

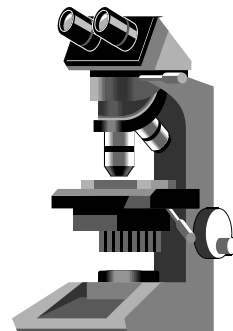


CALIFORNIA  
TUMOR TISSUE REGISTRY

“GENERAL PATHOLOGY”

Minutes – Subscription B

March, 2003



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

Simple Clefts, Complex Problems: Reflections of Glandular Lesions of the Uterine Cervix. Young RH. *Int J Gynecol Pathol*, 2002 July; 21(3):216-222.

Central Zone Histology of the Prostate: A Mimicker of High Grade Prostatic Intraepithelial Neoplasia. Srodon M, Epstein JI. *Human Pathol*, 2002 May; 33(5):518-527.

Genetics of Synchronous Uterine and Ovarian Endometrioid Carcinoma: Combined Analysis of Loss of Heterozygosity, *PTEN* Mutation and Microsatellite Instability. *Hum Pathol*, 2002 Apr; 33(4):421-428.

Pathology-Medicine's Search for Meaning in the New Millennium. Editorial. Hardwick DF. *Human Pathol*, 2002 January; 33(1):1.

Glivec (STI571, Imatinib): A Rationally Developed, Targeted Anticancer Drug. Capdeville R, Buchdunger E, Zimmermann J, Matter A. *Nature Review*, 2002 July; 1(7):493-502.

California Tumor Tissue Registry  
c/o: Department of Pathology and Human Anatomy  
Loma Linda University School of Medicine  
11021 Campus Avenue, AH 335  
Loma Linda, California 92350  
(909) 558-4788  
FAX: (909) 558-0188  
E-mail: [cttr@linkline.com](mailto:cttr@linkline.com)  
Web site & Case of the Month: [www.cttr.org](http://www.cttr.org)

## **FILE DIAGNOSES**

**CTTR Subscription B**

**March, 2003**

**Case 1:**

**Congenital intradermal nevus, ankle  
T-02840, M-87500**

**Case 2:**

**Desmoplastic "spindle cell" melanoma, cheek  
T-02121, M-87723**

**Case 3:**

**Paget's Disease ("extra-mammary Paget's Disease"), vulva  
T-80100, M-85423**

**Case 4:**

**Pilomatrixoma ("calcifying epithelioma of Malherbe"), chest wall  
T-Y2150, M-81100**

**Case 5:**

**Keratoacanthoma (well-differentiated squamous cell carcinoma,  
keratoacanthomatous subtype), hand  
T-02650, M-72860**

**Case 6:**

**Squamous cell carcinoma, likely viral-related, hand  
T-02650, M-80703**

**Case 7:**

**Merkel cell (neuroendocrine) carcinoma, cheek  
T-02121, M-80416**

**Case 8:**

**Dermatofibrosarcoma protuberans (DFSP), thigh  
T-02810, M-88323**

**Case 9:**

**Clear cell hidradenoma, toe  
T-02990, M-84020**

**Case 10:**

**Sebaceous carcinoma, buttock  
T-02471, M-84103**

**Case No. 1, Accession No. 13929****March 2003**

Escondido - Intradermal nevus, congenital pattern, with neurotization  
Glendale (Glendale Pathology Association) - Intradermal nevus with neurotization  
Loma Linda - Congenital Nevus  
Modesto (Yosemite Pathology Medical Group) - Giant congenital nevus  
Orange (UCI Medical Center Residents) - Intradermal nevus with congenital features  
Sacramento (UC Davis Medical Center) - Congenital melanocytic nevus, deep type (congenital hairy nevus)  
San Diego (Naval Medical Center) - Congenital nevus  
Alabama (Cunningham Pathology) - Congenital nevocellular nevus  
Arizona (Phoenix Memorial Hospital) - Congenital melanocytic nevus  
Colorado, Denver - Neurotizing intradermal nevus  
Florida (Winter Haven Hospital) - Congenital nevus  
Florida, Miami - Non-giant intradermal congenital nevus  
Florida, Ocala - Congenital nevus  
Georgia, Decatur - Dermal nevus with congenital features and neurotization  
Illinois (Heartland Regional Medical Center) - Congenital intradermal nevus  
Indiana, Fort Wayne - Congenital nevus, ankle  
Kansas (Coffeyville Regional Medical Center) - Giant intradermal nevus  
Kansas (Kansas University Medical Center) - Congenital hairy nevus  
Louisiana, Metairie - Intradermal nevus  
Maryland (National Naval Medical Center) - Congenital hairy nevus  
Maryland (University of Maryland Medical Center) - Congenital dermal nevus  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - (Congenital) dermal nevus  
Michigan (St. Joseph Mercy Hospital) - Congenital nevus  
Nebraska (Good Samaritan Hospital) - Dermal melanocytic nevus, congenital type  
Nevada, Las Vegas - Benign intradermal congenital type nevus  
New Mexico (University of New Mexico) - Congenital nevus  
New York (Nassau University Medical Center) - Congenital nevus  
New York (Westchester Medical Center) - Giant congenital melanocytic nevus  
Ohio (Medical College of Ohio) - Congenital intradermal nevus  
Ohio, Columbus - Nevus with congenital features  
Pennsylvania (Allegheny General Hospital) - Giant congenital nevus  
Pennsylvania (Memorial Medical Center) - Compound congenital nevus  
Pennsylvania (Magee Women's Hospital) - Congenital nevus  
Pennsylvania, Pittsburgh - Giant congenital nevus, predominantly dermal  
Texas (Scott & White Hospital) - Congenital nevus  
Texas, Houston - Intradermal melanocytic nevus  
Texas, Lubbock - Congenital nevus  
Texas, San Antonio - Congenital nevus  
Washington, D.C. - Intradermal nevus, congenital type  
Canada (CUSL, Site Fleurimont) - Congenital melanocytic nevus  
China (Sir Run Run Shaw Hospital) - Intradermal nevus  
Japan (Hamamatsu University School of Medicine) - Intradermal nevus  
Japan (Shimada City Hospital) - Congenital nevus  
Japan (Gunma University Hospital) - Congenital melanocytic nevus  
Japan (Saiseikai Shiga Hospital) - Nevus cell nevus, intradermal nevus  
Puerto Rico (University of Puerto Rico) - Congenital intradermal nevus  
Qatar, Doha - Congenital intradermal nevus  
Spain (Povisa) - Naevi giant hairy  
The Netherlands, Amstelveen - Congenital nevus + neuroid features

**Case 1 - Diagnosis:****Congenital intradermal nevus, ankle****T-02840, M-87500****Case 1 - References:**

Evans MJ, Sanders DS, Grant JH, Blessing K: Expression of Melan-A in Spitz, Pigmented Spindle Cell Nevi, and Congenital Nevi: Comparative Immunohistochemical Study. *Pediatr Dev Pathol*, 2000 Jan-Feb; 3(1):36-9.  
 Gosain AK, Santoro TD, Larson DL, Gingrass RP: Giant Congenital Nevi: A 20-Year Experience and An Algorithm For Their Management. *Plast Reconstr Surg*, 2001 Sep 1; 108(3):622-36.  
 Bittencourt FV, Marghoob AA, Kopf AW, et al: Large Congenital Melanocytic Nevi and the Risk For Development of Malignant Melanoma and Neurocutaneous Melanocytosis. *Pediatrics*, 2000 Oct; 106(4):736-41.

