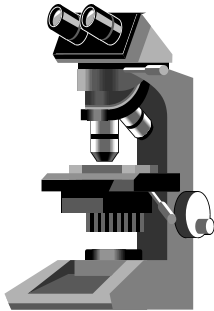


CALIFORNIA  
TUMOR TISSUE REGISTRY



*GENERAL PATHOLOGY*

Minutes – Subscription A

November 1998

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

Epidemiologic Differences Between Women with Extraovarian Primary Peritoneal Carcinoma and Women with Epithelial Ovarian Cancer. *Obstet & Gynecol* 1998; 91(2):254-259. Eltabbakh GH, Piver MS, Nachimuthu NM and Mettlin Curtis J.

California Tumor Tissue Registry  
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INLAND (Riverside/San Bernardino) - Myxoid hemangiopericytoma (2); Hemangioendothelioma (1); Hemangiopericytoma (1)  
ORANGE - Solitary fibrous tumor  
MONTEREY - Hemangioendothelioma  
SANTA BARBARA - Solitary fibrous tumor  
BAY AREA - Solitary fibrous tumor (2); Sclerosing hemangioma (1)  
SANTA ROSA - Solitary fibrous tumor (hemangiopericytoma) (3)  
LONG BEACH - Nodular fasciitis (5)  
SAN DIEGO (Naval Medical Center) - Solitary fibrous tumor (12)  
NEVADA (Reno) - Solitary fibrous tumor  
MICHIGAN (Oakwood) - Solitary fibrous tumor  
MICHIGAN (St. Mary's Hospital) - Solitary fibrous tumor  
MICHIGAN (Foote Hospital) - Solitary fibrous tumor  
MICHIGAN (Ann Arbor) - Solitary fibrous tumor (2); Schwannoma (1); Spindle cell hemangioendothelioma (1)  
NEBRASKA (Creighton) - Hemangiopericytoma  
ILLINOIS (Chicago) - Liposarcoma  
INDIANA (Goshen) - Abdominal fibromatosis (abdominal desmoid)  
IDAHO (Boise) - Kaposi's sarcoma vs. benign angioma  
WISCONSIN (Milwaukee) - Solitary fibrous tumor  
TEXAS (El Paso) - Angiomatoid low grade sarcoma  
LOUISIANA (Shreveport) - Dermatofibrosarcoma protruberans  
FLORIDA (Tallahassee) - Solitary fibrous tumor (4)  
NORTH CAROLINA (WNC Pathology Group) - Solitary fibrous tumor (4)  
KENTUCKY (Louisville) - Solitary fibrous tumor (2)  
MARYLAND (National Naval Medical Ctr) - Solitary fibrous tumor (10)  
MARYLAND (Sinai Hospital) - Solitary fibrous tumor with angiomatoid fibers of left lower abdomen  
MARYLAND (Woodbine) - Solitary fibrous tumor (2)  
NEW YORK (SUNY at Stony Brook Pathol Res) - Schwannoma (9)  
NEW YORK (Brooklyn) - Spindle cell lipoma  
NEW YORK (University of Rochester) - Solitary fibrous tumor  
NEW YORK (Northport) - Solitary fibrous tumor  
NEW JERSEY (Summit) - Benign hemangiopericytoma  
NEW JERSEY (West Orange) - Pleomorphic hyalinizing angiectatic tumor of soft parts  
NEW JERSEY (Short Hills) - Angiomatoid fibrous histiocytoma vs solitary fibrous tumor  
PENNSYLVANIA (BB Group) - Angiosarcoma, low grade  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Solitary fibrous tumor  
PENNSYLVANIA (Lehigh Valley Hospital) - Aggressive angioyxoma (1); Hemangiopericytoma (1); Angiosarcoma (1)  
MASSACHUSETTS (Berkshire Medical Center) - Hemangiopericytoma (lipomatous type) (1); Solitary fibrous tumor (8)  
AUSTRALIA (Royal Prince Alfred Hospital) - Solitary fibrous tumor (8)

**DIAGNOSIS:**

**SOLITARY FIBROUS TUMOR, PELVIC SIDEWALL**  
TY6235, M90510

CONSULTATION: Dr. Lawrence M. Weiss, City of Hope National Medical Center. "Benign Solitary Fibrous Tumor."

**REFERENCES:**

Goodlad AR and Fletcher CD. Solitary Fibrous Tumor Arising at Unusual Sites. Analysis of a Series. *Histopathol* 1991; (6):515-522.

