

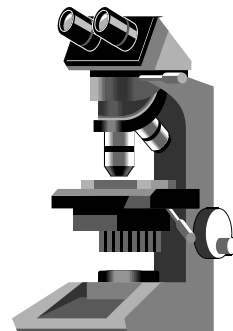


CALIFORNIA
TUMOR TISSUE REGISTRY

GENERAL PATHOLOGY

Minutes – Subscription A

March 2001



SUGGESTED READING (General Topics from Recent Literature):

- Pyloric Gland Metaplasia with Perineural Invasion of the Gallbladder. Albores-Saavedra J and Henson DE. *Cancer* 1999; 86(12):2625-2631.
- Primary Peritoneal Carcinoma Presenting on Routine Papanicolaou Smear. Olsen TG, Nycum LR, Graham RL, et al. *Gynecol Oncol* 2000; 78:71-73.
- Merkel Cell Carcinoma. Review of 22 Cases with Surgical, Pathologic, and Therapeutic Considerations. Weber GR, et al. *Cancer* 2000; 88(15):1842-1851.
- Extragastrintestinal (Soft Tissue) Stromal Tumors. An Analysis of 48 Cases with Emphasis on Histologic Predictors of Outcome. Reith JD, Goldblum JR, et al. *Mod Pathol* 2000; 13:577-585.

California Tumor Tissue Registry
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Loma Linda University School of Medicine
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Loma Linda, California 92350
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FILE DIAGNOSES

CTTR Subscription A

March 2001

Case 1:

Mixed Germ Cell Tumor, predominantly Embryonal Carcinoma, with Intratubular Germ Cell Neoplasia, Testis

T-78000, M-89403

Case 2:

Plasmacytoma/Testicle Relapse of Plasma Cell Leukemia, Testicle

T-78000, M-97311

Case 3:

Papillary Serous Tumor of Borderline Malignancy, Ovary

T-87000, M-80001

Case 4:

Borderline (“Proliferating”) Brenner Tumor, Ovary

T-87000, M-90000

Case 5:

Clear Cell Carcinoma, Ovary

T-87000, M-83103

Case 6:

In Situ and Invasive Adenocarcinoma, Gallbladder

T-57000, M-81403

Case 7:

Fibroma of Tendon Sheath with Myxoid Change, Knee

T-Y9200, M-88100

Case 8:

Granular Cell Tumor (“Granular Cell Schwannoma”), Chest Wall

T-Y2150, M-95800

Case 9:

Dermatofibrosarcoma Protuberans (DFSP) with Focal Fibrosarcomatous Transformation, Sacral Region

T-10800, M-88323

Case 10:

High Grade Malignant Neoplasm with Rhabdoid Features, Back

T-Y1100, M-80003

Bakersfield - Embryonal carcinoma
Bay Area - Germ cell tumor, non-seminomatous, mainly embryonal carcinoma (3)
Hayward/Fremont - Embryonal carcinoma, testis
Irvine (UCI Medical Center) - Embryonal cell carcinoma
Loma Linda Residents - Embryonal carcinoma with intratubular germ cell neoplasia, testicle
Long Beach - Embryonal carcinoma (8)
Modesto - Embryonal carcinoma
Monterey Park (Garfield Medical Center) - Embryonal carcinoma
Monterey (Community Hospital of Monterey Peninsula) - Embryonal carcinoma
Mountain View (El Camino Pathology Group) - Embryonal carcinoma
Oakland (Kaiser) - Embryonal carcinoma (3)
Sacramento (UC Davis Medical Center) - Mixed germ cell tumor, mostly embryonal carcinoma
San Diego (Naval Medical Center) - Embryonal carcinoma
Santa Barbara (Cottage Hospital) - Non-seminomatous germ cell tumor, embryonal carcinoma
Santa Rosa (Santa Rosa Memorial Hospital) - Embryonal carcinoma
Van Nuys (TMC Residents) - Embryonal carcinoma of testes
Ventura (Unilab) - Embryonal carcinoma (2)
Alaska (Anchorage) - Embryonal carcinoma
Florida (Monroe Regional Medical Center) - Mixed germ cell tumor, predominantly embryonal component
Florida (TCH Pathology) - Embryonal carcinoma (1); Embryonal carcinoma/yolk sac tumor (1)
Florida (Winter Haven Hospital) - Embryonal carcinoma (1); Choriocarcinoma (1)
Illinois (DuPage Pathology Associates) - Embryonal carcinoma (2)
Indiana (Fort Wayne) - Embryonal carcinoma, testis
Iowa (University of Iowa) - Embryonal carcinoma
Kentucky (University of Louisville Residents) - Embryonal carcinoma
Maryland (Johns Hopkins Hospital Residents) - Embryonal carcinoma with extensive intratubular germ cell neoplasia and vascular invasion
Maryland (Woodbine) - Embryonal carcinoma and intratubular malignant germ cells extending into rete (2)
Massachusetts (Berkshire Medical Center) - Embryonal carcinoma
Michigan (Oakwood Hospital) - Embryonal carcinoma with intratubular germ cell neoplasia
Michigan (St. Joseph Mercy Hospital) - Embryonal carcinoma (2)
Nebraska (Creighton University School of Medicine) - Non-seminoma, embryonal carcinoma
New Jersey (Overlook Hospital) - Embryonal carcinoma and microscopic focus of seminoma (4)
New York (Beth Israel Medical Center Residents) - Embryonal carcinoma testicle
New York (DVAMC, Northport) - Embryonal carcinoma with intratubular germ cell neoplasia
New York (Impath) - Embryonal carcinoma
New York (LIJ Medical Center) - Embryonal carcinoma
New York (SUNY Stony Brook University Hospital Residents) - Embryonal carcinoma (10)
North Carolina (Wake Forest University Residents) - Embryonal carcinoma
North Carolina (WNC Pathology Group Residents) - Embryonal carcinoma (2); Embryonal carcinoma, intratubular germ cell neoplasia (1)
Oklahoma (South Tulsa Group) - Embryonal carcinoma
Pennsylvania (Conemaugh Medical Center Residents) - Embryonal cell carcinoma
Pennsylvania (Allegheny General Hospital) - Embryonal carcinoma
Washington, DC (Walter Reed Army Medical Center) - Embryonal carcinoma, intratubular germ cell neoplasia
Wisconsin (Meriter Health Services) - Embryonal carcinoma
Australia (North Queensland Pathology Group) - Embryonal carcinoma
Australia (Royal Prince Alfred Hospital) - Embryonal carcinoma and intratubular germ cell neoplasia
Saudi Arabia (King Khalid University Hospital Study Group) - Embryonal carcinoma with intratubular germ cell neoplasm, right testicle
Singapore - Embryonal carcinoma

Case 1 - Diagnosis:

Mixed Germ Cell Tumor, predominantly Embryonal Carcinoma, with Intratubular Germ Cell Neoplasia, Testis

Director's Note: Classic seminoma was also present, but not in the study set slides. (drc)
T-78000, M-89403

Case 1 – References:

Steinbronn DV, Hicks TH and Carrel WH. Mixed Germ Cell Testis Tumor in an 86-Year-Old Man. *J Urol* 1999; 162(1):161.
Herr HW and Sheinfeld J. Is Biopsy of the Contralateral Testis Necessary in Patients with Germ Cell Tumors? *J Urol* 1997; 158(4):1331-1334.
Akhtar M and al Dayel F. Is it Feasible to Diagnose Germ-Cell Tumors By Fine-Needle Aspiration Biopsy? *Diagn Cytopathol* 1997; 16(1):72-77.
Prow DM. Germ Cell Tumors. Staging, Prognosis, and Outcome. *Semin Urol Oncol* 1998; 16(2):82-93.