Egan CL, Oliveria SA, Elenitsas R, et al: Cutaneous Melanoma Risk and Phenotypic Changes in Large Congenital Nevi: A Follow-Up Study of 46 Patients. *J Am Acad Dermatol*, 1998 Dec; 39(6):923-32.

**Case No. 2, Accession No. 27679**

**March 2003**

Escondido - Melanoma  
Glendale (Glendale Pathology Association) - Melanoma  
Loma Linda - Neurofibroma  
Modesto (Yosemite Pathology Medical Group) - Nodular spindle cell melanoma  
Orange (UCI Medical Center Residents) - Malignant melanoma  
Sacramento (UC Davis Medical Center) - Malignant fibrous histiocytoma  
San Diego (Naval Medical Center) - Spindle cell malignant melanoma  
Alabama (Cunningham Pathology) - Desmoplastic melanoma  
Arizona (Phoenix Memorial Hospital) - Spindle cell melanoma  
Colorado, Denver - Dermatofibrosarcoma protuberans  
Florida (Winter Haven Hospital) - Melanoma  
Florida, Miami - Malignant fibrohistiocytoma vs. dermatofibrosarcoma protuberans  
Florida, Ocala - Malignant melanoma  
Georgia, Decatur - Malignant peripheral nerve sheath tumor  
Illinois (Heartland Regional Medical Center) - Spindle cell malignant neoplasm, favor desmoplastic melanoma  
Indiana, Fort Wayne - Desmoplastic melanoma, left cheek  
Kansas (Coffeyville Regional Medical Center) - Sarcoma  
Kansas (Kansas University Medical Center) - Desmoplastic melanoma  
Louisiana, Metairie - Pleomorphic liposarcoma  
Maryland (National Naval Medical Center) - Desmoplastic melanoma (4), malignant peripheral nerve sheath tumor (8)  
Maryland (University of Maryland Medical Center) - Malignant melanoma  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Spindle cell melanoma  
Michigan (St. Joseph Mercy Hospital) - Desmoplastic melanoma  
Nebraska (Good Samaritan Hospital) - Desmoplastic melanoma  
Nevada, Las Vegas - Desmoplastic melanoma  
New Mexico (University of New Mexico) - Malignant peripheral nerve sheath tumor  
New York (Nassau University Medical Center) - Malig. peripheral nerve sheath tumor vs Malig. melanoma, spindle cell type  
New York (Westchester Medical Center) - Spindle cell melanoma  
Ohio (Medical College of Ohio) - Malignant spindle cell neoplasm consistent with metastatic desmoplastic/spindle cell melanoma vs. malignant peripheral nerve sheath tumor (MPNST)  
Ohio, Columbus - Melanoma with desmoplastic features  
Pennsylvania (Allegheny General Hospital) - Desmoplastic melanoma  
Pennsylvania (Memorial Medical Center) - Dermatofibrosarcoma protuberans/malignant peripheral nerve sheath tumor  
Pennsylvania (Magee Women's Hospital) - Desmoplastic melanoma  
Pennsylvania, Pittsburgh - Atypical fibroxanthoma  
Texas (Scott & White Hospital) - Spindle cell malignancy  
Texas, Houston - Peripheral nerve sheath tumor, malignant  
Texas, Lubbock - Malignant neurofibroma  
Texas, San Antonio - Malignant peripheral nerve sheath tumor (MPNST)  
Washington, D.C. - Neurogenic tumor, post-radiation  
Canada (CUSI, Site Fleurimont) - Malignant peripheral nerve sheath tumor (MPNST)  
China (Sir Run Run Shaw Hospital) - Myofibroblastoma  
Japan (Hamamatsu University School of Medicine) - Malignant peripheral nerve sheath tumor  
Japan (Shimada City Hospital) - Atypical fibroxanthoma  
Japan (Gunma University Hospital) - Desmoplastic malignant melanoma  
Japan (Saiseikai Shiga Hospital) - Sclerosing liposarcoma  
Japan, Chiba - Malignant peripheral nerve sheath tumor  
Puerto Rico (University of Puerto Rico) - Malignant peripheral nerve sheath tumor  
Qatar, Doha - Post-irradiation malignant peripheral nerve sheath tumor (MPNST)  
Spain (Povisa) - Primary malignant tumors of peripheral nerve due to ionizing radiation  
The Netherlands, Amstelveen - Sarcoma, NOS

**Case 2 - Diagnosis:**

**Desmoplastic "spindle cell" melanoma, cheek  
T-02121, M87223**

#### Case 2 - References:

- Thelmo MC, Sagebiel RW, Treseler PA, et al: Evaluation of Sentinel Lymph Node Status in Spindle Cell Melanomas. *J Am Acad Dermatol*, 2001 Mar; 44(3):451-5.
- Hoang MP, Selim MA, Bentley RC, et al: CD34 Expression in Desmoplastic Melanoma. *J Cutan Pathol*, 2001 Nov; 28(10):508-12.
- Jaroszewski DE, Pockaj BA, DiCaudo DJ, Bite U: The Clinical Behavior of Desmoplastic Melanoma. *Am J Surg*, 2001 Dec; 182(6):590-5.
- Robson A, Allen P, Hollowood K: S100 Expression in Cutaneous Scars: A Potential Diagnostic Pitfall in the Diagnosis Of Desmoplastic Melanoma. *Histopathology*, 2001 Feb; 38(2):135-40.
- Kaneishi NK, Cockerell CJ: Histologic Differentiation of Desmoplastic Melanoma From Cicatrices. *Am J Dermatopathol*, 1998 Apr; 20(2):128-34.
- Skelton HG, Maceira J, Smith KJ, et al: HMB-45 Negative Spindle Cell Malignant Melanoma. *Am J Dermatopathol*, 1997 Dec; 19(6):580-4.

