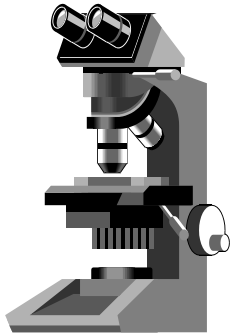


CALIFORNIA  
TUMOR TISSUE REGISTRY



*TUMORS OF THE SKIN*

Minutes – Subscription A

February 2000

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

Cell Culture Proof of Neurogenic Potential of Ewing's Sarcoma. Sugimoto T, et al. *Virchows Arch* 1997; 430:41-46.  
Immunohistochemical Markers for Distinguishing Spitz Nevi from Malignant Melanomas. Kanter-Lewensohn L, et al. *Mod Pathol* 1997; 10:917-920.  
Prognostic Evaluation of Cutaneous Malignant Melanoma. A Clinicopathologic and Immunohistochemical Study. Niezabitowski A, et al. *J of Surg Oncol* 1999; 70:150-160.

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)

Mountain View (El Camino Hospital) - Tuberous xanthoma  
Bakersfield - Xanthoma  
Bay Area - Granular cell tumor (4)  
Santa Rosa - Tuberous xanthoma (2); Fibrous xanthoma (1)  
Ventura (Unilab) - Nodular xanthoma (2)  
San Diego (Naval Medical Center) - Xanthoma  
Oakland (Kaiser) - Xanthoma (4)  
Santa Barbara (Cottage Hospital) - Xanthoma  
Monterey (Community Hospital of Monterey Peninsula) - Granular cell tumor  
Long Beach - Xanthoma (6)  
Nevada (Reno) - Granular cell tumor (2)  
Utah (Anatomic Pathology Associates) - Tuberous xanthoma  
Nebraska (Creighton University) - Xanthoma  
Texas, El Paso (Texas Technical Medical Health Center) - Xanthoma  
Texas (Residents of University of Texas Medical Branch) - Tuberous xanthoma  
Iowa (University of Iowa) - Xanthoma (probably eruptive)  
Michigan (Foote Hospital) - Xanthogranuloma  
Michigan (St. Joseph Mercy Hospital) - Xanthoma disseminatum (3)  
Florida (Tallahassee) - Xanthoma (3)  
Florida (Monroe Regional Medical Center) - Lepromatous leprosy  
New Jersey (Overlook Hospital) - Tuberous xanthoma (3); Xanthoma r/o lepromatous leprosy (1)  
Pennsylvania (Lehigh Valley Pathology Associates) - Malignant pleomorphic fibrous histiocytoma (1); Reticulohistiocytoma (1); Granular cell tumor (1)  
Pennsylvania (Residents Conemaugh Memorial Hospital) - Granular cell tumor  
Connecticut (University of Connecticut Health Center) - Tuberous xanthoma  
Massachusetts (Berkshire Medical Center) - Metabolic storage disease vs. Rosai-Dorfman disease vs. infectious leprosy  
New York (Long Island, Jewish Medical Center) - Xanthoma multiple, clinicopathological correlation required  
New York (Montefiore Medical Center) - Xanthoma tuberosum  
New York (Impath) - Tubero-eruptive xanthoma  
Maryland (University of Maryland) - Xanthoma  
Maryland (National Naval Medical Center) - Xanthoma  
Maryland (Woodbine) - Xanthoma (2)  
Japan (Kurashiki) - Xanthoma  
Saudi Arabia (King Khalid University Hospital) - Granular cell tumor (5) Xanthoma, skin (1)

**DIAGNOSIS:**

**Tuberous Xanthoma, Skin of Elbow**

T-Y8300, M-55320

REFERENCES:

Walton KW, et al. The Pathogenesis of Xanthomata. *J Pathol* 1973; 109:271.  
Wilkes LL. Tendon Xanthoma in Type IV Hyperlipoproteinemia. *South Med J* 1977; 70:254.  
Cho HR, et al. Generalized Tuberous Xanthoma with Type IV Hyperlipoproteinemia. *Cutis* 1997; 59(6):315-318.