Case No. 2, Accession No. 28785

March 2001

Bakersfield - Plasma cell leukemia involving testis
Bay Area - Plasmacytoma (3)
Hayward/Fremont - Plasma cell tumor, testis
Irvine (UCI Medical Center) - Plasma cell dyscrasia consistent with plasma cell leukemia
Loma Linda Residents - Testicular plasmacytoma associated with plasma cell leukemia
Long Beach - Testicular involvement by plasma cell leukemia (8)
Modesto - Plasmacytoma
Monterey Park (Garfield Medical Center) - Plasmacytoma
Monterey (Community Hospital of Monterey Peninsula) - Plasmacytoma
Mountain View (El Camino Pathology Group) - Plasmacytoma
Oakland (Kaiser) - Plasma cell leukemia infiltrate (3)
Sacramento (UC Davis Medical Center) - Plasmacytoma
San Diego (Naval Medical Center) - Plasmacytoma
Santa Barbara (Cottage Hospital) - Myeloma
Santa Rosa (Santa Rosa Memorial Hospital) - Testicular plasmacytoma/multiple myeloma (3)
Van Nuys (TMC Residents) - Plasmacytoma/plasma cell leukemia
Ventura (Unilab) - Plasmacytoma (2)
Alaska (Anchorage) - Spermatocytic seminoma
Florida (Monroe Regional Medical Center) - Plasmacytoma
Florida (TCH Pathology) - Plasmacytoma
Florida (Winter Haven Hospital) - Plasmacytoma (2)
Illinois (DuPage Pathology Associates) - Diffuse large cell lymphoma with plasmacytoid differentiation (1); Extramedullary plasmacytoma, testis
Indiana (Fort Wayne) - Plasma cell leukemia/myeloma involving testis (recurrent)
Iowa (University of Iowa) - Plasmacytoma
Kentucky (University of Louisville Residents) - Plasmacytoma
Maryland (Johns Hopkins Hospital Residents) - Testicular relapse of plasma cell leukemia
Maryland (Woodbine) - Plasma cell leukemia infiltrating testis (1); Plasma cell dyscrasia (1)
Massachusetts (Berkshire Medical Center) - Plasmacytoma
Michigan (Oakwood Hospital) - Plasma cell myeloma
Michigan (St. Joseph Mercy Hospital) - Recurrent extramedullary plasma cell leukemia (plasmacytoma) (1); Plasmacytoma (1)
Nebraska (Creighton University School of Medicine) - Plasmacytoma
New Jersey (Overlook Hospital) - Myeloma, testis (4)
New York (Beth Israel Medical Center Residents) - Plasmacytoma, testicle
New York (DVAMC, Northport) - Plasmacytoma
New York (Impath) - Plasma cell leukemia infiltrate in testis

New York (LIJ Medical Center) - Plasmacytoma associated with plasma cell leukemia
New York (SUNY Stony Brook University Hospital Residents) - Secondary involvement of testicle by plasma cell leukemia (10)
North Carolina (Wake Forest University Residents) - Plasmacytoma
North Carolina (WNC Pathology Group Residents) - Plasmacytoma (2); Plasma cell dyscrasia (1)
Oklahoma (South Tulsa Group) - Plasma cell myeloma
Pennsylvania (Conemaugh Medical Center Residents) - Plasmacytoma
Pennsylvania (Allegheny General Hospital) - Post transplant plasmacytoma
Washington, DC (Walter Reed Army Medical Center) - Plasmacytoma
Wisconsin (Meriter Health Services) - Plasma cell dyscrasia, probably residual plasma cell leukemia
Australia (North Queensland Pathology Group) - Plasmacytoma
Australia (Royal Prince Alfred Hospital) - Multiple myeloma
Saudi Arabia (King Khalid University Hospital Study Group) - Involvement by plasma cell leukemia, left testicle
Singapore - Plasmacytoma

Case 2 - Diagnosis:

Plasmacytoma/Testicle Relapse of Plasma Cell Leukemia, Testicle

T-78000, M-97311

Case 2 - References:

Kumar PV. Testicular Leukemia Relapse. Fine Needle Aspiration Findings. *Acta Cytol* 1998; 42(2):312-316.
Kahr WH, Al-Homadhi A, et al. Testicular Plasmacytoma Following Chemical Orchiectomy. Potential Role of Hypogonadism in Myeloma Proliferation. *Leuk Lymphoma* 1998; 28(3-4):437-442.
Ferry JA, Young RH and Scully RE. Testicular and Epididymal Plasmacytoma. A Report of 7 Cases, Including Three That Were the Initial Manifestation of Plasma Cell Myeloma. *Am J Surg Pathol* 1997; 21(5):590-598.
Reddi VR, Anne GP and Rani AV. Primary Plasmacytoma of Testis. Report of a Case. *Indian J Cancer* 1998; 35(4):152-155.

Case No. 3, Accession No. 28792

March 2001

Bakersfield - Serous cystadenocarcinoma of low malignant potential
Bay Area - Serous papillary cystic tumor of borderline malignancy (2); Typical serous papillary cystic tumor (1)
Hayward/Fremont - Serous cystoma, ovary
Irvine (UCI Medical Center) - Papillary serous tumor of borderline malignancy
Loma Linda Residents - Papillary serous cystadenoma of borderline malignant potential, ovary
Long Beach - Serous papillary cyst adenocarcinoma of low malignant potential (8)
Modesto - Serous papillary cystic tumor of borderline malignancy
Monterey Park (Garfield Medical Center) - Papillary serous borderline tumor
Monterey (Community Hospital of Monterey Peninsula) - Papillary serous cystadenoma, borderline
Mountain View (El Camino Pathology Group) - Serous borderline tumor
Oakland (Kaiser) - Serous tumor of low malignant potential (3)
Sacramento (UC Davis Medical Center) - Papillary serous tumor, low malignant potential
San Diego (Naval Medical Center) - Borderline serous papillary tumor
Santa Barbara (Cottage Hospital) - Micropapillary serous borderline tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Papillary serous tumor of undetermined malignant potential (3)
Van Nuys (TMC Residents) - Atypical proliferating serous cystadenoma
Ventura (Unilab) - Serous papillary cystic tumor of borderline malignancy (2)
Alaska (Anchorage) - Borderline serous papillary cystadenoma
Florida (Monroe Regional Medical Center) - Papillary serous tumor of borderline malignancy
Florida (TCH Pathology) - Papillary serous tumor of low malignant potential
Florida (Winter Haven Hospital) - Borderline papillary serous tumor (1); Papillary cystadenoma of malignant potential (1)
Illinois (DuPage Pathology Associates) - Low malignant potential serous cystadenocarcinoma (1); Atypical proliferating (borderline) papillary serous tumor, ovary (1)
Indiana (Fort Wayne) - Borderline proliferative serous tumor, ovary