INLAND (Riverside/San Bernardino) - Malignant stromal tumor (1); Leiomyosarcoma with pleomorphic areas (2); Malignant GIST (1)  
ORANGE - Leiomyosarcoma  
MONTEREY - Malignant fibrous histiocytoma  
SANTA BARBARA - Malignant GI stromal tumor (leiomyosarcoma-high grade)  
BAY AREA - Leiomyosarcoma (3)  
SANTA ROSA - GIST R/O leiomyosarcoma (2); Leiomyosarcoma (1)  
LONG BEACH - Leiomyosarcoma (5)  
SAN DIEGO (Naval Medical Center) - Malignant GI stromal tumor (leiomyosarcoma (12)  
NEVADA (Reno) - Leiomyosarcoma  
MICHIGAN (Oakwood) - Malignant GI stromal tumor, high grade  
MICHIGAN (St. Mary's Hospital) - Leiomyosarcoma  
MICHIGAN (Foote Hospital) - Malignant colonic gastro-intestinal stromal tumor  
MICHIGAN (Ann Arbor) - Leiomyosarcoma (4)  
NEBRASKA (Creighton) - Malignant gastrointestinal stromal tumor  
ILLINOIS (Chicago) - Leiomyosarcoma  
INDIANA (Goshen) - Leiomyosarcoma  
IDAHO (Boise) - Leiomyosarcoma  
WISCONSIN (Milwaukee) - Gastrointestinal stromal tumor, malignant with smooth muscle differentiation  
TEXAS (El Paso) - GI stromal tumor (leiomyosarcoma)  
LOUISIANA (Shreveport) - Leiomyosarcoma  
FLORIDA (Tallahassee) - Leiomyosarcoma  
NORTH CAROLINA (WNC Pathology Group) - Malignant stromal tumor of gastrointestinal system (1); Leiomyosarcoma (2); Malignant GIST (1)  
KENTUCKY (Louisville) - Leiomyosarcoma (2)  
MARYLAND (National Naval Medical Ctr) - Leiomyosarcoma (9); Gastrointestinal stromal tumor, malignant (1)  
MARYLAND (Sinai Hospital) - Leiomyosarcoma of right colon  
MARYLAND (Woodbine) - Leiomyosarcoma (2)  
NEW YORK (SUNY at Stony Brook Pathol Res) - Leiomyosarcoma (9)  
NEW YORK (Brooklyn) - Gastrointestinal stromal tumor (leiomyosarcoma)  
NEW YORK (University of Rochester) - GI stromal tumor, malignant  
NEW YORK (Northport) - Leiomyosarcoma  
NEW JERSEY (Summit) - Leiomyosarcoma  
NEW JERSEY (West Orange) - Leiomyosarcoma  
NEW JERSEY (Short Hills) - Malignant GIST (leiomyosarcoma)  
PENNSYLVANIA (BB Group) - Leiomyosarcoma  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Leiomyosarcoma  
PENNSYLVANIA (Lehigh Valley Hospital) - Malignant gastrointestinal stromal tumor (leiomyosarcoma) (3)  
MASSACHUSETTS (Berkshire Medical Center) - GIST, type 1, malignant (i.e. leiomyosarcoma)  
AUSTRALIA (Royal Prince Alfred Hospital) - Leiomyosarcoma (8)

**DIAGNOSIS:**

**LEIOMYOSARCOMA, CECUM**

T67100, M88903

**REFERENCES:**

Fallahzadeh H. Leiomyosarcoma of Colon: Report of Two Cases. *The Amer J* 1995; 61(4):294-296.  
 Finol HJ, Correa M, Marquez A, Tonino P, et al. Ultrastructure of Hepatic Metastases from a Colon Leiomyosarcoma. *J Exp Clin Cancer Res* 1997; 16(4):381-384.  
 Berkley KM. Leiomyosarcoma of the Large Intestine, Excluding Rectum. *Int Surg* 1981; 66(2):177-179.  
 Warkel RL, Stewart JB and Temple AJ. Leiomyosarcoma of the Colon. Report of a Case and Analysis of the Relationship of Histology to Prognosis. *Dis Colon Rectum* 1975; 18(6):501-506.

