



CALIFORNIA
TUMOR TISSUE REGISTRY

GENERAL PATHOLOGY

Minutes – Subscription A

May, 2008



SUGGESTED READING (General Topics from Recent Literature):

Affirming the Right to Care, Preserving the Right to Die. Disorders of Consciousness and Neuroethics after Schiavo. Fins JJ. *Palliat Support Care* 2006; 4:169-178.

Medical Futility in Fins JJ. Sudbury MA. A Palliative Ethic of Care. *Clinical Wisdom at Life's End*. 2006;77-90.

The International Society for Stem Cell Research (ISSCR). Frequently Asked Questions About Stem Cell Research.

The Ethical Limits in Expanding Living Donor Transplantation. Ross LF. *Kennedy Inst Ethics J* 2006; 16:151-172.

Ethical, Legal, and Social Implications of Genomic Medicine. Clayton EW. *N Engl J Med* 2003; 349:562-569.

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FILE DIAGNOSES

CTTR Subscription A

May 2008

Case 1:

Pheochromocytoma, adrenal
T-77100, M-87000

Case 2:

Chondromyxoid fibroma, rib
T-28000, M-92410

Case 3:

Diffuse large B-cell lymphoma, omentum
T-63850, M-95903

Case 4:

Epithelioid GIST, probably metastatic, back
T-Y1100, M-96103

Case 5:

Warthin's tumor, parotid
T-55100, M-84610

Case 6:

Salivary duct Carcinoma, parotid
T-55100, M-80103

Case 7:

Granulosa cell tumor (adult type), ovary
T-87000, M-86201

Case 8:

Myxoid liposarcoma, buttock
T-Y1600, M-88523

Case 9:

Myxoid leiomyosarcoma, sigmoid colon region and mesentery
T-64200, M-88903

Case 10:

Chromophobe carcinoma, kidney
T-71000, M-83123

Alameda (Alameda County Medical Center) - Pheochromocytoma
Arcadia (ABC Laboratories) - Pheochromocytoma
Fontana (Kaiser Permanente) - Pheochromocytoma
Glendale - Pheochromocytoma
Las Vegas (Sunrise Hospital) - Pheochromocytoma
Long Beach (Long Beach Veterans Hospital) - Pheochromocytoma
Long Beach (Veterans Long Beach) - Pheochromocytoma
Mountain View (El Camino Hospital) - Pheochromocytoma
Oakland - Pheochromocytoma
Orinda (Kaiser Permanente) - Pheochromocytoma
Oxnard (St. John's Regional Medical Center) - Pheochromocytoma
San Diego (Scripps) - Pheochromocytoma
San Diego (Naval Medical Center) - Pheochromocytoma
San Diego (UCSD) - Pheochromocytoma
San Francisco (San Francisco General Hospital) - Pheochromocytoma
Santa Barbara - Pheochromocytoma
Santa Rosa (Santa Rosa Memorial Hospital) - Pheochromocytoma (3)
Sonoma (Sonoma Valley Hospital) - Pheochromocytoma
Woodland Hills (Kaiser Permanente) - Pheochromocytoma
Alabama (Baptist Medical Center) - Pheochromocytoma
Alabama (Cunningham Pathology, LLC) - Pheochromocytoma
Alabama (UAB) - Pheochromocytoma
Colorado (Fort Collins) - Pheochromocytoma
Colorado (McKee Medical Center) - Pheochromocytoma
Georgia (Decatur) - Pheochromocytoma
Georgia (Oconee Regional Medical Center) - Adrenal cortical adenoma
Illinois (Burr Ridge) - Neuroendocrine tumor
Illinois (Oak Brook) - Pheochromocytoma
Illinois (Heartland Regional Medical Center) - Pheochromocytoma
Illinois (Loyola University Medical Center) - Pheochromocytoma, adrenal (2)
Iowa (Winneshick County Medical Hospital) - Pheochromocytoma
Indiana (St. Joseph Hospital) - Pheochromocytoma (2)
Kansas (Cytocheck Laboratory) - Pheochromocytoma (2)
Kentucky (University of Louisville Hospital) - Pheochromocytoma
Louisiana (Orleans Parish Coroner's Office) - Pheochromocytoma of adrenal gland
Maryland (Howard University Hospital) - Pheochromocytoma
Maryland (Silver Springs) - Pheochromocytoma
Massachusetts (Berkshire Medical Center) - Pheochromocytoma
Massachusetts (Tufts New England Medical Center) - Pheochromocytoma
Massachusetts (UMass Memorial Medical Center) - Pheochromocytoma
Minnesota (Fairview Ridges Hospital) - Pheochromocytoma
Missouri (Missouri Delta Medical Center) - Pheochromocytoma (functioning paraganglioma)
Nebraska (Creighton University Medical Center) - Pheochromocytoma
New Mexico, Albuquerque - Pheochromocytoma
New York (Erie County Medical Center) - Pheochromocytoma
New York, Horseheads - Pheochromocytoma
New York (Long Island Jewish Medical Center) - Pheochromocytoma
New York (St. Lukes Roosevelt Hospital) - Pheochromocytoma
New York (Stony Brook University Medical Center) - Pheochromocytoma
New York (SUNY Downstate Medical Center) - Pheochromocytoma
Ohio (Cleveland Clinic Foundation) - Pheochromocytoma
Ohio (St. Elizabeth Health Center) - Pheochromocytoma
Pennsylvania (Conemaugh Memorial Hospital) - Pheochromocytoma (2)
Pennsylvania (Drexel University College of Medicine) - Pheochromocytoma

Pennsylvania (Lehigh Valley Hospital) - Pheochromocytoma
Pennsylvania (Magee Women's Hospital) - Pheochromocytoma
Texas, Crystal Beach - Adrenal medullary hyperplasia
Texas, Lubbock - Pheochromocytoma
Texas (Scott and White Hospital) - Pheochromocytoma
Texas (St. Lukes Episcopal Hospital) - Pheochromocytoma
Texas, Victoria - Pheochromocytoma
Washington (Madigan Army Medical Center) - Pheochromocytoma
Washington (VA Puget Sound Health Care System) - Adrenal medullary neoplasia, pheochromocytoma
West Virginia (Greenbrier Valley Medical Center) - Pheochromocytoma
Wisconsin, Madison - Pheochromocytoma
Australia (Royal Hobart Hospital) - Pheochromocytoma
Canada (Pasqua Hospital) - Pheochromocytoma
Canada (University of Sherbrooke) - Pheochromocytoma
Hong Kong (Hong Kong Baptist Hospital) - Pheochromocytoma
Ireland, Dublin - Pheochromocytoma
Ireland (Kerry General Hospital) - Pheochromocytoma
Ireland (UCH Galway Residents) - Pheochromocytoma
Japan (Asashi City) - Pheochromocytoma
Japan (Kyoto University Hospital) - Pheochromocytoma
Japan (Saiseikai Maebashi Hospital) - Pheochromocytoma
Netherlands, Amstelveen - Pheochromocytoma
Oman, Azaiba - Pheochromocytoma
Saudi Arabia (King Abdulaziz Medical Center) - Pheochromocytoma
United Kingdom (John Radcliffe Hospital) - Adrenal pheochromocytoma

Case 1 - Diagnosis:

Pheochromocytoma, adrenal
 T-77100, M-87000

Case 1 - References:

Neumann Hp, Vortmeyer A, et al. Evidence of MEN-2 in the Original Description of Classic Pheochromocytoma. *N Engl J Med* 2007; 357(13):1311-1315.
 Lee JA, Zarnegar R, Shen WT, et al. Adrenal Incidentaloma, Borderline Elevations of Urine or Plasma Metanephrine Levels, and the "Subclinical" Pheochromocytoma. *Arch Surg* 2007; 142(9):870-873.
 Dahia PL. Evolving Concepts in Pheochromocytoma and Paraganglioma. *Curr Opin Oncol* 2006; 18(1):1-8.
 Majic T and Aiyagari V. Cerebrovascular Manifestations of Pheochromocytoma and the Implications of a Missed Diagnosis. *Neurocrit Care* 2008; 29.
 Eisenhofer G, Siegert G, Kotzerke J, et al. Current Progress and Future Challenges in the Biochemical Diagnosis and Treatment of Pheochromocytomas and Paragangliomas. *Horm Metab Res* 2008; 40(5):329-337.