Iowa (University of Iowa) - Serous papillary tumor of low malignant potential
Kentucky (University of Louisville Residents) - Serous tumor of low malignant potential
Maryland (Johns Hopkins Hospital Residents) - Ovarian serous borderline tumor
Maryland (Woodbine) - Serous papillary cystic tumor of borderline malignancy (1); Mucinous cystadenoma (1)
Massachusetts (Berkshire Medical Center) - Borderline serous cystadenoma
Michigan (Oakwood Hospital) - Serous borderline tumor
Michigan (St. Joseph Mercy Hospital) - Serous borderline tumor (1); Serous tumor of low or borderline malignant potential (1)
Nebraska (Creighton University School of Medicine) - Serous papillary cystic tumor of borderline malignancy
New Jersey (Overlook Hospital) - Borderline papillary serous ovarian tumor (3); Papillary serous cystadenoma with focal proliferative features (1)
New York (Beth Israel Medical Center Residents) - Serous papillary cystadenoma with borderline potential malignancy, ovary
New York (DVAMC, Northport) - Serous papillary tumor of borderline malignant potential
New York (Impath) - Serous papillary tumor of borderline malignancy
New York (LIJ Medical Center) - Serous tumor, borderline
New York (SUNY Stony Brook University Hospital Residents) - Borderline mucinous cystadenoma, endocervical type (10)
North Carolina (Wake Forest University Residents) - Serous borderline tumor
North Carolina (WNC Pathology Group Residents) - Serous tumor of low malignant potential (3)
Oklahoma (South Tulsa Group) - Serous papillary cystadenoma, borderline type
Pennsylvania (Conemaugh Medical Center Residents) - Serous cystadenoma, borderline malignancy
Pennsylvania (Allegheny General Hospital) - Borderline serous tumor
Washington, DC (Walter Reed Army Medical Center) - Micropapillary serous tumor of low malignant potential (borderline)
Wisconsin (Meriter Health Services) - Serous tumor, low malignant potential (borderline malignancy)
Australia (North Queensland Pathology Group) - Borderline serous tumor
Australia (Royal Prince Alfred Hospital) - Serous papillary tumor of borderline type
Saudi Arabia (King Khalid University Hospital Study Group) - Serous cystic neoplasm of low malignant potential, right ovary
Singapore - Borderline serous tumor

Case 3 - Diagnosis:

Papillary Serous Tumor of Borderline Malignancy, Ovary

T-87000, M-80001

Case 3 - References:

Gershenson DM, Silva ED, Tortolero Lung, et al. Serous Borderline Tumors of the Ovary with Non-Invasive Peritoneal Implants. *Cancer* 1998; 83:2157-2163.
 Seidman JD and Kurman RJ. Subclassification of Serous Borderline Tumors of the Ovary into Benign and Malignant Types. A Clinicopathologic Study of 65 Advanced Stage Cases. *Am J Surg Pathol* 1996; 20(11):1331-1345.
 Caduff RF, Svoboda-Newman SM and Ferguson AW, et al. Comparison of Mutations of Ki-RAS and p53 Immunoreactivity in Borderline and Malignant Epithelial Ovarian Tumors. *Am J Surg Pathol* 1999; 23(3):323-328.
 Kurman RJ and Trimble CL. The Behavior of Serous Tumors of Low Malignant Potential. Are They Ever Malignant? *Int J Gynecol Pathol* 1993; 12(2):120-127.
 Bell DA, Weinstock MA and Scully RE. Peritoneal Implants of Ovarian Serous Borderline Tumors. *Cancer* 1988; 62(10):2212-2222.

Case No. 4, Accession No. 28920

March 2001

Bakersfield - Proliferating Brenner tumor
Bay Area - Atypical proliferating (borderline) Brenner tumor (3)
Hayward/Fremont - Brenner tumor, ovary
Irvine (UCI Medical Center) - Brenner tumor, borderline malignancy
Loma Linda Residents - Borderline Brenner tumor, ovary
Long Beach - Proliferating Brenner tumor (8)
Modesto - Brenner tumor
Monterey Park (Garfield Medical Center) - Proliferating Brenner tumor

Monterey (Community Hospital of Monterey Peninsula) - Brenner tumor
Mountain View (El Camino Pathology Group) - Brenner tumor (proliferating)
Oakland (Kaiser) - Brenner tumor (3)
Sacramento (UC Davis Medical Center) - Brenner tumor, borderline type with intraepithelial carcinoma
San Diego (Naval Medical Center) - Borderline Brenner tumor
Santa Barbara (Cottage Hospital) - Proliferating Brenner tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Brenner tumor with borderline cytology, probably benign (2); Brenner tumor (1)
Van Nuys (TMC Residents) - Atypical proliferating Brenner tumor
Ventura (Unilab) - Brenner tumor
Alaska (Anchorage) - Brenner tumor
Florida (Monroe Regional Medical Center) - Borderline Brenner tumor with foci of intraepithelial carcinoma
Florida (TCH Pathology) - Brenner tumor
Florida (Winter Haven Hospital) - Proliferating Brenner tumor (1); Brenner tumor (1)
Illinois (DuPage Pathology Associates) - Atypically proliferating Brenner tumor (1); Brenner tumor with mucinous metaplasia, rule out borderline Brenner tumor with focal grade 2 nuclei, no obvious stromal invasion (1)
Indiana (Fort Wayne) - Proliferating Brenner tumor, ovary (with focal atypia)
Iowa (University of Iowa) - Brenner tumor
Kentucky (University of Louisville Residents) - Brenner tumor, benign
Maryland (Johns Hopkins Hospital Residents) - Brenner tumor, favor benign
Maryland (Woodbine) - Brenner tumor of borderline malignancy (2)
Massachusetts (Berkshire Medical Center) - Atypical proliferating Brenner tumor
Michigan (Oakwood Hospital) - Brenner tumor
Michigan (St. Joseph Mercy Hospital) - Proliferating Brenner tumor (2)
Nebraska (Creighton University School of Medicine) - Brenner tumor
New Jersey (Overlook Hospital) - Borderline malignant Brenner tumor (4)
New York (Beth Israel Medical Center Residents) - Brenner tumor with borderline malignancy, ovary
New York (DVAMC, Northport) - Proliferating Brenner's tumor
New York (Impath) - Brenner tumor, benign (3); Borderline (2)
New York (LIJ Medical Center) - Brenner tumor, borderline
New York (SUNY Stony Brook University Hospital Residents) - Brenner tumor with proliferation (10)
North Carolina (Wake Forest University Residents) - Proliferating Brenner tumor
North Carolina (WNC Pathology Group Residents) - Brenner tumor of low malignant potential (2); Borderline Brenner tumor (1)
Oklahoma (South Tulsa Group) - Borderline (proliferating) Brenner tumor
Pennsylvania (Conemaugh Medical Center Residents) - Proliferative Brenner tumor
Pennsylvania (Allegheny General Hospital) - Borderline TCC
Washington, DC (Walter Reed Army Medical Center) - Brenner tumor of low malignant potential (borderline)
Wisconsin (Meriter Health Services) - Benign transitional (Brenner) cell tumor
Australia (North Queensland Pathology Group) - Borderline Brenner tumor
Australia (Royal Prince Alfred Hospital) - Brenner, borderline (4); benign (4)
Saudi Arabia (King Khalid University Hospital Study Group) - Proliferating Brenner's tumor (3); Malignant Brenner tumor, right ovary (3)
Singapore - Brenner tumor

