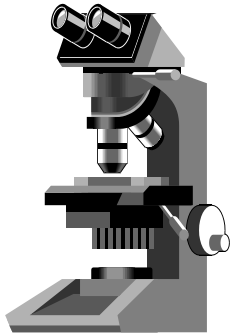


CALIFORNIA  
TUMOR TISSUE REGISTRY



*SOFT TISSUE PATHOLOGY*

Minutes – Subscription A

April 1999

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

- C-Reactive Protein and Cardiovascular Risk in Women. Ridker PM, et al. *Circulation* 1998;98(73):1-3.
- Tumor Markers of Ovarian Cancer. The Search Goes On. Xu Y, et al. *JAMA* 1998; 280:719-723.
- Endocervical Glandular Atypia. Does a Preneoplastic Lesion of Adenocarcinoma In-Situ Exist? Goldstein, NS, Ahmad E, Hussain M, Hankin, RC, et al. *Am J Clin Pathol* 1998; 110(2):200-209.
- The Cellular Basis of Metastasis. Ruiz, P and Gunthert U. *World J Urology* 1996; 14(3):141-150.
- Chan, JKC. Mesenchymal Tumors of the Gastrointestinal Tract. A Paradise for Acronyms (STUMP, GIST, Gant, and Now GIPACT), Implication of c-kit in Genesis and Yet Another of the Many Emerging Roles of the Interstitial Cell of Cajal in the Pathogenesis of Gastrointestinal Disease. *Adv in Anatomic Pathol* 1999; 6(1):19-40.
- Gastrointestinal Pacemaker Cell Tumor (GIPACT): Gastrointestinal Stromal Tumors Show Phenotypic Characteristics of the Interstitial Cells of Cajal. Kindblom LG, Remotti H, Aldenborg F, and Meis-Kindblom J. *Am J Pathol* 1998; 152(5):1259-1269.

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  
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INLAND (Riverside/San Bernardino) - Extra-abdominal fibromatosis (desmoid tumor) (2)  
ORANGE - Extra-abdominal desmoid  
VALENCIA - Fasciitis, rule out angiosarcoma  
SANTA ROSA - Solitary fibrous tumor (2); Benign mesenchymal tumor consistent with desmoid fibromatosis (1)  
SAN DIEGO (Naval Medical Center) - Extra-abdominal desmoid (fibromatosis) (9)  
VENTURA - Fibromatosis (2)  
LONG BEACH - Fibromatosis (4)  
BAY AREA - Fibromatosis (3)  
MONTEREY (Community Hospital of Monterey Peninsula) - Fibroma (3); Elastofibroma (1)  
BAKERSFIELD (San Joaquin Community Hospital) - Fibromatosis  
BAKERSFIELD (Central Valley Study Group) - Myxoid leiomyoma  
HAYWARD (St. Rose Hospital) - Fibromatosis (4)  
NEVADA (Reno) - Extra-abdominal fibromatosis (desmoid tumor) (2)  
IDAHO (IDX Pathology) - Extra-abdominal fibromatosis (desmoid tumor)  
COLORADO (North Colorado Medical Center) - Fibromatosis  
MICHIGAN (Foote Hospital) - Fibromatosis  
MICHIGAN (St. Mary's Hospital) - Fibromatosis (desmoid)(4)  
NEBRASKA (Creighton) - Benign fibromatosis (extra-abdominal desmoid tumor)  
WISCONSIN (Meriter Health Services) - Fibromatosis vs. myofibroma  
INDIANA (Goshen) - Benign fibrous tumor, fibromatosis  
ILLINOIS - Leiomyoma  
NORTH CAROLINA (WNC Pathology) - Extra-abdominal desmoid tumor (fibromatosis) (3)  
LOUISIANA (Louisiana State University Medical Center) - Desmoid (aggressive) fibromatosis  
FLORIDA (Tallahassee) - Extra-abdominal desmoid tumor  
MARYLAND (Woodbine) - Leiomyoma (1); Fibrolipoma (1)  
MARYLAND (National Naval Medical Center) - Fibromatosis (12)  
PENNSYLVANIA (Lehigh Valley Hospital) - Desmoid tumor (2); Fibromatosis (desmoid tumor)(2); Extra-abdominal fibromatosis (1); Extra-abdominal desmoid (1)  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Fibromatosis  
PENNSYLVANIA (Lehigh Valley Hospital) - Desmoid tumor  
PENNSYLVANIA (BB Group) - Solitary fibrous tumor (fibromatosis)  
NEW YORK (Long Island Jewish Medical Center) - Fibromatosis  
NEW YORK (Impath) - Low grade fibromyxoid sarcoma  
NEW YORK (Northport) - Extra-abdominal fibromatosis  
NEW JERSEY (Overlook Hospital) - Fibromatosis (3)  
MASSACHUSETTS (Berkshire Medical Center) - Fibromatosis  
CONNECTICUT (Univ Conn Health Center) - Fibromatosis  
JAPAN (Kurashiki) - Desmoid tumor (fibromatosis) (2)  
AUSTRALIA (Sydney) - Fibromatosis  
SAUDI ARABIA (King Khalid University Hospital) - Fibromatosis

**DIAGNOSIS:**

**FIBROMATOSIS (EXTRA-ABDOMINAL DESMOID TUMOR), BACK**  
 TY1100, M76100

**REFERENCES:**

Allen PW. The Fibromatoses. A Clinicopathologic Classification Based on 140 Cases. *Am J Surg Pathol* 1977; 1(3):255-270.  
 Goellner JR and Soule EH. Desmoid tumors. An Ultrastructural Study of Eight Cases. *Hum Pathol* 1980; 11:43-50.  
 Li M, Cordon-Cardo C, Gerald WC and Rosai J. Desmoid Fibromatosis is a Clonal Process. *Hum Pathol* 1996; 27(9):939-943.