INLAND (Riverside/San Bernardino) - Extramedullary hematopoiesis with prominent megakaryocytic hyperplasia (2); Myeloid metaplasia (1); Hodgkin's disease (1)  
ORANGE - Extramedullary hematopoiesis  
MONTEREY - Myeloid metaplasia  
SANTA BARBARA - EMH with myeloproliferative disorder, hemosiderosis  
BAY AREA - Myelofibrosis with agnogenic myeloid metaplasia, extramedullary hematopoiesis (atypical megakaryocytes) (3)  
SANTA ROSA - Agnogenic myeloid metaplasia (3)  
LONG BEACH - Extramedullary hematopoiesis (agnogenic myeloid metaplasia) (5)  
SAN DIEGO (Naval Medical Center) - Extramedullary hematopoiesis with dysplastic features consistent with idiopathic myelofibrosis (12)  
NEVADA (Reno) - Extramedullary hematopoiesis  
MICHIGAN (Oakwood) - Myelodysplasia, cannot rule out outright leukemia transformation  
MICHIGAN (St. Mary's Hospital) - Extramedullary hematopoiesis and hemosiderosis (myelofibrosis)  
MICHIGAN (Foote Hospital) - Extramedullary hematopoiesis  
MICHIGAN (Ann Arbor) - Extramedullary hematopoiesis in agnogenic myeloid metaplasia (4)  
NEBRASKA (Creighton) - Megakaryocytic leukemia (M7)  
ILLINOIS (Chicago) - Hodgkin's lymphoma  
INDIANA (Goshen) - Extramedullary myeloid metaplasia  
IDAHO (Boise) - Extramedullary hematopoiesis?  
WISCONSIN (Milwaukee) - Myeloid metaplasia (myelodysplastic syndrome-RAEB)  
TEXAS (El Paso) - Extramedullary hematopoiesis  
LOUISIANA (Shreveport) - Extramedullary hematopoiesis  
FLORIDA (Tallahassee) - Extramedullary hematopoiesis  
NORTH CAROLINA (WNC Pathology Group) - Extramedullary hematopoiesis-myeloid metaplasia (1); Spleen with myeloid metaplasia (EMH) (2); Splenic involvement with myelofibrosis (1)  
KENTUCKY (Louisville) - Agnogenic myeloid metaplasia (2)  
MARYLAND (National Naval Medical Ctr) - Myelofibrosis with myeloid metaplasia (10)  
MARYLAND (Sinai Hospital) - Agnogenic myeloid metaplasia, spleen  
MARYLAND (Woodbine) - Extramedullary hematopoiesis (1); Megakaryoblastic leukemia (1)  
NEW YORK (SUNY at Stony Brook Pathol Res) - Spleen of myelofibrosis (9)  
NEW YORK (Brooklyn) - Myelodysplastic syndrome or extramedullary hematopoiesis  
NEW YORK (University of Rochester) - Extramedullary hematopoiesis  
NEW YORK (Northport) - Agnogenic myeloid metaplasia  
NEW JERSEY (Summit) - Extramedullary hematopoiesis and gamma-gandy body  
NEW JERSEY (West Orange) - Myeloid metaplasia with extramedullary hematopoiesis  
NEW JERSEY (Short Hills) - Agnogenic myeloid metaplasia  
PENNSYLVANIA (BB Group) - Agnogenic myeloid metaplasia with megakaryocytic proliferation  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Agnogenic myeloid metaplasia  
PENNSYLVANIA (Lehigh Valley Hospital) - Myeloid metaplasia of the spleen (3)  
MASSACHUSETTS (Berkshire Medical Center) - Myelofibrosis with myeloid metaplasia (9)  
AUSTRALIA (Royal Prince Alfred Hospital) - Spleen with extramedullary haemopoiesis (8)

**DIAGNOSIS:**

**MYELOFIBROSIS WITH SPLENIC MYELOID METAPLASIA AND  
 MEGAKARYOCYTIC HYPERPLASIA (AGNOGENIC MYELOID METAPLASIA)**

T07000, M72000

**REFERENCES:**

Theile J, Klein H, Falk S, et al. Splenic Megakaryocytopoiesis in Primary (Idiopathic) Osteomyelofibrosis. An Immunohistochemical and Morphometric Study with Comparison of Corresponding Bone Marrow Features. *Acta Hematol* 1992; 87(4):176-180.  
 Brunning RD and McKenna RW. Tumors of the Bone Marrow. *Atlas of Tumor Pathology*, Third Series, Fascicle 9, Washington, DC; Armed Forces Institute of Pathology, 1994.

INLAND (Riverside/San Bernardino) - Steroid cell tumor with lipochrome intracytoplasmic pigment (1); Steroid cell tumor, not otherwise specified (1); Lipid cell tumor (2)

ORANGE - Stromal luteoma

MONTEREY - Leydig cell tumor

SANTA BARBARA - Leydig cell tumor

BAY AREA - Hilus cell tumor (2); Granular cell tumor (1)

SANTA ROSA - Steroid cell tumor, r/o stromal luteoma vs Leydig cell tumor (1); Hilus cell tumor (2)

LONG BEACH - Hepatoid tumor of ovary (5)

SAN DIEGO (Naval Medical Center) - Steroid cell tumor (favor hilus cell tumor) (12)

NEVADA (Reno) - Steroid cell tumor

MICHIGAN (Oakwood) - Steroid cell tumor, probable Leydig cell type

MICHIGAN (St. Mary's Hospital) - Leydig cell tumor (hilar cell)

MICHIGAN (Foote Hospital) - Stromal luteoma

MICHIGAN (Ann Arbor) - Steroid cell tumor (3); Hilus cell tumor (1)

NEBRASKA (Creighton) - Leydig cell tumor (3); Hepatoid carcinoma (1)

ILLINOIS (Chicago) - Luteoma

INDIANA (Goshen) - Leydig cell tumor

IDAHO (Boise) - Lipoid cell tumor?