Case 4 - Diagnosis:

Borderline ("Proliferating") Brenner Tumor, Ovary

T-87000, M-90000

Case 4 - References:

- Woodruff JD, Dietrich D, Genadry R and Parmley TH. Proliferative and Malignant Brenner Tumors. Review of 47 Cases. *Am J Obstet Gynecol* 1981; 141(2):118-125.
- Roth LM, Gersell DJ and Ulbright TM. Ovarian Brenner Tumors and Transitional Cell Carcinoma. Recent Developments. *Int J Gynecol Pathol* 1993; 12(2):128-133.
- Santini D, Gelli MC, Mazzaleni G, Ricci M, et al. Brenner Tumor of the Ovary. A Correlative Histologic Histochemical, Immunohistochemical and Ultrastructural Investigation. *Hum Pathol* 1989; 20(8):787-795.
- Silverberg SG. Brenner Tumor of the Ovary. A Clinicopathologic Study of 60 Tumors in 54 Women. *Cancer* 1971; 28(3):588-596.

Case No. 5, Accession No. 28934

March 2001

Bakersfield - Clear cell carcinoma of ovary
Bay Area - Infiltrating clear cell carcinoid (3)
Hayward/Fremont - Clear cell carcinoma, ovary
Irvine (UCI Medical Center) - Clear cell carcinoma
Loma Linda Residents - Clear cell adenocarcinoma, ovary
Long Beach - Clear cell carcinoma (8)
Modesto - Clear cell carcinoma
Monterey Park (Garfield Medical Center) - Clear cell adenocarcinoma
Monterey (Community Hospital of Monterey Peninsula) - Clear cell carcinoma
Mountain View (El Camino Pathology Group) - Clear cell adenocarcinoma
Oakland (Kaiser) - Clear cell carcinoma (3)
Sacramento (UC Davis Medical Center) - Clear cell carcinoma
San Diego (Naval Medical Center) - Clear cell carcinoma
Santa Barbara (Cottage Hospital) - Clear cell carcinoma
Santa Rosa (Santa Rosa Memorial Hospital) - Clear cell carcinoma of ovary
Van Nuys (TMC Residents) - Clear cell carcinoma
Ventura (Unilab) - Endometrioid adenocarcinoma (2)
Alaska (Anchorage) - Clear cell carcinoma (? arising in endometriotic cyst)
Florida (Monroe Regional Medical Center) - Papillary serous adenocarcinoma
Florida (TCH Pathology) - Clear cell carcinoma
Florida (Winter Haven Hospital) - Papillary clear cell adenocarcinoma (1); Endometrioid adenocarcinoma (1)
Illinois (DuPage Pathology Associates) - Clear cell carcinoma
Indiana (Fort Wayne) - Clear cell endometrioid carcinoma (low grade), ovary (secretory variant)
Iowa (University of Iowa) - Clear cell carcinoma
Kentucky (University of Louisville Residents) - Clear cell adenocarcinoma
Maryland (Johns Hopkins Hospital Residents) - Favor ovarian clear cell carcinoma
Maryland (Woodbine) - Clear cell carcinoma (2)
Massachusetts (Berkshire Medical Center) - Mesonephric adenocarcinoma
Michigan (Oakwood Hospital) - Clear cell carcinoma in an adenofibromatous background
Michigan (St. Joseph Mercy Hospital) - Clear cell carcinoma (2)
Nebraska (Creighton University School of Medicine) - Papillary clear cell carcinoma
New Jersey (Overlook Hospital) - Clear cell adenocarcinoma (4)
New York (Beth Israel Medical Center Residents) - Clear cell adenocarcinoma, ovary
New York (DVAMC, Northport) - Clear cell carcinoma
New York (Impath) - Clear cell adenocarcinoma of ovary
New York (LIJ Medical Center) - Clear cell carcinoma
New York (SUNY Stony Brook University Hospital Residents) - Clear cell carcinoma (10)
North Carolina (Wake Forest University Residents) - Clear cell carcinoma
North Carolina (WNC Pathology Group Residents) - Clear cell carcinoma (3)
Oklahoma (South Tulsa Group) - Clear cell adenocarcinoma
Pennsylvania (Conemaugh Medical Center Residents) - Clear cell carcinoma
Pennsylvania (Allegheny General Hospital) - Clear cell carcinoma
Washington, DC (Walter Reed Army Medical Center) - Clear cell carcinoma
Wisconsin (Meriter Health Services) - Clear cell carcinoma
Australia (North Queensland Pathology Group) - Clear cell carcinoma
Australia (Royal Prince Alfred Hospital) - Clear cell adenocarcinoma
Saudi Arabia (King Khalid University Hospital Study Group) - Clear cell carcinoma, left ovary

Singapore - Clear cell carcinoma

Case 5 - Diagnosis:

Clear Cell Carcinoma, Ovary

T-87000, M-83103

Case 5 - References:

- Shimizu M, Nikaido T, et al. Clear Cell Carcinoma has an Expression Pattern of Cell Cycle Regulatory Molecules That is Unique Among Ovarian Adenocarcinomas. *Cancer* 1999; 85(3):669-677.
- Pelkey TJ, Frierson HF, et al. The Diagnostic Utility of Inhibin Staining of Ovarian Neoplasms. *Int J Gynecol Pathol* 1998; 17(2):97-105.
- Tammela J, Geisler JP, et al. Clear Cell Carcinoma of the Ovary. Poor Prognosis Compared to Serous Carcinoma. *Eur J Gynecol Oncol* 1998; 19(5):438-440
- Sugiyama T, Kamura T, et al. Clinical Characteristics of Clear Cell Carcinoma of the Ovary. A Distinct Histologic Type with Poor Prognosis and Resistance to Platinum-Based Chemotherapy. *Cancer* 2000; 88(11):2584-2589.
- Shimizu Y, Kamoi S, et al. Toward the Development of a Universal Grading System for Ovarian Epithelial Carcinoma. Testing of a Proposed System in a Series of 461 Patients with Uniform Treatment and Follow-Up. *Cancer* 1998; 82(5):893-901.