Case No. 2, Accession No. 30636

May 2008

Alameda (Alameda County Medical Center) - Chondromyxoid tumor
Arcadia (ABC Laboratories) - Chondroma
Fontana (Kaiser Permanente) - Chondroma
Glendale - Chondromyxoid fibroma
Las Vegas (Sunrise Hospital) - Myxoid liposarcoma
Long Beach (Long Beach Veterans Hospital) - Myxoid chondrosarcoma, low grade
Long Beach (Veterans Long Beach) - Low grade myxoid chondrosarcoma
Mountain View (El Camino Hospital) - Chondromyxoid fibroma
Oakland - Chondrosarcoma
Orinda (Kaiser Permanente) - Chondrosarcoma
Oxnard (St. John's Regional Medical Center) - Chondroma (4)
San Diego (Scripps) - Chondromyxoid fibroma

San Diego (Naval Medical Center) - Chondromyxoid fibroma
San Diego (UCSD) - Chondrosarcoma
San Francisco (San Francisco General Hospital) - Chondromyxoid fibroma
Santa Barbara - Chondrosarcoma, low-grade
Santa Rosa (Santa Rosa Memorial Hospital) - Chondromyxoid fibroma (1); Chondrosarcoma, low-grade (2)
Sonoma (Sonoma Valley Hospital) - Chondromyxoid fibroma
Woodland Hills (Kaiser Permanente) - Chondromyxoid fibroma
Alabama (Baptist Medical Center) - Chondrosarcoma
Alabama (Cunningham Pathology, LLC) - Enchondroma
Alabama (UAB) - Chondromyxoid fibroma
Colorado (Fort Collins) - Chondrosarcoma
Colorado (McKee Medical Center) - Chondrosarcoma
Georgia (Decatur) - Chondromyxoid fibroma
Georgia (Oconee Regional Medical Center) - Chondrosarcoma
Illinois (Burr Ridge) - Chondromyxoid fibroma
Illinois (Oak Brook) - Chondromyxoid fibroma
Illinois (Heartland Regional Medical Center) - Chondromyxoid fibroma
Illinois (Loyola University Medical Center) - Chondromyxoid fibroma, rib (1); Liposarcoma (1)
Iowa (Winneshick County Medical Hospital) - Enchondroma
Indiana (St. Joseph Hospital) - Chondromyxoid fibroma (2)
Kansas (Cytocheck Laboratory) - Chondroblastoma (1); Chondromyxoid fibroma (1)
Kentucky (University of Louisville Hospital) - Chondromyxoid fibroma
Louisiana (Orleans Parish Coroner's Office) - Chondroma
Maryland (Howard University Hospital) - Chondromyxoid fibroma
Maryland (Silver Springs) - Chondromyxoid fibroma
Massachusetts (Berkshire Medical Center) - Myxoid chondrosarcoma
Massachusetts (Tufts New England Medical Center) - Chondromyxoid fibroma
Massachusetts (UMass Memorial Medical Center) - Chondromyxoid fibroma
Minnesota (Fairview Ridges Hospital) - Chondromyxoid fibroma
Missouri (Missouri Delta Medical Center) - Leiomyomatosis with metastatic spread
Nebraska (Creighton University Medical Center) - Chondromyxoid fibroma
New Mexico, Albuquerque - Myxoid chondrosarcoma
New York (Erie County Medical Center) - Chondromyxoid fibroma
New York, Horseheads - Neurofibroma
New York (Long Island Jewish Medical Center) - Chondromyxoid fibroma
New York (St. Lukes Roosevelt Hospital) - Chondromyxoid fibroma
New York (Stony Brook University Medical Center) - Chondromyxoid fibroma
New York (SUNY Downstate Medical Center) - Chondromyxoid fibroma
Ohio (Cleveland Clinic Foundation) - Chondroma
Ohio (St. Elizabeth Health Center) - Chondrosarcoma, low-grade
Pennsylvania (Conemaugh Memorial Hospital) - Chondromyxoid fibroma (2)
Pennsylvania (Drexel University College of Medicine) - Chondromyxoid fibroma
Pennsylvania (Lehigh Valley Hospital) - Chondromyxoid fibroma
Pennsylvania (Magee Women's Hospital) - Chondromyxoid fibroma
Texas, Crystal Beach - Chondromyxoid fibroma
Texas, Lubbock - Chondrosarcoma
Texas (Scott and White Hospital) - Mesenchymal chondrosarcoma
Texas (St. Lukes Episcopal Hospital) - Favor myxoid liposarcoma
Texas, Victoria - Chondromyxoid fibroma
Washington (Madigan Army Medical Center) - Chondromyxoid fibroma
Washington (VA Puget Sound Health Care System) - Stromal cell neoplasia, chondromyxoid fibroma
West Virginia (Greenbrier Valley Medical Center) - Chondromyxoid fibroma
Wisconsin, Madison - Chondrosarcoma
Australia (Royal Hobart Hospital) - Chondromyxoid fibroma
Canada (Pasqua Hospital) - Chondromyxoid fibroma
Canada (University of Sherbrooke) - Myxoid chondrosarcoma
Hong Kong (Hong Kong Baptist Hospital) - Chondromyxoid fibroma

[Ireland, Dublin](#) - Chondromyxoid fibroma
[Ireland \(Kerry General Hospital\)](#) - Myxoid liposarcoma
[Ireland \(UCH Galway Residents\)](#) - Chondromyxoid fibroma
[Japan \(Asashi City\)](#) - Chondromyxoid fibroma
[Japan \(Kyoto University Hospital\)](#) - Phosphaturic mesenchymal tumor
[Japan \(Saiseikar Maebashi Hospital\)](#) - Myxoid malignant fibrous histiocytoma
[Netherlands, Amstelveen](#) - Benign exostosis
[Oman, Azaiba](#) - Chondromyxoid fibroma
[Saudi Arabia \(King Abdulaziz Medical Center\)](#) - Chondromyxoid fibroma
[United Kingdom \(John Radcliffe Hospital\)](#) - Chondromyxoid fibroma

Case 2 - Diagnosis:

Chondromyxoid fibroma, rib
 T-28000, M-92410

Case 2 - References:

Romeo S, Oosting J, et al. The Role of Noncartilage-Specific Molecules in Differentiation of Cartilaginous Tumors. Lessons from Chondroblastoma and Chondromyxoid Fibroma. *Cancer* 2007; 15;110(2):385-594.
 Bousdras K, O'Donnell P, et al. Chondroblastomas But Not Chondromyxoid Fibromas Express Cytokeratins. An Unusual Presentation of a Chondroblastoma in the Metaphyseal Cortex of the Tibia. *Histopathol* 2007;51(3):414-416.
 Desai SS, Jambhekar NE, et al. Chondromyxoid Fibromas. A Study of 10 Cases. *J Surg Oncol* 2005; 89(1):28-31.
 Armah HB, McGough RL, Goodman MA, et al. Chondromyxoid Fibroma of Rib with a Novel Chromosomal Translocations. A Report of Four Additional Cases at Unusual Sites. *Diagn Pathol* 2007; 24; 2:44.