Mountain View (El Camino Hospital) - Leiomyosarcoma  
Bakersfield - Subcutaneous leiomyosarcoma  
Bay Area - Leiomyosarcoma, low grade (4)  
Santa Rosa - Leiomyosarcoma (3)  
Ventura (Unilab) - Leiomyosarcoma (2)  
San Diego (Naval Medical Center) - Leiomyosarcoma  
Oakland (Kaiser) - Leiomyosarcoma (4)  
Santa Barbara (Cottage Hospital) - Leiomyosarcoma  
Monterey (Community Hospital of Monterey Peninsula) - Leiomyosarcoma  
Long Beach - Leiomyosarcoma (6)  
Nevada (Reno) - Leiomyosarcoma (2)  
Utah (Anatomic Pathology Associates) - Leiomyosarcoma  
Nebraska (Creighton University) - Leiomyosarcoma  
Texas, El Paso (Texas Technical Medical Health Center) - Leiomyosarcoma  
Texas (Residents of University of Texas Medical Branch) - Leiomyosarcoma  
Iowa (University of Iowa) - Leiomyosarcoma  
Michigan (Foote Hospital) - Leiomyosarcoma  
Michigan (St. Joseph Mercy Hospital) - Leiomyosarcoma (3)  
Florida (Tallahassee) - Leiomyosarcoma/Malignant fibrous histiocytoma (3)  
Florida (Monroe Regional Medical Center) - Leiomyosarcoma  
New Jersey (Overlook Hospital) - Leiomyosarcoma (4)  
Pennsylvania (Lehigh Valley Pathology Associates) - Fibroblastic fibrosarcoma (1); Leiomyosarcoma (2)  
Pennsylvania (Residents Conemaugh Memorial Hospital) - Leiomyosarcoma  
Connecticut (University of Connecticut Health Center) - MFH (cannot r/o leiomyosarcoma with certainty)  
Massachusetts (Berkshire Medical Center) - Leiomyosarcoma  
New York (Long Island, Jewish Medical Center) - Leiomyosarcoma  
New York (Montefiore Medical Center) - Leiomyosarcoma  
New York (Impath) - Leiomyosarcoma  
Maryland (University of Maryland) - Cutaneous leiomyosarcoma  
Maryland (National Naval Medical Center) - Leiomyosarcoma  
Maryland (Woodbine) - Leiomyosarcoma (2)  
Japan (Kurashiki) - Leiomyosarcoma  
Saudi Arabia (King Khalid University Hospital) - Leiomyosarcoma of skin

**DIAGNOSIS:**

**Cutaneous Leiomyosarcoma, Left Chest**

T-Y2100, M-88903

**REFERENCES:**

- Kaddu S, et al. Cutaneous Leiomyosarcoma. *Am J Surg Pathol* 1997; 21(9):979-987.  
Montes LF, et al. Response of Leiomyosarcoma to Cryosurgery. A Clinicopathological and Ultrastructural Study. *Clin Exp Dermatol* 1995; 20(1):22-26.  
Wascher RA, et al. Recurrent Cutaneous Leiomyosarcoma. *Cancer* 1992; 70(2):90-92.  
Dahl I, et al. Cutaneous and Subcutaneous Leiomyosarcoma. A Clinicopathologic Study of 47 Patients. *Pathol Eur* 1974; 9(4):307-315.

Mountain View (El Camino Hospital) - Metastatic melanoma  
Bakersfield - Metastatic melanoma  
Bay Area - Melanoma, metastatic (4)  
Santa Rosa - Metastatic melanoma (2); Lymph node with metastatic melanoma (1)  
Ventura (Unilab) - Metastatic melanoma  
San Diego (Naval Medical Center) - Metastatic melanoma  
Oakland (Kaiser) - Metastatic melanoma (4)  
Santa Barbara (Cottage Hospital) - Metastatic melanoma  
Monterey (Community Hospital of Monterey Peninsula) - Metastatic melanoma  
Long Beach - Metastatic malignant melanoma (6)  
Nevada (Reno) - Metastatic melanoma (2)  
Utah (Anatomic Pathology Associates) - Metastatic melanoma  
Nebraska (Creighton University) - Metastatic melanoma  
Texas, El Paso (Texas Technical Medical Health Center) - Metastatic malignant melanoma  
Texas (Residents of University of Texas Medical Branch) - Metastatic melanoma  
Iowa (University of Iowa) - Metastatic melanoma  
Michigan (Foote Hospital) - Metastatic melanoma  
Michigan (St. Joseph Mercy Hospital) - Metastatic melanoma (3)  
Florida (Tallahassee) - Metastatic malignant melanoma  
Florida (Monroe Regional Medical Center) - Metastatic melanoma  
New Jersey (Overlook Hospital) - Metastatic melanoma (4)  
Pennsylvania (Lehigh Valley Pathology Associates) - Metastatic melanocarcinoma in lymphoid tissues (1); Metastatic melanoma (2)  
Pennsylvania (Residents Conemaugh Memorial Hospital) - Metastatic malignant melanoma  
Connecticut (University of Connecticut Health Center) - Metastatic melanoma  
Massachusetts (Berkshire Medical Center) - Metastatic melanoma  
New York (Long Island, Jewish Medical Center) - Metastatic malignant melanoma  
New York (Montefiore Medical Center) - Metastatic melanoma to lymph node  
New York (Impath) - Metastatic melanoma  
Maryland (University of Maryland) - Metastatic melanoma  
Maryland (National Naval Medical Center) - Metastatic melanoma  
Maryland (Woodbine) - Metastatic melanoma (2)  
Japan (Kurashiki) - Malignant melanoma, metastatic  
Saudi Arabia (King Khalid University Hospital) - Metastatic malignant melanoma