### **Case No. 3, Accession No. 27314**

**March 2003**

#### Escondido - Paget's Disease

- Glendale (Glendale Pathology Association) - Extra-mammary Paget's Disease
- Loma Linda - Extra-mammary Paget's Disease
- Modesto (Yosemite Pathology Medical Group) - Paget's Disease
- Orange (UCI Medical Center Residents) - Extra-mammary Paget's Disease
- Sacramento (UC Davis Medical Center) - Vulvar Paget's Disease
- San Diego (Naval Medical Center) - Extra-mammary Paget's Disease
- Alabama (Cunningham Pathology) - Extra-mammary Paget's Disease
- Arizona (Phoenix Memorial Hospital) - Paget's Disease of vulva
- Colorado, Denver - Extra-mammary Paget's Disease
- Florida (Winter Haven Hospital) - Paget's Disease
- Florida, Miami - Paget's Disease
- Florida, Ocala - Paget's Disease of vulva
- Georgia, Decatur - Paget's Disease of the vulva
- Illinois (Heartland Regional Medical Center) - Paget's Disease of vulva
- Indiana, Fort Wayne - Vulvar Paget's Disease
- Kansas (Coffeyville Regional Medical Center) - Paget's Disease of vulva
- Kansas (Kansas University Medical Center) - Extra-mammary Paget's Disease
- Louisiana, Metairie - Paget's Disease
- Maryland (National Naval Medical Center) - Extra-mammary Paget's Disease (12)
- Maryland (University of Maryland Medical Center) - Paget's Disease
- Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Paget's Disease
- Michigan (St. Joseph Mercy Hospital) - Paget's Disease
- Nebraska (Good Samaritan Hospital) - Extra-mammary Paget's Disease
- Nevada, Las Vegas - Extra-mammary Paget's
- New Mexico (University of New Mexico) - Paget's Disease
- New York (Nassau University Medical Center) - Extra-mammary Paget's Disease
- New York (Westchester Medical Center) - Extra-mammary Paget's Disease, vulva
- Ohio (Medical College of Ohio) - Extra-mammary Paget's Disease
- Ohio, Columbus - Paget's Disease
- Pennsylvania (Allegheny General Hospital) - Extra-mammary Paget's Disease
- Pennsylvania (Memorial Medical Center) - Paget's Disease
- Pennsylvania (Magee Women's Hospital) - Paget's Disease
- Pennsylvania, Pittsburgh - Extra-mammary Paget's Disease
- Texas (Scott & White Hospital) - Extra-mammary Paget's Disease
- Texas, Houston - Paget's Disease
- Texas, Lubbock - Superficial spreading melanoma
- Texas, San Antonio - Paget's
- Washington, D.C. - Extra-mammary Paget's Disease
- Canada (CUSI, Site Fleurimont) - Paget's Disease
- China (Sir Run Run Shaw Hospital) - Paget's Disease
- Japan (Hamamatsu University School of Medicine) - Malignant melanoma
- Japan (Shimada City Hospital) - Superficial spreading melanoma
- Japan (Gunma University Hospital) - Paget's disease

[Japan \(Saiseikai Shiga Hospital\)](#) - Extra-mammary Paget's Disease  
[Japan, Chiba](#) - Paget's Disease of vulva  
[Puerto Rico \(University of Puerto Rico\)](#) - Paget's disease of vulva/melanoma in-situ  
[Qatar, Doha](#) - Paget's Disease of vulva  
[Spain \(Povisa\)](#) - Extra-mammary Paget's Disease  
[The Netherlands, Amstelveen](#) - Differential Diagnosis: Paget's Disease of Vulva or Malignant Melanoma in-situ.

### **CASE 3 - Diagnosis:**

**Paget's Disease ("extra-mammary Paget's Disease"), vulva**  
**T-80100, M-85423**

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

van der Putte SC: Mammary-Like Glands of the Vulva and Their Disorders. *Int J Gynecol Pathol*, 1994 Apr; 13(2):150-60.  
 Parker LP, Parker JR, Bodurka-Beyers D, et al: Paget's Disease of the Vulva: Pathology, Pattern of Involvement, and Prognosis. *Gynecol Oncol*, 2000 Apr; 77(1):183-9.  
 Crawford D, Nimmo M, Clement PB, et al: Prognostic Factors in Paget's Disease of the Vulva: A Study of 21 Cases. *Int J Gynecol Pathol*, 1999 Oct; 18(4):351-9.  
 Diaz de Leon E, Carcangiu ML, Prieto VG, et al: Extra-Mammary Paget Disease is Characterized by the Consistent Lack of Estrogen and Progesterone Receptors But Frequently Expresses Androgen Receptor. *Am J Clin Pathol*, 2000 Apr; 113(4):572-5.

**Case No. 4, Accession No. 29602**

**March 2003**

[Escondido](#) - Pilomatricoma  
[Glendale \(Glendale Pathology Association\)](#) - Pilomatricoma  
[Loma Linda](#) - Calcifying (mummifying epithelioma of Malherbe)  
[Modesto \(Yosemite Pathology Medical Group\)](#) - Pilomatricoma  
[Orange \(UCI Medical Center Residents\)](#) - Pilomatricoma  
[Sacramento \(UC Davis Medical Center\)](#) - Pilomatricoma  
[San Diego \(Naval Medical Center\)](#) - Pilomatricoma  
[Alabama \(Cunningham Pathology\)](#) - Pilomatricoma  
[Arizona \(Phoenix Memorial Hospital\)](#) - Pilomatricoma (Calcifying epithelioma of Malherbe)  
[Colorado, Denver](#) - Calcifying epithelioma of Malherbe  
[Florida \(Winter Haven Hospital\)](#) - Pilomatricoma  
[Florida, Miami](#) - Pilomatricoma  
[Florida, Ocala](#) - Pilomatricoma  
[Georgia, Decatur](#) - Pilomatricoma  
[Illinois \(Heartland Regional Medical Center\)](#) - Pilomatricoma  
[Indiana, Fort Wayne](#) - Pilomatricoma, left chest  
[Kansas \(Coffeyville Regional Medical Center\)](#) - Pilomatricoma  
[Kansas \(Kansas University Medical Center\)](#) - Pilomatricoma  
[Louisiana, Metairie](#) - Calcifying epithelioma  
[Maryland \(National Naval Medical Center\)](#) - Pilomatricoma (12)  
[Maryland \(University of Maryland Medical Center\)](#) - Pilomatricoma  
[Massachusetts \(Brigham & Women's Hospital, Residents/Fellow\)](#) - Favor pilomatrical carcinoma  
[Michigan \(St. Joseph Mercy Hospital\)](#) - Pilomatricoma  
[Nebraska \(Good Samaritan Hospital\)](#) - Pilomatricoma  
[Nevada, Las Vegas](#) - Benign pilomatricoma  
[New Mexico \(University of New Mexico\)](#) - Pilomatricoma  
[New York \(Nassau University Medical Center\)](#) - Pilomatricoma  
[New York \(Westchester Medical Center\)](#) - Pilomatricoma  
[Ohio \(Medical College of Ohio\)](#) - Pilomatrical carcinoma  
[Ohio, Columbus](#) - Pilomatricoma  
[Pennsylvania \(Allegheny General Hospital\)](#) - Pilomatricoma  
[Pennsylvania \(Memorial Medical Center\)](#) - Pilomatricoma  
[Pennsylvania \(Magee Women's Hospital\)](#) - Pilomatricoma  
[Pennsylvania, Pittsburgh](#) - Pilomatricoma  
[Texas \(Scott & White Hospital\)](#) - Pilomatricoma  
[Texas, Houston](#) - Pilomatric carcinoma  
[Texas, Lubbock](#) - Calcifying epithelioma of Malherbe  
[Texas, San Antonio](#) - Pilomatricoma