Case No. 3, Accession No. 30569

May 2008

[Alameda \(Alameda County Medical Center\)](#) - Diffuse large B-cell lymphoma
[Arcadia \(ABC Laboratories\)](#) - Large B-cell lymphoma
[Fontana \(Kaiser Permanente\)](#) - Diffuse large B-cell lymphoma
[Glendale](#) - High-grade B-cell lymphoma
[Las Vegas \(Sunrise Hospital\)](#) - Diffuse large B-cell lymphoma
[Long Beach \(Long Beach Veterans Hospital\)](#) - B-cell lymphoma, diffuse large cell type
[Long Beach \(Veterans Long Beach\)](#) - Diffuse large B-cell lymphoma
[Mountain View \(El Camino Hospital\)](#) - Large B-cell lymphoma
[Oakland](#) - Large cell lymphoma
[Orinda \(Kaiser Permanente\)](#) - Diffuse large B-cell lymphoma
[Oxnard \(St. John's Regional Medical Center\)](#) - Diffuse large B-cell lymphoma with MALT (4)
[San Diego \(Scripps\)](#) - Diffuse large B-cell lymphoma
[San Diego \(Naval Medical Center\)](#) - Diffuse large B-cell lymphoma
[San Diego \(UCSD\)](#) - Diffuse large B-cell lymphoma
[San Francisco \(San Francisco General Hospital\)](#) - Large cell lymphoma
[Santa Barbara](#) - Lymphoma
[Santa Rosa \(Santa Rosa Memorial Hospital\)](#) - Diffuse large cell (B-cell) lymphoma (1); Follicular lymphoma, grade III, B-cell type (1); B-cell large cell lymphoma, grade III (1)
[Sonoma \(Sonoma Valley Hospital\)](#) - Large B-cell lymphoma
[Woodland Hills \(Kaiser Permanente\)](#) - Diffuse large B-cell lymphoma
[Alabama \(Baptist Medical Center\)](#) - Diffuse large B-cell lymphoma
[Alabama \(Cunningham Pathology, LLC\)](#) - Diffuse large B-cell lymphoma
[Alabama \(UAB\)](#) - Diffuse large B-cell lymphoma
[Colorado \(Fort Collins\)](#) - Follicular lymphoma, nodular, grade III
[Colorado \(McKee Medical Center\)](#) - Follicular lymphoma, nodular, grade III
[Georgia \(Decatur\)](#) - Diffuse large B-cell lymphoma
[Georgia \(Oconee Regional Medical Center\)](#) - B-cell non-Hodgkins lymphoma, large cell

Illinois (Burr Ridge) - Diffuse large B-cell lymphoma
Illinois (Oak Brook) - Malignant NH lymphoma B-cell large cell type
Illinois (Heartland Regional Medical Center) - Malignant lymphoma, large B-cell type
Illinois (Loyola University Medical Center) - Diffuse large B-cell lymphoma, mesentery (2)
Iowa (Winneshick County Medical Hospital) - Malignant lymphoma
Indiana (St. Joseph Hospital) - Large cell B-cell lymphoma (1); Diffuse large B-cell lymphoma (1)
Kansas (Cytocheck Laboratory) - Lymphoma (1); Diffuse large B-cell lymphoma (1)
Kentucky (University of Louisville Hospital) - Diffuse large B-cell lymphoma
Louisiana (Orleans Parish Coroner's Office) - Malignant lymphoma
Maryland (Howard University Hospital) - Diffuse large B-cell lymphoma
Maryland (Silver Springs) - Diffuse large B-cell lymphoma
Massachusetts (Berkshire Medical Center) - MALT lymphoma
Massachusetts (Tufts New England Medical Center) - Diffuse large B-cell lymphoma
Massachusetts (UMass Memorial Medical Center) - Diffuse large B-cell lymphoma
Minnesota (Fairview Ridges Hospital) - Diffuse large B-cell lymphoma
Missouri (Missouri Delta Medical Center) - Lymphoma large cell
Nebraska (Creighton University Medical Center) - High grade B-cell lymphoma, favor grade III, follicular
New Mexico, Albuquerque - Large B-cell lymphoma
New York (Erie County Medical Center) - Diffuse large B-cell lymphoma
New York, Horseheads - Diffuse large B-cell lymphoma
New York (Long Island Jewish Medical Center) - Diffuse large B-cell lymphoma
New York (St. Lukes Roosevelt Hospital) - Diffuse large B-cell lymphoma
New York (Stony Brook University Medical Center) - Diffuse large B-cell lymphoma
New York (SUNY Downstate Medical Center) - Diffuse large B-cell lymphoma
Ohio (Cleveland Clinic Foundation) - Diffuse large B-cell lymphoma
Ohio (St. Elizabeth Health Center) - Diffuse large cell lymphoma, non-Hodgkin's
Pennsylvania (Conemaugh Memorial Hospital) - Diffuse large B-cell lymphoma (2)
Pennsylvania (Drexel University College of Medicine) - Diffuse large B-cell lymphoma
Pennsylvania (Lehigh Valley Hospital) - Large cell B-cell lymphoma
Pennsylvania (Magee Women's Hospital) - Follicular lymphoma
Texas, Crystal Beach - Large B-cell lymphoma (non-Hodgkin's)
Texas, Lubbock - Follicular lymphoma
Texas (Scott and White Hospital) - Large B-cell lymphoma
Texas (St. Lukes Episcopal Hospital) - B-cell large cell lymphoma
Texas, Victoria - Large B-cell lymphoma
Washington (Madigan Army Medical Center) - Diffuse large B-cell lymphoma
Washington (VA Puget Sound Health Care System) - Diffuse cell neoplasia, malignant lymphoma
West Virginia (Greenbrier Valley Medical Center) - High grade B-cell lymphoma
Wisconsin, Madison - Large cell B-cell lymphoma
Australia (Royal Hobart Hospital) - Diffuse large B-cell lymphoma
Canada (Pasqua Hospital) - Large B-cell lymphoma
Canada (University of Sherbrooke) - Diffuse large B-cell lymphoma
Hong Kong (Hong Kong Baptist Hospital) - Diffuse large B-cell lymphoma
Ireland, Dublin - Diffuse large B-cell lymphoma
Ireland (Kerry General Hospital) - Diffuse large B-cell lymphoma
Ireland (UCH Galway Residents) - Diffuse large B-cell lymphoma, anaplastic variant
Japan (Asashi City) - Diffuse large B-cell lymphoma
Japan (Kyoto University Hospital) - Malignant lymphoma, diffuse large B-cell lymphoma
Japan (Saiseikar Maebashi Hospital) - Follicular lymphoma, grade 3
Netherlands, Amstelveen - Diffuse large B-cell NHL (DLBCL)
Oman, Azaiba - Non-Hodgkin's lymphoma, diffuse large B-cell type
Saudi Arabia (King Abdulaziz Medical Center) - Diffuse large B-cell lymphoma
United Kingdom (John Radcliffe Hospital) - Diffuse large B-cell lymphoma