**DIAGNOSIS:**

**Metastatic Melanoma, Inguinal Lymph Nodes**

T-08000, M-87203

**REFERENCES:**

- Karakousis CP, et al. Survival after Groin Dissection for Malignant Melanoma. *Surg* 1991; 109(2):119-126.  
Pu LL, et al. Lymphatic Mapping and Sentinel Lymph Node Biopsy In Patients with Melanoma of the Lower Extremity. *Plast Reconstr Surg* 1999; 104(4):964-969.  
Singletary SE, et al. Melanoma with Metastasis to Regional Axillary or Inguinal Lymph Nodes. Prognostic Factors and Results of Surgical Treatment in 714 Patients. *South Med J* 1988; 81(1):5-9.  
Jonk A, et al. Contralateral Inguinal Lymph Node Metastasis in Patients with Melanoma of the Lower Extremities. *Br J Surg* 1989; 76(11):1161-1162.

Mountain View (El Camino Hospital) - Pigmented squamous cell carcinoma  
Bakersfield - Metastatic carcinoma  
Bay Area - Squamous cell carcinoma (3); Carcinoma, NOS (1)  
Santa Rosa - Malignant adnexal tumor (1); Metastatic carcinoma (1); Metastatic carcinoma, differential diagnosis-melanoma (1)  
Ventura (Unilab) - Metastatic carcinoma, probable breast, within keloid (2)  
San Diego (Naval Medical Center) - Microcystic adnexal carcinoma (5); Squamous cell carcinoma (2); Basal cell carcinoma (2)  
Oakland (Kaiser) - Poorly differentiated squamous cell carcinoma (4)  
Santa Barbara (Cottage Hospital) - Squamous cell carcinoma in keloid  
Monterey (Community Hospital of Monterey Peninsula) - Metastatic carcinoma  
Long Beach - Adnexal carcinoma (6)  
Nevada (Reno) - Malignant skin adnexal tumor (1); Malignant adnexal tumor, favor sclerosing sweat duct carcinoma (1)  
Utah (Anatomic Pathology Associates) - Squamous cell carcinoma  
Nebraska (Creighton University) - Squamous cell carcinoma  
Texas, El Paso (Texas Technical Medical Health Center) - Adnexal carcinoma, well-differentiated  
Texas (Residents of University of Texas Medical Branch) - Well-differentiated, invasive squamous cell carcinoma with involvement of underlying keloid  
Iowa (University of Iowa) - Squamous cell carcinoma arising in scar  
Michigan (Foote Hospital) - Pigmented squamous cell carcinoma  
Michigan (St. Joseph Mercy Hospital) - Invasive carcinoma with squamous differentiation, primary vs. metastatic (? breast) (3)  
Florida (Tallahassee) - Metaplastic carcinoma/squamous cell carcinoma  
Florida (Monroe Regional Medical Center) - Squamous cell carcinoma  
New Jersey (Overlook Hospital) - Sweat duct carcinoma (3); Squamous cell carcinoma arising in a keloid (1)  
Pennsylvania (Lehigh Valley Pathology Associates) - Poorly to moderate differentiated squamous cell carcinoma growing in a background of an ulcerated keloid with areas of melanin deposits (in African-American female patients) (1); Epithelioid sarcoma (1); Infiltrating carcinoma, favor squamous (1)  
Pennsylvania (Residents Conemaugh Memorial Hospital) - Sweat gland carcinoma, sclerosing type  
Connecticut (University of Connecticut Health Center) - Desmoplastic squamous cell carcinoma  
Massachusetts (Berkshire Medical Center) - Probable mammary carcinoma  
New York (Long Island, Jewish Medical Center) - Squamous adnexal tumor with melanotic hyperplasia resembling microcystic carcinoma  
New York (Montefiore Medical Center) - Squamous cell carcinoma involving keloid vs. breast carcinoma involving keloid/favor former  
New York (Impath) - Squamous cell carcinoma arising in keloid  
Maryland (University of Maryland) - Microcystic adnexal carcinoma  
Maryland (National Naval Medical Center) - Infiltrating carcinoma (NOS)  
Maryland (Woodbine) - Ductal carcinoma of the breast (1); Metaplastic carcinoma, metastatic (1)  
Japan (Kurashiki) - Squamous cell carcinoma  
Saudi Arabia (King Khalid University Hospital) - Desmoplastic malignant melanoma

**DIAGNOSIS:****Pigmented Sweat Gland Carcinoma, Skin of Breast**

T-04000, M-80723

Consultation: Juan Rosai, M.D., Memorial Sloan-Kettering Cancer Center. "Pigmented sweat gland carcinoma."

**REFERENCES:**

- Swanson PE, et al. Eccrine Sweat Gland Carcinoma. A Histologic and Immunohistochemical Study of 32 Cases. *J Cutan Pathol* 1987; 14(2):65-86.
- Swanson PE, et al. Immunoreactivity for Estrogen Receptor Protein in Sweat Gland Tumors. *Am J Surg Pathol* 1991; 15(9):835-841.
- Cruz DJ. Sweat Gland Carcinoma. A Comprehensive Review. *Semin Diagn Pathol* 1987; 4(1):38-74.