WISCONSIN (Milwaukee) - Lipoid tumor (Hilus cell tumor)

TEXAS (El Paso) - Hilus cell tumor, ovary

LOUISIANA (Shreveport) - Hilus (Leydig) cell tumor

FLORIDA (Tallahassee) - Leydig cell tumor

NORTH CAROLINA (WNC Pathology Group) - Leydig cell tumor (3); Hilus cell tumor (1)

KENTUCKY (Louisville) - Lipoid cell tumor (2)

MARYLAND (National Naval Medical Ctr) - Hilus cell tumor (7); Steroid cell tumor, NOS (3)

MARYLAND (Sinai Hospital) - Hilus cell tumor of ovary

MARYLAND (Woodbine) - Leydig cell tumor (2)

NEW YORK (SUNY at Stony Brook Pathol Res) - Hilar cell tumor (9)

NEW YORK (Brooklyn) - Leydig cell tumor

NEW YORK (University of Rochester) - Leydig cell tumor

NEW YORK (Northport) - Leydig (hilus) cell tumor

NEW JERSEY (Summit) - Leydig cell tumor

NEW JERSEY (West Orange) - Hilus cell tumor

NEW JERSEY (Short Hills) - Leydig cell tumor

PENNSYLVANIA (BB Group) - Paraganglioma/metastatic hepatocarcinoma

PENNSYLVANIA (Conemaugh Memorial Hospital) - Leydig cell tumor

PENNSYLVANIA (Lehigh Valley Hospital) - Steroid cell tumor-stromal luteoma (1); Hilus cell tumor (1); Leydig cell tumor

MASSACHUSETTS (Berkshire Medical Center) - Leydig cell tumor (9)

AUSTRALIA (Royal Prince Alfred Hospital) - Steroid cell tumor (2); Leydig cell tumor (5)

**DIAGNOSIS:**

**STEROID CELL TUMOR (HILUS CELL), OVARY**

T87000, M86660

Directors Note: Following resection of this neoplasm, it was incidentally noticed that the patient was hirsute!

**REFERENCES:**

Paraskevas M and Scully RE. Hilus Cell Tumor of the Ovary. A Clinicopathological Analysis of 12 Reinke Crystal-Positive and Nine Crystal-Negative Cases. *Int J Gynecol Pathol* 1989; 8(4):299-310.

Hayes MC. Ovarian Steroid Tumors (Not Otherwise Specified). A Clinicopathological Analysis of 63 Cases. *Am J Surg Pathol* 1987; 11(11):835-845.

INLAND (Riverside/San Bernardino) - Well-differentiated renal cell carcinoma, chromophobe type vs. oncocytoma (1); Chromophobe renal cell carcinoma (2); Renal cell carcinoma (1)  
ORANGE - Renal cell carcinoma, papillary type, grade 3  
MONTEREY - Renal cell carcinoma  
SANTA BARBARA - Renal cell carcinoma, chromophobe type  
BAY AREA - Renal cell carcinoma, granular cell type (2); Malignant oncocytoma (1)  
SANTA ROSA - Papillary renal cell carcinoma (3)  
LONG BEACH - Renal cell carcinoma (5)  
SAN DIEGO (Naval Medical Center) - Renal cell carcinoma, chromophobe variant, Fuhrman, grade III (10)  
NEVADA (Reno) - Papillary renal cell carcinoma  
MICHIGAN (Oakwood) - Chromophobe carcinoma, Fuhrman, grade III  
MICHIGAN (St. Mary's Hospital) - Adenocarcinoma, chromophobe type  
MICHIGAN (Foote Hospital) - Renal cell carcinoma, clear cell type, Fuhrman, grade II  
MICHIGAN (Ann Arbor) - Renal cell carcinoma, clear cell type (4)  
NEBRASKA (Creighton) - Renal cell carcinoma, oncocytic type  
ILLINOIS (Chicago) - Renal adenoma  
INDIANA (Goshen) - Renal cell carcinoma  
IDAHO (Boise) - Papillary renal tubular carcinoma with vascular invasion  
WISCONSIN (Milwaukee) - Papillary renal cell carcinoma  
TEXAS (El Paso) - Renal cell carcinoma  
LOUISIANA (Shreveport) - Renal cell carcinoma  
FLORIDA (Tallahassee) - Papillary renal cell carcinoma (4)  
NORTH CAROLINA (WNC Pathology Group) - Renal adenocarcinoma, chromophobe type (4)  
KENTUCKY (Louisville) - Renal cell carcinoma, papillary (2)  
MARYLAND (National Naval Medical Ctr) - Renal cell carcinoma, papillary type (10)  
MARYLAND (Sinai Hospital) - Renal cell carcinoma, clear cell type  
MARYLAND (Woodbine) - Renal cell carcinoma (2)  
NEW YORK (SUNY at Stony Brook Pathol Res) - Renal cell carcinoma, clear cell  
NEW YORK (Brooklyn) - Renal cell carcinoma  
NEW YORK (University of Rochester) - Multilobular cystadenoma  
NEW YORK (Northport) - Renal cell carcinoma, grade 2-3, papillary type  
NEW JERSEY (Summit) - Papillary cortical adenocarcinoma  
NEW JERSEY (West Orange) - Renal cell adenocarcinoma arising in Von Hippel-Lindau disease  
NEW JERSEY (Short Hills) - Renal cell carcinoma  
PENNSYLVANIA (BB Group) - Renal cell carcinoma  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Chromophobe cell type carcinoma of kidney vs. granular cell renal adenocarcinoma  
PENNSYLVANIA (Lehigh Valley Hospital) - Renal cell carcinoma, chromophobe type (3)  
MASSACHUSETTS (Berkshire Medical Center) - Chromophil papillary renal cell carcinoma (4) vs. chromophobe carcinoma (4)  
AUSTRALIA (Royal Prince Alfred Hospital) - Papillary (chromophil) renal cell carcinoma (8)