Case 3 - Diagnosis:

Diffuse large B-cell lymphoma, omentum
 T-63850, M-95903

Case 3 – References:

- Connor J and Ashton-Key M. Gastric and Intestinal Diffuse Large B-Cell Lymphomas are Clinically and Immunophenotypically Different . An Immunohistochemical and Clinical Study. *Histopathol* 2007; 51(5):697-703.
- Kim DH, Baek JH, et al. Absolute Lymphocyte Counts Predicts Response to Chemotherapy and Survival In Diffuse Large B-Cell Lymphoma. *Leukemia* 2007; 21(10):2227-2230.
- Linderoth J, Ehinger M, et al. CD40 Expression Identifies a Prognostically Favorable Subgroup of Diffuse Large B-Cell Lymphoma. *Leuk Lymphoma* 2007; 48(9):174-1779.
- Nakamine H and Rinsho Ketsueki. Fundamentals in the Pathological Diagnosis of B-Cell Lymphoma, Focusing on Diffuse Large B-Cell Lymphoma 2007; 48(2):107-116.
- De Paepe P and De Wolf-Peeters C. Diffuse Large B-Cell Lymphoma. A Heterogeneous Group of Non-Hodgkin Lymphomas Comprising Several Distinct Clinicopathological Entities. *Leukemia* 2007; 21(1):37-43.

Case No. 4, Accession No. 30279

May 2008

Alameda (Alameda County Medical Center) - Metastatic GIST

Arcadia (ABC Laboratories) - Dendritic cell sarcoma (high grade)

Fontana (Kaiser Permanente) - Sarcoma, mast cells

Glendale - GIST

Las Vegas (Sunrise Hospital) - Metastatic gastrointestinal stromal tumor

Long Beach (Long Beach Veterans Hospital) - Metastatic gastrointestinal stromal tumor, epithelial type

Long Beach (Veterans Long Beach) - Epithelioid malignant gastrointestinal stromal tumor

Mountain View (El Camino Hospital) - GI stromal sarcoma

Oakland - GIST

Orinda (Kaiser Permanente) - Myeloid/mast cell sarcoma

Oxnard (St. John's Regional Medical Center) - GIST (4)

San Diego (Scripps) - Metastatic GIST

San Diego (Naval Medical Center) - Malignant GIST

San Diego (UCSD) - Metastatic GIST

San Francisco (San Francisco General Hospital) - Pheochromocytoma

Santa Barbara - GIST

Santa Rosa (Santa Rosa Memorial Hospital) - Metastatic gastrointestinal stromal tumor (3)

Sonoma (Sonoma Valley Hospital) - Malignant melanoma

Woodland Hills (Kaiser Permanente) - Neoplasm with perivascular epithelioid cell differentiation (PECOMA)

Alabama (Baptist Medical Center) - Malignant melanoma

Alabama (Cunningham Pathology, LLC) - Malignant GIST

Alabama (UAB) - Gastrointestinal stromal tumor, metastatic

Colorado (Fort Collins) - Systemic mast cell disease

Colorado (McKee Medical Center) - Systemic mast cell disease

Georgia (Decatur) - Metastatic gastrointestinal stromal tumor

Georgia (Oconee Regional Medical Center) - GI stromal tumor, organoid, metastatic

Illinois (Burr Ridge) - GIST

Illinois (Oak Brook) - Malignant metastatic melanoma

Illinois (Heartland Regional Medical Center) - Metastatic GIST

Illinois (Loyola University Medical Center) - Mast cell sarcoma, back (1); Epithelioid GIST (1)

Iowa (Winnebago County Medical Hospital) - Malignant peripheral nerve sheath tumor

Indiana (St. Joseph Hospital) - Metastatic malignant GIST (2)

Kansas (Cytocheck Laboratory) - GIST (2)

Kentucky (University of Louisville Hospital) - Epithelioid GIST

Louisiana (Orleans Parish Coroner's Office) - Gastrointestinal stromal tumor

Maryland (Howard University Hospital) - Malignant melanoma

Maryland (Silver Springs) - Metastatic GIST

Massachusetts (Berkshire Medical Center) - Epithelioid GIST

Massachusetts (Tufts New England Medical Center) - GIST/sarcoma

Massachusetts (UMass Memorial Medical Center) - Metastatic gastrointestinal stromal tumor

Minnesota (Fairview Ridges Hospital) - Gastrointestinal stromal tumor, metastatic

Missouri (Missouri Delta Medical Center) - Malignant GIST (sarcoma)
Nebraska (Creighton University Medical Center) - Malignant tumor of uncertain origin
New Mexico , Albuquerque - Malignant gastrointestinal stromal tumor
New York (Erie County Medical Center) - GIST (imatinib treatment)
New York, Horseheads - Mast cell sarcoma
New York (Long Island Jewish Medical Center) - Sarcoma, favor GIST
New York (St. Lukes Roosevelt Hospital) - Mast cell sarcoma
New York (Stony Brook University Medical Center) - Epithelioid angiomylipoma
New York (SUNY Downstate Medical Center) - Metastatic GIST vs. melanoma
Ohio (Cleveland Clinic Foundation) - GIST
Ohio (St. Elizabeth Health Center) - Malignant gastrointestinal stromal tumor
Pennsylvania (Conemaugh Memorial Hospital) - Metastatic GIST (2)
Pennsylvania (Drexel University College of Medicine) - Malignant GIST
Pennsylvania (Lehigh Valley Hospital) - Epithelioid GIST
Pennsylvania (Magee Women's Hospital) - Epithelioid GIST
Texas, Crystal Beach - Gastrointestinal stromal tumor
Texas, Lubbock - Malignant GIST
Texas (Scott and White Hospital) - Metastatic high grade GIST
Texas (St. Lukes Episcopal Hospital) - Possibly metastatic GIST
Texas, Victoria - Malignant stromal tumor
Washington (Madigan Army Medical Center) - Malignant GIST (3); MFH (3); Melanoma (3)
Washington (VA Puget Sound Health Care System) - Probable stromal cell neoplasia, malignant GIST
West Virginia (Greenbrier Valley Medical Center) - Gastrointestinal stromal tumor
Wisconsin, Madison - Metastatic epithelioid GIST
Australia (Royal Hobart Hospital) - Malignant GIST
Canada (Pasqua Hospital) - GIST
Canada (University of Sherbrooke) - GIST (metastasis)
Hong Kong (Hong Kong Baptist Hospital) - Metastatic GIST
Ireland, Dublin - Metastatic GIST
Ireland (Kerry General Hospital) - Metastatic GIST
Ireland (UCH Galway Residents) - Epithelioid sarcoma
Japan (Asashi City) - Gastrointestinal stromal tumor
Japan (Kyoto University Hospital) - Malignant epithelioid cell tumor, consistent with metastatic GIST
Japan (Saiseikar Maebashi Hospital) - GIST
Netherlands, Amstelveen - Epithelioid GIST
Oman, Azaiba - Gastrointestinal stromal tumour
Saudi Arabia (King Abdulaziz Medical Center) - Malignant melanoma
United Kingdom (John Radcliffe Hospital) - Malignant melanoma