Mountain View (El Camino Hospital) - Spindle cell melanoma  
Bakersfield - Malignant nerve sheath tumor  
Bay Area - Malignant nerve sheath tumor (schwannoma features) (4)  
Santa Rosa - Malignant schwannoma rule out melanoma (1); Malignant schwannoma (2)  
Ventura (Unilab) - Neurofibrosarcoma (2)  
San Diego (Naval Medical Center) - Malignant peripheral nerve sheath tumor (7); Spindle cell melanoma (2)  
Oakland (Kaiser) - Melanoma-spindle cell type (4)  
Santa Barbara (Cottage Hospital) - Malignant peripheral nerve sheath tumor  
Monterey (Community Hospital of Monterey Peninsula) - Neurofibrosarcoma  
Long Beach - Malignant schwannoma (6)  
Nevada (Reno) - Malignant schwannoma (1); Malignant peripheral nerve sheath tumor (1)  
Utah (Anatomic Pathology Associates) - Malignant peripheral nerve sheath tumor vs. leiomyosarcoma  
Nebraska (Creighton University) - Malignant schwannoma  
Texas, El Paso (Texas Technical Medical Health Center) - Malignant peripheral nerve sheath tumor  
Texas (Residents of University of Texas Medical Branch) - Malignant peripheral nerve sheath tumor  
Iowa (University of Iowa) - Malignant peripheral nerve sheath tumor  
Michigan (Foote Hospital) - Spindle cell melanoma  
Michigan (St. Joseph Mercy Hospital) - Malignant peripheral nerve sheath tumor vs. melanoma (3)  
Florida (Tallahassee) - Spindle cell melanoma (3)  
Florida (Monroe Regional Medical Center) - Malignant peripheral nerve sheath tumor  
New Jersey (Overlook Hospital) - Neurofibrosarcoma (3); Cellular schwannoma (1)  
Pennsylvania (Lehigh Valley Pathology Associates) - Amelanotic malignant melanoma spindle cell acroma-like features and alveolar patterns (1); Melanoma (1); Neurogenic sarcoma (1)  
Pennsylvania (Residents Conemaugh Memorial Hospital) - Malignant peripheral nerve sheath tumor  
Connecticut (University of Connecticut Health Center) - Malignant peripheral nerve sheath tumor (must also consider spindle cell melanoma)  
Massachusetts (Berkshire Medical Center) - Desmoplastic melanoma  
New York (Long Island, Jewish Medical Center) - Sarcoma, favor malignant peripheral nerve sheath tumor (should perform HMB-45 to exclude melanoma)  
New York (Montefiore Medical Center) - Neurofibrosarcoma  
New York (Impath) - Spindle cell melanoma  
Maryland (University of Maryland) - Spindle cell malignant melanoma  
Maryland (National Naval Medical Center) - Spindle cell melanoma (7); Malignant peripheral nerve sheath tumor (6)  
Maryland (Woodbine) - Malignant peripheral nerve sheath tumor (2)  
Japan (Kurashiki) - Malignant melanoma, spindle-cell  
Saudi Arabia (King Khalid University Hospital) - Malignant peripheral nerve sheath tumor

**DIAGNOSIS:**

**Spindle Cell Melanoma, Skin of Neck**

T-02300, M-87723

**Directors Note:** Virtually all spindle cell melanomas stain for S-100 protein, but fail to express HMB-45. (drc)

**REFERENCES:**

Nahkleh RE, et al. Morphologic Diversity in Malignant Melanomas. *Am J Clin Pathol* 1990; 93(6):731-740.  
Anstey A, et al. Desmoplastic Malignant Melanoma. An Immunohistochemical Study of 25 Cases. *Am J Dermatopathol* 1994; 16(1):14-22.  
Whorton JM, et al. Desmoplastic Malignant Melanoma. Diagnosis of Early Clinical Lesions. *Hum Pathol* 1999; 30(5):537-542.  
Wick MR, et al. Cutaneous Sarcomas and Sarcomatoid Neoplasms of the Skin. *Semin Diagn Pathol* 1993; 10(2):148-158.