**DIAGNOSIS:****RENAL CELL CARCINOMA, KIDNEY**

T71000, M83123

**REFERENCES:**

- Humphrey PA. Clear Cell Neoplasms of the Urinary Tract of the Male Reproductive System. *Sem Diag Pathol* 1997; 14(4):240-252.  
 Coughlin SS, Neaton JD, Randal B, et al. Predictors of Mortality from Kidney Cancer in 332,547 Men Screened for the Multiple Risk Factors of Intervention Trial. *Cancer* 1997; 79(11):2171-2177.  
 Poston CD, Jaffe GS, Lubensky IA, et al. Characterization of Renal Cell Pathology of a Familial Form of Renal Cell Carcinoma Associated with von Hippel-Lindau Disease. Clinical and Molecular Genetic Implications. *J Urol* 1995; 153(1):22-26  
 Zhong Z, Guarra Jr, Dudley CF, et al. Detection of von Hippel-Lindau Disease Gene Mutations in Paraffin-Embedded Sporadic Renal Cell Carcinoma Specimens. *Mod Pathol* 1996; 9(8):838-842.

INLAND (Riverside/San Bernardino) - Well-differentiated liposarcoma (1); Atypical lipoma (because of superficial location; otherwise well-differentiated liposarcoma (1); Lipoma (1); Atypical lipoma (1)

ORANGE - Pleomorphic lipoma

MONTEREY - Lipoma

SANTA BARBARA - Liposarcoma, well-differentiated

BAY AREA - Atypical lipoma (3); (atypical lipoblasts-cannot rule out low grade liposarcoma)

SANTA ROSA - Atypical lipoma (2); Lipoma with fat necrosis/atypical (1)

LONG BEACH - Well-differentiated liposarcoma (5)

SAN DIEGO (Naval Medical Center) - Atypical lipomatous tumor (7); Atypical lipoma (5)

NEVADA (Reno) - Atypical lipoma (well-differentiated liposarcoma, lipoma-like) or pleomorphic lipoma

MICHIGAN (Oakwood) - Atypical lipoma

MICHIGAN (St. Mary's Hospital) - Lipoma

MICHIGAN (Foote Hospital) - Atypical lipoma

MICHIGAN (Ann Arbor) - Pleomorphic lipoma (4)

NEBRASKA (Creighton) - Atypical lipoma

ILLINOIS (Chicago) - Liposarcoma, low grade malignancy

INDIANA (Goshen) - Pleomorphic lipoma?

IDAHO (Boise) - Atypical lipoma (angiolipoma)?

WISCONSIN (Milwaukee) - Atypical lipomatous tumor

TEXAS (El Paso) - Pleomorphic lipoma

LOUISIANA (Shreveport) - Atypical lipoma

FLORIDA (Tallahassee) - Atypical lipoma (4)

NORTH CAROLINA (WNC Pathology Group) - Pleomorphic lipoma (2); Atypical lipoma/well-differentiated liposarcoma (2)

KENTUCKY (Louisville) - Atypical lipoma/well-differentiated liposarcoma (2)

MARYLAND (National Naval Medical Ctr) - Atypical lipoma/well differentiated liposarcoma (10)

MARYLAND (Sinai Hospital) - Well differentiated liposarcoma (atypical lipoma)

MARYLAND (Woodbine) - Liposarcoma (2)

NEW YORK (SUNY at Stony Brook Pathol Res) - Atypical lipoma

NEW YORK (Brooklyn) - Fat necrosis

NEW YORK (University of Rochester) - Atypical lipoma

NEW YORK (Northport) - Atypical lipoma

NEW JERSEY (Summit) - Atypical lipoma

NEW JERSEY (West Orange) - Pleomorphic lipoma

NEW JERSEY (Short Hills) - Well-differentiated liposarcoma

PENNSYLVANIA (BB Group) - Liposarcoma, low grade

PENNSYLVANIA (Conemaugh Memorial Hospital) - Pleomorphic lipoma/atypical lipoma/well-differentiated liposarcoma

PENNSYLVANIA (Lehigh Valley Hospital) - Well-differentiated liposarcoma (3)

MASSACHUSETTS (Berkshire Medical Center) - Atypical lipoma (9)

AUSTRALIA (Royal Prince Alfred Hospital) - Atypical lipoma/well differentiated liposarcoma (8)

**DIAGNOSIS:****ATYPICAL LIPOMA, RIGHT SHOULDER**

TY1220, M88500

**REFERENCES:**

- Azumi N, Curtis J, Kempson RL and Hendrickson MR. Atypical and Malignant Neoplasms Showing Lipomatous Differentiation. *Am J Surg Pathol* 1987; 11(3):161-183.
- Enzinger FM and Winslow DJ. Liposarcoma, A Study of 103 Cases. *Virchows Arch (A)* 1962; 335:367-388.
- Enzinger FM and Weiss SW. *Soft Tissue Tumors*, ed 2. St Louis, MO. CV Mosby Company, 1989.
- Evans HL. Liposarcoma. A Study of 55 Cases with a Reassessment of its Classification. *Am J Surg Pathol* 1979; 3(6):507-523.
- Evans HL. Liposarcoma and Atypical Lipomatous Tumors. A Study of 66 Cases Followed for a Minimum of Ten Years. *Surg Pathol* 1988; 1:41-54.