Case No. 6, Accession No. 28935

March 2001

- Bakersfield - Invasive adenocarcinoma of gallbladder
- Bay Area - Adenocarcinoma (3)
- Hayward/Fremont - Papillary carcinoma, gallbladder
- Irvine (UCI Medical Center) - Adenocarcinoma of gallbladder
- Loma Linda Residents - Adenocarcinoma, gallbladder
- Long Beach - Adenocarcinoma (8)
- Modesto - Papillary adenocarcinoma, well-differentiated
- Monterey Park (Garfield Medical Center) - Adenocarcinoma
- Monterey (Community Hospital of Monterey Peninsula) - Adenocarcinoma
- Mountain View (El Camino Pathology Group) - Adenocarcinoma in-situ with stromal invasion
- Oakland (Kaiser) - Well differentiated adenocarcinoma (3)
- Sacramento (UC Davis Medical Center) - Adenocarcinoma
- San Diego (Naval Medical Center) - Well differentiated adenocarcinoma arising in a tubulovillous adenoma
- Santa Barbara (Cottage Hospital) - Adenocarcinoma, well differentiated, gallbladder
- Santa Rosa (Santa Rosa Memorial Hospital) - Invasive gallbladder adenocarcinoma (1); Adenocarcinoma with papillary features (1); Adenocarcinoma of gallbladder (1)
- Van Nuys (TMC Residents) - Adenocarcinoma of gallbladder arising as a tubulovillous adenoma
- Ventura (Unilab) - Adenocarcinoma (2)
- Alaska (Anchorage) - Gallbladder adenocarcinoma
- Florida (Monroe Regional Medical Center) - Adenocarcinoma
- Florida (TCH Pathology) - Micro invasive adenocarcinoma arising in adenoma
- Florida (Winter Haven Hospital) - Papillary adenocarcinoma, invasive (1); Adenocarcinoma (1)
- Illinois (DuPage Pathology Associates) - Moderately differentiated infiltrating adenocarcinoma of gallbladder (2)
- Indiana (Fort Wayne) - Grade 2, papillary adenocarcinoma with invasion, gallbladder
- Iowa (University of Iowa) - Chronic cholecystitis with high grade dysplasia extending into Rokitansky-Aschoff sinuses
- Kentucky (University of Louisville Residents) - Invasive papillary adenocarcinoma
- Maryland (Johns Hopkins Hospital Residents) - Adenocarcinoma of the gallbladder with superficial papillary features and foci of invasion vs villous adenoma with high grade dysplasia and possible invasive carcinoma
- Maryland (Woodbine) - Papillary carcinoma (2)
- Massachusetts (Berkshire Medical Center) - Invasive adenocarcinoma, papillary type of gallbladder
- Michigan (Oakwood Hospital) - Invasive adenocarcinoma arising in dysplastic background
- Michigan (St. Joseph Mercy Hospital) - Well differentiated invasive adenocarcinoma (2)
- Nebraska (Creighton University School of Medicine) - Well differentiated adenocarcinoma, invasive
- New Jersey (Overlook Hospital) - Invasive adenocarcinoma, gallbladder (4)

New York (Beth Israel Medical Center Residents) - Adenocarcinoma, gallbladder
New York (DVAMC, Northport) - Invasive adenocarcinoma arising in villous adenoma
New York (Impath) - Carcinoma in-situ of gallbladder with involvement of Rokitansky-Aschoff sinuses
New York (LIJ Medical Center) - Adenocarcinoma
New York (SUNY Stony Brook University Hospital Residents) - Invasive adenocarcinoma of gallbladder (10)
North Carolina (Wake Forest University Residents) - Well differentiated adenocarcinoma
North Carolina (WNC Pathology Group Residents) - Adenocarcinoma of gallbladder (3)
Oklahoma (South Tulsa Group) - Adenocarcinoma
Pennsylvania (Conemaugh Medical Center Residents) - Papillary adenocarcinoma, moderately differentiated
Pennsylvania (Allegheny General Hospital) - Adenocarcinoma arising in gallbladder adenoma
Washington, DC (Walter Reed Army Medical Center) - Well differentiated adenocarcinoma
Wisconsin (Meriter Health Services) - Adenocarcinoma, grade 2, invasive
Australia (North Queensland Pathology Group) - Adenocarcinoma of gallbladder
Australia (Royal Prince Alfred Hospital) - Villous adenoma with moderate dysplasia
Saudi Arabia (King Khalid University Hospital Study Group) - Adenocarcinoma, gallbladder
Singapore - Well differentiated adenocarcinoma

Case 6 - Diagnosis:

In Situ and Invasive Adenocarcinoma, Gallbladder

Director's Note: Not all slides demonstrated both components. (drc)

T-57000, M-81403

CASE 6 - REFERENCES:

Putz P and William G. Proliferative Changes in the Epithelium of the Human Lithasic Gallbladder. *J Natl Cancer Inst* 1978; 60(2):283-287.
 Albores-Saavedra J, Nadji M, Morales AR, et al. Carcinoembryonic Antigen in Normal, Preneoplastic and Neoplastic Gallbladder Epithelium. *Cancer* 1983; 52:1069-1072.
 Bivens BR, Meeker WR, Weiss DL and Griffen WO. Carcinoma In-Situ of the Gallbladder. A Dilemma. *South Med J* 1975; 68:297-300.
 Albores Saavedra, et al. Carcinoma In-Situ of the Gallbladder. A Clinicopathologic Study of 18 Cases. *Am J Surg Pathol* 1984; 8(5):323-333.
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 Wibbenmeyer LA, Wade TP, Chen RC, et al. Laparoscopic Cholecystectomy Can Disseminate In-Situ Carcinoma of the Gallbladder. *J Am Col Surg* 1995; 181(6):504-510.

Case No. 7, Accession No. 28795

March 2001

Bakersfield - Myxoma
Bay Area - Fibroma with myxoid degenerative features (fibromyxoma) (3)
Hayward/Fremont - Juxta articular myxoma
Irvine (UCI Medical Center) - Myxoma
Loma Linda Residents - Collagenous fibroma, left knee
Long Beach - Fibromyxoma (8)
Modesto - Intramuscular myxoma
Monterey Park (Garfield Medical Center) - Benign myxofibroma
Monterey (Community Hospital of Monterey Peninsula) - Ganglion
Mountain View (El Camino Pathology Group) - Juxta articular myxoma
Oakland (Kaiser) - Myxoma (3)
Sacramento (UC Davis Medical Center) - Intramuscular myxoma
San Diego (Naval Medical Center) - Juxta articular myxoma
Santa Barbara (Cottage Hospital) - Juxta articular myxoma
Santa Rosa (Santa Rosa Memorial Hospital) - Fibrous hyaline nodule with myxoid degeneration, benign (1); Collagenoma/fibroma (1); Benign fibrous nodule with myxoid change