Mountain View (El Camino Hospital) - Dermatofibrosarcoma protuberans  
Bakersfield - Dermatofibroma  
Bay Area - Schwannoma (2); Neurofibroma (2)  
Santa Rosa - Dermatofibrosarcoma protuberans (1); Fibromatosis/dermatofibrosarcoma protuberans (1); Dermatofibrosarcoma protuberans, differential diagnosis-dermatofibroma (1)  
Ventura (Unilab) - Neurilemmoma (2)  
San Diego (Naval Medical Center) - Dermatofibrosarcoma protuberans (DFSP)  
Oakland (Kaiser) - Dermatofibrosarcoma protuberans (4)  
Santa Barbara (Cottage Hospital) - Dermatofibrosarcoma protuberans  
Monterey (Community Hospital of Monterey Peninsula) - Dermatofibrosarcoma protuberans  
Long Beach - Dermatofibrosarcoma protuberans (6)  
Nevada (Reno) - Dermatofibrosarcoma protuberans (2)  
Utah (Anatomic Pathology Associates) - Dermatofibrosarcoma protuberans  
Nebraska (Creighton University) - Dermatofibrosarcoma protuberans  
Texas, El Paso (Texas Technical Medical Health Center) - Elastofibroma  
Texas (Residents of University of Texas Medical Branch) - Dermatofibrosarcoma protuberans  
Iowa (University of Iowa) - Plexiform neurofibroma  
Michigan (Foote Hospital) - Dermatofibrosarcoma protuberans  
Michigan (St. Joseph Mercy Hospital) - Dermatofibrosarcoma protuberans (3)  
Florida (Tallahassee) - Dermatofibrosarcoma protuberans  
Florida (Monroe Regional Medical Center) - Elastofibroma  
New Jersey (Overlook Hospital) - Dermatofibrosarcoma protuberans (4)  
Pennsylvania (Lehigh Valley Pathology Associates) - Desmoid tumor (1); Dermatofibrosarcoma (1); Malignant fibrous histiocytoma (1)  
Pennsylvania (Residents Conemaugh Memorial Hospital) - Dermatofibroma/pigmented DFSP (Bednar's tumor)  
Connecticut (University of Connecticut Health Center) - Dermatofibrosarcoma protuberans, low grade  
Massachusetts (Berkshire Medical Center) - Dermatofibrosarcoma protuberans  
New York (Long Island, Jewish Medical Center) - Dermatofibrosarcoma protuberans (DFSP)  
New York (Montefiore Medical Center) - Dermatofibrosarcoma protuberans  
New York (Impath) - Dermatofibrosarcoma protuberans  
Maryland (University of Maryland) - Bednar tumor  
Maryland (National Naval Medical Center) - Dermatofibrosarcoma protuberans  
Maryland (Woodbine) - Schwannoma (2)  
Japan (Kurashiki) - Dermatofibrosarcoma protuberans  
Saudi Arabia (King Khalid University Hospital) - Dermatofibrosarcoma protuberans (5); Cellular variant of dermatofibroma (1)

## **DIAGNOSIS:**

**Pigmented Dermatofibrosarcoma Protuberans ("Bednar Tumor"), Skin of Shoulder**  
T-Y1220, M-88323

## **REFERENCES:**

- Davis DA, et al. Atrophic and Plaquelike Fibrosarcoma Protuberans. *Am J Dermatol* 1998; 20(5):498-501.  
Carlson A, et al. (Letter to the Editor.) Dermatofibrosarcoma Protuberans Can Induce Epidermal Hyperplasia that is Inversely Related to its Proximity to the Dermis. *Am J Dermatol* 1998; 20(4):428-430.  
Franchi A, et al. Tenascin Expression in Cutaneous Fibrohistiocytic Tumors. Immunohistochemical Investigation of 24 Cases. *Am J Dermatopathol* 1996; 18(5):454-459.  
Duda RB, et al. Growth Factor Receptor and Related Oncogene Determination in Mesenchymal Tumors. *Cancer* 1993; 71(11):3526-3530.

Mountain View (El Camino Hospital) - Extramammary Paget's disease  
Bakersfield - Extramammary Paget's disease  
Bay Area - Adenocarcinoma with Paget's disease (4)  
Santa Rosa - Extramammary Paget's disease rule out melanoma with IPOX (1); Extramammary Paget's disease (1); Melanoma, differential diagnosis-Paget's disease (1)  
Ventura (Unilab) - Extramammary Paget's disease (2)  
San Diego (Naval Medical Center) - Extramammary Paget's disease (8); Extramammary Paget's disease, favor secondary (2)  
Oakland (Kaiser) - Extramammary Paget's disease (4)  
Santa Barbara (Cottage Hospital) - Extramammary Paget's disease  
Monterey (Community Hospital of Monterey Peninsula) - Paget's disease  
Long Beach - Paget's disease (6)  
Nevada (Reno) - Paget's disease of skin (1); Extramammary Paget's disease (1)  
Utah (Anatomic Pathology Associates) - Extramammary Paget's disease  
Nebraska (Creighton University) - Extramammary Paget's disease  
Texas, El Paso (Texas Technical Medical Health Center) - Paget's disease, extramammary  
Texas (Residents of University of Texas Medical Branch) - Extramammary Paget's disease  
Iowa (University of Iowa) - Extramammary Paget's disease/hemorrhoids  
Michigan (Foote Hospital) - Extramammary Paget's disease  
Michigan (St. Joseph Mercy Hospital) - Extramammary Paget's disease (3)  
Florida (Tallahassee) - Extramammary Paget's disease  
Florida (Monroe Regional Medical Center) - Paget's disease  
New Jersey (Overlook Hospital) - Extramammary Paget's disease (4)  
Pennsylvania (Lehigh Valley Pathology Associates) - Superficial spreading malignant melanoma (pre-malignant melanosis or pagetoid melanoma) (1); Paget's disease (1); Paget's disease of anus (1)  
Pennsylvania (Residents Conemaugh Memorial Hospital) - Extramammary Paget's disease  
Connecticut (University of Connecticut Health Center) - Paget's disease and underlying angioma  
Massachusetts (Berkshire Medical Center) - Extramammary Paget's disease  
New York (Long Island, Jewish Medical Center) - Paget's disease  
New York (Montefiore Medical Center) - Extramammary Paget's disease  
New York (Impath) - Extramammary Paget's disease  
Maryland (University of Maryland) - Extramammary Paget's  
Maryland (National Naval Medical Center) - Paget's disease  
Maryland (Woodbine) - Extramammary Paget's disease (2)  
Japan (Kurashiki) - Paget's disease, extramammary, possibly secondary  
Saudi Arabia (King Khalid University Hospital) - Extramammary Paget's disease (5); mucin secreting adenocarcinoma with pagetoid spread (1)