INLAND (Riverside/San Bernardino) - Oligodendroglioma (4)  
ORANGE - Oligodendroglioma  
MONTEREY - Oligodendroglioma  
SANTA BARBARA - Oligodendroglioma  
BAY AREA - Oligodendroglioma (3)  
SANTA ROSA - Oligodendroglioma (3)  
LONG BEACH - Oligodendroglioma (5)  
SAN DIEGO (Naval Medical Center) - Well differentiated oligodendroglioma (12)  
NEVADA (Reno) - Oligodendroglioma  
MICHIGAN (Oakwood) - Oligodendroglioma, WHO, grade 2  
MICHIGAN (St. Mary's Hospital) - Glioma/Astrocytoma/Oligodendroglioma  
MICHIGAN (Foote Hospital) - Oligodendroglioma  
MICHIGAN (Ann Arbor) - Oligodendroglioma (4)  
NEBRASKA (Creighton) - Oligodendroglioma  
ILLINOIS (Chicago) - Astrocytoma, grade I  
INDIANA (Goshen) - Oligodendroglioma  
IDAHO (Boise) - Oligodendroglioma  
WISCONSIN (Milwaukee) - Oligodendroglioma  
TEXAS (El Paso) - Oligodendroglioma  
LOUISIANA (Shreveport) - Oligodendroglioma  
FLORIDA (Tallahassee) - Oligodendroglioma  
NORTH CAROLINA (WNC Pathology Group) - Oligodendroglioma (4)  
KENTUCKY (Louisville) - Oligodendroglioma (2)  
MARYLAND (National Naval Medical Ctr) - Oligodendroglioma (10)  
MARYLAND (Sinai Hospital) - Oligodendroglioma  
MARYLAND (Woodbine) - Oligodendroglioma (2)  
NEW YORK (SUNY at Stony Brook Pathol Res) - Oligodendroglioma  
NEW YORK (Brooklyn) - Oligodendroglioma  
NEW YORK (University of Rochester) - Oligodendroglioma  
NEW YORK (Northport) - Oligodendroglioma  
NEW JERSEY (Summit) - Oligodendroglioma  
NEW JERSEY (West Orange) - Oligodendroglioma  
NEW JERSEY (Short Hills) - Oligodendroglioma  
PENNSYLVANIA (BB Group) - Oligodendroglioma/Low grade astrocytoma  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Oligodendroglioma  
PENNSYLVANIA (Lehigh Valley Hospital) - Oligodendroglioma (3)  
MASSACHUSETTS (Berkshire Medical Center) - Pure oligodendroglioma (5); vs. mixed oligodendroglioma and low grade astrocytoma (3)  
AUSTRALIA (Royal Prince Alfred Hospital) - Oligodendroglioma (8)

**DIAGNOSIS:**

**OLIGODENDROGLIOMA, LEFT FRONTAL-PARIETAL**  
 TX2000, M94503

**REFERENCES:**

Mork SJ, Lindegaard K-F, Halvorsen TB, et al. Oligodendroglioma. Incidence and Biological Behavior in a Defined Population. *J Neurosurg* 1985; 63(6):881-889.  
 de la Monte SM. Uniform Lineage of Oligodendrogliomas. *Am J Pathol* 1989; 135(3):529-540.  
 Herpers MJHM and Budka H. Glial Fibrillary Acidic Protein (GFAP) in Oligodendroglial Tumors. Glifibrillary Oligodendroglioma and Transitional as Oligoastrocytoma. Subtypes of Oligodendroglioma. *Acta Neuropathol* 1984; 64(4):265-572.  
 Smith MT, Lugwig CL, Godfrey AD, et al. Grading of Oligodendrogliomas. *Cancer* 1983; 52(11):2107-2114.



