 2(1):31-38.
- Wick MR, et al. Small Cell Neuroendocrine Carcinoma of the Colon and Rectum. Clinical, Histological, and Ultrastructural Comparison with Cloacogenic Carcinoma. Study of Immunohistochemical Comparison. *Hum Pathol* 1987; 18(1):9-21.
- Mills SE, et al. Small Cell Undifferentiated Carcinoma of the Colon. A Clinicopathological Study of Five Cases and Their Association with Colonic Adenomas. *Am J Surg Pathol* 1983; 7(7):643-651.
- Sarsfield P, et al. Small Cell Undifferentiated ("Neuroendocrine") Carcinoma of the Colon. *Histopathol* 1990; 16(4):357-363.
- Saclarides TJ, et al. Neuroendocrine Cancers of the Colon and Rectum. Results of a Ten-Year Experience. *Dis Colon Rectum* 1994; 37(7):635-642.
- Gaffey, MJ, et al. Neuroendocrine Carcinoma of the Colon and Rectum. A Clinicopathologic, Ultrastructural, and Immunohistochemical Study of 24 Cases. *Am J Surg Pathol* 1990; 14(11):1010-1023.

Bakersfield - Inflammatory fibroid polyp  
Riverside - Inflammatory fibroid polyp  
Mountain View (El Camino Hospital) - Inflammatory fibroid polyp  
Orange (UCI Medical Center Residents) - Inflammatory myofibroblastic tumor (inflammatory pseudotumor) (4);  
Liposarcoma, myxoid (4)  
Hayward - Inflammatory fibroid polyp (3)  
Ventura (Unilab) - Myxoid liposarcoma (2)  
Santa Rosa - Gastrointestinal stromal tumor (3)  
Santa Barbara (Cottage Hospital) - Inflammatory fibroid polyp  
Monterey (Community Hospital of Monterey Peninsula) - Stromal tumor  
San Diego (Naval Medical Center) - Inflammatory fibroid polyp  
Long Beach - Inflammatory fibroid polyp (Vanek) (6)  
Michigan (Dearborn) - Inflammatory fibroid polyp  
Texas (Texas Tech Medical Health Center) - GI stromal tumor  
Nebraska (Creighton University) - Inflammatory pseudotumor  
Florida (Monroe Regional Medical Center) - Inflammatory pseudotumor  
Maryland (University of Maryland) - Inflammatory fibroid polyp  
Maryland (Woodbine) - Inflammatory pseudotumor (2)  
Maryland (National Naval Medical Center) - Inflammatory fibroid polyp (9)  
New Jersey (Overlook Hospital) - Inflammatory fibroid polyp (3)  
Pennsylvania (Lehigh Valley Hospital) - Stromal tumor with myxoid changes  
Pennsylvania (Conemaugh Memorial Hospital) - Inflammatory fibroid polyp  
New York (Montefiore Medical Center) - GIST vs. inflammatory pseudotumor  
New York (Long Island Jewish Medical Center) - Inflammatory fibroid polyp (inflammatory pseudotumor)  
Connecticut (University of Connecticut Health Center) - Gastrointestinal stromal tumor of low malignant potential  
Canada (Foothills Hospital) - Inflammatory fibroid polyp  
Japan (Shimada City) - Inflammatory fibroid polyp  
Australia (Sydney) - Inflammatory fibroid polyp

**DIAGNOSIS:**

**Inflammatory Fibroid Polyp, Small Intestine**

T-64000, M-76830

**REFERENCES:**

- Suster S, et al. Inflammatory Fibroid Polyp of the Small Intestine. Ultrastructural and Immunohistochemical Observations. *Ultrastruct Pathol* 1990; 14(2):109-119.
- Myint MA, et al. Inflammatory Pseudotumor of the Ileum. A Report of a Multifocal, Transmural Lesion with Regional Lymph Node Involvement. *Arch Pathol Lab Med* 1994; 118(11):1138-1142.
- Trillo, AA, et al. The Histogenesis of Inflammatory Fibroid Polyps of the Gastrointestinal Tract. *Histopathol* 1991; 19(5):431-436.
- Tada S, et al. Endoscopic Removal of Inflammatory Fibroid Polyps of the Stomach. *Am J Gastroenterol* 1991; 86(9):1247-1250.
- Shih LN, et al. Inflammatory Fibroid Polyp of the Jejunum Causing Intussusception. *Am J Gastroenterol* 1997; 92(1):162-164.
- Wille P, et al. Fibroid Polyps of Intestinal Tract are Inflammatory-Reactive Proliferations of CD34-Positive Perivascular Cells. *Histopathol* 1998; 32(6):498-502.