#### **DIAGNOSIS:**

**Extramammary Paget's Disease, Perianal Skin**

T-69000, M-85423

#### **REFERENCES:**

- Sitakalin C, et al. Mammary and Extramammary Paget's Disease. *Am J Dermatopathol* 1985; 7(4):335-340.  
Kariniemi AL, et al. Paget's Cell Express Cytokeratins Typical of Glandular Epithelia. *Br J Dermatol* 1985; 112(2):179-183.  
Mori O, et al. Expression of ras p21 in Mammary and Extramammary Paget's Disease. *Arch Pathol Lab Med* 1990; 114(8):858-861.  
Keatings L, et al. c-erbB-2 Oncoprotein Expression in Mammary and Extra-Mammary Paget's Disease. An Immunohistochemical Study. *Histopathology* 1990; 17(3):243-247.  
Goldblum JR, et al. Perianal Paget's Disease. A Histologic and Immunohistochemical Study of 11 Cases With and Without Associated Rectal Adenocarcinoma. *Am J Surg Pathol* 1998; 22(2):170-179.



Mountain View (El Camino Hospital) - Adenoid squamous cell carcinoma  
Bakersfield - Poorly differentiated carcinoma  
Bay Area - Adenocarcinoma (?adnexal origin) (4)  
Santa Rosa - Malignant adnexal neoplasm (1); Metastatic renal cell carcinoma (1); Malignant neoplasm (biphasic pattern) (1)  
Ventura (Unilab) - Metastatic carcinoma, probable breast (2)  
San Diego (Naval Medical Center) - Malignant adnexal carcinoma, NOS (8); Squamous cell carcinoma (2)  
Oakland (Kaiser) - Ductal carcinoma (4)  
Santa Barbara (Cottage Hospital) - Carcinoma, favor adenocarcinoma  
Monterey (Community Hospital of Monterey Peninsula) - Adenocarcinoma  
Long Beach - Carcinoma (acantholytic squamous cell carcinoma?) (6)  
Nevada (Reno) - Recurrent poorly differentiated carcinoma (1); Infiltrating carcinoma, favor acantholytic squamous cell  
Utah (Anatomic Pathology Associates) - Adnexal carcinoma  
Nebraska (Creighton University) - Malignant syringoma  
Texas, El Paso (Texas Technical Medical Health Center) - Adenocarcinoma  
Texas (Residents of University of Texas Medical Branch) - Clear cell eccrine carcinoma (clear cell hidradenocarcinoma)  
Iowa (University of Iowa) - Ductal eccrine carcinoma  
Michigan (Foote Hospital) - Epithelioid angiosarcoma  
Michigan (St. Joseph Mercy Hospital) - Pseudoangiomatous squamous carcinoma (3)  
Florida (Tallahassee) - Metastatic carcinoma favor breast-metastatic clear cell carcinoma  
Florida (Monroe Regional Medical Center) - Basal cell carcinoma with sebaceous differentiation  
New Jersey (Overlook Hospital) - Acantholytic squamous cell carcinoma (1); Epithelioid sarcoma (2); Eccrine gland carcinoma (1)  
Pennsylvania (Lehigh Valley Pathology Associates) - Monophasic sclerosing tendosynovial sarcoma or "epithelioid sarcoma" (trapped in collagenous dense stroma) (1); Adenocarcinoma (1); Metastatic poorly differentiated non-small cell carcinoma (1)  
Pennsylvania (Residents Conemaugh Memorial Hospital) - Sebaceous carcinoma/eccrine adenocarcinoma  
Connecticut (University of Connecticut Health Center) - Adenosquamous cell carcinoma  
Massachusetts (Berkshire Medical Center) - Metastatic carcinoma  
New York (Long Island, Jewish Medical Center) - Sebaceous carcinoma ? arising in the background of Muir-Torre syndrome  
New York (Montefiore Medical Center) - Metatypical basal cell carcinoma  
New York (Impath) - Invasive carcinoma primary in skin  
Maryland (University of Maryland) - Adenocarcinoma, unknown primary  
Maryland (National Naval Medical Center) - Poorly differentiated carcinoma, possibly metastatic breast carcinoma  
Maryland (Woodbine) - Poorly differentiated carcinoma (1); Pleomorphic carcinoma (1)  
Japan (Kurashiki) - Squamous cell carcinoma, angiomatoid  
Saudi Arabia (King Khalid University Hospital) - Malignant appendageal tumor, probably arising on a background of multiple cylindromas; Sweat gland carcinoma; Metastatic adenocarcinoma