Case 4 - Diagnosis:

Epithelioid GIST, probably metastatic, back
 T-Y1100, M-96103

Case 4 - References:

- Alvarado-Cabrero I, Vazquez G, et al. Clinicopathologic Study of 275 Cases of Gastrointestinal Stromal Tumors. The Experience at 3 Large Medical Centers in Mexico. *Ann Diagn Pathol* 2007; 39-45.
 Miettinen M and Lasota J. Gastrointestinal Stromal Tumors. Pathology and Prognosis at Different Sites. *Semin Diagn Pathol* 2006; 23(2):70-83.
 Laforga JB. Malignant Epithelioid Gastrointestinal Stromal Tumors. Report of a Case with Cytologic and Immunohistochemical Studies. *Acta Cytol* 2005; 49(4):35-40.
 Lippai N, Fule T, Nemeth T, et al. Keratin-Positive Gastrointestinal Stromal Tumor of the Stomach Mimicking Gastric Carcinoma. Diagnosis Confirmed by C-Kit Mutation Analysis. *Diagn Mol Pathol* 2008; 28.
 Agaimy A and Wunsch PH. Distribution of Neural Cell Adhesion Molecule (NCAM/CD46) in Gastrointestinal Stromal Tumors and Their Intra-Abdominal Mesenchymal Mimics. *J Clin Pathol* 2004; 61(4):499-503.

Alameda (Alameda County Medical Center) - Warthin's tumor
Arcadia (ABC Laboratories) - Warthin's tumor
Fontana (Kaiser Permanente) - Warthin's tumor
Glendale - Warthin's tumor
Las Vegas (Sunrise Hospital) - Warthin's tumor
Long Beach (Long Beach Veterans Hospital) - Warthin's tumor
Long Beach (Veterans Long Beach) - Warthin's tumor
Mountain View (El Camino Hospital) - Warthin's tumor
Oakland - Warthin's tumor
Orinda (Kaiser Permanente) - Warthin's tumor
Oxnard (St. John's Regional Medical Center) - Warthin's tumor (3)
San Diego (Scripps) - Warthin's tumor
San Diego (Naval Medical Center) - Warthin's tumor
San Diego (UCSD) - Benign lymphoepithelial cyst
San Francisco (San Francisco General Hospital) - Warthin's tumor
Santa Barbara - Warthin's tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Warthin's tumor (3)
Sonoma (Sonoma Valley Hospital) - Warthin's tumor
Woodland Hills (Kaiser Permanente) - Warthin's tumor
Alabama (Baptist Medical Center) - Warthin's tumor
Alabama (Cunningham Pathology, LLC) - Warthin's tumor
Alabama (UAB) - Warthin's tumor
Colorado (Fort Collins) - Warthin's tumor
Colorado (McKee Medical Center) - Warthin's tumor
Georgia (Decatur) - Warthin's tumor
Georgia (Oconee Regional Medical Center) - Warthin's tumor
Illinois (Burr Ridge) - Warthin's tumor
Illinois (Oak Brook) - Warthin's tumor
Illinois (Heartland Regional Medical Center) - Warthin's tumor
Illinois (Loyola University Medical Center) - Warthin's tumor, parotid (2)
Iowa (Winneshick County Medical Hospital) - Warthin's tumor
Indiana (St. Joseph Hospital) - Warthin's tumor (2)
Kansas (Cytocheck Laboratory) - Warthin's tumor (2)
Kentucky (University of Louisville Hospital) - Warthin's tumor
Louisiana (Orleans Parish Coroner's Office) - Warthin's tumor of parotid gland
Maryland (Howard University Hospital) - Warthin's tumor
Maryland (Silver Springs) - Warthin's tumor
Massachusetts (Berkshire Medical Center) - Warthin's tumor
Massachusetts (Tufts New England Medical Center) - Warthin's tumor
Massachusetts (UMass Memorial Medical Center) - Warthin's tumor
Minnesota (Fairview Ridges Hospital) - Warthin's tumor
Missouri (Missouri Delta Medical Center) - Papillary cystadenoma lymphomatosum (Warthin's tumor)
Nebraska (Creighton University Medical Center) - Warthin's tumor
New Mexico, Albuquerque - Warthin's tumor
New York (Erie County Medical Center) - Warthin's tumor
New York, Horseheads - Warthin's tumor
New York (Long Island Jewish Medical Center) - Warthin's tumor
New York (St. Lukes Roosevelt Hospital) - Warthin's tumor
New York (Stony Brook University Medical Center) - Warthin's tumor
New York (SUNY Downstate Medical Center) - Warthin's tumor
Ohio (Cleveland Clinic Foundation) - Warthin's tumor
Ohio (St. Elizabeth Health Center) - Warthin's tumor
Pennsylvania (Conemaugh Memorial Hospital) - Warthin's tumor (2)
Pennsylvania (Drexel University College of Medicine) - Warthin's tumor
Pennsylvania (Lehigh Valley Hospital) - Warthin's tumor

Pennsylvania (Magee Women's Hospital) - Warthin's tumor
Texas, Crystal Beach - Warthin's tumor
Texas, Lubbock - Warthin tumor
Texas (Scott and White Hospital) - Warthin's tumor
Texas (St. Lukes Episcopal Hospital) - Warthin's tumor
Texas, Victoria - Warthin's tumor
Washington (Madigan Army Medical Center) - Warthin's tumor
Washington (VA Puget Sound Health Care System) - Salivary epithelioid hyperplasia, Warthin's
West Virginia (Greenbrier Valley Medical Center) - Warthin's tumor
Wisconsin, Madison - Warthin's tumor
Australia (Royal Hobart Hospital) - Warthin's tumor, parotid
Canada (Pasqua Hospital) - Warthin's tumor
Canada (University of Sherbrooke) - Warthin's tumor
Hong Kong (Hong Kong Baptist Hospital) - Warthin's tumor
Ireland, Dublin - Warthin's tumor
Ireland (Kerry General Hospital) - Warthin's tumor
Ireland (UCH Galway Residents) - Warthin's tumor
Japan (Asashi City) - Warthin's tumor
Japan (Kyoto University Hospital) - Warthin's tumor
Japan (Saiseikar Maebashi Hospital) - Warthin's tumor
Netherlands, Amstelveen - Warthin's tumor
Oman, Azaiba - Warthin's tumor
Saudi Arabia (King Abdulaziz Medical Center) - Warthin's tumor
United Kingdom (John Radcliffe Hospital) - Parotid, Warthin's tumor

Case 5 - Diagnosis:

Warthin's tumor, parotid
 T-55110, M-84610

Case 5 - References:

Jung SM and Hao SP. Warthin's Tumor with Multiple Granulomas. A Clinicopathologic Study of Six Cases. *Diagn Cytopathol* 2006; 34(8):564-567.
 Parwani AV and Ali SZ. Diagnostic Accuracy and Pitfalls in Fine-Needle Aspiration Interpretation of Warthin Tumor. *Cancer* 99(3):166-171.
 Zhao Y, Collins BT and Ramos RR. Ciliated Epithelial Cells in Warthin's Tumor on Fine-Needle Aspiration. *Diagn Cytopathol* 2003; 28(2):71.
 Sadezki S, Oberman B, Mandelzweig L, et al. Smoking and Risk of Parotid Gland Tumors. A Nationwide Case-Control Study. *Cancer* 2008; 112(9):1974-1982.
 Lin CC, Tsai MH, Huang CC, et al. Parotid Tumors. A 10-Year Experience. *Am J Otolaryngol* 2008; 29(2):94-100.