Bakersfield - Serous cystadenoma  
Riverside - Lymphangioma  
Mountain View (El Camino Hospital) - Benign multicystic mesothelioma  
Orange (UCI Medical Center Residents) - Lymphangioma  
Hayward - Cystic lymphangioma (3)  
Ventura (Unilab) - Lymphangiomatosis (2)  
Santa Rosa - Lymphangioma (3)  
Santa Barbara (Cottage Hospital) - Benign cystic mesothelioma  
Monterey (Community Hospital of Monterey Peninsula) - Lymphangioma  
San Diego (Naval Medical Center) - Benign multilocular peritoneal inclusion cyst  
Long Beach - Benign multicystic mesothelioma (6)  
Michigan (Dearborn) - Multicystic mesothelioma  
Texas (Texas Tech Medical Health Center) - Cystic mesothelioma/lymphangioma  
Nebraska (Creighton University) - Multilocular peritoneal inclusion cysts  
Florida (Monroe Regional Medical Center) - Lymphangioma  
Maryland (University of Maryland) - Multicystic benign mesothelioma (multiple peritoneal inclusion cyst)  
Maryland (Woodbine) - Multicystic mesothelioma (2)  
Maryland (National Naval Medical Center) - Multicystic peritoneal mesothelioma (8); Cystic lymphangioma (2)  
New Jersey (Overlook Hospital) - Benign multicystic mesothelioma (3)  
Pennsylvania (Lehigh Valley Hospital) - Benign multicystic mesothelioma  
Pennsylvania (Conemaugh Memorial Hospital) - Multicystic benign mesothelioma  
New York (Montefiore Medical Center) - Cystic mesothelioma  
New York (Long Island Jewish Medical Center) - Multicystic mesothelioma  
Connecticut (University of Connecticut Health Center) - Multicystic mesothelioma  
Canada (Foothills Hospital) - Lymphangioma  
Japan (Shimada City) - Benign multicystic mesothelioma  
Australia (Sydney) - Multicystic mesothelioma

**DIAGNOSIS:**

**Benign Multicystic Mesothelioma**

T-67000, M-90503

**REFERENCES:**

- Moore JH Jr., et al. Benign Cystic Mesothelioma. *Cancer* 1980; 45(9):2395-2399.  
Mennemeyer R, et al. Multicystic Peritoneal Mesothelioma. A Report with Electron Microscopy of a Case Mimicking Intra-Abdominal Cystic Hygroma (Lymphangioma). *Cancer* 1979; 44(2):692-698.  
Weiss SW, et al. Multicystic Mesothelioma. An Analysis of Pathologic Findings and Biologic Behavior in 37 Cases. *Am J Surg Pathol* 1988; 12(10):737-746.  
Wu YJ, et al. The Mesothelial Keratins. A New Family of Cytoskeletal Proteins Identified in Cultured Mesothelial Cells and Non-Keratinizing Epithelia. *Cell* 1982; 31(3 Pt 2):693-703.  
Zotalis G, et al. Leiomyomatosis Peritonealis Disseminata, Endometriosis, and Multicystic Mesothelioma. An Unusual Association. *Int J Gynecol Pathol* 1998; 17(2):178-182.

Bakersfield - Mucinous cystadenoma  
Riverside - Mucocele  
Mountain View (El Camino Hospital) - Mucinous cystadenoma with mucocele  
Orange (UCI Medical Center Residents) - Acute appendicitis with perforation and granulomatous inflammation  
Hayward - Mucocele, mucosal hyperplasia type (non-neoplastic) (3)  
Ventura (Unilab) - Mucocele (2)  
Santa Rosa - Mucinous cystadenoma by history (3)  
Santa Barbara (Cottage Hospital) - Mucinous hyperplasia  
Monterey (Community Hospital of Monterey Peninsula) - Mucinous cystadenoma  
San Diego (Naval Medical Center) - Mucinous cystadenoma (8); Mucinous hyperplasia (5)  
Long Beach - Circumferential villous adenoma (6)  
Michigan (Dearborn) - Mucosal hyperplasia  
Texas (Texas Tech Medical Health Center) - Pseudomyxoma peritonei  
Nebraska (Creighton University) - Mucinous cystadenoma of appendix (mucocele)  
Florida (Monroe Regional Medical Center) - Mucocele  
Maryland (University of Maryland) - Mucosal hyperplastic of the appendix  
Maryland (Woodbine) - Cystadenoma (2)  
Maryland (National Naval Medical Center) - Mucinous cystadenoma with hyperplastic features  
New Jersey (Overlook Hospital) - Mucocele with hyperplastic mucosa (1); Mucocele with adenomatous transformation (2)  
Pennsylvania (Lehigh Valley Hospital) - Mucinous cystadenoma of appendix (1)  
Pennsylvania (Conemaugh Memorial Hospital) - Arteriovenous malformation  
New York (Montefiore Medical Center) - Diverticulum associated with low grade mucinous cystadenoma  
New York (Long Island Jewish Medical Center) - Mucinous cystadenoma with rupture  
Connecticut (University of Connecticut Health Center) - Mucinous cystadenoma of appendix, borderline malignant potential  
Canada (Foothills Hospital) - Hyperplastic polyp, vermiform appendix  
Japan (Shimada City) - Schistosomiasis  
Australia (Sydney) - Tubulovillous adenoma associated with a mucocele