**DIAGNOSIS:**

**Invasive Carcinoma of Skin (NOS), Forehead**

T-Y0110, M-80103

**REFERENCES:**

Miller SJ, et al. Biology of Basal Cell Carcinoma (Part I). *J Am Acad Dermatol* 1991; 24(1):1-13.  
Miller DL, et al. Non Melanoma Skin Cancer in the United States. Incidence. *J Am Acad Dermatol* 1994; 30(5 Pt 1):774-778.  
Johnson TM, et al. Unusual Basal Cell Carcinoma. *Cutis* 1994; 54:85-92.  
Oram Y, et al. Histologic Patterns of Basal Cell Carcinoma Based Upon Patient Immunostatus. *Dermatol Surg* 1995; 21(7):611-614.  
Randle HW, et al. Basal Cell Carcinoma. Identification and Treatment of the High-Risk Patient. *Dermatol Surg* 1996; 22(3):255-261.

Mountain View (El Camino Hospital) - Sarcomatoid squamous cell carcinoma  
Bakersfield - Poorly differentiated carcinoma, possible squamous  
Bay Area - Squamous cell carcinoma (4)  
Santa Rosa - Poorly differentiated squamous cell carcinoma (1) Pseudosarcomatous squamous cell carcinoma (1); Poorly differentiated carcinoma (probably squamous) and a seborrheic keratosis (1)  
Ventura (Unilab) - Poorly differentiated squamous cell carcinoma (2)  
San Diego (Naval Medical Center) - Spindle cell squamous cell carcinoma  
Oakland (Kaiser) - Sarcomatoid squamous cell carcinoma (4)  
Santa Barbara (Cottage Hospital) - Squamous cell carcinoma  
Monterey (Community Hospital of Monterey Peninsula) - Squamous cell carcinoma  
Long Beach - Spindle cell squamous cell carcinoma (6)  
Nevada (Reno) - Poorly differentiated carcinoma (1); Carcinoma of possible adnexal derivation (1)  
Utah (Anatomic Pathology Associates) - Squamous cell carcinoma-spindle cell  
Nebraska (Creighton University) - Malignant eccrine poroma  
Texas, El Paso (Texas Technical Medical Health Center) - Malignant eccrine poroma  
Texas (Residents of University of Texas Medical Branch) - Squamous cell carcinoma, spindle cell type  
Iowa (University of Iowa) - Poorly differentiated carcinoma, need to rule out sebaceous carcinoma  
Michigan (Foote Hospital) - Carcinoma, rule out ? (illegible)  
Michigan (St. Joseph Mercy Hospital) - Poorly differentiated carcinoma, eccrine vs. sebaceous origin (3)  
Florida (Tallahassee) - Poorly differentiated carcinoma, r/o epithelioid sarcoma  
Florida (Monroe Regional Medical Center) - Squamous cell carcinoma  
New Jersey (Overlook Hospital) - Invasive squamous cell carcinoma (undifferentiated) (1); Poorly differentiated carcinoma (1); Undifferentiated malignant tumor (2)  
Pennsylvania (Lehigh Valley Pathology Associates) - Malignant pleomorphic fibrous xanthoma (fibroxanthosarcoma) (1); Apocrine adenocarcinoma (1); Poorly differentiated non-small cell carcinoma, favor squamous (1)  
Pennsylvania (Residents Conemaugh Memorial Hospital) - Spindle cell squamous cell carcinoma  
Connecticut (University of Connecticut Health Center) - Poorly differentiated skin appendage carcinoma  
Massachusetts (Berkshire Medical Center) - Invasive squamous cell carcinoma  
New York (Long Island, Jewish Medical Center) - Spindle cell squamous carcinoma  
New York (Montefiore Medical Center) - Spindle cell squamous cell carcinoma  
New York (Impath) - Poorly differentiated squamous carcinoma with overlying seborrheic keratosis  
Maryland (University of Maryland) - Squamous cell carcinoma  
Maryland (National Naval Medical Center) - Poorly differentiated carcinoma  
Maryland (Woodbine) - Seborrheic keratosis with SCC (2)  
Japan (Kurashiki) - Carcinoma, spindle cell  
Saudi Arabia (King Khalid University Hospital) - Spindle cell squamous carcinoma (2); Sebaceous carcinoma (3); Metastatic renal cell carcinoma (1)