Case No. 6, Accession No. 30690

May 2008

Alameda (Alameda County Medical Center) - Salivary duct carcinoma
Arcadia (ABC Laboratories) - High grade carcinoma (probable acinic cell)
Fontana (Kaiser Permanente) - Mucoepidermoid carcinoma
Glendale - Carcinoma
Las Vegas (Sunrise Hospital) - High-grade salivary duct carcinoma
Long Beach (Long Beach Veterans Hospital) - Mucoepidermoid carcinoma, high-grade
Long Beach (Veterans Long Beach) - High grade mucoepidermoid carcinoma
Mountain View (El Camino Hospital) - Salivary duct carcinoma
Oakland - Carcinoma
Orinda (Kaiser Permanente) - Salivary duct carcinoma vs. oncocytic carcinoma
Oxnard (St. John's Regional Medical Center) - Adenocarcinoma (1); Salivary duct carcinoma (1)
San Diego (Scripps) - Adenocarcinoma, NOS
San Diego (Naval Medical Center) - Salivary duct carcinoma
San Diego (UCSD) - High-grade carcinoma

San Francisco (San Francisco General Hospital) - Ductal carcinoma
Santa Barbara - Adenocarcinoma
Santa Rosa (Santa Rosa Memorial Hospital) - Salivary duct carcinoma (2); Oncocytic carcinoma (1)
Sonoma (Sonoma Valley Hospital) - Acinic cell carcinoma
Woodland Hills (Kaiser Permanente) - Salivary duct carcinoma
Alabama (Baptist Medical Center) - Adenocarcinoma, NOS
Alabama (Cunningham Pathology, LLC) - Oncocytic carcinoma
Alabama (UAB) - Adenocarcinoma, NOS
Colorado (Fort Collins) - Salivary duct carcinoma
Colorado (McKee Medical Center) - Salivary duct carcinoma
Georgia (Decatur) - Salivary duct carcinoma
Georgia (Oconee Regional Medical Center) - High-grade carcinoma, salivary duct carcinoma
Illinois (Burr Ridge) - Mucoepidermoid carcinoma, high-grade
Illinois (Oak Brook) - Adenocarcinoma
Illinois (Heartland Regional Medical Center) - Salivary duct carcinoma
Illinois (Loyola University Medical Center) - Metastatic adenocarcinoma vs. melanoma, parotid, need stain (1);
 Oncocytic carcinoma (1)
Iowa (Winneshick County Medical Hospital) - High-grade mucoepidermoid carcinoma
Indiana (St. Joseph Hospital) - High-grade mucoepidermoid carcinoma (1); Salivary duct carcinoma (1)
Kansas (Cytocheck Laboratory) - Oncocytic carcinoma (1); Ductal type carcinoma of parotid (1)
Kentucky (University of Louisville Hospital) - Salivary duct carcinoma
Louisiana (Orleans Parish Coroner's Office) - High-grade mucoepidermoid carcinoma
Maryland (Howard University Hospital) - Salivary duct carcinoma
Maryland (Silver Springs) - Mucoepidermoid carcinoma
Massachusetts (Berkshire Medical Center) - Salivary duct carcinoma
Massachusetts (Tufts New England Medical Center) - Salivary duct carcinoma
Massachusetts (UMass Memorial Medical Center) - Oncocytic carcinoma
Minnesota (Fairview Ridges Hospital) - Acantholytic squamous cell carcinoma
Missouri (Missouri Delta Medical Center) - Lymphoepithelioma
Nebraska (Creighton University Medical Center) - Malignant carcinoma suggestive of salivary duct carcinoma
New Mexico, Albuquerque - Oncocytic carcinoma
New York (Erie County Medical Center) - Adenocarcinoma (primary vs. metastatic)
New York, Horseheads - Carcinoma ex-pleomorphic adenoma
New York (Long Island Jewish Medical Center) - Favor salivary duct carcinoma
New York (St. Lukes Roosevelt Hospital) - Oncocytic vs. acinic cell carcinoma
New York (Stony Brook University Medical Center) - Salivary duct carcinoma
New York (SUNY Downstate Medical Center) - Salivary duct carcinoma
Ohio (Cleveland Clinic Foundation) - Oncocytic carcinoma
Ohio (St. Elizabeth Health Center) - Salivary duct carcinoma
Pennsylvania (Conemaugh Memorial Hospital) - High-grade salivary duct carcinoma (2)
Pennsylvania (Drexel University College of Medicine) - Ductal carcinoma of salivary gland
Pennsylvania (Lehigh Valley Hospital) - Oncocytic carcinoma
Pennsylvania (Magee Women's Hospital) - Salivary duct carcinoma
Texas, Crystal Beach - Salivary duct carcinoma
Texas, Lubbock - Oncocytic carcinoma
Texas (Scott and White Hospital) - High-grade mucoepidermoid carcinoma
Texas (St. Lukes Episcopal Hospital) - Salivary ductal carcinoma
Texas, Victoria - Salivary duct carcinoma
Washington (Madigan Army Medical Center) - Salivary duct carcinoma
Washington (VA Puget Sound Health Care System) - Salivary exocrine neoplastic, carcinoma, high-grade ductal
West Virginia (Greenbrier Valley Medical Center) - Adenocarcinoma, NOS
Wisconsin, Madison - Salivary duct carcinoma
Australia (Royal Hobart Hospital) - Salivary duct carcinoma
Canada (Pasqua Hospital) - Squamous cell carcinoma
Canada (University of Sherbrooke) - Acinic cell carcinoma
Hong Kong (Hong Kong Baptist Hospital) - Poorly differentiated carcinoma
Ireland, Dublin - High-grade salivary duct carcinoma

Ireland (Kerry General Hospital) - Salivary duct carcinoma
Ireland (UCH Galway Residents) - High-grade mucoepidermoid carcinoma
Japan (Asashi City) - Oncocytic carcinoma
Japan (Kyoto University Hospital) - Salivary duct carcinoma
Japan (Saiseikar Maebashi Hospital) - Adenocarcinoma, NOS
Netherlands, Amstelveen - Oncocytic carcinoma
Oman, Azaiba - Carcinoma, myoepithelial carcinoma, adenocarcinoma, NOS
Saudi Arabia (King Abdulaziz Medical Center) - Salivary duct carcinoma
United Kingdom (John Radcliffe Hospital) - Salivary duct carcinoma

Case 6- Diagnosis:

Salivary duct carcinoma, parotid
 T-55100, M-80103

Case 6 - References:

Nashed M and Casasola RJ. Biological Therapy of Salivary Duct Carcinoma. *J Laryngol Otol* 2008; 11:1-3.
 Pai RR, Alwar V, Rao VS, et al. Salivary Duct Carcinoma of the Parotid Gland. The Cytohistological Features. *Ind J Pathol Microbiol* 2007; 50(4):872-874.
 Cornolti G, Ungari M, Morassi ML, et al. Amplification and Overexpression of HER2/Neu Gene and HER2/Neu Protein in Salivary Duct Carcinoma of the Parotid Gland. *Arch Otolaryngol Head Neck Surg* 2007; 133(10):1031-1036.
 Nabili V, Tan JW, Bhuta S, et al. Slivary Duct Carcinoma. A Clinical and Histologic Review with Implications for Trastuzumab Therapy. *Head Neck* 2007; 29(10):907-912.
 Sato K, Shimode Y, Ioi A, et al. Salivary Duct Carcinoma of the Parotid Gland Presenting KIT (CD117) Overexpression. *Histopathol* 2007;51(1):114-115.