**DIAGNOSIS:**

**Mucinous Tumor of Uncertain Malignant Potential, Appendix**

T-66000, M-80011

**REFERENCES:**

- Higa E, et al. Mucosal Hyperplasia, Mucinous Cystadenoma, Mucinous Cystadenocarcinoma of the Appendix. A Re-Evaluation of Appendiceal "Mucocele". *Cancer* 1973; 32(6):1525-1541.
- Heithold DL, et al. Appendiceal Intussusception as a Manifestation of Mucinous Cystadenoma of the Appendix. An Interesting Clinical Entity. *Am Surg* 1997; 63(5):390-391.
- Guerrieri C, et al. Mucinous tumors of the Vermiform Appendix and Ovary, and Pseudomyxoma Peritonei. Histogenetic Implications of Cytokeratin 7 Expression. *Hum Pathol* 1997; 28(9):1039-1045.
- Shimizu T, et al. Mucinous Cystadenoma of the Appendix with Raised Serum Carcinoembryonic Antigen Concentration. Clinical and Pathological Features. *J Clin Pathol* 1997; 50(7):613-614.
- Smith JW, et al. Pseudomyxoma Peritonei of Appendiceal Origin. The Memorial Sloan-Kettering Cancer Center Experience. *Cancer* 1992; 70(2):396-401.
- Costa M, et al. Cytology of Pseudomyxoma Peritonei. Report of Two Cases Arising from Appendiceal Cystadenoma. *Diagn Cytopathol* 1990; 6(3):201-203.
- Stevens KJ, et al. Pseudomyxoma Extraperitonei. A Lethal Complication of Mucinous Adenocarcinoma of the Appendix. *Am J Gastroenterol* 1997; 92(10):1920-1922.

Bakersfield - Bile duct hamartoma

Riverside - Angioma

Mountain View (El Camino Hospital) - Infantile hemangioendothelioma

Orange (UCI Medical Center Residents) - Infantile hemangioendothelioma

Hayward - Infantile hemangioendothelioma (3)

Ventura (Unilab) - Infantile hemangioendothelioma (2)

Santa Rosa - Infantile hemangioendothelioma (3)

Santa Barbara (Cottage Hospital) - Infantile hemangioendothelioma

Monterey (Community Hospital of Monterey Peninsula) - Biliary atresia

San Diego (Naval Medical Center) - Infantile hemangioendothelioma

Long Beach - Infantile hemangioendothelioma (6)

Michigan (Dearborn) - Cirrhosis with massive ductal proliferation (cystic fibrosis ?, infantile obstructive cholangiography ?)

Texas (Texas Tech Medical Health Center) - Hamartoma

Nebraska (Creighton University) - Infantile hemangioendothelioma

Florida (Monroe Regional Medical Center) - Extrahepatic biliary atresia

Maryland (University of Maryland) - Infantile hemangioendothelioma

Maryland (Woodbine) - Infantile hemangioendothelioma (2)

Maryland (National Naval Medical Center) - Infantile hemangioendothelioma

New Jersey (Overlook Hospital) - Infantile hemangioendothelioma (3)

Pennsylvania (Lehigh Valley Hospital) - Extrahepatic biliary atresia

Pennsylvania (Conemaugh Memorial Hospital) - Bile duct hamartoma

New York (Montefiore Medical Center) - Multiple hemangioendothelioma of the liver

New York (Long Island Jewish Medical Center) - Infantile hemangioendothelioma

Connecticut (University of Connecticut Health Center) - Infantile hemangioendothelioma

Canada (Foothills Hospital) - Infantile hemangioendothelioma

Japan (Shimada City) - Infantile hemangioendothelioma

Australia (Sydney) - Infantile hemangioendothelioma

## **DIAGNOSIS:**

**Infantile Hemangioendothelioma, Liver**

T-56000, M-91310

## **REFERENCES:**

Dachman AH, et al. Infantile Hemangioendothelioma of the Liver. A Radiographic-Pathologic-Clinical Correlation. *AJR* 1983; 140(6):1091-1096.