INLAND (Riverside/San Bernardino) - Chorioangioma (2); Hemangioma (chorioangioma) (1);  
Hemangioma of placenta (1)  
ORANGE - Chorioangioma  
MONTEREY - Hemangioma  
SANTA BARBARA - Chorioangioma  
BAY AREA - Chorioangioma (3)  
SANTA ROSA - Chorioangioma (3)  
LONG BEACH - Chorioangioma (5)  
SAN DIEGO (Naval Medical Center) - Chorioangioma (12)  
NEVADA (Reno) - Chorioangioma  
MICHIGAN (Oakwood) - Chorioangioma  
MICHIGAN (St. Mary's Hospital) - Chorioangioma  
MICHIGAN (Foote Hospital) - Hemangioma  
MICHIGAN (Ann Arbor) - Chorioangioma (4)  
NEBRASKA (Creighton) - Chorioangioma  
ILLINOIS (Chicago) - Angiosarcoma  
INDIANA (Goshen) - Hemangioma (chorioangioma)  
IDAHO (Boise) - Chorioangioma (placental hemangioma)  
WISCONSIN (Milwaukee) - Hemangioma (chorioangioma)-capillary  
TEXAS (El Paso) - Chorioangioma  
LOUISIANA (Shreveport) - Chorioangioma  
FLORIDA (Tallahassee) - Chorioangioma (4)  
NORTH CAROLINA (WNC Pathology Group) - Chorioangioma (4)  
KENTUCKY (Louisville) - Chorioangioma (2)  
MARYLAND (National Naval Medical Ctr) - Chorioangioma (10)  
MARYLAND (Sinai Hospital) - Chorioangioma of placenta  
MARYLAND (Woodbine) - Chorioangioma (2)  
NEW YORK (SUNY at Stony Brook Pathol Res) - Chorioangioma  
NEW YORK (Brooklyn) - Hemangioma  
NEW YORK (University of Rochester) - Intraplacental capillary hemangioma  
NEW YORK (Northport) - Chorioangioma  
NEW JERSEY (Summit) - Chorioangioma  
NEW JERSEY (West Orange) - Chorioangioma  
NEW JERSEY (Short Hills) - Chorioangioma  
PENNSYLVANIA (BB Group) - Chorioangioma  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Chorioangioma  
PENNSYLVANIA (Lehigh Valley Hospital) - Chorioangioma (1); Hemangioma of placenta (1); Lymph-hemangioma of placenta (1)  
MASSACHUSETTS (Berkshire Medical Center) - Chorioangioma (9)  
AUSTRALIA (Royal Prince Alfred Hospital) - Chorioangioma (8)

**DIAGNOSIS:**

**CHORANGIOMA (PLACENTAL HEMANGIOMA)**

T88100, M72570

**REFERENCES:**

Cash JB and Powell DE. Placental Chorioangioma. Presentation of a Case with Electron Microscopic and Immunochemical Studies. *Am J Surg Pathol* 1980; 4(1):87-92.  
Majlessi HF, Wagner KM and Brooks JJ. Atypical Cellular Chorangioma of the Placenta. *Int J Gynecol Pathol* 1983; 1(4):403-408.  
Sieracka JC, Panke TW, Horvat BL, et al. Chorioangiomas. *Obstet Gynecol* 1975; 46(2):155-159.

INLAND (Riverside/San Bernardino) - Mixed tumor of skin (chondroid syringoma)(1); Chondroid syringoma (2); Eccrine cylindroma (1)  
ORANGE - Pleomorphic adenoma  
MONTEREY - Mixed tumor skin  
SANTA BARBARA - Benign skin appendage tumor  
BAY AREA - Glomus tumor with mucinous stroma (3)  
SANTA ROSA - Chondroid syringoma (2); Mixed tumor of skin (chondroid syringoma) (1)  
LONG BEACH - Chondroid syringoma (5)  
SAN DIEGO (Naval Medical Center) - Benign mixed tumor of skin (chondroid syringoma) (11); Eccrine acrospiroma (1)  
NEVADA (Reno) - Chondroid syringoma  
MICHIGAN (Oakwood) - Chondroid syringoma  
MICHIGAN (St. Mary's Hospital) - Cutaneous mixed tumor  
MICHIGAN (Foote Hospital) - Chondroid syringoma  
MICHIGAN (Ann Arbor) - Mixed tumor of skin (4)  
NEBRASKA (Creighton) - Mixed tumor  
ILLINOIS (Chicago) - Sweat gland carcinoma  
INDIANA (Goshen) - Extra-skeletal chondroma of soft parts  
IDAHO (Boise) - Chondroid syringoma  
WISCONSIN (Milwaukee) - Chondroid syringoma (mixed tumor of skin)  
TEXAS (El Paso) - Benign mixed tumor  
LOUISIANA (Shreveport) - Chondroid syringoma (mixed tumor)  
FLORIDA (Tallahassee) - Benign mixed tumor (i.e. chondroid syringoma)  
NORTH CAROLINA (WNC Pathology Group) - Chondroid syringoma (3); Pleomorphic adenoma (1)  
KENTUCKY (Louisville) - Cystic paroma (2)  
MARYLAND (National Naval Medical Ctr) - Chondroid syringoma (benign cutaneous mixed tumor) (10)  
MARYLAND (Sinai Hospital) - Mixed tumor of skin  
MARYLAND (Woodbine) - Mixed tumor (2)  
NEW YORK (SUNY at Stony Brook Pathol Res) - Synovial chondrosarcoma  
NEW YORK (Brooklyn) - Glomus tumor  
NEW YORK (University of Rochester) - Parachordoma  
NEW YORK (Northport) - Extraskeletal chondroma  
NEW JERSEY (Summit) - Mixed tumor, sweat duct origin  
NEW JERSEY (West Orange) - Chondroid syringoma, mixed tumor  
NEW JERSEY (Short Hills) - Chondroid syringoma  
PENNSYLVANIA (BB Group) - Synovial chondromatosis/Chondrosarcoma  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Benign mixed tumor of the skin (chondroid syringoma)  
PENNSYLVANIA (Lehigh Valley Hospital) - Extra skeletal myxoid chondrosarcoma vs. chondroid syringoma (1); Chondroid syringoma (1); Mixed tumor of the chondroid syringoma (1)  
MASSACHUSETTS (Berkshire Medical Center) - Mixed tumor of skin (pleomorphic adenoma) (9)  
AUSTRALIA (Royal Prince Alfred Hospital) - Chondroid syringoma (8)

**DIAGNOSIS:****CHONDROID SYRINGOMA (MIXED TUMOR OF SKIN)**

T02850, M89400

CONSULTATION: Dr. Samuel H. Fisel, Armed Forces Institute of Pathology. "Chondroid Syringoma (Mixed Tumor of Skin)."