Case No. 7, Accession No. 30729

May 2008

Alameda (Alameda County Medical Center) - Granulosa cell tumor
Arcadia (ABC Laboratories) - Granulosa cell tumor (high-grade)
Fontana (Kaiser Permanente) - Granulosa cell tumor
Glendale - Adult granuloze cell tumor
Las Vegas (Sunrise Hospital) - Adult granuloze cell tumor
Long Beach (Long Beach Veterans Hospital) - Granulosa cell tumor
Long Beach (Veterans Long Beach) - Granulosa cell tumor
Mountain View (El Camino Hospital) - Granulosa cell tumor
Oakland - Granulosa cell tumor
Orinda (Kaiser Permanente) - Small cell neuroendocrine carcinoma vs. granulosa cell tumor
Oxnard (St. John's Regional Medical Center) - Granulosa cell tumor (4)
San Diego (Scripps) - Granulosa cell tumor
San Diego (Naval Medical Center) - Granulosa cell tumor
San Diego (UCSD) - Granulosa cell tumor
San Francisco (San Francisco General Hospital) - Granulosa cell tumor
Santa Barbara - Sertoli-Leydig tumor
Santa Rosa (Santa Rosa Memorial Hospital) - Granulosa cell tumor (3)
Sonoma (Sonoma Valley Hospital) - Granulosa cell tumor
Woodland Hills (Kaiser Permanente) - Granulosa cell tumor
Alabama (Baptist Medical Center) - Granulosa cell tumor
Alabama (Cunningham Pathology, LLC) - Granular cell tumor
Alabama (UAB) - Granulosa cell tumor
Colorado (Fort Collins) - Granulosa cell tumor
Colorado (McKee Medical Center) - Granulosa cell tumor
Georgia (Decatur) - Adult granuloze cell tumor
Georgia (Oconee Regional Medical Center) - Adult granulosa cell tumor
Illinois (Burr Ridge) - Small cell carcinoma
Illinois (Oak Brook) - Granulosa cell tumor
Illinois (Heartland Regional Medical Center) - Granulosa cell tumor, adult type

Illinois (Loyola University Medical Center) - Small cell carcinoma vs. lymphoma, need stain (1); Granulosa cell tumor (1)

Iowa (Winneshick County Medical Hospital) - Granulosa cell tumor

Indiana (St. Joseph Hospital) - Granulosa cell tumor (2)

Kansas (Cytocheck Laboratory) - Granulosa cell tumor (2)

Kentucky (University of Louisville Hospital) - Granulosa cell tumor

Louisiana (Orleans Parish Coroner's Office) - Granulosa cell tumor

Maryland (Howard University Hospital) - Granulosa cell tumor

Maryland (Silver Springs) - Adult granulosa cell tumor

Massachusetts (Berkshire Medical Center) - Granulosa cell tumor

Massachusetts (Tufts New England Medical Center) - Adult granulosa cell tumor

Massachusetts (UMass Memorial Medical Center) - Granulosa cell tumor

Minnesota (Fairview Ridges Hospital) - Granulosa cell tumor

Missouri (Missouri Delta Medical Center) - Adult granulosa cell tumor

Nebraska (Creighton University Medical Center) - Granulosa cell tumor (adult)

New Mexico, Albuquerque - Granulosa cell tumor

New York (Erie County Medical Center) - Granulosa cell tumor

New York, Horseheads - Granulosa cell tumor

New York (Long Island Jewish Medical Center) - Granulosa cell tumor

New York (St. Lukes Roosevelt Hospital) - Sex cord stromal tumor

New York (Stony Brook University Medical Center) - Granulosa cell tumor, adult, diffuse variant

New York (SUNY Downstate Medical Center) - Adult granulosa cell tumor

Ohio (Cleveland Clinic Foundation) - Adult granulosa cell tumor

Ohio (St. Elizabeth Health Center) - Granulosa cell tumor (juvenile type)

Pennsylvania (Conemaugh Memorial Hospital) - Granulosa cell tumor, poorly differentiated (2)

Pennsylvania (Drexel University College of Medicine) - Granulosa cell tumor, adult type

Pennsylvania (Lehigh Valley Hospital) - Granulosa cell tumor

Pennsylvania (Magee Women's Hospital) - Granulosa cell tumor

Texas, Crystal Beach - Small cell carcinoma

Texas, Lubbock - Granulosa cell tumor

Texas (Scott and White Hospital) - Granulosa cell tumor

Texas (St. Lukes Episcopal Hospital) - Adult granulosa cell tumor

Texas, Victoria - High grade malignant (large cell variant of small cell carcinoma)

Washington (Madigan Army Medical Center) - Granulosa cell tumor

Washington (VA Puget Sound Health Care System) - Sex cord stromal cell neoplasia, Sertoli-Leydig vs. ? with possible metastatic potential

West Virginia (Greenbrier Valley Medical Center) - Granulosa cell tumor

Wisconsin, Madison - Undifferentiated carcinoma vs. granulosa cell tumor

Australia (Royal Hobart Hospital) - Granulosa cell tumor

Canada (Pasqua Hospital) - Granulosa cell tumor

Canada (University of Sherbrooke) - Sex cord stromal tumor

Hong Kong (Hong Kong Baptist Hospital) - Sex cord stromal tumor, favor adult granulosa cell tumor

Ireland, Dublin - Adult granulosa cell tumor

Ireland (Kerry General Hospital) - Granulosa cell tumor

Ireland (UCH Galway Residents) - Granulosa cell tumor

Japan (Asashi City) - Adult granulosa cell tumor

Japan (Kyoto University Hospital) - Granulosa stromal cell tumor

Japan (Saiseikar Maebashi Hospital) - Granulosa cell tumor

Netherlands, Amstelveen - Granulosa cell tumor

Oman, Azaiba - Adult granulosa cell tumor

Saudi Arabia (King Abdulaziz Medical Center) - Granulosa cell tumor, adult type

United Kingdom (John Radcliffe Hospital) - Ovary-granulosa cell tumor

Case 7 - Diagnosis:

Granulosa cell tumor (adult type), ovary
T-87000, M-86201

Case 7 - References:

- Pectasides D, Papaxoinis G, Fountzilas G, et al. Adult Granulosa Cell Tumors of the Ovary. A Clinicopathological Study of 34 Patients by the Hellenic Cooperative Oncology Group (HeCOG). *Anticancer Res* 2008; 28(2B):1421-1427.
- Ozkara SK and Turan G. Cystic Fluid and Fine Needle Aspiration Cytopathology of Cystic Adult Granulosa Cell Tumor of the Ovary. A Case Report. *Acta Cytol* 2008; 52(2):247-250.
- Leuvenink SK and Turan G. Prognostic Value of Mitotic Counts and Ki-67 Immunoreactivity in Adult-Type Granulosa Cell Tumour of the Ovary. *J Clin Pathol* 2008; 22.
- Ali S, Gattuso P, Howard A, et al. Adult Granulosa Cell Tumor of the Ovary. Fine-Needle-Aspiration Cytology of 10 Cases and Review of Literature. *Diagn Cytopathol* 2008; 36(5):297-302.
- Ranganath R, Sridevi V, Shirley SS, et. Clinical and Pathologic Prognostic Factors in Adult Granulosa Cell Tumors of the Ovary. *Int J Gynecol Cancer* 2007; 14.