INLAND (Riverside/San Bernardino) - Synovial sarcoma (2)  
ORANGE - Solitary fibrous tumor  
VALENCIA - Hemangiopericytoma/angiosarcoma  
SANTA ROSA - Solitary fibrous tumor vs. hemangiopericytoma (1); Mesenchymal neoplasm consistent with hemangiopericytoma (1); Hemangiopericytoma (solitary fibrous tumor) (1)  
SAN DIEGO (Naval Medical Center) - Hemangiopericytoma (6); Solitary fibrous tumor (3)  
VENTURA - Hemangiopericytoma (2)  
LONG BEACH - Solitary fibrous tumor (4)  
BAY AREA - Angiofibroma (angiomyofibroblastoma) (3)  
MONTEREY (Community Hospital of Monterey Peninsula) - Neurofibroma (4)  
BAKERSFIELD (San Joaquin Community Hospital) - Hemangiopericytoma  
BAKERSFIELD (Central Valley Study Group) - Leiomyosarcoma  
HAYWARD (St. Rose Hospital) - Solitary fibrous tumor (1); Vascular tumor (vs. schwannoma) (1); Neurofibroma (1); Sclerosing hemangioma (1)  
NEVADA (Reno) - Solitary fibrous tumor (2)  
IDAHO (IDX Pathology) - Pelvic fibromatosis  
COLORADO (North Colorado Medical Center) - Solitary fibrous tumor  
MICHIGAN (Foote Hospital) - Solitary fibrous tumor  
MI CHIGAN (St. Mary's Hospital) - Solitary fibrous tumor (4)  
NEBRASKA (Creighton) - Hemangiopericytoma  
WISCONSIN (Meriter Health Services) - Degenerated peripheral nerve sheath tumor  
INDIANA (Goshen) - Epithelial hemangioma  
ILLINOIS - Granular cell reaction  
NORTH CAROLINA (WNC Pathology) - Epithelioid hemangioendothelioma (3)  
LOUISIANA (Louisiana State University Medical Center) - Hemangiopericytoma vs. neurofibroma  
FLORIDA (Tallahassee) - Myxoid neurofibroma  
MARYLAND (Woodbine) - Solitary fibrous tumor (2)  
MARYLAND (National Naval Medical Center) - Solitary fibrous tumor (7); Hemangiopericytoma (5)  
PENNSYLVANIA (Lehigh Valley Hospital) - Angiofibroma (1); Aggressive angiomyxoma (1); Fibrous mesothelioma (1); Hemangiopericytoma, benign (1); Favor solitary fibrous tumor (1); Hemangiopericytoma (1)  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Solitary fibrous tumor  
PENNSYLVANIA (Lehigh Valley Hospital) - Aggressive angiomyxoma  
PENNSYLVANIA (BB Group) - Hemangiopericytoma  
NEW YORK (Long Island Jewish Medical Center) - Solitary fibrous tumor  
NEW YORK (Impath) - Aggressive angiomyxoma  
NEW YORK (Northport) - Hemangiopericytoma (1); Hemangioendothelioma (1)  
NEW JERSEY (Overlook Hospital) - Hemangiopericytoma (2); Fibrous tumor of tunica vaginalis (1)  
MASSACHUSETTS (Berkshire Medical Center) - Hemangiopericytoma (4) vs. Hemangioendothelioma (4)  
CONNECTICUT (Univ Conn Health Center) - Vascular tumor of intermediate malignancy, r/o intramuscular hemangioma  
JAPAN (Kurashiki) - Solitary fibrous tumor (2)  
AUSTRALIA (Sydney) - Solitary fibrous tumour (6); Spindle cell lipoma (2)  
SAUDI ARABIA (King Khalid University Hospital) - Pleomorphic hyalinizing angioectatic tumor of soft part

**DIAGNOSIS:****SOLITARY FIBROUS TUMOR, OBTURATOR REGION**

TY2300, M90510

**REFERENCES:**

Goodlad JR and Fletcher CD. Solitary Fibrous Tumor Arising at Unusual Sites. Analysis of a Series. *Histopathology* 1991; 19(6):515-522.  
 Khalifa MA, et al. Solitary Fibrous Tumors. A Series of Lesions, Some in Unusual Sites. *South Med J* 1997; 90(8):793-799.  
 Vallat-Decouvelave AU, Dry SM and Fletcher CD. Atypical and Malignant Solitary Fibrous Tumors in Extrathoracic Locations. Evidence of their comparability to intrathoracic tumors. *Am J Surg Pathol* 22(12):1501-1511, 1998.