Washington, D.C. - Calcified epithelioma of Malherbe  
Canada (CUSI, Site Fleurimont) - Pilomatricoma  
China (Sir Run Run Shaw Hospital) - Calcifying epithelioma  
Japan (Hamamatsu University School of Medicine) - Calcifying epithelioma  
Japan (Shimada City Hospital) - Calcifying epithelioma  
Japan (Gunma University Hospital) - Pilomatricoma  
Japan (Saiseikai Shiga Hospital) - Calcifying epithelioma (Pilomatricoma)  
Japan, Chiba - Pilomatricoma  
Puerto Rico (University of Puerto Rico) - Pilomatricoma  
Qatar, Doha - Calcifying epithelioma of Malherbe (Pilomatricoma)  
Spain (Povisa) - Pilomatricoma (Calcifying epithelioma of Malherbe)  
The Netherlands, Amstelveen - Calcifying epithelioma (Malherbe)

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

**Pilomatricoma ("calcifying epithelioma of Malherbe"), chest wall  
 T-Y2150, M-81100**

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

Kaddu S, Soyer HP, Hodl S, Kerl H: Morphological Stages of Pilomatricoma. *Am J Dermatopathol*, 1996 Aug; 18(4):333-8.  
 Kishimoto S, Nagata M, Takenaka H, Yasuno H: Detection of Apoptosis By In-Situ Labeling of Pilomatricoma. *Am J Dermatopathol*, 1996 Aug; 18(4):339-43.  
 Forbes R Jr, Helwig EB: Pilomatricoma (Calcifying Epithelioma). *Arch Dermatol*, 1961; 83:606-18.  
 Vico P, Rahier I, Ghanem G, et al: Pilomatrix Carcinoma. *Eur J Surg Oncol*, 1997 Aug; 23(4):370-1.

#### **Case No. 5, Accession No. 8045**

**March 2003**

Escondido - Sporotrichosis  
Glendale (Glendale Pathology Association) - Pseudoepitheliomatous hyperplasia  
Loma Linda - Squamous carcinoma, low grade  
Modesto (Yosemite Pathology Medical Group) - Keratoacanthoma  
Orange (UCI Medical Center Residents) - Keratoacanthoma  
Sacramento (UC Davis Medical Center) - Squamous cell carcinoma, keratoacanthomatous type  
San Diego (Naval Medical Center) - Keratoacanthoma vs. pseudo-epitheliomatous hyperplasia  
Alabama (Cunningham Pathology) - Keratoacanthoma  
Arizona (Phoenix Memorial Hospital) - Keratoacanthoma  
Colorado, Denver - Crateriform squamous carcinoma  
Florida (Winter Haven Hospital) - Chemical keratosis  
Florida, Miami - Verrucous carcinoma  
Florida, Ocala - Well-differentiated squamous cell carcinoma  
Georgia, Decatur - Keratinizing squamous cell carcinoma  
Illinois (Heartland Regional Medical Center) - Well-differentiated squamous carcinoma  
Indiana, Fort Wayne - Keratoacanthoma (Keratoacanthoma-like well-differentiated squamous cell carcinoma)  
Kansas (Coffeyville Regional Medical Center) - Keratoacanthoma  
Kansas (Kansas University Medical Center) - Squamous cell carcinoma  
Louisiana, Metairie - Well-differentiated squamous cell carcinoma  
Maryland (National Naval Medical Center) - Keratoacanthoma (11), Pseudo-epitheliomatous hyperplasia (1)  
Maryland (University of Maryland Medical Center) - Squamous cell carcinoma, well-differentiated, invasive  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Well-differentiated squamous cell carcinoma  
Michigan (St. Joseph Mercy Hospital) - Keratoacanthoma  
Nebraska (Good Samaritan Hospital) - Keratoacanthoma  
Nevada, Las Vegas - Invasive well-differentiated squamous cell carcinoma, keratoacanthomatous type  
New Mexico (University of New Mexico) - Keratoacanthoma  
New York (Nassau University Medical Center) - Keratoacanthoma  
New York (Westchester Medical Center) - Keratoacanthoma  
Ohio (Medical College of Ohio) - Pseudo-epitheliomatous hyperplasia  
Ohio, Columbus - Squamous cell carcinoma, keratoacanthoma type  
Pennsylvania (Allegheny General Hospital) - Squamous cell carcinoma, keratoacanthoma type  
Pennsylvania (Memorial Medical Center) - IFK/Squamous cell carcinoma  
Pennsylvania (Magee Women's Hospital) - Squamous cell CA arising in a setting of syndrome of multiple self-healing epitheliomas  
Pennsylvania, Pittsburgh - Sporothrix

Texas (Scott & White Hospital) - Keratoacanthoma  
Texas, Houston - Trichofolliculoma  
Texas, Lubbock - Verrucous carcinoma  
Texas, San Antonio - Trichofolliculoma  
Washington, D.C. - Keratoacanthoma/well-differentiated squamous cell carcinoma  
Canada (CUSI, Site Fleurimont) - Keratoacanthoma  
China (Sir Run Run Shaw Hospital) - Squamous cell carcinoma, keratoacanthoma type  
Japan (Hamamatsu University School of Medicine) - Pseudo-epitheliomatous hyperplasia  
Japan (Shimada City Hospital) - Keratoacanthoma  
Japan (Gunma University Hospital) - Keratoacanthoma  
Japan (Saiseikai Shiga Hospital) - Keratoacanthoma  
Japan, Chiba - Well-differentiated squamous cell carcinoma of skin  
Puerto Rico (University of Puerto Rico) - Keratoacanthoma  
Qatar, Doha - Keratoacanthoma  
Spain (Povisa) - Squamous cell carcinoma, well-differentiated  
The Netherlands, Amstelveen - Invasive squamous cell carcinoma