Van Nuys (TMC Residents) - Fibromyxoma
Ventura (Unilab) - Intramuscular myxoma (2)
Alaska (Anchorage) - Benign soft tissue myxochondroma
Florida (Monroe Regional Medical Center) - Chondromyxoid fibroma
Florida (TCH Pathology) - Myxoma
Florida (Winter Haven Hospital) - Juxta articular myxoma (1); Fibroma of tendon sheath (1)
Illinois (DuPage Pathology Associates) - Fibromyxoma (1); Fibroma of tendon sheath, knee (1)
Indiana (Fort Wayne) - Collagenous fibroma (with myxoid degeneration), tendon sheath, supra patella zone, knee
Iowa (University of Iowa) - Fibroma of tendon sheath
Kentucky (University of Louisville Residents) - Fibroma of tendon sheath
Maryland (Johns Hopkins Hospital Residents) - Fibroma of tendon sheath
Maryland (Woodbine) - Fibroma of tendon sheath (2)
Massachusetts (Berkshire Medical Center) - Myxoid fibroma of tendon sheath
Michigan (Oakwood Hospital) - Juxta articular myxoma
Michigan (St. Joseph Mercy Hospital) - Myxoma vs. collagenous fibroma (1); Collagenous fibroma (1)
Nebraska (Creighton University School of Medicine) - Fibromyxoid tumor, benign
New Jersey (Overlook Hospital) - Myxofibroma (3); Juxta articular myxoma (1)
New York (Beth Israel Medical Center Residents) - Fibroma of tendon sheath
New York (DVAMC, Northport) - Juxta articular myxoma
New York (Impath) - Juxta articular myxoma
New York (LIJ Medical Center) - Fibroma of tendon sheath
New York (SUNY Stony Brook University Hospital Residents) - Collagenous fibroma (10)
North Carolina (Wake Forest University Residents) - No answer
North Carolina (WNC Pathology Group Residents) - Juxta articular myxoma (2); Fibroma of tendon sheath (1)
Oklahoma (South Tulsa Group) - Fibroma of tendon sheath
Pennsylvania (Conemaugh Medical Center Residents) - Fibroma with myxoid change
Pennsylvania (Allegheny General Hospital) - Myxoma
Washington, DC (Walter Reed Army Medical Center) - Myxofibroma
Wisconsin (Meriter Health Services) - Juxta articular myxoma
Australia (North Queensland Pathology Group) - Fibroma of tendon sheath
Australia (Royal Prince Alfred Hospital) - Juxta articular myxoma
Saudi Arabia (King Khalid University Hospital Study Group) - Low grade fibromyxosarcoma
Singapore - Low grade fibromyxoid sarcoma

Case 7 - Diagnosis:

Fibroma of Tendon Sheath with Myxoid Change, Knee

T-Y9200, M-88100

Case 7 - References:

Chung EB and Enzinger FM. Fibroma of Tendon Sheath. *Cancer* 1979; 44(5):1945-1954.
 Lamovec J, Bracko M and Voncina D. Pleomorphic Fibroma of Tendon Sheath. *Am J Surg Pathol* 1991; 15:1202.
 Lundgren LG and Kindblom LG. Fibroma of Tendon Sheath. A Light and Electron-Microscopic Study of Six Cases. *Acta Pathol Microbiol Immunol Scand* 1984; 92(6):401-409.
 Pulitzer DR, Martin PC and Reed RJ. Fibroma of Tendon Sheath. A Clinicopathologic Study of 32 Cases. *Am J Surg Pathol* 1989; 13(6):472-479.
 Smith PS, Pieterse AS and McClure J. Fibroma of Tendon Sheath. *J Clin Pathol* 1982; 35(8):842-848.

Case No. 8, Accession No. 28799

March 2001

Bakersfield - Granular cell tumor
Bay Area - Granular cell tumor (3)
Hayward/Fremont - Granular cell tumor
Irvine (UCI Medical Center) - Granular cell tumor

Loma Linda Residents - Granular cell tumor, chest wall
Long Beach - Granular cell tumor (8)
Modesto - Malignant granular cell tumor
Monterey Park (Garfield Medical Center) - Granular cell tumor, malignant
Monterey (Community Hospital of Monterey Peninsula) - Granular cell tumor
Mountain View (El Camino Pathology Group) - Granular cell tumor
Oakland (Kaiser) - Granular cell tumor (3)
Sacramento (UC Davis Medical Center) - Malignant granular cell tumor
San Diego (Naval Medical Center) - Recurrent granular cell tumor (8); Metastatic renal cell carcinoma (1)
Santa Barbara (Cottage Hospital) - Granular cell tumor, recurrent
Santa Rosa (Santa Rosa Memorial Hospital) - Infiltrative granular cell tumor (2); Granular cell tumor (1)
Van Nuys (TMC Residents) - Granular cell myoblastoma
Ventura (Unilab) - Granular cell tumor (2)
Alaska (Anchorage) - Granular cell tumor
Florida (Monroe Regional Medical Center) - Granular cell tumor
Florida (TCH Pathology) - Granular cell tumor
Florida (Winter Haven Hospital) - Malignant granular cell tumor (2)
Illinois (DuPage Pathology Associates) - Granular cell tumor (? malignant) (1); Granular cell tumor, chest (1)
Indiana (Fort Wayne) - Recurrent granular cell tumor, (LGMP), chest wall
Iowa (University of Iowa) - Granular cell tumor, suspicious for malignant granular cell tumor
Kentucky (University of Louisville Residents) - Granular cell tumor
Maryland (Johns Hopkins Hospital Residents) - Malignant granular cell tumor
Maryland (Woodbine) - Granular cell tumor (2)
Massachusetts (Berkshire Medical Center) - Malignant granular cell tumor
Michigan (Oakwood Hospital) - Granular cell tumor (granular schwannoma)
Michigan (St. Joseph Mercy Hospital) - Granular cell tumor
Nebraska (Creighton University School of Medicine) - Malignant granular cell tumor
New Jersey (Overlook Hospital) - Recurrent granular cell tumor with atypical features (probably malignant) (4)
New York (Beth Israel Medical Center Residents) - Granular cell tumor
New York (DVAMC, Northport) - Recurrent granular cell tumor (1); Recurrent rhabdomyoma (1)
New York (Impath) - Invasive granular cell tumor
New York (LIJ Medical Center) - Malignant granular cell tumor
New York (SUNY Stony Brook University Hospital Residents) - Granular cell tumor (10)
North Carolina (Wake Forest University Residents) - Malignant granular cell tumor
North Carolina (WNC Pathology Group Residents) - Malignant granular cell tumor (1); Granular cell tumor (2)
Oklahoma (South Tulsa Group) - Granular cell tumor
Pennsylvania (Conemaugh Medical Center Residents) - Granular cell tumor
Pennsylvania (Allegheny General Hospital) - Granular cell tumor
Washington, DC (Walter Reed Army Medical Center) - Granular cell tumor
Wisconsin (Meriter Health Services) - Granular cell tumor
Australia (North Queensland Pathology Group) - Granular cell tumor
Australia (Royal Prince Alfred Hospital) - Recurrent granular cell tumor
Saudi Arabia (King Khalid University Hospital Study Group) - Granular cell myoblastoma, chest wall
Singapore - Granular cell tumor (schwannoma)

Case 8 - Diagnosis:

Granular Cell Tumor (“Granular Cell Schwannoma”), Chest Wall

T-Y2150, M-95800

Case 8 – References:

Ordenez NG and Mackay B. Granular Cell Tumor. A Review of the Pathology and Histogenesis. *Ultrastruct Pathol* 1999; 23(4):207-222.
 Ordenez NG. Granular Cell Tumor. A Review and Update. *Adv Anat Pathol* 1999; 6(4):186-203.

