



CALIFORNIA
TUMOR TISSUE REGISTRY

GENERAL PATHOLOGY

Minutes – Subscription B

January, 2009



SUGGESTED READING (General Topics from Recent Literature):

- Infantile Digital Fibroma/Fibromatosis: A Clinicopathologic and Immunohistochemical Study of 69 Tumors from 57 Patients with Long-Term Follow-Up. Laskin WB, Miettinen M, and Fetsch JF. *Am J Surg Pathol* 2009; 33:1-13.
- Presence of Endometrial Adenocarcinoma In Situ in Complex Atypical Endometrial Hyperplasia Is Associated with Increased Incidence of Endometrial Carcinoma in Subsequent Hysterectomy. Mittal K, Sebenik M, et al. *Mod Pathol* 2009; 22:37-42.
- TTF-1 Expression in Ovarian and Uterine Epithelial Neoplasia and Its Potential Significance, An Immunohistochemical Assessment with Multiple Monoclonal Antibodies and Different Secondary Detection Systems. Zhang PJ, Gao HG, et al. *Int J Gynecol Pathol* 2009; 28:10-18.
- T(11;18)(q21;q21) In Extranodal Marginal Zone B-Cell Lymphoma of Mucosa-Associated Lymphoid Tissue In Stomach: A Study of 48 Cases. Wang G, Auerbach A, et al. *Mod Pathol* 2009; 22:79-86.
- A Limited Panel of Immunomarkers Can Reliably Distinguish Between Clear Cell and High-Grade Serous Carcinoma of the Ovary. Kobel M, Kalloger SE, et al. *Am J Surg Pathol* 2009; 33:14-21.

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FILE DIAGNOSES

CTTR Subscription B

January 2009

Case 1:

Chondroid syringoma, toe
T-56000, M-89400

Case 2:

Well-differentiated verruciform squamous carcinoma apparently arising in a branchial cleft cyst, left neck
T-Y0600, M-80513

Case 3:

Invasive ductal carcinoma, breast
T-04000, M-85003

Case 4:

Dysgerminoma, oviduct and ovary
T-87000, M-90603

Case 5:

Metastatic signet ring adenocarcinoma, bilateral ovaries (Krukenberg tumors)
T-87000, M-84906

Case 6:

Clear cell adenocarcinoma, ovary
T-87000, M-81403

Case 7:

Poorly differentiated carcinoma, oviduct
T-86100, M-80103

Case 8:

Gastrointestinal stromal tumor (GIST), jejunum
T-65100, M-96103

Case 9:

Malignant gastrointestinal stromal tumor (GIST), stomach
T-56000, M-96103

Case 10:

Nephroblastoma (Wilms tumor)
T-71000, M-89603

Glendale - Mixed tumor of skin
Orinda (Kaiser Permanente) - Cutaneous mixed tumor (chondroid syringoma)
Sacramento (UCDMC) - Chondroid syringoma
San Diego (Naval Medical Center San Diego) - Cutaneous mixed tumor
Alabama (Cunningham Pathology) - Chondroid syringoma
Florida (Naples Pathology Associates) - Chondroid syringoma
Georgia, Decatur - Mixed tumor of skin
Illinois (Heartland Regional Medical Center) - Cutaneous mixed tumor ("chondroid syringoma")
Illinois (Loyola University of Chicago) - Chondroid syringoma
Kansas (Coffeyville Regional Medical Center) - Apocrine gland carcinoma
Kansas (Peterson Laboratory Services) - Chondroid syringoma
Louisiana (LSUHSC) - Mixed tumor of skin
Michigan (Henry Ford Hospital) - Chondroid syringoma
Michigan (Pinkus Dermatopathology Laboratory) - Chondroid syringoma
Michigan (St. Mary's Mercy) - Mixed cutaneous adnexal carcinoma
New York (Albany Medical Center) - Chondroid syringoma
New York (SUNY Downstate Medical Center) - Chondroid syringoma (2)
New York (Westchester Medical Center) - Chondroid syringoma
Ohio (St. Elizabeth Health Center) - Eccrine poroma
Ohio (The University of Toledo) - Chondroid syringoma
Oregon (Oregon Health and Science University) - Myoepithelioma of soft tissue/mixed tumor
Pennsylvania (Conemaugh Memorial Medical Center) - Atypical mixed tumor
Pennsylvania (Drexel University College of Medicine) - Apocrine mixed tumor
Pennsylvania (Fox Chase Cancer Center) - Chondroid syringoma
Pennsylvania (Wilkes-Barre General Hospital) - Glomus tumor
Puerto Rico (University of Puerto Rico) - Chondroid syringoma
South Dakota (LCM Pathologists, PC) - Chondroid syringoma
Tennessee, Knoxville - Benign mixed tumor
Texas (Baylor University Medical Center) - Chondroid syringoma
Texas (Crystal Beach) - Fibrocartilagenous mesenchymoma
Texas, Lubbock - Mixed tumor of skin
Texas (Scott & White Memorial Hospital) - Chondroid syringoma
Wisconsin, Madison - Chondroid syringoma (mixed tumor of skin)
Brazil (Federal University of Sao Paulo) - Chondroid syringoma
Canada (Pasqua Medical Center) - Mixed tumor
Canada (University of Sherbrooke) - Chondroid syringoma
Japan (Asahi General Hospital) - Malignant mixed tumor
Japan (Shizuoka Tokushukai Hospital) - Cutaneous mixed tumor
Spain (Povisa Medical Center) - Chondroid syringoma

Case 1 - Diagnosis:

Chondroid syringoma, toe
T-56000, M-89400

Case 1 - References:

Takahashi H, Ishiko A, Kobayashi M, et al. Malignant Chondroid Syringoma with Bone Invasion. A Case Report and Review of the Literature. *Am J Dermatopathol* 2004; 26(5):403-406.
Ferreiro JA and Nascimento AG. Hyaline-Cell Rich Chondroid Syringoma. A Tumor Mimicking Malignancy. *Am J Surg Pathol* 1995; 19(8):912-917.
Barreto CA, Lipton MN, Smith HB, et al. Intraosseous Chondroid Syringoma of the Hallux. *J Am Acad Dermatol* 1994; 30(2 Pt2):374-384.
Toback TG and Toback CJ. Chondroid Syringoma. A Review of the Literature and Case Report. *J Am Podiatr Med Assoc* 1989; 79(11):563-565.
Potter GK, Baldinger HG and Boxer MC. Chondroid Syringoma in a Toe. *Cutis* 1982; 30(3):339-341.

Glendale - Metastatic squamous cell carcinoma
Orinda (Kaiser Permanente) - Lymphoepithelial carcinoma
Sacramento (UCDMC) - Metastatic poorly differentiated squamous cell carcinoma
San Diego (Naval Medical Center San Diego) - Cystic metastatic squamous cell carcinoma
Alabama (Cunningham Pathology) - Metastatic papillary carcinoma
Florida (Naples Pathology Associates) - Papillary squamous cell carcinoma
Georgia, Decatur - Cystic squamous cell carcinoma
Illinois (Heartland Regional Medical Center) - Metastatic papillary squamous carcinoma
Illinois (Loyola University of Chicago) - Papillary squamous cell carcinoma
Kansas (Coffeyville Regional Medical Center) - Poorly differentiated squamous cell carcinoma (branchial cleft vs ?)
Kansas (Peterson Laboratory Services) - Branchial cleft cyst with malignant transformation
Louisiana (LSUHSC) - Papillary squamous cell carcinoma
Michigan (Henry Ford Hospital) - Squamous cell carcinoma possibly arising from branchial cleft cyst
Michigan (Pinkus Dermatopathology Laboratory) - Metastatic papillary urothelial carcinoma
Michigan (St. Mary's Mercy) - Metastatic urothelial carcinoma
New York (Albany Medical Center) - Metastatic cystic squamous cell carcinoma
New York (SUNY Downstate Medical Center) - Metastatic squamous cell carcinoma (1); Basaloid squamous cell carcinoma (1)
New York (Westchester Medical Center) - Metastatic nasopharyngeal carcinoma
Ohio (St. Elizabeth Health Center) - Poorly differentiated squamous cell carcinoma, metastatic
Ohio (The University of Toledo) - Cystic squamous cell carcinoma
Oregon (Oregon Health and Science University) - Squamous cell carcinoma arising in brachial cleft cyst vs scc met to lymph node vs. nasopharyngeal carcinoma
Pennsylvania (Conemaugh Memorial Medical Center) - Papillary basaloid carcinoma
Pennsylvania (Drexel University College of Medicine) - Metastatic nasopharyngeal carcinoma
Pennsylvania (Fox Chase Cancer Center) - Metastatic squamous cell carcinoma
Pennsylvania (Wilkes-Barre General Hospital) - Poorly differentiated squamous cell carcinoma
Puerto Rico (University of Puerto Rico) - Squamous cell carcinoma, non keratinizing, arising in a branchial cleft cyst
South Dakota (LCM Pathologists, PC) - Metastatic nasopharyngeal carcinoma
Tennessee, Knoxville - Non-keratinizing squamous cell carcinoma
Texas (Baylor University Medical Center) - Cystic metastatic squamous cell carcinoma
Texas (Crystal Beach) - Transitional cell carcinoma
Texas, Lubbock - Metastatic papillary urothelial carcinoma
Texas (Scott & White Memorial Hospital) - Metastatic squamous cell carcinoma
Wisconsin, Madison - Basaloid carcinoma
Brazil (Federal University of Sao Paulo) - High grade urothelial carcinoma metastatic
Canada (Pasqua Medical Center) - Metastatic squamous cell carcinoma
Canada (University of Sherbrooke) - Embryonal cyst with urothelial papillary carcinoma
Japan (Asahi General Hospital) - Papillary squamous cell carcinoma
Japan (Shizuoka Tokushukai Hospital) - Lymphoepithelial-like carcinoma
Spain (Povisa Medical Center) - Metastatic papillary/transitional squamous cell carcinoma

Case 2 - Diagnosis:

Well-differentiated verruciform squamous carcinoma apparently arising in a branchial cleft cyst, left neck
 T-Y0600, M-80513

Case 2 - References:

Metastatic Squamous Carcinoma Presenting as a Neck Cyst. Differential Diagnosis from Inflamed Branchial Cleft Cyst in Fine Needle Aspirates. Burgess KL, et al. *Acta Cytol* 1993.
 Branchiogenic Carcinoma-Conceptual or True Clinicopathological Entity? Jereczek-Fossa BA, Casadio C, Jassem J, et al. *Cancer Treat Rev* 2005; 31(2):106-114.
 Cystic Lymph Node Metastases of Head and Neck Squamous Cell Carcinoma. Pitfalls and Controversies. Mallet Y, Lallemand B, Robin YM, et al. *Oral Oncol* 2005; 41(4):429-434.
 Branchiogenic Squamous Cell Carcinoma. A Case Report. Lin YC, Fang SY and Huang RH. *Int J Oral Maxillofac Surg* 2004; 33(2):209-212.