Dean PJ, et al. Malignant Hemangioendothelioma of the Liver in a Young Woman. Relationship to Oral Contraceptive Use. *Am J Surg Pathol* 1985;9(10):695-704.

Amonkar P, et al. Infantile Hemangioendothelioma of the Liver. *Med Pediatr Oncol* 1999; 32(5):392-394.

Woltering MC, et al. Hepatic Hemangioendothelioma of Infancy. Treatment with Interferon Alpha. *J Pediatr Gastroenterol Nutr* 1997 24(3):348-351.

Selby DM, et al. Infantile Hemangioendothelioma of the Liver. *Hepatology* 1994; 20(1 Pt 1):39-45.

Bakersfield - Hemangioma  
Riverside - Hemangioma  
Mountain View (El Camino Hospital) - Cavernous hemangioma  
Orange (UCI Medical Center Residents) - Cavernous hemangioma  
Hayward - Intravenous leiomyomatosis, metastatic (2); Hemangioma (1)  
Ventura (Unilab) - Hemangioma (2)  
Santa Rosa - Hemangioma (1); Hemangioma, rule out “low grade” angiosarcoma (1); Low grade hemangiosarcoma, rule out hemangioma (1)  
Santa Barbara (Cottage Hospital) - Cavernous hemangioma  
Monterey (Community Hospital of Monterey Peninsula) - Hemangioma  
San Diego (Naval Medical Center) - Cavernous hemangioma  
Long Beach - Cavernous hemangioma (6)  
Michigan (Dearborn) - Hemangioma  
Texas (Texas Tech Medical Health Center) - Papillary mesothelioma  
Nebraska (Creighton University) - Cavernous hemangioma  
Florida (Monroe Regional Medical Center) - Cavernous hemangioma  
Maryland (University of Maryland) - Cavernous hemangioma  
Maryland (Woodbine) - Cavernous hemangioma (2)  
Maryland (National Naval Medical Center) - Hemangioma  
New Jersey (Overlook Hospital) - Hemangioma (3)  
Pennsylvania (Lehigh Valley Hospital) - Hemangioma  
Pennsylvania (Conemaugh Memorial Hospital) - Hemangiomatosis  
New York (Montefiore Medical Center) - Cavernous hemangioma with (not legible)?  
New York (Long Island Jewish Medical Center) - Cavernous hemangioma  
Connecticut (University of Connecticut Health Center) - Sinusoidal papillary hemangioma  
Canada (Foothills Hospital) - Hemangioma  
Japan (Shimada City) - Lymphangioma  
Australia (Sydney) - Cavernous hemangioma

**DIAGNOSIS:**

**Cavernous Hemangioma, Liver**

T-56000, M-91210

**REFERENCES:**

- Hobbs KE, et al. Hepatic Hemangiomas. *World J Surg* 1990; 14:468-471.  
Stanley P, et al. Infantile Hepatic Hemangioma. Clinical Features, Radiologic Investigations, and Treatment of 20 Patients. *Cancer* 1989; 64(4):936-949.  
Twatsuki S, et al. Excisional Therapy of Benign Hepatic Lesions. *Surg Gynecol Obstet* 1990; 171(3):240-246.  
Johnson CM, et al. Computed Tomography and Angiography of Cavernous Hemangiomas of the Liver. *Radiology* 1981; 138(1):115-121.  
Gibney RG, et al. Sonographically Detected Hepatic Hemangiomas. Absence of Change Over Time. *AJR* 1987; 149(5):953-957.  
Yamamoto T, et al. Spontaneous Rupture of hemangioma of the Liver. Treatment with Transcatheter Hepatic Arterial Embolization. *Am J Gastroenterol* 1991; 86(11):1645-1649.  
Kaw YT, et al. Cytologic Diagnosis of Cavernous Hemangioma of the Liver with Fine-Needle Biopsy. *Diagn Cytopathol* 1991; 7(6):628-630.