**DIAGNOSIS:**

**Spindle Cell Carcinoma Skin of Forehead**

T-Y0110, M-80323

**REFERENCES:**

Marks R, et al. Squamous Cell Carcinoma. *Lancet* 1996; (9003) 347:735-738.  
Bernstein SC, et al. The Many Faces of Squamous Cell Carcinoma. *Dermatol Surg* 1996; 22(3):243-254.  
Smith KJ, et al. Spindle Cell Neoplasms Co Expressing Cytokeratin and Vimentin (Metaplastic Squamous Cell Carcinoma). *J Cutan Pathol* 1992; 19(4):286-293.  
Ampil FL, et al. Perineural Invasion in Skin Cancer of the Head and Neck. *J Oral Maxillofac Surg* 1995; 53(1):34-38.

Mountain View (El Camino Hospital) - Hemangiopericytoma  
Bakersfield - Vascular tumor of intermediate malignancy  
Bay Area - Hemangiopericytoma (2); Vasoformative tumor (1); Solitary fibrous tumor ? meningioma (1)  
Santa Rosa - Hemangiopericytoma vs. hemangiosarcoma (1); hemangiopericytoma rule out other mesenchymal tumor (1); Hemangioendothelioma (spindle cell type), need reticulin stain –differential diagnosis-hemangiopericytoma (1)  
Ventura (Unilab) - Hemangiopericytoma (2)  
San Diego (Naval Medical Center) - Hemangiopericytoma  
Oakland (Kaiser) - Hemangiopericytoma/solitary fibrous tumor (4)  
Santa Barbara (Cottage Hospital) - Solitary fibrous tumor  
Monterey (Community Hospital of Monterey Peninsula) - Hemangiopericytoma  
Long Beach - Dermatofibrosarcoma protuberans (6)  
Nevada (Reno) - Solitary fibrous tumor of skin (1); Hemangiopericytoma (1)  
Utah (Anatomic Pathology Associates) - Hemangiopericytoma vs. hemangioendothelioma vs. solitary fibrous tumor  
Nebraska (Creighton University) - Hemangiopericytoma  
Texas, El Paso (Texas Technical Medical Health Center) - Dermatofibrosarcoma protuberans  
Texas (Residents of University of Texas Medical Branch) - Hemangiopericytoma  
Iowa (University of Iowa) - Dermatofibrosarcoma protuberans  
Michigan (Foote Hospital) - Hemangiopericytoma  
Michigan (St. Joseph Mercy Hospital) - Dermatofibrosarcoma protuberans  
Florida (Tallahassee) - Dermatofibrosarcoma protuberans  
Florida (Monroe Regional Medical Center) - Dermatofibrosarcoma protuberans  
New Jersey (Overlook Hospital) - Hemangiopericytoma (4)  
Pennsylvania (Lehigh Valley Pathology Associates) - Dermatofibrosarcoma protuberans (1); Hemangiopericytoma (2)  
Pennsylvania (Residents Conemaugh Memorial Hospital) - Hemangiopericytoma/Dermatofibrosarcoma protuberans  
Connecticut (University of Connecticut Health Center) - Hemangiopericytoma  
Massachusetts (Berkshire Medical Center) - Dermatofibrosarcoma protuberans  
New York (Long Island, Jewish Medical Center) - Hemangiopericytoma, differential diagnosis: meningioma, solitary fibrous tumor (1)  
New York (Montefiore Medical Center) - Hemangiopericytoma  
New York (Impath) - Dermatofibrosarcoma protuberans  
Maryland (University of Maryland) - Dermatofibrosarcoma protuberans  
Maryland (National Naval Medical Center) - Hemangiopericytoma  
Maryland (Woodbine) - Hemangiopericytoma (2)  
Japan (Kurashiki) - So-called hemangiopericytoma  
Saudi Arabia (King Khalid University Hospital) - Dermatofibrosarcoma protuberance

**DIAGNOSIS:**

**Hemangiopericytoma, Scalp**

T-Y0160, M-91501

**REFERENCES:**

- Okamura JM, et al. Solitary Fibrous Tumor of the Skin. *Am J Dermatopathol* 1997; 19(5):515-518.  
Nappi O, et al. Hemangiopericytoma. Histopathological Pattern or Clinicopathologic Entity? *Semin Diagn Pathol* 1995; 12(3):221-232.  
Craven JP, et al. Current Management and Clinical Outcome of Hemangiopericytomas. *Am J Surg* 1992; 163(5):490-493.  
Philippou S, et al. Hemangiopericytoma of the Head and Neck Region. A Clinical and Morphological Study of Three Cases. *Int J Oral Maxillofac Surg* 1992; 21(2):99-103.  
Nemes Z. Differentiation Markers in Hemangiopericytoma. *Cancer* 1992; 69(1):133-140.