Squamous Cell Carcinoma Arising in a Second Branchial Cleft Cyst. Girvigian MR, Rechdouni AK, Zeger GD, et al.
Am J Clin Oncol 2004; 27(1):96-100.

Case No. 3, Accession No. 30866

January 2009

Glendale - Infiltrating ductal carcinoma with micropapillary features
Orinda (Kaiser Permanente) - Invasive ductal carcinoma
Sacramento (UCDMC) - Micropapillary carcinoma
San Diego (Naval Medical Center San Diego) - Invasive micropapillary carcinoma
Alabama (Cunningham Pathology) - Invasive ductal carcinoma
Florida (Naples Pathology Associates) - Invasive ductal carcinoma
Georgia, Decatur - Invasive ductal carcinoma
Illinois (Heartland Regional Medical Center) - Invasive ductal carcinoma, grade 3
Illinois (Loyola University of Chicago) - Infiltrating ductal carcinoma
Kansas (Coffeyville Regional Medical Center) - Infiltrating ductal carcinoma
Kansas (Peterson Laboratory Services) - Invasive micropapillary carcinoma
Louisiana (LSUHSC) - Poorly differentiated adenocarcinoma
Michigan (Henry Ford Hospital) - Invasive ductal carcinoma, micropapillary type
Michigan (Pinkus Dermatopathology Laboratory) - Infiltrating ductal carcinoma
Michigan (St. Mary's Mercy) - Invasive ductal breast carcinoma
New York (Albany Medical Center) - Invasive ductal carcinoma
New York (SUNY Downstate Medical Center) - Infiltrating ductal carcinoma (1); Micropapillary carcinoma of breast (1)
New York (Westchester Medical Center) - Ductal carcinoma
Ohio (St. Elizabeth Health Center) - Infiltrating ductal carcinoma of breast, moderately differentiated
Ohio (The University of Toledo) - Invasive ductal carcinoma
Oregon (Oregon Health and Science University) - Ductal carcinoma, modified B-R grade 3 of 3
Pennsylvania (Conemaugh Memorial Medical Center) - Poorly differentiated ductal carcinoma
Pennsylvania (Drexel University College of Medicine) - Invasive micropapillary carcinoma of breast
Pennsylvania (Fox Chase Cancer Center) - Invasive ductal carcinoma
Pennsylvania (Wilkes-Barre General Hospital) - Invasive ductal carcinoma with micropapillary features
Puerto Rico (University of Puerto Rico) - Invasive duct cell carcinoma, NOS, grade 3 (Elston Ellis), in-situ duct cell carcinoma small component
South Dakota (LCM Pathologists, PC) - Invasive ductal carcinoma
Tennessee, Knoxville - Invasive ductal carcinoma
Texas (Baylor University Medical Center) - Infiltrating ductal carcinoma of breast
Texas (Crystal Beach) - Papillary carcinoma of old age group
Texas, Lubbock - Infiltrating ductal carcinoma
Texas (Scott & White Memorial Hospital) - Invasive duct carcinoma
Wisconsin, Madison - Infiltrating ductal carcinoma
Brazil (Federal University of Sao Paulo) - Micropapillary carcinoma
Canada (Pasqua Medical Center) - Invasive duct carcinoma
Canada (University of Sherbrooke) - Ductal invasive carcinoma
Japan (Asashi General Hospital) - Invasive ductal carcinoma
Japan (Shizuoka Tokushukai Hospital) - Invasive apocrine carcinoma
Spain (Povisa Medical Center) - Invasive ductal carcinoma

Case 3 - Diagnosis:

Invasive ductal carcinoma, breast
T-04000, M-85003

Case 3 - References:

- Stevens E, Kimler BF, Davis MK, et al. A Newly Proposed Semi-Automated Method of Grading Invasive Lobular Carcinoma. A Unifying Concept and Correlation with Prognostic Markers and Patient Survival. Stevens E, Kimler BF, Davis MK, et al. *Ann Clin Lab Sci* 2009; 39(1):25-31.
- Krishnamurthy S, Meric-Bernstam F, Lucci A, et al. A Prospective Study Comparing Touch Imprint Cytology, Frozen Section Analysis, and Rapid Cytokeratin Immunostain for Intraoperative Evaluation of Axillary Sentinel Lymph Nodes in Breast Cancer. *Cancer* 2009.
- Cuan Martinez JR, Mainero Ratchelous FE, Aguilar Gallegos IU, et al. Comparative Study of Clinical and Pathological Features of Breast Cancer in Women With 40 Years old and Younger vs. 70 Years Old and Older. *Gynecol Obstet Mex* 2008; 76(6):299-306.
- Doyle B, Al-Mudhaffer M, Kennedy MM, et al. Sentinel Lymph Node Biopsy in Patients with a Needle Core Biopsy Diagnosis of DCIS-Is It Justified? *J Clin Pathol* 2009; Feb 9.
- Rudloff U, Brogi E, Brockway JP, et al. Concurrent Lobular Neoplasia Increases the Risk of Ipsilateral Breast Cancer Recurrence in Patients with Ductal Carcinoma In Situ Treated with Breast-Conserving Therapy. *Cancer* 2009; Jan 23.