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

**Keratoacanthoma (well-differentiated squamous cell carcinoma, keratoacanthomatous subtype), hand  
 T-02650, M-72860**

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

Hsi ED, Svoboda-Newman SM, Stern RA, et al: Detection of Human Papillomavirus DNA in Keratoacanthomas By Polymerase Chain Reaction. *Am J Dermatopathol*, 1997 Feb; 19(1):10-5.  
 Le Boit PE: Is Keratoacanthoma A Variant of Squamous Cell Carcinoma. New Insights Into An Old Controversy. . . Soon? *Am J Dermatopathol*, 1995 Aug; 17(4):319-20.  
 Lee YS, Teh M: p53 Expression in Pseudoepitheliomatous Hyperplasia, Keratoacanthoma, and Squamous Cell Carcinoma of Skin. *Cancer*, 1994 May 1; 73(9):2317-23.  
 Le Boit PE: Can We Understand Keratoacanthoma? *Am J Dermatopathol*, 2002 Apr; 24(2):166-8.  
 Beham A, Regauer S, Soyer HP, Beham-Schmid C: Keratoacanthoma: A Clinically Distinct Variant of Well-Differentiated Squamous Cell Carcinoma. *Adv Anat Pathol*, 1998 Sep; 5(5):269-80.

#### **Case No. 6, Accession No. 17843**

**March 2003**

Escondido - Squamous cell carcinoma  
Glendale (Glendale Pathology Association) - Well-differentiated squamous cell carcinoma  
Loma Linda - Squamous carcinoma, low grade  
Modesto (Yosemite Pathology Medical Group) - Invasive squamous cell carcinoma  
Orange (UCI Medical Center Residents) - Squamous cell carcinoma  
Sacramento (UC Davis Medical Center) - Verrucous carcinoma (giant condyloma Buschke)  
San Diego (Naval Medical Center) - Squamous cell carcinoma  
Alabama (Cunningham Pathology) - Cystic invasive squamous cell carcinoma (cannot exclude deep fungal infection)  
Arizona (Phoenix Memorial Hospital) - Invasive squamous cell carcinoma, moderately-differentiated  
Colorado, Denver - Squamous carcinoma arising in epidermal cyst  
Florida (Winter Haven Hospital) - Verrucous carcinoma  
Florida, Miami - Squamous cell carcinoma  
Florida, Ocala - Squamous cell carcinoma  
Georgia, Decatur - Squamous cell carcinoma, keratinizing  
Illinois (Heartland Regional Medical Center) - Well-differentiated squamous carcinoma  
Indiana, Fort Wayne - Verrucous squamous cell carcinoma, right hand  
Kansas (Coffeyville Regional Medical Center) - Well-differentiated squamous cell carcinoma vs. warty dyskeratoma  
Kansas (Kansas University Medical Center) - Squamous cell carcinoma, condylomatous type  
Louisiana, Metairie - Well-differentiated squamous cell carcinoma  
Maryland (National Naval Medical Center) - Squamous cell carcinoma arising in epidermal inclusion cyst (11); Verrucous carcinoma (1)  
Maryland (University of Maryland Medical Center) - Invasive well-differentiated squamous cell carcinoma with condylomatous features  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Invasive squamous cell carcinoma  
Michigan (St. Joseph Mercy Hospital) - Squamous carcinoma



Nebraska (Good Samaritan Hospital) - Warty carcinoma  
Nevada, Las Vegas - Invasive squamous cell carcinoma  
New Mexico (University of New Mexico) - Verrucous carcinoma  
New York (Nassau University Medical Center) - Squamous cell carcinoma  
New York (Westchester Medical Center) - Squamous cell carcinoma  
Ohio (Medical College of Ohio) - Well-differentiated squamous cell carcinoma with prominent HPV cytopathic effect  
Ohio, Columbus - Verrucous carcinoma  
Pennsylvania (Allegheny General Hospital) - Verrucous carcinoma  
Pennsylvania (Memorial Medical Center) - Verruca vulgaris (VV), FIC/squamous cell carcinoma  
Pennsylvania (Magee Women's Hospital) - Well-differentiated squamous cell carcinoma  
Pennsylvania, Pittsburgh - Well-differentiated squamous cell carcinoma  
Texas (Scott & White Hospital) - Squamous cell carcinoma  
Texas, Houston - Malignant proliferating trichilemmal tumor  
Texas, Lubbock - Well-differentiated carcinoma  
Texas, San Antonio - Squamous cell carcinoma  
Washington, D.C. - Verrucous carcinoma  
Canada (CUSI, Site Fleurimont) - Malignant proliferating trichilemmal tumor  
China (Sir Run Run Shaw Hospital) - Well-differentiated squamous cell carcinoma  
Japan (Hamamatsu University School of Medicine) - Well-differentiated squamous cell carcinoma  
Japan (Shimada City Hospital) - Verrucous squamous cell carcinoma  
Japan (Gunma University Hospital) - Well-differentiated squamous cell carcinoma  
Japan (Saiseikai Shiga Hospital) - Squamous cell carcinoma  
Japan, Chiba - Verrucous squamous cell carcinoma of skin  
Puerto Rico (University of Puerto Rico) - Squamous cell carcinoma, bowenoid type  
Qatar, Doha - Well-differentiated keratinizing squamous cell carcinoma  
Spain (Povisa) - Squamous cell carcinoma  
The Netherlands, Amstelveen - Invasive squamous cell carcinoma

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

**Squamous cell carcinoma, likely viral-related, hand**  
**T-02650, M-80703**

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

Guenther ST, Hurwitz RM, Buckel LJ, Gray HR: Cutaneous Squamous Cell Carcinomas Consistently Show Histologic Evidence of In-Situ Changes: A Clinicopathologic Correlation. *J Am Acad Dermatol*, 1999 Sep; 41(3 Pt 1):443-8.  
 Cherpelis BS, Marcusen C, Lang PG: Prognostic Factors For Metastasis in Squamous Cell Carcinoma of the Skin. *Dermatol Surg*, 2002 Mar; 28(3):268-73.  
 Lohmann CM, Solomon AR: Clinicopathologic Variants of Cutaneous Squamous Cell Carcinoma. *Adv Anat Pathol*, 2001 Jan; 8(1):27-36.  
 Vainio H, Miller AB, Bianchini F: An International Evaluation of the Cancer-Preventive Potential of Sunscreens. *Int J Cancer*, 2000 Dec 1; 88(5):838-42.