INLAND (Riverside/San Bernardino) - Myxoid neurofibroma (1); Neurofibroma with myxoid changes (1)  
ORANGE - Myxoid MFH  
VALENCIA - Myoma vs. myxoid liposarcoma  
SANTA ROSA - Myxoid MFH (3)  
SAN DIEGO (Naval Medical Center) - Low grade myxofibrosarcoma (11)  
VENTURA - Low grade myxoid liposarcoma (2)  
LONG BEACH - Atypical myxoma (4)  
BAY AREA - Low grade liposarcoma (3)  
MONTEREY (Community Hospital of Monterey Peninsula) - Myxoid liposarcoma (4)  
BAKERSFIELD (San Joaquin Community Hospital) - Myxoid liposarcoma  
BAKERSFIELD (Central Valley Study Group) - Myxoma  
HAYWARD (St. Rose Hospital) - Myxoma (4)  
NEVADA (Reno) - Myxoid liposarcoma (2)  
IDAHO (IDX Pathology) - Myxoid liposarcoma  
COLORADO (North Colorado Medical Center) - Myxoma (large tumor, rule out malignant E.C. myxoid MFH)  
MICHIGAN (Foote Hospital) - Myxofibrosarcoma  
MICHIGAN (St. Mary's Hospital) - Benign myxoid neural neoplasm (4)  
NEBRASKA (Creighton) - Myxoid malignant fibrous histiocytoma, low grade  
WISCONSIN (Meriter Health Services) - Spindle cell lipoma with prominent myxoid features vs. myxoma  
INDIANA (Goshen) - Nodular fasciitis  
ILLINOIS - Nerve sheath myxoma  
NORTH CAROLINA (WNC Pathology) - Benign myxoid proliferation, myxoid neurofibroma vs. nodular fasciitis (1); Nodular fasciitis (2)  
LOUISIANA (Louisiana State University Medical Center) - Myxoid liposarcoma, low grade vs. myxoma  
FLORIDA (Tallahassee) - Low grade myxoid malignant fibrous histiocytoma  
MARYLAND (Woodbine) - Angiomyxoma (1); Myxosarcoma (1)  
MARYLAND (National Naval Medical Center) - Spindle cell lipoma (8); Myxoid nerve sheath tumor (3); Myxoid MFH (1)  
PENNSYLVANIA (Lehigh Valley Hospital) - Myxoma (4); Myxoid malignant fibrous histiocytoma (1); Juxta-articular myxoma (1)  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Intramuscular myxoma  
PENNSYLVANIA (Lehigh Valley Hospital) - Myxoma  
PENNSYLVANIA (BB Group) - Intramuscular myxoma  
NEW YORK (Long Island Jewish Medical Center) - Juxtacortical myxoma; Well-differentiated myxofibrosarcoma  
NEW YORK (Impath) - Myxofibrosarcoma, low grade  
NEW YORK (Northport) - Low grade myxofibrosarcoma (myxoid MFH) (1); Low grade fibromyxosarcoma (1)  
NEW JERSEY (Overlook Hospital) - Myxoma (3)  
MASSACHUSETTS (Berkshire Medical Center) - Juxtarticular myxoma (8); vs. neurothelioma  
CONNECTICUT (Univ Conn Health Center) - Low grade myxoid malignant fibrous histiocytoma  
JAPAN (Kurashiki) - Myxoid sarcoma, suggestive of MFH (2)  
AUSTRALIA (Sydney) - Myxoid malignant fibrous histiocytoma (7); Low grade myxoid fibrosarcoma (1)  
SAUDI ARABIA (King Khalid University Hospital) - Low grade fibromyxoid sarcoma

**DIAGNOSIS:****LOW GRADE MYXOFIBROSARCOMA, SHOULDER**

TY1220, M88403

CONSULTATION: Madeline S. Mitchell, M.D., Armed Forces Institute of Pathology. "Low grade myxofibrosarcoma."

**REFERENCES:**

Mentzel T, Edwards C, Wadden C, Camplejohn RS, et al. Myxofibrosarcoma. Clinicopathologic Analysis of 75 Cases with Emphasis on the Low-Grade Variant. *Am J Surg Pathol* 1996; 20(4):391-405.  
 Evans HL. Low Grade Fibromyxoid Sarcoma. A report of 12 cases. *Am J Surg Pathol* 1993; 17:595-600.  
 Kindblom LG, et al. The Ultrastructure of Myxofibrosarcoma. A study of 11 cases. *Virchow Arch A Pathol Anat Histo* 1997; 381:121-39

INLAND (Riverside/San Bernardino) - Dermatofibrosarcoma protuberans (1); Malignant fibrous histiocytoma (1)  
ORANGE - Leiomyosarcoma  
VALENCIA - Fibrosarcoma vs. myofibrosarcoma  
SANTA ROSA - Leiomyosarcoma (1); Mesenchymal (tumor of skin, malignant, consistent with leiomyosarcoma r/o AFX (1);  
 G.I.S.T. of unknown malignant potential (1)  
SAN DIEGO (Naval Medical Center) - Leiomyosarcoma (10); Atypical fibroxanthoma (1)  
VENTURA - Atypical fibroxanthoma (2)  
LONG BEACH - Leiomyosarcoma (3); DFSP (1)  
BAY AREA - Leiomyosarcoma (1); Spindle cell sarcoma, NOS (1); Spindle cell rhabdomyosarcoma (1)  
MONTEREY (Community Hospital of Monterey Peninsula) - DFSP (4)  
BAKERSFIELD (San Joaquin Community Hospital) - Dermatofibrosarcoma protuberans with areas r/o malignant change  
BAKERSFIELD (Central Valley Study Group) - Metastatic renal cell carcinoma  
HAYWARD (St. Rose Hospital) - Atypical fibroxanthoma (2); Leiomyosarcoma (2)  
NEVADA (Reno) - Leiomyosarcoma (2)  
IDAHO (IDX Pathology) - Leiomyosarcoma of vascular origin  
COLORADO (North Colorado Medical Center) - Leiomyosarcoma  
MICHIGAN (Foote Hospital) - Atypical fibroxanthoma  
MICHIGAN (St. Mary's Hospital) - Leiomyosarcoma (4)  
NEBRASKA (Creighton) - Leiomyosarcoma  
WISCONSIN (Meriter Health Services) - Epithelioid leiomyosarcoma of skin  
INDIANA (Goshen) - Sarcoma  
ILLINOIS - Malignant fibrous histiocytoma  
NORTH CAROLINA (WNC Pathology) - Atypical fibroxanthoma (2); Spindle cell malignancy? Fibrosarcoma/ atypical  
 fibroxanthoma (1)  
LOUISIANA (Louisiana State University Medical Center) - Dermatofibrosarcoma protuberans  
FLORIDA (Tallahassee) - Epithelioid leiomyosarcoma  
MARYLAND (Woodbine) - Leiomyosarcoma (2)  
MARYLAND (National Naval Medical Center) - Leiomyosarcoma (12)  
PENNSYLVANIA (Lehigh Valley Hospital) - Fibrosarcoma (fibroblastic) (1); Clear cell sarcoma (1); Kaposi's sarcoma (1);  
 Leiomyosarcoma (3)  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Atypical fibroxanthoma  
PENNSYLVANIA (Lehigh Valley Hospital) - Clear cell sarcoma  
PENNSYLVANIA (BB Group) - Cutaneous leiomyosarcoma  
NEW YORK (Long Island Jewish Medical Center) - Leiomyosarcoma  
NEW YORK (Impath) - Fibrosarcoma  
NEW YORK (Northport) - Leiomyosarcoma  
NEW JERSEY (Overlook Hospital) - Cutaneous leiomyosarcoma (3)  
MASSACHUSETTS (Berkshire Medical Center) - AFX (8)  
CONNECTICUT (Univ Conn Health Center) - Atypical fibroxanthoma, r/o spindle cell squamous cell carcinoma or melanoma  
JAPAN (Kurashiki) - Myofibroblastic sarcoma, low-grade (1); Fibrosarcoma (1)  
AUSTRALIA (Sydney) - Leiomyosarcoma  
SAUDI ARABIA (King Khalid University Hospital) - Sarcoma