Case No. 4, Accession No. 30930

January 2009

Glendale - Dysgerminoma
Orinda (Kaiser Permanente) - Dysgerminoma
Sacramento (UCDMC) - Dysgerminoma
San Diego (Naval Medical Center San Diego) - Dysgerminoma
Alabama (Cunningham Pathology) - Dysgerminoma
Florida (Naples Pathology Associates) - Dysgerminoma
Georgia, Decatur - Dysgerminoma
Illinois (Heartland Regional Medical Center) - Dysgerminoma
Illinois (Loyola University of Chicago) - Dysgerminoma
Kansas (Coffeyville Regional Medical Center) - Dysgerminoma
Kansas (Peterson Laboratory Services) - Dysgerminoma
Louisiana (LSUHSC) - Dysgerminoma
Michigan (Henry Ford Hospital) - Dysgerminoma
Michigan (Pinkus Dermatopathology Laboratory) - Dysgerminoma
Michigan (St. Mary's Mercy) - Dysgerminoma
New York (Albany Medical Center) - Dysgerminoma
New York (SUNY Downstate Medical Center) - Dysgerminoma (2)
New York (Westchester Medical Center) - Dysgerminoma
Ohio (St. Elizabeth Health Center) - Dysgerminoma (ovary)
Ohio (The University of Toledo) - Dysgerminoma
Oregon (Oregon Health and Science University) - Dysgerminoma
Pennsylvania (Conemaugh Memorial Medical Center) - Dysgerminoma
Pennsylvania (Drexel University College of Medicine) - Dysgerminoma
Pennsylvania (Fox Chase Cancer Center) - Dysgerminoma
Pennsylvania (Wilkes-Barre General Hospital) - Dysgerminoma
Puerto Rico (University of Puerto Rico) - Dysgerminoma
South Dakota (LCM Pathologists, PC) - Dysgerminoma
Tennessee, Knoxville - Dysgerminoma
Texas (Baylor University Medical Center) - Dysgerminoma
Texas (Crystal Beach) - Germinoma
Texas, Lubbock - Dysgerminoma
Texas (Scott & White Memorial Hospital) - Dysgerminoma
Wisconsin, Madison - Dysgerminoma
Brazil (Federal University of Sao Paulo) - Dysgerminoma
Canada (Pasqua Medical Center) - Dysgerminoma
Canada (University of Sherbrooke) - Dysgerminoma
Japan (Asahi General Hospital) - Dysgerminoma

Japan (Shizuoka Tokushukai Hospital) - Dysgerminoma
Spain (Povisa Medical Center) - Dysgerminoma

Case 4 - Diagnosis:

Dysgerminoma, oviduct and ovary
T-87000, M-90603

Case 4 - References:

Topuz S, Lyibozhurt AC, Akhan SE, et al. Malignant Germ Cell Tumors of the Ovary. A Review of 41 Cases and Risk Factors For Recurrence. *Eur J Gynaecol Oncol* 2008; 29(6):635-637.
Baker P and Oliva E. A Practical Approach to Intraoperative Consultation in Gynecological Pathology. *Int J Gynecol Pathol* 2008; 27(3):353-365.
Pectasides D, Pectasides E and Kassanos D. Germ Cell Tumors of the Ovary. *Cancer Treat Rev* 2008; 34(5):427-441.
Ohta Y, Suzuki T, Ikeda K, et al. A Case of Dysgerminoma of the Ovary with Early Carcinomatous Features. *Histopathol* 2007; 51(2):269-271.
Behtash N and Karimi Zarchi M. Dysgerminoma in Three Patients with Sawyer Syndrome. *World J Surg Oncol* 2007; 23; 5:71.

Case No. 5, Accession No. 30926

January 2009

Glendale - Metastatic signet ring cell carcinoma
Orinda (Kaiser Permanente) - Krukenberg tumor
Sacramento (UCDMC) - Krukenberg tumor
San Diego (Naval Medical Center San Diego) - Krukenberg tumor (metastatic signet ring cell carcinoma)
Alabama (Cunningham Pathology) - Metastatic signet ring carcinoma
Florida (Naples Pathology Associates) - Krukenberg tumor (metastatic signet ring cell carcinoma)
Georgia, Decatur - Krukenberg tumor
Illinois (Heartland Regional Medical Center) - Signet ring cell adenocarcinoma (Krukenberg tumor)
Illinois (Loyola University of Chicago) - Krukenberg tumor
Kansas (Coffeyville Regional Medical Center) - Krukenberg tumor
Kansas (Peterson Laboratory Services) - Signet ring carcinoma, metastatic
Louisiana (LSUHSC) - Krukenberg tumor
Michigan (Henry Ford Hospital) - Signet ring cell adenocarcinoma, metastatic
Michigan (Pinkus Dermatopathology Laboratory) - Signet ring adenocarcinoma
Michigan (St. Mary's Mercy) - Krukenberg tumor
New York (Albany Medical Center) - Krukenberg tumor
New York (SUNY Downstate Medical Center) - Metastatic signet ring cell carcinoma (Krukenberg tumor) (2)
New York (Westchester Medical Center) - Signet ring cell carcinoma
Ohio (St. Elizabeth Health Center) - Metastatic adenocarcinoma (ovary), GI primary
Ohio (The University of Toledo) - Signet ring carcinoma
Oregon (Oregon Health and Science University) - Signet ring adenocarcinoma (Krukenberg tumor)
Pennsylvania (Conemaugh Memorial Medical Center) - Signet ring carcinoma
Pennsylvania (Drexel University College of Medicine) - Krukenberg tumor
Pennsylvania (Fox Chase Cancer Center) - Krukenberg tumor (metastatic signet-ring adenocarcinoma)
Pennsylvania (Wilkes-Barre General Hospital) - Signet ring cell carcinoma, ovary
Puerto Rico (University of Puerto Rico) - Metastatic signet ring cell carcinoma (Krukenberg tumor)
South Dakota (LCM Pathologists, PC) - Krukenberg tumor (metastatic signet ring cell carcinoma)
Tennessee, Knoxville - Signet ring cell carcinoma
Texas (Baylor University Medical Center) - Metastatic signet ring cell carcinoma (Krukenberg tumors)
Texas (Crystal Beach) - Mucinous signet ring and spindle adenocarcinoma, metastatic (possibly Krukenberg)
Texas, Lubbock - Metastatic signet ring cell carcinoma
Texas (Scott & White Memorial Hospital) - Metastatic signet ring cell carcinoma
Wisconsin, Madison - Metastatic signet ring cell carcinoma (Krukenberg tumor)
Brazil (Federal University of Sao Paulo) - Krukenberg tumor
Canada (Pasqua Medical Center) - Krukenberg tumor
Canada (University of Sherbrooke) - Krukenberg tumor
Japan (Asashi General Hospital) - Krukenberg tumor