**Case No. 7, Accession No. 27056**

**March 2003**

Escondido - Merkel cell (neuroendocrine) carcinoma  
Glendale (Glendale Pathology Association) - Merkel cell carcinoma  
Loma Linda - Merkel cell tumor (carcinoma)  
Modesto (Yosemite Pathology Medical Group) - Merkel cell carcinoma  
Orange (UCI Medical Center Residents) - Merkel cell carcinoma  
Sacramento (UC Davis Medical Center) - Merkel cell carcinoma  
San Diego (Naval Medical Center) - Merkel cell carcinoma  
Alabama (Cunningham Pathology) - Merkel cell carcinoma  
Arizona (Phoenix Memorial Hospital) - Merkel cell carcinoma  
Colorado, Denver - Merkel cell tumor  
Florida (Winter Haven Hospital) - Merkel cell carcinoma  
Florida, Miami - Merkel cell tumor  
Florida, Ocala - Merkel cell carcinoma  
Georgia, Decatur - Merkel cell carcinoma  
Illinois (Heartland Regional Medical Center) - Merkel cell carcinoma  
Indiana, Fort Wayne - Merkel cell carcinoma, left cheek

Kansas (Coffeyville Regional Medical Center) - Merkel cell tumor (carcinoma)  
Kansas (Kansas University Medical Center) - Merkel cell tumor  
Louisiana, Metairie - Merkel cell carcinoma  
Maryland (National Naval Medical Center) - Merkel cell carcinoma (12)  
Maryland (University of Maryland Medical Center) - Merkel cell carcinoma  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Merkel cell carcinoma  
Michigan (St. Joseph Mercy Hospital) - Merkel cell tumor  
Nebraska (Good Samaritan Hospital) - Merkel cell carcinoma  
Nevada, Las Vegas - Merkel cell carcinoma  
New Mexico (University of New Mexico) - Merkel cell carcinoma  
New York (Nassau University Medical Center) - Merkel cell carcinoma  
New York (Westchester Medical Center) - Merkel cell carcinoma  
Ohio (Medical College of Ohio) - Merkel cell carcinoma  
Ohio, Columbus - Merkel cell tumor  
Pennsylvania (Allegheny General Hospital) - Merkel cell carcinoma  
Pennsylvania (Memorial Medical Center) - Merkel cell tumor  
Pennsylvania (Magee Women's Hospital) - Merkel cell carcinoma  
Pennsylvania, Pittsburgh - Merkel cell tumor  
Texas (Scott & White Hospital) - Merkel cell carcinoma  
Texas, Houston - Merkel cell tumor  
Texas, Lubbock - Merkel cell tumor  
Texas, San Antonio - Merkel  
Washington, D.C. - Merkel cell carcinoma  
Canada (CUSI, Site Fleurimont) - Merkel cell tumor  
China (Sir Run Run Shaw Hospital) - Merkel cell carcinoma  
Japan (Hamamatsu University School of Medicine) - Merkel cell carcinoma  
Japan (Shimada City Hospital) - Merkel cell tumor  
Japan (Gunma University Hospital) - Merkel cell carcinoma  
Japan (Saiseikai Shiga Hospital) - Merkel cell carcinoma  
Japan, Chiba - Neuroendocrine carcinoma of skin  
Puerto Rico (University of Puerto Rico) - Merkel cell carcinoma  
Qatar, Doha - Merkel cell carcinoma  
Spain (Povisa) - Merkel cell carcinoma  
The Netherlands, Amstelveen - Merkel cell carcinoma

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

**Merkel cell (neuroendocrine) carcinoma, cheek**  
**T-02121, M-80416**

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

Tope WD, Sanguenza OP: Merkel Cell Carcinoma: Histopathology, Immunohistochemistry and Cytogenetic Analysis. *J Dermatol Surg Oncol*, 1994 Oct; 20(10):648-52.  
 Battifora H, Silva EG: The Use of Antikeratin Antibodies in the Immunohistochemical Distinction Between Neuroendocrine (Merkel Cell) Carcinoma of the Skin, Lymphoma, and Oat Cell Carcinoma. *Cancer*, 1986 Sept 1; 58(5):1040-6.  
 Ratner D, Nelson BR, Brown MD, Johnson TM: Merkel Cell Carcinoma. *J Am Acad Dermatol*, 1993 Aug; 29(2 Pt 1):143-56. Review.  
 Su LD, Fullen DR, Lowe L, et al: CD117 (KIT Receptor) Expression in Merkel Cell Carcinoma. *Am J Dermatopathol*, 2002 Aug, 24(4):289-93.  
 Leech SN, Kolar AJ, Barrett PD, et al: Merkel Cell Carcinoma Can Be Distinguished From Metastatic Small Cell Carcinoma Using Antibodies to Cytokeratin 20 and Thyroid Transcription Factor 1. *J Clin Pathol*, 2001 Sep; 54(9):727-9.  
 Allen PJ, Busam K, Hill AD, et al: Immunohistochemical Analysis of Sentinel Lymph Nodes From Patients With Merkel Cell Carcinoma. *Cancer*, 2001 Sep 15; 92(6):1650-5.

**Case No. 8, Accession No. 27338**

**March 2003**

Escondido - Schwannoma  
Glendale (Glendale Pathology Association) - Dermatofibrosarcoma protuberans  
Loma Linda - Dermatofibrosarcoma protuberans  
Modesto (Yosemite Pathology Medical Group) - Leiomyoma  
Orange (UCI Medical Center Residents) - Dermatofibrosarcoma protuberans