Filie AC, Lage JM and Azumi N. Immunoreactivity of S-100 Protein. Alpha 1 Antitrypsin and CD-68 in Adult and Congenital Granular Cell Tumors. *Mod Pathol* 1996; 9(9):888-892.

Nikkels AF, Arrese EJ, et al. CD68 and Factor XIIIa Expressions in Granular-Cell Tumor of the Skin. *Dermatopathol* 1993; 186(2):106-108.

Kurtin PJ and Bonin DM. Immunohistochemical Demonstration of the Lysosome-Associated Glycoprotein CD68 (KP-1) in Granular Cell Tumors and Schwannomas. *Hum Pathol* 1994; 25(11):1172-1178.

Case No. 9, Accession No. 28724

March 2001

Bakersfield - Angiosarcoma

Bay Area - Dermatofibrosarcoma (2); Fibrosarcoma (? arising from an underlying fibrous tumor) (1)

Hayward/Fremont - Angiosarcoma

Irvine (UCI Medical Center) - Fibrosarcoma arising from dermatofibrosarcoma protuberans

Loma Linda Residents - Solitary fibrous tumor, sacral region (frequent mitoses, may behave aggressively)

Long Beach - Localized fibrous tumor, malignant (4); Dermatofibrosarcoma protuberans (4)

Modesto - Dermatofibrosarcoma protuberans

Monterey Park (Garfield Medical Center) - Malignant fibrous histiocytoma, pleomorphic

Monterey (Community Hospital of Monterey Peninsula) - Dermatofibrosarcoma protuberans

Mountain View (El Camino Pathology Group) - Dermatofibrosarcoma protuberans with fibrosarcomatous transformation

Oakland (Kaiser) - Solitary fibrous tumor, malignant (3)

Sacramento (UC Davis Medical Center) - Dermatofibrosarcoma protuberans

San Diego (Naval Medical Center) - Fibrosarcoma arising in a dermatofibrosarcoma protuberans

Santa Barbara (Cottage Hospital) - Malignant solitary fibrous tumor

Santa Rosa (Santa Rosa Memorial Hospital) - Sarcoma, probable angiosarcoma (2); Dermatofibrosarcoma protuberans with degeneration to malignant fibrous histiocytoma (1)

Van Nuys (TMC Residents) - Dermatofibrosarcoma protuberans

Ventura (Unilab) - Angiosarcoma (2)

Alaska (Anchorage) - Dermatofibrosarcoma protuberans

Florida (Monroe Regional Medical Center) - Dermatofibrosarcoma protuberans

Florida (TCH Pathology) - Malignant fibrous histiocytoma

Florida (Winter Haven Hospital) - Dermatofibrosarcoma protuberans (1); Malignant fibrous histiocytoma (1)

Illinois (DuPage Pathology Associates) - Hemangiopericytoma (1); Sacral region, malignant peripheral nerve sheath tumor vs ? (1)

Indiana (Fort Wayne) - Dermatofibrosarcoma protuberans, sacral zone

Iowa (University of Iowa) - Dermatofibrosarcoma protuberans

Kentucky (University of Louisville Residents) - Solitary fibrous tumor, malignant vs. fibrous type MFH

Maryland (Johns Hopkins Hospital Residents) - Dermatofibrosarcoma protuberans with atypical giant cells and increased mitotic activity

Maryland (Woodbine) - Malignant solitary fibrous tumor (2)

Massachusetts (Berkshire Medical Center) - Dermatofibrosarcoma protuberans

Michigan (Oakwood Hospital) - Fibrosarcoma, arising in dermatofibrosarcoma protuberans (1); Malignant solitary fibrous tumor (1)

Michigan (St. Joseph Mercy Hospital) - Solitary fibrous tumor vs. dermatofibrosarcoma protuberans with high grade sarcoma favored (1); Malignant solitary fibrous tumor (1)

Nebraska (Creighton University School of Medicine) - Dermatofibrosarcoma

New Jersey (Overlook Hospital) - Sarcoma ? malignant fibrous histiocytoma (2); ? dermatofibrosarcoma (1); ? malignant peripheral nerve sheath tumor (1)

New York (Beth Israel Medical Center Residents) - Solitary fibrous tumor

New York (DVAMC, Northport) - Sarcoma (Kaposi's vs. liposarcoma)

New York (Impath) - Dermatofibrosarcoma protuberans

New York (LIJ Medical Center) - Dermatofibrosarcoma protuberans

New York (SUNY Stony Brook University Hospital Residents) - Desmoplastic fibroblastoma (10)

North Carolina (Wake Forest University Residents) - Dermatofibrosarcoma with focal sarcomatous transformation

North Carolina (WNC Pathology Group Residents) - Spindle cell hemangioendothelioma vs. dermatofibrosarcoma protuberans (1); Dermatofibrosarcoma protuberans (2)

Oklahoma (South Tulsa Group) - Dermatofibrosarcoma protuberans
Pennsylvania (Conemaugh Medical Center Residents) - Dermatofibrosarcoma protuberans
Pennsylvania (Allegheny General Hospital) - Dermatofibrosarcoma protuberans
Washington, DC (Walter Reed Army Medical Center) - Dermatofibrosarcoma protuberans vs. angiosarcoma
Wisconsin (Meriter Health Services) - Malignant spindle cell neoplasm, favor spindle hemangioendothelioma vs. Kaposi's vs. dermatofibrosarcoma protuberans
Australia (North Queensland Pathology Group) - Dermatofibrosarcoma protuberans
Australia (Royal Prince Alfred Hospital) - Malignant extrapleural solitary fibrous tumor
Saudi Arabia (King Khalid University Hospital Study Group) - Dermatofibrosarcoma protuberance, sacral region
Singapore - Kaposi's sarcoma

Case 9 - Diagnosis:

Dermatofibrosarcoma Protuberans (DFSP) with Focal Fibrosarcomatous Transformation, Sacral Region

T-10800, M-88323

Case 9 – References:

Pedeutour F, Coindre JM, Sozzi G, et al. Supernumerary Ring Chromosomes Containing Chromosome 17 Sequences. A Specific Feature of Dermatofibrosarcoma Protuberans. *Cancer Genet Cytogenet* 1994; 76(1):1-9.
 Connelly JH and Evans HL. Dermatofibrosarcoma Protuberans. A Clinicopathologic Review with Emphasis on Fibrosarcomatous Areas. *Am J Surg Pathol* 1992; 16(10):921-925.
 Ohtani N, Fukusato T, et al. Sarcomatous Dermatofibrosarcoma Protuberans Metastasized to the Lung. Preservation of CD34 Expression in Tumor Cells. *Pathol Int* (Australia) 1998; 48(12):989-993.
 Morimitsu Y, Hisaoka M, et al. Dermatofibrosarcoma Protuberans and its Fibrosarcomatous Variant with Areas of Myxoid Differentiation. A Report of Three Cases. *Histopathol* 1999; 34(2):179-180.
 Goldblum JR, Reith JD, et al. Sarcomas Arising in Dermatofibrosarcoma Protuberans. A Reappraisal of Biologic Behavior in Eighteen Cases Treated by Wide Local Excision with Extended Clinical Follow Up. *Am J Surg Pathol* 2000; 24(8):1125-1130.