Bakersfield - Fibrolamellar variant hepatocellular carcinoma  
Riverside - Hepatocellular carcinoma, sclerosing type  
Mountain View (El Camino Hospital) - Hepatocellular carcinoma  
Orange (UCI Medical Center Residents) - Hepatocellular carcinoma (6); Acinar cell carcinoma (2)  
Hayward - Fibrolamellar carcinoma (3)  
Ventura (Unilab) - Acinar cell carcinoma (2)  
Santa Rosa - Acinar cell carcinoma (3)  
Santa Barbara (Cottage Hospital) - Malignant neoplasm, favor carcinoma, site undetermined  
Monterey (Community Hospital of Monterey Peninsula) - Pheochromocytoma  
San Diego (Naval Medical Center) - Hepatocellular carcinoma (8); Adenocarcinoma (7)  
Long Beach - Fibrolamellar hepatocellular carcinoma (6)  
Michigan (Dearborn) - Acinar cell carcinoma, pancreas  
Texas (Texas Tech Medical Health Center) - Neuroendocrine tumor  
Nebraska (Creighton University) - Pheochromocytoma/acinar cell carcinoma  
Florida (Monroe Regional Medical Center) - Hepatoid adenocarcinoma  
Maryland (University of Maryland) - Hepatocellular carcinoma (5); Acinar cell carcinoma (5)  
Maryland (Woodbine) - Sclerosing hepatocellular carcinoma (2)  
Maryland (National Naval Medical Center) - Hepatocellular carcinoma, fibrolamellar variant  
New Jersey (Overlook Hospital) - Hepatocellular carcinoma (2); Unclassified carcinoma (1)  
Pennsylvania (Lehigh Valley Hospital) - Endocrine carcinoma  
Pennsylvania (Conemaugh Memorial Hospital) - Acinar cell carcinoma, pancreas/Malignant melanoma, metastatic  
New York (Montefiore Medical Center) - Adrenal cortical adenoma vs. adrenal cortical carcinoma vs. hepatoid carcinoma  
New York (Long Island Jewish Medical Center) - Hepatocellular carcinoma favor fibrolamellar type but lacking oncocytic features  
Connecticut (University of Connecticut Health Center) - Fibrolamellar hepatocellular carcinoma  
Canada (Foothills Hospital) - Acinar cell carcinoma  
Japan (Shimada City) - Poorly differentiated carcinoma  
Australia (Sydney) - Hepatocellular carcinoma (3); Fibrolamellar hepatocellular carcinoma (1)

**DIAGNOSIS:****Fibrolamellar Carcinoma, Liver**

T-56000, M-80103

**REFERENCES:**

- Craig J, et al. Fibrolamellar Carcinoma of the Liver. A Tumor of Adolescents and Young Adults with Distinctive Clinicopathologic Features. *Cancer* 1980; 46(2):372-379.
- Berman M, et al. Fibrolamellar Carcinoma of the Liver. An Immunohistochemical Study of Nineteen Cases and a Review of the Literature. *Hum Pathol* 1988; 19(7):784-794.
- Torii A, et al. Tumor Localization as a Prognostic Factor in Hepatocellular Carcinoma. *Hepatology* 1994; 41(1):16-19.
- Epstein BE, et al. Metastatic Nonresectable Fibrolamellar Hepatoma. Prognostic Features and Natural History. *Am J Clin Oncol* 1999; 22(1):22-28.
- Davison FD, et al. HBV-DNA Sequences in Tumor and Nontumor Tissue in a Patient with the Fibrolamellar Variant of Hepatocellular Carcinoma. *Hepatology* 1990; 12(4 Pt 1):676-679.
- Davenport RD. Cytologic Diagnosis of Fibrolamellar Carcinoma of the Liver by Fine-Needle Aspiration. *Diagn Cytopathol* 1990; 6(4):275-279.
- Okano A, et al. Fibrolamellar Carcinoma of the Liver with a Mixture of Ordinary Hepatocellular Carcinoma. A Case Report. *Am J Gastroenterol* 1998; 93(7):1144-1145.