**DIAGNOSIS:****CUTANEOUS LEIOMYOSARCOMA, CHEEK**

TY0300, M88903

**REFERENCES:**

Dahl I and Angervall L. Cutaneous and Subcutaneous Leiomyosarcoma. A Clinicopathologic Study of 47 Patients. *Pathol Eur* 1974; 9(4):307-315.  
 Suster S. Epithelioid Leiomyosarcoma of the Skin and Subcutaneous Tissue. Clinicopathologic, Immunohistochemical, and Ultrastructural Study of Five Cases. *Am J Surg Pathol* 1994; 18(3):232-240.  
 Fields JP and Helwig EB. Leiomyosarcoma of the Skin and Subcutaneous Tissue. *Cancer* 1981; 47(1):156-169.

INLAND (Riverside/San Bernardino) - Gastrointestinal stromal tumor of uncertain malignant potential (2)  
ORANGE - Leiomyosarcoma  
VALENCIA - G.I.S.T., leiomyosarcoma  
SANTA ROSA - G.I.S.T. of undetermined malignant potential (3)  
SAN DIEGO (Naval Medical Center) - Malignant G.I.S.T. (11)  
VENTURA - Smooth muscle tumor of uncertain biologic potential (2)  
LONG BEACH - Smooth muscle tumor of low malignant potential (4)  
BAY AREA - Low grade leiomyosarcoma (2); Leiomyoma (epithelioid type ?) (1)  
MONTEREY (Community Hospital of Monterey Peninsula) - G.I.S.T., malignant (4)  
BAKERSFIELD (San Joaquin Community Hospital) - Stromal tumor of GI tract, malignant (leiomyosarcoma)  
BAKERSFIELD (Central Valley Study Group) - Fibrosarcoma  
HAYWARD (St. Rose Hospital) - GI stromal tumor, G.I.S.T. leiomyosarcoma type (4)  
NEVADA (Reno) - Leiomyosarcoma (2)  
IDAHO (IDX Pathology) - Angioleiomyoma  
COLORADO (North Colorado Medical Center) - G.I.S.T., smooth muscle type, borderline malignant  
MICHIGAN (Foote Hospital) - Malignant gastrointestinal stromal tumor  
MICHIGAN (St. Mary's Hospital) - Epithelioid leiomyosarcoma (4)  
NEBRASKA (Creighton) - Malignant G.I. stromal tumor  
WISCONSIN (Meriter Health Services) - G.I.S.T., smooth muscle type, malignant (12 cm), (LMS)  
INDIANA (Goshen) - Epithelioid leiomyosarcoma (stromal tumor)  
ILLINOIS - Small intestinal stromal tumor, low grade malignancy  
NORTH CAROLINA (WNC Pathology) - Gastrointestinal stromal tumor (2); Smooth muscle tumor of uncertain malignant potential (1)  
LOUISIANA (Louisiana State University Medical Center) - G.I.S.T. (gastrointestinal stromal tumor), malignant  
FLORIDA (Tallahassee) - Leiomyosarcoma  
MARYLAND (Woodbine) - G.I.S.T. (1); Epithelioid leiomyoma (1)  
MARYLAND (National Naval Medical Center) - Gastrointestinal stromal tumor with smooth muscle differentiation of uncertain malignant potential  
PENNSYLVANIA (Lehigh Valley Hospital) - Leiomyosarcoma (1); Gastrointestinal stromal tumor of uncertain malignant potential with features favoring malignancy (3); Malignant stromal tumor at small bowel (1); Gastrointestinal stromal tumor (1)  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Leiomyosarcoma  
PENNSYLVANIA (Lehigh Valley Hospital) - Gastrointestinal stromal tumor of uncertain malignant potential with features favoring malignancy  
PENNSYLVANIA (BB Group) - Leiomyosarcoma, low grade  
NEW YORK (Long Island Jewish Medical Center) - Leiomyosarcoma  
NEW YORK (Impath) - G.I.S.T., likely malignant, with myxoid differentiation  
NEW YORK (Northport) - G.I.S.T., smooth muscle type, borderline  
NEW JERSEY (Overlook Hospital) - G.I.S.T. (probably leiomyosarcoma, low grade) (3)  
MASSACHUSETTS (Berkshire Medical Center) - G.I.S.T., type I, borderline (3); Malignant (4)  
CONNECTICUT (Univ Conn. Health Center) - Malignant gastrointestinal stromal tumor with smooth muscle differentiation  
JAPAN (Kurashiki) - G.I.S.T., with smooth muscle differentiation, borderline (2)  
AUSTRALIA (Sydney) - Gastrointestinal stromal tumour with smooth muscle differentiation  
SAUDI ARABIA (King Khalid University Hospital) - Malignant gastrointestinal stromal tumor of smooth muscle origin

**DIAGNOSIS:**

**LOW GRADE LEIOMYOSARCOMA, SMALL BOWEL (Director's Note: See 1<sup>st</sup> reference below)**  
 T64000, M88903

**REFERENCES:**

- Miettinen M, Virolainen M, and Sarlomo-Rikala M. Gastrointestinal Stromal Tumors. Value of CD34 Antigen in Their Identification and Separation From True Leiomyomas and Schwannomas. *Am J Surg Pathol* 1995; 19(2):207-216.  
 Min KW. Small Intestinal Stromal Tumors with Skeinoid Fibers. Clinicopathological, Immunohistochemical and Ultrastructural Investigations. *Am J Surg Pathol* 1992; 16(2):145-155.  
 Ng EH, Pollock RE, Munsell MF, et al. Prognostic Factors Influencing Survival in Gastrointestinal Leiomyosarcomas. Implications for Surgical Management and Staging. *Ann Surg* 1992; 215(1):68-77.  
 Ricci A, Jr., Ciccirelli O, Cartun RW and Newcomb P. A Clinicopathologic and Immunohistochemical Study of 16 Patients with Small Intestinal Leiomyosarcoma. Limited Utility of Immunophenotyping. *Cancer* 1987; 60(8):1790-1799.