Japan (Shizuoka Tokushukai Hospital) - Krukenberg tumor
Spain (Povisa Medical Center) - Signet ring cell carcinoma (Krukenberg)

Case 5 - Diagnosis:

Metastatic signet ring adenocarcinoma, bilateral ovaries (Krukenberg tumors)
T-87000, M-84906

Case 5 - References:

McCluggage WG and Young RH. Primary Ovarian Mucinous Tumors with Signet Ring Cells. Report of 3 Cases with Discussion of So-Called Primary Krukenberg Tumor. *Am J Surg Pathol* 2008; 32(9):1373-1379.
Jiang R, Tang J, Cheng X, et al. Surgical Treatment For Patients with Different Origins of Krukenberg Tumors. Outcomes and Prognostic Factors. *Eur J Surg Oncol* 2009; 35(1):92-97.
Young RH. From Krukenberg to Today. The Ever Present Problems Posed By Metastatic Tumors in the Ovary. Part II. *Adv Anat Pathol* 2007; 14(3):149-177.
Lerwill MF and Young RH. Ovarian Metastases of Intestinal-Type Gastric Carcinoma. A Clinicopathologic Study of 4 Cases with Contrasting Features to Those of the Krukenberg Tumor. *Am J Surg Pathol* 2006; 30(11):1382-1388.
Kiyokawa T, Young RH and Scully RE. Krukenberg Tumors of the Ovary. A Clinicopathologic Analysis of 120 Cases with Emphasis on their Variable Pathologic Manifestations. *Am J Surg Pathol* 2006; 30(3):277-299.

Case No. 6, Accession No. 30896

January 2009

Glendale - Clear cell carcinoma
Orinda (Kaiser Permanente) - Clear cell carcinoma
Sacramento (UCDMC) - Clear cell carcinoma
San Diego (Naval Medical Center San Diego) - Clear cell adenocarcinoma
Alabama (Cunningham Pathology) - Clear cell carcinoma
Florida (Naples Pathology Associates) - Clear cell carcinoma
Georgia, Decatur - Clear cell carcinoma
Illinois (Heartland Regional Medical Center) - Clear cell carcinoma
Illinois (Loyola University of Chicago) - Clear cell carcinoma
Kansas (Coffeyville Regional Medical Center) - Clear cell carcinoma
Kansas (Peterson Laboratory Services) - Clear cell carcinoma
Louisiana (LSUHSC) - Clear cell carcinoma
Michigan (Henry Ford Hospital) - Clear cell adenocarcinoma of the ovary
Michigan (Pinkus Dermatopathology Laboratory) - Clear cell adenocarcinoma
Michigan (St. Mary's Mercy) - Clear cell carcinoma, high grade
New York (Albany Medical Center) - Clear cell adenocarcinoma
New York (SUNY Downstate Medical Center) - Clear cell carcinoma of ovary (2)
New York (Westchester Medical Center) - Clear cell carcinoma
Ohio (St. Elizabeth Health Center) - Clear cell carcinoma of ovary
Ohio (The University of Toledo) - Clear cell carcinoma
Oregon (Oregon Health and Science University) - Clear cell carcinoma
Pennsylvania (Conemaugh Memorial Medical Center) - Clear cell carcinoma
Pennsylvania (Drexel University College of Medicine) - Clear cell carcinoma of the ovary
Pennsylvania (Fox Chase Cancer Center) - Clear cell adenocarcinoma of ovary
Pennsylvania (Wilkes-Barre General Hospital) - Clear cell carcinoma, ovary
Puerto Rico (University of Puerto Rico) - Clear cell adenocarcinoma of ovary
South Dakota (LCM Pathologists, PC) - Clear cell carcinoma
Tennessee, Knoxville - Clear cell carcinoma
Texas (Baylor University Medical Center) - Clear cell carcinoma of ovary
Texas (Crystal Beach) - Sertoli Leydig cell tumor
Texas, Lubbock - Clear cell carcinoma
Texas (Scott & White Memorial Hospital) - Clear cell carcinoma
Wisconsin, Madison - Clear cell carcinoma
Brazil (Federal University of Sao Paulo) - Clear cell adenocarcinoma
Canada (Pasqua Medical Center) - Clear cell carcinoma and borderline

Canada (University of Sherbrooke) - Clear cell carcinoma
Japan (Asashi General Hospital) - Clear cell carcinoma
Japan (Shizuoka Tokushukai Hospital) - Clear cell carcinoma
Spain (Povisa Medical Center) - Clear cell carcinoma of ovary

Case 6- Diagnosis:

Clear cell adenocarcinoma, ovary
T-87000, M-81403

Case 6 - References:

Rye SY, Park SI, Nam BH, et al. Prognostic Significance of Histological Grade In Clear-Cell Carcinoma of the Ovary. A Retrospective Study of Korean Gynecologic Oncology Group. *Ann Oncol* 2009; Feb 4.
Choudhury M, Pujani M, Singh SK, et al. Oxyphilic Clear Cell Carcinoma Ovary. *J Postgrad Med* 2008; 54(4):326-327.
Kobel M, Kalloger SE, Carrick J, et al. A Limited Panel of Immunomarkers Can Reliably Distinguish Between Clear Cell and High-Grade Serous Carcinoma of the Ovary. *Am J Surg Pathol* 2009; 33(1):14-21.
Stewart CJ, Brennan BA, Hammond IG, et al. Intraoperative Assessment of Clear Cell Carcinoma of the Ovary. *Int J Gynecol Pathol* 2008; 27(4):475-482.
Gokden N, Gokden M, Phan DC, et al. The Utility of PAX-2 in Distinguishing Metastatic Clear Cell Renal Cell Carcinoma from its Morphologic Mimics. An Immunohistochemical Study with Comparison to Renal Cell Carcinoma Marker. *Am J Surg Pathol* 2008; 32(10):1462-1467.

Case No. 7, Accession No. 30874

January 2009

Glendale - High-grade carcinoma
Orinda (Kaiser Permanente) - Undifferentiated carcinoma vs. serous carcinoma
Sacramento (UCDMC) - Undifferentiated carcinoma
San Diego (Naval Medical Center San Diego) - Serous adenocarcinoma, fallopian tube
Alabama (Cunningham Pathology) - Invasive high grade serous carcinoma
Florida (Naples Pathology Associates) - Fallopian tube adenocarcinoma
Georgia, Decatur - Papillary serous carcinoma
Illinois (Heartland Regional Medical Center) - Adenocarcinoma, poorly differentiated
Illinois (Loyola University of Chicago) - Papillary serous carcinoma
Kansas (Coffeyville Regional Medical Center) - Broad ligament tumor of probable Wolffian origin
Kansas (Peterson Laboratory Services) - Poorly differentiated tubal serous carcinoma
Louisiana (LSUHSC) - Poorly differentiated adenocarcinoma
Michigan (Henry Ford Hospital) - Poorly differentiated serous adenocarcinoma
Michigan (Pinkus Dermatopathology Laboratory) - Poorly differential adenocarcinoma
Michigan (St. Mary's Mercy) - Tubal serous carcinoma
New York (Albany Medical Center) - High grade serous carcinoma
New York (SUNY Downstate Medical Center) - Serous carcinoma of fallopian tube (1); High grade carcinoma (1)
New York (Westchester Medical Center) - Atypical carcinoid
Ohio (St. Elizabeth Health Center) - Fallopian tube carcinoma, invasive (undifferentiated vs. poorly differentiated type)
Ohio (The University of Toledo) - Serous carcinoma
Oregon (Oregon Health and Science University) - Undifferentiated carcinoma of the fallopian tube vs. metastatic high grade neuroendocrine carcinoma
Pennsylvania (Conemaugh Memorial Medical Center) - Serous carcinoma, poorly differentiated
Pennsylvania (Drexel University College of Medicine) - Serous papillary carcinoma of the fallopian tube
Pennsylvania (Fox Chase Cancer Center) - High grade serous carcinoma of fallopian tube
Pennsylvania (Wilkes-Barre General Hospital) - Papillary serous carcinoma, fallopian tube
Puerto Rico (University of Puerto Rico) - Undifferentiated carcinoma of fallopian tube
South Dakota (LCM Pathologists, PC) - Poorly differentiated neoplasm, favor metastatic
Tennessee, Knoxville - Undifferentiated carcinoma
Texas (Baylor University Medical Center) - High grade serous adenocarcinoma, probably fallopian tube
Texas (Crystal Beach) - Adenocarcinoma, fallopian tube
Texas, Lubbock - Adenocarcinoma

Texas (Scott & White Memorial Hospital) - Adenocarcinoma
Wisconsin, Madison - Poorly differentiated adenocarcinoma
Brazil (Federal University of Sao Paulo) - Serous carcinoma
Canada (Pasqua Medical Center) - Serous carcinoma
Canada (University of Sherbrooke) - Seropapillary carcinoma
Japan (Asashi General Hospital) - Endometrioid adenocarcinoma, oviduct
Japan (Shizuoka Tokushukai Hospital) - Endometrioid adenocarcinoma
Spain (Povisa Medical Center) - Undifferentiated carcinoma

Case 7 - Diagnosis:

Poorly differentiated carcinoma, oviduct
T-86100, M-80103

Case 7 - References:

Panda S, Patnaik A and Mishra B. Primary Carcinoma of the Fallopian Tube-A Case Report. *J Indian Med Assoc* 2008; 106(7):460-461.
Yogiraj SS, Vasantrao KP and Ranganthrao SB. Fallopian Tube Carcinoma. *Indian J Pathol Microbiol* 2008; 51(2):261-262.
Lin CK, Chang CC, Pan SH, et al. Primary Fallopian Tube Cancer May Mimic Endometrial Malignancy. *Taiwan J Obstet Gynecol* 2008; 47(2):218-219.
Salvador S, Rempel A, Soslow RA, Gilks B, et al. Chromosomal Instability in Fallopian Tube Precursor Lesions of Serous Carcinoma and Frequent Monoclonality of Synchronous Ovarian and Fallopian Tube Mucosal Serous Carcinoma. *Gynecol Oncol* 2008 110(3):408-417.