**REFERENCES:**

Iglesias FD, Forcelledo FF, Sanchez TS, et al. Chondroid Syringoma. A Histological and Immunohistochemical Study of 15 Cases. *Histochemistry and Electron Microscopy.. Histopathol* 1990; 17(4):311-317.  
 Headington JT. Primary Mucinous Carcinoma of the Skin. *Cancer* 1977; 39(3):1055-1063.

INLAND (Riverside/San Bernardino) - Dedifferentiated liposarcoma (1); Well differentiated liposarcoma (1); Hamartoma (1); Liposarcoma, well differentiated (1)

ORANGE - Well differentiated liposarcoma

MONTEREY - Lipoma

SANTA BARBARA - Angiolipoma

BAY AREA - Angiomyolipoma (3)

SANTA ROSA - Angiomyolipoma (2); Lipomatous tumor of liver capsule, benign, (r/o angiomyolipoma) (1)

LONG BEACH - Angiomyolipoma (5)

SAN DIEGO (Naval Medical Center) - Angiomyolipoma (12)

NEVADA (Reno) - Angiomyolipoma

MICHIGAN (Oakwood) - Angiomyolipoma

MICHIGAN (St. Mary's Hospital) - Nevus and lipoma

MICHIGAN (Foote Hospital) - Angiomyolipoma

MICHIGAN (Ann Arbor) - Angiomyolipoma

NEBRASKA (Creighton) - Angiomyolipoma

ILLINOIS (Chicago) - Liposarcoma, low grade malignancy

INDIANA (Goshen) - Hepatic lipoma

IDAHO (Boise) - Angiomyolipoma?

WISCONSIN (Milwaukee) - Angiomyolipoma

TEXAS (El Paso) - Liposarcoma

LOUISIANA (Shreveport) - Angiomyolipoma

FLORIDA (Tallahassee) - Angiomyolipoma

NORTH CAROLINA (WNC Pathology Group) - Angiolipoma (2); Angiomyolipoma (2)

KENTUCKY (Louisville) - Angiomyolipoma (2)

MARYLAND (National Naval Medical Ctr) - Angiomyolipoma (10)

MARYLAND (Sinai Hospital) - Angiomyolipoma of liver

MARYLAND (Woodbine) - Liposarcoma (1); Angiomyolipoma (1)

NEW YORK (SUNY at Stony Brook Pathol Res) - Angiomyolipoma

NEW YORK (Brooklyn) - Lipoma

NEW YORK (University of Rochester) - Angiomyolipoma

NEW YORK (Northport) - Angiomyolipoma

NEW JERSEY (Summit) - Angiomyolipoma

NEW JERSEY (West Orange) - Angiomyolipoma

NEW JERSEY (Short Hills) - Angiomyolipoma

PENNSYLVANIA (BB Group) - Angiolipoma

PENNSYLVANIA (Conemaugh Memorial Hospital) - Angiomyolipoma

PENNSYLVANIA (Lehigh Valley Hospital) - Angiomyolipoma (3)

MASSACHUSETTS (Berkshire Medical Center) - Angiomyolipoma (9)

AUSTRALIA (Royal Prince Alfred Hospital) - Angiomyolipoma (8)

## **DIAGNOSIS:**

### **ANGIOMYOLIPOMA, LIVER**

T56000, M88600

## **REFERENCES:**

Weeks D, Malott R, et al. Hepatic Angiomyelolipoma with Striated Granules and Positivity with Melanoma-Specific Antibody (HMB-45): A Report of Two Cases. *Ultrastruct Pathol* 1991; 15(45):563-571.

Goodman Z and Ishak K. Angiomyelolipoma of the Liver. *Am J Surg Pathol* 1984; 8(10):745-750.

Linton P, Ahn W, Schwartz M, et al. Angiomyelolipoma of the Liver. Immunohistochemical Study of a Case. *Liver* 1991; 11(3):158-161.

Chan J, Tsang W, Pau M, et al. Lymphangiomas and Angiomyelolipoma. Closely Related Entities Characterized by Hamartomatous Proliferation of HMB-45 Positive Smooth Muscle. *Histopathol* 1993; 22(5):445-455.

Guidi G, Catalano O and Rotondo A. Spontaneous Rupture of a Hepatic Angiomyolipoma, CT Findings and Literature Review. *Eur Radiol (Germany)* 1997; 7(3):335-337.