INLAND (Riverside/San Bernardino) - Well-differentiated liposarcoma (atypical lipoma) (1); Atypical lipoma (1)  
ORANGE - Well-differentiated liposarcoma  
VALENCIA - Liposarcoma  
SANTA ROSA - Well-differentiated liposarcoma (3)  
SAN DIEGO (Naval Medical Center) - Well-differentiated liposarcoma, sclerosing subtype (11)  
VENTURA - Low grade liposarcoma (2)  
LONG BEACH - Sclerosing liposarcoma (4)  
BAY AREA - Well-differentiated sclerosing liposarcoma (3)  
MONTEREY (Community Hospital of Monterey Peninsula) - Well-differentiated liposarcoma (4)  
BAKERSFIELD (San Joaquin Community Hospital) - Liposarcoma, well-differentiated  
BAKERSFIELD (Central Valley Study Group) - Liposarcoma  
HAYWARD (St. Rose Hospital) - Atypical lipoma (AKA), low grade liposarcoma (4)  
NEVADA (Reno) - Well-differentiated liposarcoma, sclerosing type (2)  
IDAHO (IDX Pathology) - Well-differentiated liposarcoma  
COLORADO (North Colorado Medical Center) - Well-differentiated liposarcoma (atypical lipoma)  
MICHIGAN (Foote Hospital) - Well-differentiated liposarcoma  
MICHIGAN (St. Mary's Hospital) - Well-differentiated liposarcoma (3); Pleomorphic liposarcoma (1)  
NEBRASKA (Creighton) - Liposarcoma, well-differentiated  
WISCONSIN (Meriter Health Services) - Well-differentiated liposarcoma vs. atypical lipoma  
INDIANA (Goshen) - Well-differentiated sclerosing liposarcoma  
ILLINOIS - Well-differentiated liposarcoma  
NORTH CAROLINA (WNC Pathology) - Well-differentiated sclerosing liposarcoma (3)  
LOUISIANA (Louisiana State University Medical Center) - Low grade liposarcoma vs. atypical lipoma  
FLORIDA (Tallahassee) - Liposarcoma  
MARYLAND (Woodbine) - Well-differentiated sclerosing liposarcoma (2)  
MARYLAND (National Naval Medical Center) - Sclerosing liposarcoma (12)  
PENNSYLVANIA (Lehigh Valley Hospital) - Fibrolipoma vs. well-differentiated lipoma (1); Well-differentiated liposarcoma (3);  
 Myxoid liposarcoma (1); Liposarcoma (1)  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Pleomorphic liposarcoma  
PENNSYLVANIA (Lehigh Valley Hospital) - Well-differentiated liposarcoma  
PENNSYLVANIA (BB Group) - Well-differentiated sclerosing liposarcoma  
NEW YORK (Long Island Jewish Medical Center) - Well-differentiated liposarcoma  
NEW YORK (Impath) - Sclerosing liposarcoma, low grade  
NEW YORK (Northport) - Pleomorphic lipoma (1); Low grade liposarcoma (1)  
NEW JERSEY (Overlook Hospital) - Liposarcoma, well-differentiated (3)  
MASSACHUSETTS (Berkshire Medical Center) - Atypical lipoma (3); Well-differentiated liposarcoma (5)  
CONNECTICUT (Univ Conn Health Center) - Well-differentiated liposarcoma  
JAPAN (Kurashiki) - Well-differentiated liposarcoma (2)  
AUSTRALIA (Sydney) - Well-differentiated sclerosing liposarcoma  
SAUDI ARABIA (King Khalid University Hospital) - Sclerosing (well-differentiated) liposarcoma

**DIAGNOSIS:****WELL-DIFFERENTIATED SCLEROSING LIPOSARCOMA, INGUINAL REGION**

TY7000, M88503

**REFERENCES:**

- Lucas DR, Nascimento AG, Sanjoy BK and Rock MG. Well-Differentiated Liposarcoma. The Mayo Clinic Experience with 58 Cases. *Am J Clin Pathol* 1994; 102(5):677-683.  
 Dalla Palma P and Barbazza R. Well-Differentiated Liposarcoma of the Paratesticular area. Report of a Case with Fine-Needle Aspiration Preoperative Diagnosis and Review of the Literature. *Diag Cytopathol* 1990; 6(6):421-426.  
 Farshid G and Weiss SW. Massive Localized Lymphedema in Morbidly Obese. A Histologically Distinct Reactive Lesion Simulating Liposarcoma. *Am J Surg Pathol* 1998; 22(10):1277-1283.