Sacramento (UC Davis Medical Center) - Dermatofibrosarcoma protuberans  
San Diego (Naval Medical Center) - Monophasic synovial sarcoma  
Alabama (Cunningham Pathology) - Dermatofibrosarcoma protuberans  
Arizona (Phoenix Memorial Hospital) - Cellular schwannoma  
Colorado, Denver - Malignant fibrous histiocytoma  
Florida (Winter Haven Hospital) - Fibromatosis  
Florida, Miami - Dermatofibrosarcoma  
Florida, Ocala - Schwannoma  
Georgia, Decatur - Perineurioma  
Illinois (Heartland Regional Medical Center) - Spindle cell lipoma  
Indiana, Fort Wayne - Dermatofibrosarcoma protuberans, thigh  
Kansas (Coffeyville Regional Medical Center) - Fibroma  
Kansas (Kansas University Medical Center) - Neuroma  
Louisiana, Metairie - Nodular fasciitis  
Maryland (National Naval Medical Center) - (Monophasic) synovial sarcoma (12)  
Maryland (University of Maryland Medical Center) - Dermatofibrosarcoma protuberans  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Dermatofibrosarcoma protuberans  
Michigan (St. Joseph Mercy Hospital) - Dermatofibrosarcoma protuberans  
Nebraska (Good Samaritan Hospital) - Dermatofibrosarcoma protuberans  
Nevada, Las Vegas - Dermatofibrosarcoma protuberans  
New Mexico (University of New Mexico) - Fibromatosis  
New York (Nassau University Medical Center) - Dermatofibrosarcoma protuberans  
New York (Westchester Medical Center) - Dermatofibrosarcoma protuberans/fibrous histiocytoma  
Ohio (Medical College of Ohio) - Dermatofibrosarcoma protuberans  
Ohio, Columbus - Dermatofibrosarcoma protuberans  
Pennsylvania (Allegheny General Hospital) - Dermatofibrosarcoma protuberans  
Pennsylvania (Memorial Medical Center) - Schwannoma, neuroma/Malignant peripheral nerve sheath tumor (MPNST)  
Pennsylvania (Magee Women's Hospital) - Benign fibrous histiocytoma  
Pennsylvania, Pittsburgh - Dermatofibrosarcoma protuberans  
Texas (Scott & White Hospital) - Dermatofibrosarcoma protuberans (DFSP)  
Texas, Houston - Dermatofibrosarcoma protuberans  
Texas, Lubbock - Dermatofibroma  
Texas, San Antonio - Dermatofibrosarcoma protuberans (DFSP)  
Washington, D.C. - Dermatofibrosarcoma protuberans  
Canada (CUSI, Site Fleurimont) - Dermatofibrosarcoma protuberans  
China (Sir Run Run Shaw Hospital) - Dermatofibrosarcoma protuberans  
Japan (Hamamatsu University School of Medicine) - Dermatofibrosarcoma protuberans  
Japan (Shimada City Hospital) - Dermatofibrosarcoma protuberans  
Japan (Gunma University Hospital) - Dermatofibrosarcoma protuberans  
Japan (Saiseikai Shiga Hospital) - Dermatofibrosarcoma protuberans  
Japan, Chiba - Cellular fibrous histiocytoma  
Puerto Rico (University of Puerto Rico) - Nodular fasciitis/dermatofibroma  
Qatar, Doha - Dermatofibrosarcoma protuberans  
Spain (Povisa) - Nodular fasciitis  
The Netherlands, Amstelveen - Dermatofibrosarcoma protuberans?

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

**Dermatofibrosarcoma protuberans (DFSP), thigh**  
**T-02810, M-88323**

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

Fletcher CDM, Evans BJ, MacArtney JC, et al: Dermatofibrosarcoma Protuberans: A Clinicopathological and Immunohistochemical Study With A Review of the Literature. *Histopathol*, 1985 Sep; 9(9):921-38.  
 Harvell JD, Kilpatrick SE, White WL: Histogenetic Relations Between Giant Cell Fibroblastoma and Dermatofibrosarcoma Protuberans: CD34 Staining Showing the Spectrum and A Simulator. *Am J Dermatopathol*, 1998 Aug; 20(4):339-45.  
 Zelger B, Zelger B: Sarcomas Arising in Dermatofibrosarcoma Protuberans: Collision or Illusion? *Am J Surg Pathol*, 2001 Aug, 25(8):1106-8.  
 Mentzel T, Beham A, Katenkamp D, et al: Fibrosarcomatous ("High-Grade") Dermatofibrosarcoma Protuberans: Clinico-Pathologic and Immunohistochemical Study of a Series of 41 Cases With Emphasis on Prognostic Significance. *Am J Surg Pathol*, 1998 May; 22(5):576-87.  
 Bowne WB, Antonescu CR, Leung DH, et al: Dermatofibrosarcoma Protuberans: A Clinicopathologic Analysis of Patients Treated and Followed At a Single Institution. *Cancer*, 2000 Jun 15; 88(12):2711-20.

Escondido - Clear cell hidradenoma  
Glendale (Glendale Pathology Association) - Fibroma  
Loma Linda - Cystic hidradenoma  
Modesto (Yosemite Pathology Medical Group) - Hemangiopericytoma  
Orange (UCI Medical Center Residents) - Glomangioma  
Sacramento (UC Davis Medical Center) - Hidradenoma and gout  
Alabama (Cunningham Pathology) - Synovial cyst  
Arizona (Phoenix Memorial Hospital) - Glomus tumor (glomangioma)  
Colorado, Denver - Angiosarcoma  
Florida (Winter Haven Hospital) - Glomus tumor  
Florida, Miami - Synovial sarcoma  
Florida, Ocala - Glomus tumor  
Georgia, Decatur - Glomus tumor  
Illinois (Heartland Regional Medical Center) - Nodular hidradenoma, cystic variant  
Indiana, Fort Wayne - Hidradenoma, great toe (cystic nodular type)  
Kansas (Coffeyville Regional Medical Center) - Hemorrhagic synovial cyst  
Kansas (Kansas University Medical Center) - Benign synovial cyst  
Louisiana, Metairie - Glomus tumor  
Maryland (National Naval Medical Center) - Glomangioma (12)  
Maryland (University of Maryland Medical Center) - Hemangiopericytoma vs. PEComa  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - (Cystic) glomus tumor  
Michigan (St. Joseph Mercy Hospital) - Eccrine tumor (2), Glomus tumor (2)  
Nebraska (Good Samaritan Hospital) - Nodular hidradenoma, cystic variant  
Nevada, Las Vegas - Glomus tumor (possibly cystic hidradenoma)  
New York (Nassau University Medical Center) - Nodular hidradenoma, cystic variant  
New York (Westchester Medical Center) - Cystic hidradenoma  
Ohio (Medical College of Ohio) - Glomangioma  
Pennsylvania (Allegheny General Hospital) - Nodular hidradenoma  
Pennsylvania (Memorial Medical Center) - Hemangioendothelioma/Pigmented villonodular synovitis (PVNS)  
Pennsylvania (Magee Women's Hospital) - Glomus tumor  
Pennsylvania, Pittsburgh - Benign synovial cyst, ? reaction to bleeding  
Texas (Scott & White Hospital) - Clear cell hidradenoma vs. Glomus tumor  
Texas, Houston - Glomangioma  
Texas, Lubbock - Epithelioid hemangioendothelioma  
Texas, San Antonio - Glomus tumor  
Washington, D.C. - Glomus tumor  
Canada (CUSI, Site Fleurimont) - Glomangioma  
China (Sir Run Run Shaw Hospital) - Syringadenoma (Clear cell myoepithelioma)  
Japan (Hamamatsu University School of Medicine) - Pigmented villonodular bursitis  
Japan (Shimada City Hospital) - Apocrine cystadenoma  
Japan (Gunma University Hospital) - Glomus tumor  
Japan (Saiseikai Shiga Hospital) - Nodular hidradenoma  
Japan, Chiba - Dendritic synovitis  
Puerto Rico (University of Puerto Rico) - Intravascular papillary endothelial hyperplasia/glomangioma  
Qatar, Doha - Benign skin appendage tumour - Eccrine spiradenoma  
Spain (Povisa) - Glomangioma  
The Netherlands, Amstelveen - Mimics a sebaceous epithelioma?