Bakersfield - Clear cell carcinoma  
Riverside - Hepatoma  
Mountain View (El Camino Hospital) - Hepatocellular carcinoma, clear cell type  
Orange (UCI Medical Center Residents) - Hepatocellular carcinoma  
Hayward - Focal nodular hyperplasia, liver (1); Metastatic renal cell carcinoma (2)  
Ventura (Unilab) - Hepatocellular adenoma (2)  
Santa Rosa - Adenoma vs. focal nodular hyperplasia (3)  
Santa Barbara (Cottage Hospital) - Hepatocellular carcinoma, clear cell pattern  
Monterey (Community Hospital of Monterey Peninsula) - Hepatoma –clear cell  
San Diego (Naval Medical Center) - Metastatic renal cell carcinoma  
Long Beach - Hepatoma, grade I (6)  
Michigan (Dearborn) - Hepatocellular carcinoma, well-differentiated  
Texas (Texas Tech Medical Health Center) - Hepatocellular carcinoma, clear cell type  
Nebraska (Creighton University) - Hepatocellular carcinoma, clear cell variant  
Florida (Monroe Regional Medical Center) - Hepatocellular adenoma  
Maryland (University of Maryland) - Multiple hepatocellular adenomatosis vs. well-differentiated hepatocellular carcinoma  
Maryland (Woodbine) - Clear cell hepatocellular carcinoma (2)  
Maryland (National Naval Medical Center) - Clear cell hepatocellular carcinoma (9); Metastatic renal cell carcinoma (1)  
New Jersey (Overlook Hospital) - Hepatocellular carcinoma (3)  
Pennsylvania (Lehigh Valley Hospital) - Hepatocellular carcinoma  
Pennsylvania (Conemaugh Memorial Hospital) - Metastatic adrenal cortical carcinoma/Renal cell adenocarcinoma, metastatic  
New York (Montefiore Medical Center) - Clear cell hepatoma vs. metastatic renal cell carcinoma  
New York (Long Island Jewish Medical Center) - Hepatocellular carcinoma of clear cell type  
Connecticut (University of Connecticut Health Center) - Well-differentiated hepatocellular carcinoma/Liver cell adenoma must be considered  
Canada (Foothills Hospital) - Clear cell hepatocellular carcinoma  
Japan (Shimada City) - Adrenal cortical carcinoma or clear cell hepatocellular carcinoma  
Australia (Sydney) - Hepatocellular carcinoma (2); Metastatic renal cell carcinoma (2)

**DIAGNOSIS:**

**Clear Cell Variant of Hepatocellular Carcinoma, Liver**

T-56000, M-81700

**REFERENCES:**

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Bakersfield - Mucinous cystadenoma  
Riverside - Mucinous cystadenoma  
Mountain View (El Camino Hospital) - Mucinous cystadenoma  
Orange (UCI Medical Center Residents) - Mucinous cystic neoplasm with no stromal invasion  
Hayward - Low grade mucinous carcinoma (3)  
Ventura (Unilab) - Mucinous cystic tumor, adenoma (2)  
Santa Rosa - Mucinous cystadenoma (1); Cystadenoma (2)  
Santa Barbara (Cottage Hospital) - Mucinous cystic neoplasm, borderline  
Monterey (Community Hospital of Monterey Peninsula) - Mucinous cystadenoma  
San Diego (Naval Medical Center) - Mucinous cystic neoplasm (mucinous cystadenoma) (9); Borderline mucinous cystic tumor (4)  
Long Beach - Mucinous cystadenoma (6)  
Michigan (Dearborn) - Mucinous cystic neoplasm  
Texas (Texas Tech Medical Health Center) - Mucinous cystic neoplasm  
Nebraska (Creighton University) - Mucinous neoplasm of pancreas  
Florida (Monroe Regional Medical Center) - Mucinous cystadenoma  
Maryland (University of Maryland) - Mucinous cystic tumor  
Maryland (Woodbine) - Mucinous cystic tumor, borderline (2)  
Maryland (National Naval Medical Center) - Mucinous cystic neoplasm  
New Jersey (Overlook Hospital) - Mucinous cystadenoma (3)  
Pennsylvania (Lehigh Valley Hospital) - Mucinous cystadenoma, borderline  
Pennsylvania (Conemaugh Memorial Hospital) - Mucinous cystadenoma, microcystic type  
New York (Montefiore Medical Center) - Mucinous cystadenoma  
New York (Long Island Jewish Medical Center) - Mucinous cystadenoma  
Connecticut (University of Connecticut Health Center) - Mucinous cystic neoplasm, low malignant potential with ovarian stroma  
Canada (Foothills Hospital) - Mucinous cystic tumor, benign  
Japan (Shimada City) - Mucinous cystoma  
Australia (Sydney) - Mucinous cystic tumor with ovarian-type stroma

**DIAGNOSIS:****Mucinous Cystadenoma, Pancreas**

T-59000, M-84700

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