INLAND (Riverside/San Bernardino) - Malignant peripheral nerve sheath tumor (1); Neurofibrosarcoma (1)  
ORANGE - MPNST, low grade  
VALENCIA - Neurofibrosarcoma with osseous metaplasia  
SANTA ROSA - Malignant peripheral nerve sheath tumor (1); Malignant mesenchymal neoplasm consistent with neural origins, recommend IPOX (1); Cellular neurofibroma, r/o peripheral nerve sheath sarcoma (1)  
SAN DIEGO (Naval Medical Center) - Malignant peripheral nerve sheath tumor (11)  
VENTURA - Neurofibrosarcoma (2)  
LONG BEACH - Neurosarcoma (4)  
BAY AREA - Neurofibrosarcoma (3)  
MONTEREY (Community Hospital of Monterey Peninsula) - Neurofibrosarcoma (4)  
BAKERSFIELD (San Joaquin Community Hospital) - Neurofibroma  
BAKERSFIELD (Central Valley Study Group) - Schwannoma  
HAYWARD (St. Rose Hospital) - Neurofibrosarcoma (4)  
NEVADA (Reno) - Malignant peripheral nerve sheath tumor with osseous metaplasia (2)  
IDAHO (IDX Pathology) - Metastatic malignant neurofibroma (with areas of post-radiation osteosarcoma)  
COLORADO (North Colorado Medical Center) - MPNST with heterologous elements  
MICHIGAN (Foote Hospital) - Malignant peripheral nerve sheath tumor  
MICHIGAN (St. Mary's Hospital) - Malignant peripheral nerve sheath tumor (4)  
NEBRASKA (Creighton) - Neurofibrosarcoma  
WISCONSIN (Meriter Health Services) - Neurofibrosarcoma and osteosarcoma (malignant mesenchymoma)  
INDIANA (Goshen) - Malignant schwannoma  
ILLINOIS - Neurofibromatosis with malignant transformation (MPNST)  
NORTH CAROLINA (WNC Pathology) - Malignant peripheral nerve sheath tumor (2)  
LOUISIANA (Louisiana State University Medical Center) - Malignant nerve sheath tumor, malignant  
FLORIDA (Tallahassee) - Malignant peripheral nerve sheath tumor  
MARYLAND (Woodbine) - Neurofibrosarcoma (2)  
MARYLAND (National Naval Medical Center) - Malignant peripheral nerve sheath tumor (12)  
PENNSYLVANIA (Lehigh Valley Hospital) - Malignant collagenous schwannoma (or neurofibrosarcoma or collagenous neurogenic ?) (1); Malignant peripheral nerve sheath tumor with focal osteosarcoma (1); Malignant schwannoma with heterologous elements (1); Peripheral nerve sheath tumor (1); Malignant peripheral nerve sheath tumor (1); Neurogenic sarcoma (neurofibrosarcoma)  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Neurofibroma with osseous metaplasia  
PENNSYLVANIA (Lehigh Valley Hospital) - Malignant peripheral nerve sheath tumor with focal osteosarcoma  
PENNSYLVANIA (BB Group) - Neurofibrosarcoma  
NEW YORK (Long Island Jewish Medical Center) - Malignant mesenchymoma of nerve sheath with heterologous elements  
NEW YORK (Impath) - Malignant peripheral nerve sheath tumor  
NEW YORK (Northport) - Malignant peripheral nerve sheath tumor  
NEW JERSEY (Overlook Hospital) - Neurofibrosarcoma (3)  
MASSACHUSETTS (Berkshire Medical Center) - Malignant peripheral nerve sheath tumor  
CONNECTICUT (Univ Conn Health Center) - Metastatic osteogenic sarcoma  
JAPAN (Kurashiki) - Malignant peripheral nerve sheath tumor (2)  
AUSTRALIA (Sydney) - Malignant peripheral nerve sheath tumour (neurofibrosarcoma)  
SAUDI ARABIA (King Khalid University Hospital) - Malignant peripheral nerve sheath tumor

**DIAGNOSIS:**

**MALIGNANT PERIPHERAL NERVE SHEATH TUMOR, MEDIASTINUM**  
 TY2300. M80001

CONSULTATION: Sharon Weiss, M.D., Emory University. "Malignant schwannoma." She felt that the material was metastatic rather than reflecting a second primary and also that the tumor was high grade.

**REFERENCES:**

Moon WK, Im JG, Ham MC. Malignant Schwannoma of the Thorax. CT Findings. *J Comput Assist Tomogr* 1993; 17(2):274-276.  
 Pelton J, Jackkola S, Lebowitz M, Renvall S, et al. Cellular Differentiation and Expression of Matrix Genes in Type I Neurofibromatosis. *Lab Invest* 1988; 59(6):760-771.  
 Lin BT, Weiss LM, Medeiros LJ. Neurofibroma and cellular neurofibroma with atypia: A report of 14 tumors. *Am J Surg Pathol* 21(12):1443-1449, 1997.



INLAND (Riverside/San Bernardino) - Angiosarcoma (2)  
ORANGE - Angiosarcoma  
VALENCIA - Angiosarcoma r/o metastasis from papillary carcinoma of thyroid  
SANTA ROSA - High grade angiosarcoma (1); Angiosarcoma (2)  
SAN DIEGO (Naval Medical Center) - Cutaneous angiosarcoma (1); Epithelioid angiosarcoma (10)  
VENTURA - Angiosarcoma (2)  
LONG BEACH - Angiosarcoma (4)  
BAY AREA - Angiosarcoma (2); Papillary carcinoma, NOS (1)  
MONTEREY (Community Hospital of Monterey Peninsula) - Angiosarcoma (4)  
BAKERSFIELD (San Joaquin Community Hospital) - Angiosarcoma  
BAKERSFIELD (Central Valley Study Group) - Angiosarcoma  
HAYWARD (St. Rose Hospital) - Angiosarcoma (4)  
NEVADA (Reno) - Angiosarcoma (2)  
IDAHO (IDX Pathology) - Angiosarcoma  
COLORADO (North Colorado Medical Center) - Angiosarcoma  
MICHIGAN (Foote Hospital) - Angiosarcoma  
MICHIGAN (St. Mary's Hospital) - Angiosarcoma (4)  
NEBRASKA (Creighton) - Angiosarcoma  
WISCONSIN (Meriter Health Services) - Angiosarcoma  
INDIANA (Goshen) - Alveolar rhabdomyosarcoma  
ILLINOIS - Angiosarcoma (3)  
NORTH CAROLINA (WNC Pathology) - Angiosarcoma (3)  
LOUISIANA (Louisiana State University Medical Center) - Alveolar rhabdomyosarcoma vs. acinic cell carcinoma  
FLORIDA (Tallahassee) - Angiosarcoma  
MARYLAND (Woodbine) - Angiosarcoma (2)  
MARYLAND (National Naval Medical Center) - Angiosarcoma (12)  
PENNSYLVANIA (Lehigh Valley Hospital) - Nasopalatine cyst (1); Angiosarcoma (5)  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Angiosarcoma  
PENNSYLVANIA (Lehigh Valley Hospital) - Angiosarcoma  
PENNSYLVANIA (BB Group) - Papillary angiosarcoma  
NEW YORK (Long Island Jewish Medical Center) - Angiosarcoma  
NEW YORK (Impath) - Angiosarcoma  
NEW YORK (Northport) - Angiosarcoma  
NEW JERSEY (Overlook Hospital) - Angiosarcoma, grade 2 (3)  
MASSACHUSETTS (Berkshire Medical Center) - Angiosarcoma  
CONNECTICUT (Univ Conn Health Center) - Angiosarcoma  
JAPAN (Kurashiki) - Angiosarcoma with rhabdoid features (2)  
AUSTRALIA (Sydney) - Angiosarcoma  
SAUDI ARABIA (King Khalid University Hospital) - Angiosarcoma