**Case 9 - Diagnosis:****Clear cell hidradenoma, toe****T-02990, M-84020****Case 9 - References:**

Keasbey LE, Hadley GG: Clear Cell Hidradenoma: Report of Three Cases With Widespread Metastasis. *Cancer*, 1954; 7: 934-952.  
 O'Hara JM, Bensch K, Ioannides G, Klaus SN: Eccrine Sweat Gland Adenoma, Clear Cell Type: A Histochemical Study. *Cancer*, 1996 Oct; 19(10):1438-50.

Hernandez-Perez E, Cestoni-Parducci R. Nodular Hidradenoma and Hidradenocarcinoma: A 10-Year Review. *J Am Acad Dermatol*, 1985 Jan; 12(1 Pt 1):15-20.  
Will R, Coldiron B: Recurrent Clear Cell Hidradenoma of the Foot. *Dermatol Surg*, 2000 Jul; 26(7):685-6.

**Case No. 10, Accession No. 29474**

**March 2003**

Escondido - Clear cell hidradenoma  
Glendale (Glendale Pathology Association) - Metastatic carcinoma  
Loma Linda - Sebaceous epithelioma  
Modesto (Yosemite Pathology Medical Group) - Liposarcoma  
Orange (UCI Medical Center Residents) - Sebaceous carcinoma  
Sacramento (UC Davis Medical Center) - Sebaceous carcinoma  
San Diego (Naval Medical Center) - Metastatic squamous cell carcinoma  
Alabama (Cunningham Pathology) - Sebaceous carcinoma  
Arizona (Phoenix Memorial Hospital) - Squamous cell carcinoma, anal, metastatic  
Colorado, Denver - Metastatic carcinoma  
Florida (Winter Haven Hospital) - Sebaceous carcinoma  
Florida, Miami - Fibrosarcoma  
Florida, Ocala - Carcinoma ? cloacogenic  
Georgia, Decatur - Nodular/clear cell hidradenoma  
Illinois (Heartland Regional Medical Center) - Poorly-differentiated carcinoma  
Indiana, Fort Wayne - Sebaceous carcinoma, right buttock  
Kansas (Coffeyville Regional Medical Center) - Sebaceous carcinoma  
Kansas (Kansas University Medical Center) - Eccrine porocarcinoma  
Louisiana, Metairie - Metastatic adenocarcinoma  
Maryland (National Naval Medical Center) - Sebaceous carcinoma (11), metastatic (1)  
Maryland (University of Maryland Medical Center) - Sebaceous neoplasm (epithelioma vs. low grade carcinoma) associated with Muir-Torre syndrome  
Massachusetts (Brigham & Women's Hospital, Residents/Fellow) - Sebaceous carcinoma, possibly metastatic  
Michigan (St. Joseph Mercy Hospital) - Sebaceous carcinoma (Muir-Torre)  
Nebraska (Good Samaritan Hospital) - Poorly-differentiated carcinoma  
Nevada, Las Vegas - Sebaceous adenoma  
New Mexico (University of New Mexico) - Sebaceous carcinoma  
New York (Nassau University Medical Center) - Sebaceous carcinoma  
New York (Westchester Medical Center) - Sebaceous carcinoma  
Ohio (Medical College of Ohio) - Sebaceous carcinoma  
Ohio, Columbus - Carcinoma  
Pennsylvania (Allegheny General Hospital) - Sebaceous carcinoma  
Pennsylvania (Memorial Medical Center) - Poorly-differentiated carcinoma with signet ring cell features/liposarcoma  
Pennsylvania (Magee Women's Hospital) - Sebaceous carcinoma arising in a setting of Muir-Torre's Syndrome  
Pennsylvania, Pittsburgh - Malignant adnexal tumor with sebaceous and focal squamous differentiation  
Texas (Scott & White Hospital) - Sebaceous carcinoma  
Texas, Houston - Mucoepidermoid carcinoma  
Texas, Lubbock - Metastatic cloacogenic carcinoma  
Washington, D.C. - Trichilemmoma  
Canada (CUSI, Site Fleurimont) - Sebaceous carcinoma  
China (Sir Run Run Shaw Hospital) - Trichilemmocarcinoma  
Japan (Hamamatsu University School of Medicine) - Synovial sarcoma, biphasic  
Japan (Shimada City Hospital) - Malignant eccrine spiradenoma  
Japan (Gunma University Hospital) - Sebaceous epithelioma  
Japan (Saiseikai Shiga Hospital) - Synovial sarcoma, d.d. metastatic carcinosarcoma from the ovary  
Japan, Chiba - Sebaceous carcinoma of buttock  
Puerto Rico (University of Puerto Rico) - Sebaceous carcinoma/synovial sarcoma  
Qatar, Doha - Sebaceous epithelioma  
Spain (Povisa) - Sebaceous carcinoma  
The Netherlands, Amstelveen - Dermal adnexal cyst, NOS?

**Case 10 - Diagnosis:**

**Sebaceous carcinoma, buttock  
T-02471, M-84103**

Case 10 - References:

- Bayer-Garner IB, Givens V, Smoller B: Immunohistochemical Staining for Androgen Receptors: A Sensitive Marker of Sebaceous Differentiation. *Am J Dermatopathol*, 1999 Oct; 21(5):426-31.
- Steffen C, Ackerman AB: Sebaceous Carcinoma: In: *Neoplasms With Sebaceous Differentiation*. Philadelphia. Lea and Febiger, 1994 Apr; pp 487-574.
- Nelson BR, Hamlet KR, Gillard M, et al: Sebaceous Carcinoma. *J Am Acad Dermatol*, 1995 Jul; 33(1):1-15. Quiz 16-18. Review.
- Misago N, Mihara I, Ansai S, Narisawa Y: Sebaceoma and Related Neoplasms With Sebaceous Differentiation: A Clinico-Pathologic Study of 30 Cases. *Am J Dermatopathol*, 2002 Aug; 24(4):294-304.
- Nelson BR, Hamlet KR, Gillard M, et al: Sebaceous Carcinoma. *J Am Acad Dermatol*, 1995 Jul; 33(1):1-15, quiz 16-8.