Case No. 8, Accession No. 30931

January 2009

Glendale - GIST

Orinda (Kaiser Permanente) - Gastrointestinal stromal tumor

Sacramento (UCDMC) - Gastrointestinal stromal tumor

San Diego (Naval Medical Center San Diego) - Gastrointestinal stromal tumor (GIST)

Alabama (Cunningham Pathology) - GIST

Florida (Naples Pathology Associates) - Gastrointestinal stromal tumor

Georgia, Decatur - Gastrointestinal stromal tumor, probably malignant

Illinois (Heartland Regional Medical Center) - GIST (moderate risk of aggressive behavior)

Illinois (Loyola University of Chicago) - Gastrointestinal stromal tumor

Kansas (Coffeyville Regional Medical Center) - GIST

Kansas (Peterson Laboratory Services) - GIST

Louisiana (LSUHSC) - Gastrointestinal stromal tumor

Michigan (Henry Ford Hospital) - Gastrointestinal stromal tumor

Michigan (Pinkus Dermatopathology Laboratory) - Gastrointestinal stromal tumor (GIST)

Michigan (St. Mary's Mercy) - Gastrointestinal stromal tumor

New York (Albany Medical Center) - GIST, low risk

New York (SUNY Downstate Medical Center) - GIST (2)

New York (Westchester Medical Center) - Gastrointestinal stromal tumor (GIST), moderate risk for aggressive behavior

Ohio (St. Elizabeth Health Center) - Small intestine GIST

Ohio (The University of Toledo) - GIST

Oregon (Oregon Health and Science University) - Gastrointestinal stromal tumor

Pennsylvania (Conemaugh Memorial Medical Center) - GIST

Pennsylvania (Drexel University College of Medicine) - GIST

Pennsylvania (Fox Chase Cancer Center) - GIST

Pennsylvania (Wilkes-Barre General Hospital) - GIST with aggressive features

Puerto Rico (University of Puerto Rico) - Gastrointestinal stromal tumor, benign

South Dakota (LCM Pathologists, PC) - GIST

Tennessee, Knoxville - Gastrointestinal stromal tumor

Texas (Baylor University Medical Center) - Gastrointestinal stromal tumor

Texas (Crystal Beach) - Gastrointestinal stromal tumor

Texas, Lubbock - Gastrointestinal stromal tumor
Texas (Scott & White Memorial Hospital) - GIST
Wisconsin, Madison - Gastrointestinal stromal tumor (GIST)
Brazil (Federal University of Sao Paulo) - Gastrointestinal stromal tumor (GIST)
Canada (Pasqua Medical Center) - GIST
Canada (University of Sherbrooke) - GIST
Japan (Asashi General Hospital) - Gastrointestinal stromal tumor
Japan (Shizuoka Tokushukai Hospital) - GIST
Spain (Povisa Medical Center) - Intermediate risk GIST

Case 8 - Diagnosis:

Gastrointestinal stromal tumor (GIST), jejunum
 T-65100, M-96103

Case 8 - References:

Matsui N, Akahoshi K, Motomura Y, et al. Endosonographic Detection of Dumbbell-Shaped Jejunal GIST Using Double Balloon Enteroscopy. *Endoscopy* 2008; Suppl 2:E38-39.
 Baltran MA and Cruces KS. Primary Tumors of Jejunum and Ileum as a Cause of Intestinal Obstruction. A Case Control Study. *Int J Surg* 2007; 5(3):183-191.
 Kinoshita K, Hirota S, Isozaki K, et al. Characterization of Tyrosine Kinase I Domain C-Kit Gene Mutation Asn55Lys Newly Found in Primary Jejunal Gastrointestinal Stromal Tumor. *Am J Gastroenterol* 2007; 102(5):1134-1136.
 Eaberts JH, Scharrer ML, Hinz S, et al. Small Bowel Cancer. Single-Centre Results Over a Period of 12 Years. *Hepatogastroenterology* 2007; 54(73):129-134.
 Zachaus M, Plotner A, Weimann A, et al. Multiple Gastrointestinal Stromal Tumors in Neurofibromatosis Type 1. *Med Klin (Munich)* 2007; 102(2):163-167. German

Case No. 9, Accession No. 30907

January 2009

Glendale - GIST
Orinda (Kaiser Permanente) - Gastrointestinal stromal tumor
Sacramento (UCDMC) - Gastrointestinal stromal tumor, epithelioid sarcoma type
San Diego (Naval Medical Center San Diego) - Gastrointestinal stromal tumor (GIST)
Alabama (Cunningham Pathology) - GIST, malignant
Florida (Naples Pathology Associates) - Gastrointestinal stromal tumor
Georgia, Decatur - Gastrointestinal stromal tumor, probably malignant
Illinois (Heartland Regional Medical Center) - GIST (moderate risk of aggressive behavior)
Illinois (Loyola University of Chicago) - Gastrointestinal stromal tumor, high-risk
Kansas (Coffeyville Regional Medical Center) - GIST
Kansas (Peterson Laboratory Services) - GIST
Louisiana (LSUHSC) - GIST, high risk of malignant potential
Michigan (Henry Ford Hospital) - Gastrointestinal stromal tumor
Michigan (Pinkus Dermatopathology Laboratory) - Gastrointestinal stromal tumor (GIST)
Michigan (St. Mary's Mercy) - Gastrointestinal stromal tumor
New York (Albany Medical Center) - GIST, high risk
New York (SUNY Downstate Medical Center) - High grade GIST (2)
New York (Westchester Medical Center) - Gastrointestinal stromal tumor (GIST), high risk for aggressive behavior
Ohio (St. Elizabeth Health Center) - Malignant GIST (stomach)
Ohio (The University of Toledo) - GIST
Oregon (Oregon Health and Science University) - Gastrointestinal stromal tumor
Pennsylvania (Conemaugh Memorial Medical Center) - GIST
Pennsylvania (Drexel University College of Medicine) - GIST
Pennsylvania (Fox Chase Cancer Center) - GIST
Pennsylvania (Wilkes-Barre General Hospital) - GIST with aggressive features
Puerto Rico (University of Puerto Rico) - Gastrointestinal stromal tumor of low grade malignancy
South Dakota (LCM Pathologists, PC) - GIST
Tennessee, Knoxville - Gastrointestinal stromal tumor