**DIAGNOSIS:**

**ANGIOSARCOMA (Grade II of III), MAXILLA AND HARD PALATE**

T10170, M91203

**REFERENCES:**

Fu Y-S and Perzin KH. Nonepithelial Tumors of the Nasal Cavity, Paranasal Sinuses and Nasopharynx. A Clinicopathologic Study  
 XI. General Features and Vascular Tumors. *Cancer* 1974; 33(5):1275-1288.  
 Heffner DK. Problems in Pediatric Pathology II. Vascular Tumors and Lesions of the Sinonasal Tract and Nasopharynx. *Int J  
 Pediatr Otorhinolaryngic* 1983;5(2) 125-138.  
 Kimura Y, Tanaka S and Furukawa M. Angiosarcoma of the Nasal Cavity. *J Laryngol Otol* 1992; 106(4):368-369.  
 Kurien M, Nair S and Thomas S. Angiosarcoma of the Nasal Cavity and Maxillary Antrum. *J Laryngolotol* 1998; 103(9):874-876.

INLAND (Riverside/San Bernardino) - Ewing's sarcoma (1); Primitive neuroendocrine tumor (Ewing's)  
ORANGE - PNET  
VALENCIA - Ewing's sarcoma vs. PNET tumor  
SANTA ROSA - PNET (2); Small round-cell neoplasm consistent with peripheral neuroectodermal tumor (1)  
SAN DIEGO (Naval Medical Center) - PNET (10); Extraskelatal Ewing's/PNET (1)  
VENTURA - Ewing's sarcoma (2)  
LONG BEACH - Ewing's (4)  
BAY AREA - Ewing/PNET sarcoma (3)  
MONTEREY (Community Hospital of Monterey Peninsula) - PNET (4)  
BAKERSFIELD (San Joaquin Community Hospital) - Extraskelatal Ewing's sarcoma  
BAKERSFIELD (Central Valley Study Group) - Ewing's sarcoma  
HAYWARD (St. Rose Hospital) - Ewing's tumor (also called malignant small cell tumor of the thoracopulmonary region) (4)  
NEVADA (Reno) - Primitive neuroectodermal tumor/Extra-skelatal Ewing's sarcoma  
IDAHO (IDX Pathology) - Small round cell sarcoma c/w Ewing's  
COLORADO (North Colorado Medical Center) - PNET (Askin Tumor-like presentation)  
MICHIGAN (Foote Hospital) - Desmoplastic small round cell tumor  
MICHIGAN (St. Mary's Hospital) - Askin tumor (PNET) (4)  
NEBRASKA (Creighton) - Extraskelatal Ewing's sarcoma  
WISCONSIN (Meriter Health Services) - Ewing's sarcoma  
INDIANA (Goshen) - Extraskelatal Ewing's sarcoma  
ILLINOIS - Extraskelatal Ewing's sarcoma  
NORTH CAROLINA (WNC Pathology) - Extraskelatal Ewing's/PNET (3)  
LOUISIANA (Louisiana State University Medical Center) - PNET (Askin tumor)  
FLORIDA (Tallahassee) - Ewing's sarcoma; PNET  
MARYLAND (Woodbine) - PNET (1); Neuroendocrine carcinoma (1)  
MARYLAND (National Naval Medical Center) - PNET (12)  
PENNSYLVANIA (Lehigh Valley Hospital) - Ewing's sarcoma (3); Extraskelatal Ewing's sarcoma (2); Small round blue cell malignancy-extraskelatal Ewing's sarcoma (1)  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Extraskelatal Ewing's sarcoma/PNET  
PENNSYLVANIA (Lehigh Valley Hospital) - Extraskelatal Ewing's sarcoma  
PENNSYLVANIA (BB Group) - Extraskelatal Ewing's  
NEW YORK (Long Island Jewish Medical Center) - Ewing's sarcoma (differential diagnosis includes small cell osteosarcoma)  
NEW YORK (Impath) - Ewing's sarcoma/PNET  
NEW YORK (Northport) - Extraskelatal Ewing's sarcoma/PNET  
NEW JERSEY (Overlook Hospital) - Ewing's sarcoma (3)  
MASSACHUSETTS (Berkshire Medical Center) - Merkel cell carcinoma (2) vs. Ewing's sarcoma (4); vs. PNET (1); vs. Desmoplastic round cell tumor (1)  
CONNECTICUT (Univ Conn Health Center) - Ewing's sarcoma  
JAPAN (Kurashiki) - Desmoplastic small round cell tumor (2)  
AUSTRALIA (Sydney) - Primitive neuroectodermal tumour of thoracopulmonary origin (Askin's tumour) (6), Ewing's sarcoma (2)  
SAUDI ARABIA (King Khalid University Hospital) - Peripheral neuroectodermal tumor (PNET)

**DIAGNOSIS:****PRIMITIVE NEUROENDOCRINE TUMOR (PNET/EWING'S/ASKIN), CHEST WALL**

TY2100, M92603

**REFERENCES:**

- Zucman J, Melot T, Demaze C, et al. Combinational Generation of Variable Fusion Proteins in the Ewing Family of Tumors. *EMBO J* 1993; 12(12):4481-4487.
- Ladanyi M. The Emerging Molecular Genetics of Sarcoma Translocations. *Diag Molecular Pathol* 1995; 4(3):162-173.
- Schmidt D, Herrman C, Jurgens H and Harms D. Malignant Peripheral Neuroectodermal Tumor and its Necessary Distinction from Ewing's Sarcoma. A Report from the Kiel Pediatric Tumor Registry. *Cancer* 1991; 68(10):2251-2259.