Case No. 10, Accession No. 28838

March 2001

Bakersfield - Poorly differentiated tumor, rule out prostatic primary, suggest PSA stain
Bay Area - Poorly differentiated epithelioid sarcoma (? epithelioid angiosarcoma) (2); Undifferentiated malignant neoplasm, NOS (1)
Hayward/Fremont - Oncocytoma
Irvine (UCI Medical Center) - Non differentiated malignant tumor, not otherwise specified
Loma Linda Residents - High grade malignant neoplasm, NOS
Long Beach - Malignant neoplasm, NOS (rule out Ki-1 lymphoma) (8)
Modesto - Pleomorphic liposarcoma
Monterey Park (Garfield Medical Center) - Alveolar soft part sarcoma
Monterey (Community Hospital of Monterey Peninsula) - Malignant fibrous histiocytoma
Mountain View (El Camino Pathology Group) - Undifferentiated malignant neoplasm, possible Ki-1 + anaplastic large cell lymphoma?
Oakland (Kaiser) - Undifferentiated malignant neoplasm (3)
Sacramento (UC Davis Medical Center) - Malignant fibrous histiocytoma alveolar soft part sarcoma or malignant glandular cell carcinoma favor alveolar soft part sarcoma
San Diego (Naval Medical Center) - Poorly differentiated neoplasm, favor sarcoma with epithelioid features
Santa Barbara (Cottage Hospital) - Alveolar soft part sarcoma
Santa Rosa (Santa Rosa Memorial Hospital) - Sarcoma most consistent with clear cell sarcoma (1); Sarcoma rule out clear cell sarcoma vs histiocytic sarcoma (1); Malignant large cell neoplasm, rule out anaplastic large cell lymphoma vs. sarcoma (1)
Van Nuys (TMC Residents) - Malignant fibrous histiocytoma, pleomorphic variant
Ventura (Unilab) - Liposarcoma (2)
Alaska (Anchorage) - Malignant tumor (Dx: Immunoblastic sarcoma, anaplastic large cell lymphoma, S-100 negative, metastatic melanoma)
Florida (Monroe Regional Medical Center) - Reticulohistiocytoma vs. atypical fibroxanthoma

Florida (TCH Pathology) - Malignant fibrous histiocytoma
Florida (Winter Haven Hospital) - Malignant histiocytoma (1); Liposarcoma (1)
Illinois (DuPage Pathology Associates) - Epithelioid hemangioendothelioma (1); Anaplastic neoplasm, NOS (EM? vimentin?), back (1)
Indiana (Fort Wayne) - Anaplastic neoplasm, NOS, rule out lymphoma
Iowa (University of Iowa) - Epithelioid angiosarcoma
Kentucky (University of Louisville Residents) - Pleomorphic sarcoma favor angiosarcoma
Maryland (Johns Hopkins Hospital Residents) - Poorly differentiated malignant neoplasm. Metastatic high grade prostatic adenocarcinoma vs. pleomorphic sarcoma, would perform PSA/PSAP immunostains
Maryland (Woodbine) - Malignant fibrous histiocytoma (2)
Massachusetts (Berkshire Medical Center) - Sarcoma
Michigan (Oakwood Hospital) - Malignant, possibly lymphoma, T-cell, anaplastic
Michigan (St. Joseph Mercy Hospital) - High grade sarcoma, favor alveolar soft part sarcoma (1); Malignant fibrous histiocytoma (1)
Nebraska (Creighton University School of Medicine) - Poorly differentiated metastatic adenocarcinoma from prostate
New Jersey (Overlook Hospital) - Epithelioid malignant tumor, NOS (4)
New York (Beth Israel Medical Center Residents) - Anaplastic lymphoma
New York (DVAMC, Northport) - Sarcoma
New York (Impath) - Pleomorphic sarcoma, superficial malignant fibrous histiocytoma
New York (LIJ Medical Center) - High grade angiosarcoma
New York (SUNY Stony Brook University Hospital Residents) - Melanoma (10)
North Carolina (Wake Forest University Residents) - Inflammatory malignant fibrous histiocytoma
North Carolina (WNC Pathology Group Residents) - Epithelioid angiosarcoma (3)
Oklahoma (South Tulsa Group) - Sarcoma, probable angiosarcoma
Pennsylvania (Conemaugh Medical Center Residents) - Undifferentiated malignant tumor/prostatic metastasis
Pennsylvania (Allegheny General Hospital) - Alveolar soft part sarcoma
Washington, DC (Walter Reed Army Medical Center) - Undifferentiated neoplasm
Wisconsin (Meriter Health Services) - Malignant pleomorphic neoplasm, favor anaplastic large cell lymphoma (need CD30)
Australia (North Queensland Pathology Group) - Pleomorphic malignant fibrous histiocytoma
Australia (Royal Prince Alfred Hospital) - Pleomorphic malignant tumor. Differential diagnosis: Epithelial angiosarcoma, anaplastic large cell lymphoma, pleomorphic malignant fibrous histiocytoma
Saudi Arabia (King Khalid University Hospital Study Group) - Epithelioid malignant peripheral nerve sheath tumor (4); Ki-1 lymphoma (2)
Singapore - Epithelioid sarcoma

Case 10 - Diagnosis:

High Grade Malignant Neoplasm with Rhabdoid Features, Back
 T-Y1100, M-80003

Consultation: Julie C. Fanburg-Smith, M.D., AFIP, (Soft Tissue Section): “High grade malignant neoplasm with rhabdoid features.”

Case 10 - References:

Chase DR. Rhabdoid vs. Epithelioid Sarcoma (Letter to Editor). *Am J Surg Pathol* 1990; 14:792.
 Ogino S, Ro Ty, et al. Malignant Rhabdoid Tumor. A Phenotype? An Entity: A Controversy Revisited. *Adv Anat Pathol* 2000; 7(3):181-190.
 Zhou Y, Waldo B, et al. Pathologic Quiz Case. Extrarenal Rhabdoid Tumor. *Arch Pathol Lab Med* 1999; 123(9):853-854.
 Fanburg-Smith JC, Hengge M, et al. Extrarenal Rhabdoid Tumors of Soft Tissue. A Clinicopathologic and Immunohistochemical Study of 18 Cases. *Ann Diagn Pathol* 1998; 2(6):351-362.
 Guillou L, Wadden C, et al. “Proximal-Type” Epithelioid Sarcoma, A Distinctive Aggressive Neoplasm Showing Rhabdoid Features. Clinicopathologic, Immunohistochemical, and Ultrastructural Study of a Series. *Am J Surg Pathol* 1997; 21(2):130-146.
 Leong FJ and Leong AS. Malignant Rhabdoid Tumor in Adults-Heterogeneous Tumors with a Unique Morphological Phenotype. *Pathol Res Pract* (Germany) 1996; 192(8):796-807.