Texas (Baylor University Medical Center) - Gastrointestinal stromal tumor, high risk
Texas (Crystal Beach) - Stromal tumor (gastrointestinal possible)
Texas, Lubbock - Gastrointestinal stromal tumor
Texas (Scott & White Memorial Hospital) - GIST
Wisconsin, Madison - Gastrointestinal stromal tumor (GIST)
Brazil (Federal University of Sao Paulo) - Gastrointestinal stromal tumor (GIST)
Canada (Pasqua Medical Center) - GIST malignant
Canada (University of Sherbrooke) - GIST
Japan (Asashi General Hospital) - Gastrointestinal stromal tumor
Japan (Shizuoka Tokushukai Hospital) - GIST
Spain (Povisa Medical Center) - Low risk (GIST)

Case 9 - Diagnosis:

Malignant gastrointestinal stromal tumor (GIST), stomach
 T-56000, M-96103

Case 9 - References:

(See Case #8)

Case No. 10, Accession No. 30950

January 2009

Glendale - Wilms' tumor, favorable histology
Orinda (Kaiser Permanente) - Nephroblastoma (Wilms' tumor)
Sacramento (UCDMC) - Wilm's tumor
San Diego (Naval Medical Center San Diego) - Triphasic nephroblastoma (Wilm's tumor)
Alabama (Cunningham Pathology) - Wilm's tumor
Florida (Naples Pathology Associates) - Wilm's tumor
Georgia, Decatur - Wilms tumor (nephroblastoma)
Illinois (Heartland Regional Medical Center) - Nephroblastoma
Illinois (Loyola University of Chicago) - Wilm's tumor
Kansas (Coffeyville Regional Medical Center) - Nephroblastoma (Wilm's tumor)
Kansas (Peterson Laboratory Services) - Nephroblastoma
Louisiana (LSUHSC) - Wilms tumor
Michigan (Henry Ford Hospital) - Wilm's tumor
Michigan (Pinkus Dermatopathology Laboratory) - Wilm's tumor
Michigan (St. Mary's Mercy) - Nephroblastoma
New York (Albany Medical Center) - Wilm's tumor (nephroblastoma)
New York (SUNY Downstate Medical Center) - Wilms' tumor (2)
New York (Westchester Medical Center) - Wilm's tumor
Ohio (St. Elizabeth Health Center) - Wilm's tumor
Ohio (The University of Toledo) - Wilms' tumor
Oregon (Oregon Health and Science University) - Wilm's tumor-
Pennsylvania (Conemaugh Memorial Medical Center) - Wilms tumor
Pennsylvania (Drexel University College of Medicine) - Wilm's tumor
Pennsylvania (Fox Chase Cancer Center) - Wilms' tumor
Pennsylvania (Wilkes-Barre General Hospital) - Wilm's tumor
Puerto Rico (University of Puerto Rico) - Nephroblastoma with favorable histology (Wilm's tumor)
South Dakota (LCM Pathologists, PC) - Wilms tumor
Tennessee, Knoxville - Wilms tumor
Texas (Baylor University Medical Center) - Wilms' tumor
Texas (Crystal Beach) - Wilms tumor
Texas, Lubbock - Wilm's tumor
Texas (Scott & White Memorial Hospital) - Wilms' tumor
Wisconsin, Madison - Wilms' tumor
Brazil (Federal University of Sao Paulo) - Wilms' tumor

Canada (Pasqua Medical Center) - Wilm's tumor
Canada (University of Sherbrooke) - Wilm's tumor
Japan (Asashi General Hospital) - Nephroblastoma
Japan (Shizuoka Tokushukai Hospital) - Nephroblastoma
Spain (Povisa Medical Center) - Wilms tumor, nephroblastoma

Case 10 - Diagnosis:

Nephroblastoma (Wilms tumor)
T-71000, M-89603

Editors Note: Please note that the correct spelling of this tumor does not have an apostrophe. (drc)

Case 10 - References:

Gupta R, Sharma A, Arora R, et al. Stroma-Predominant Wilms Tumor with Teratoid Features. Report of a Rare Case and Review of the Literature. *Pediatr Surg Int* 2009; Jan 29.
Seo J Suh YL and Choi HY. Adult Teratoid Wilms Tumor with Prominent Neuroepithelial Differentiation. *Pathol Int* 2009; 59(1):44-48.
Taran K, Kobos J and Sporny S. Examination of Expression of WT-1 Gene Product and CD44 Adhesive Molecule in Nephroblastoma Histologic Types. *Pol J Pathol* 2008; 59(3):177-182.
Scholz H, Wagner, KD and Wagner N. Role of the Wilms Tumour Transcription Factor, Wt1, in Blood Vessel Formation. *Pflugers Arch* 2008; Dec 4.