INLAND (Riverside/San Bernardino) - Chondroma of soft parts (2)  
ORANGE - Myxoid tumor, NOS, probably low grade  
VALENCIA - Extraskelatal chondrosarcoma  
SANTA ROSA - Extraskelatal myxochondroma (1); Chondroma of soft tissue (2)  
SAN DIEGO (Naval Medical Center) - Extraskelatal myxoid chondrosarcoma (11)  
VENTURA - Lipoma with cartilaginous metaplasia (benign mesenchymoma) (2)  
LONG BEACH - Myxoid chondrosarcoma (4)  
BAY AREA - Cystic hamartoma with myxochondroid features (3)  
MONTEREY (Community Hospital of Monterey Peninsula) - Chondrosarcoma (3); Chondroid metaplasia (1)  
BAKERSFIELD (San Joaquin Community Hospital) - Myxoid chondrosarcoma  
BAKERSFIELD (Central Valley Study Group) - Myxochondroma  
HAYWARD (St. Rose Hospital) - Extraskelatal chondrosarcoma (4)  
NEVADA (Reno) - Chondroid lipoma (2)  
IDAHO (IDX Pathology) - Chondroma-partially necrotic  
COLORADO (North Colorado Medical Center) - Extraskelatal myxoid chondrosarcoma (chordoid sarcoma)  
MICHIGAN (Foote Hospital) - Chondroma of soft part  
MICHIGAN (St. Mary's Hospital) - Extraskelatal myxoid chondrosarcoma (4)  
NEBRASKA (Creighton) - Extraskelatal myxoid chondrosarcoma  
WISCONSIN (Meriter Health Services) - Extraskelatal chondrosarcoma  
INDIANA (Goshen) - Myxoid chondrosarcoma  
ILLINOIS - Chondroid sarcoma  
NORTH CAROLINA (WNC Pathology) - Myxoid chondrosarcoma (2); Extraskelatal chondrosarcoma/Myxoid chondrosarcoma  
LOUISIANA (Louisiana State University Medical Center) - Chondrosarcoma  
FLORIDA (Tallahassee) - Myxoid chondrosarcoma  
MARYLAND (Woodbine) - Chordoma (2)  
MARYLAND (National Naval Medical Center) - Extraskelatal chondrosarcoma (11); Mixed tumor (1)  
PENNSYLVANIA (Lehigh Valley Hospital) - Soft myxoid fibroma with areas of calcification and necrosis (1); Chordoma (1);  
 Myxoid chondrosarcoma (1); Myxoma (of nerve sheath?) (1); Favor extraskelatal chondrosarcoma (1); Myxoma (1)  
PENNSYLVANIA (Conemaugh Memorial Hospital) - Well-differentiated soft tissue myxoid chondrosarcoma  
PENNSYLVANIA (Lehigh Valley Hospital) - Chordoma  
PENNSYLVANIA (BB Group) - Low grade chondrosarcoma  
NEW YORK (Long Island Jewish Medical Center) - Extraskelatal myxoid chondrosarcoma  
NEW YORK (Impath) - Chondroma of soft parts, ? uncertain malignant potential  
NEW YORK (Northport) - Extraskelatal chondrosarcoma  
NEW JERSEY (Overlook Hospital) - Soft tissue chondrosarcoma (low grade) (2); Myxoma (1)  
MASSACHUSETTS (Berkshire Medical Center) - Chondroma (2); vs. Chondrosarcoma (6)  
CONNECTICUT (Univ Conn Health Center) - Chondroid syringoma (mixed tumor)/chondroma  
JAPAN (Kurashiki) - Myxoid chondrosarcoma (1); Extraskelatal chondroma (1)  
AUSTRALIA (Sydney) - Extraskelatal myxoid chondrosarcoma (7); Soft tissue chordoma (1)  
SAUDI ARABIA (King Khalid University Hospital) - Myxoid chondrosarcoma

**DIAGNOSIS:**

**LOW GRADE CARTILAGENOUS NEOPLASM, CONSISTENT WITH EXTRA-SKELETAL  
MYXOID CHONDROSARCOMA, RIGHT BUTTOCK**

TY1600, M92203

**REFERENCES:**

- Payne C, Dardict I and Mackay B. Extraskelatal Myxoid Chondrosarcoma with Intracisternal Microtubules. *Ultrastructural Pathol* 1994; 18(1-2):257-261.
- Saleh G, Evans HL, Ro JY and Ayla AG. Extraskelatal Myxoid Chondrosarcoma. A Clinicopathologic Study of Ten Patients with Long-Term Follow-Up. *Cancer* 1992; 70(12):2827-2830.
- Sciot R, Dal Cin P, Fletcher C, et al : t(9;22)(q22-31;q 11-12) is a Consistent Marker of Extraskelatal Myxoid Chondrosarcoma. Evaluation of Three Cases. *Mod Pathol* 1995; 8(7):765-768.
- Abramovici LC, Steiner GC and Bonar F. Myxoid Chondrosarcoma of Soft Tissue and Bone. A Retrospective Study of 11 Cases. *Hum Pathol* 1995; 26(1):1215-1220.
- Brody RI, Ueda T, Jhanwar SC, Bridge JA, Healey JH, Huvos AG, Gerald WL and Ladanyi M. Molecular Analysis of the Fusion of EWS to an Orphan Nuclear Receptor Gene in Extraskelatal Myxoid Chondrosarcoma. *Am J Pathol* 1997; 150(3):1049-1058.