Case No. 8, Accession No. 30527

May 2008

Alameda (Alameda County Medical Center) - Liposarcoma
Arcadia (ABC Laboratories) - Myxoid liposarcoma
Fontana (Kaiser Permanente) - Myxoid liposarcoma
Glendale - Myxoid liposarcoma
Las Vegas (Sunrise Hospital) - Cellular myxoma
Long Beach (Long Beach Veterans Hospital) - Myxoid liposarcoma
Long Beach (Veterans Long Beach) - Myxoid liposarcoma
Mountain View (El Camino Hospital) - Extraskeletal myxoid chondrosarcoma
Oakland - Vascular tumor vs. lipo tumor
Orinda (Kaiser Permanente) - Extraskeletal myxoid chondrosarcoma
Oxnard (St. John's Regional Medical Center) - Chordoma (1); Parachordoma (2)
San Diego (Scripps) - Chordoma
San Diego (Naval Medical Center) - Myxoid liposarcoma
San Diego (UCSD) - Myxoid liposarcoma
San Francisco (San Francisco General Hospital) - Granular cell tumor
Santa Barbara - Myxoid liposarcoma
Santa Rosa (Santa Rosa Memorial Hospital) - Myxoid chondrosarcoma (1); Extraskeletal chondrosarcoma (2)
Sonoma (Sonoma Valley Hospital) - Myxopapillary ependymoma
Woodland Hills (Kaiser Permanente) - Myxoid liposarcoma
Alabama (Baptist Medical Center) - Chondroma
Alabama (Cunningham Pathology, LLC) - Myxoid chondrosarcoma
Alabama (UAB) - Soft tissue myoepithelioma
Colorado (Fort Collins) - Liposarcoma
Colorado (McKee Medical Center) - Liposarcoma
Georgia (Decatur) - Myxoid liposarcoma
Georgia (Oconee Regional Medical Center) - Myxoid leiomyosarcoma
Illinois (Burr Ridge) - Granular cell tumor
Illinois (Oak Brook) - Glomangioma
Illinois (Heartland Regional Medical Center) - Myxoid liposarcoma
Illinois (Loyola University Medical Center) - Extraskeletal chondrosarcoma, buttock (1); Myxoid chondrosarcoma (1)
Iowa (Winneshick County Medical Hospital) - Pilomatrixoma
Indiana (St. Joseph Hospital) - Chondrosarcoma (2)
Kansas (Cytocheck Laboratory) - Osteoma (1) Myxoid chondrosarcoma (1)
Kentucky (University of Louisville Hospital) - Myxoid liposarcoma
Louisiana (Orleans Parish Coroner's Office) - Myxoid liposarcoma
Maryland (Howard University Hospital) - Myxoid liposarcoma
Maryland (Silver Springs) - Extraskeletal myxoid chondrosarcoma
Massachusetts (Berkshire Medical Center) - Well-differentiated myxoid liposarcoma (3); Myxoid chondrosarcoma (3)
Massachusetts (Tufts New England Medical Center) - Extraskeletal myxoid chondrosarcoma
Massachusetts (UMass Memorial Medical Center) - Myxoid liposarcoma/round cell liposarcoma
Minnesota (Fairview Ridges Hospital) - Myxoid liposarcoma
Missouri (Missouri Delta Medical Center) - Granular cell tumor

Nebraska (Creighton University Medical Center) - Myxoid liposarcoma
New Mexico, Albuquerque - Chordoma
New York (Erie County Medical Center) - Myxoid liposarcoma with hibernoma-like areas
New York, Horseheads - Lymphangioma
New York (Long Island Jewish Medical Center) - Myxoid liposarcoma
New York (St. Lukes Roosevelt Hospital) - Chondroblastoma vs. chondromyxoid fibroma
New York (Stony Brook University Medical Center) - Myxoid leiomyosarcoma
New York (SUNY Downstate Medical Center) - Injection site granuloma
Ohio (Cleveland Clinic Foundation) - Vascular tumor, favor malignant
Ohio (St. Elizabeth Health Center) - Chordoma
Pennsylvania (Conemaugh Memorial Hospital) - Liposarcoma, mixed type (2)
Pennsylvania (Drexel University College of Medicine) - Myxoid liposarcoma
Pennsylvania (Lehigh Valley Hospital) - Myxoid liposarcoma
Pennsylvania (Magee Women's Hospital) - Fibromyxosarcoma/myxofibrosarcoma
Texas, Crystal Beach - Granular cell tumor
Texas, Lubbock - Myxoid liposarcoma
Texas (Scott and White Hospital) - Myxoid liposarcoma
Texas (St. Lukes Episcopal Hospital) - Myxoid liposarcoma
Texas, Victoria - Paucicellular myxoid liposarcoma
Washington (Madigan Army Medical Center) - Myxoid liposarcoma
Washington (VA Puget Sound Health Care System) - Stromal cell neoplasia, myxofibrosarcoma
West Virginia (Greenbrier Valley Medical Center) - Granular cell tumor, malignant
Wisconsin, Madison - Myxoid liposarcoma
Australia (Royal Hobart Hospital) - Myxoid liposarcoma
Canada (Pasqua Hospital) - Myxoid liposarcoma
Canada (University of Sherbrooke) - Chondrosarcoma vs. chordoma
Hong Kong (Hong Kong Baptist Hospital) - Myxoid liposarcoma
Ireland, Dublin - Myxoid chondrosarcoma
Ireland (Kerry General Hospital) - Myxoid liposarcoma
Ireland (UCH Galway Residents) - Myxoid liposarcoma
Japan (Asashi City) - Myxoid liposarcoma
Japan (Kyoto University Hospital) - Myxoid liposarcoma
Japan (Saiseikar Maebashi Hospital) - Myxoid leiomyosarcoma
Netherlands, Amstelveen - Mucinous adenocarcinoma, metastatic
Oman, Azaiba - Myxoid liposarcoma
Saudi Arabia (King Abdulaziz Medical Center) - Myxoid liposarcoma
United Kingdom (John Radcliffe Hospital) - Myxoid liposarcoma

Case 8 - Diagnosis:

Myxoid liposarcoma, buttock
 T-Y1600, M-88523

Case 8 - References:

Fiore M, Grosso F, et al. Myxoid/Round Cell and Pleomorphic Liposarcoma. Prognostic Factors and Survival in a Series of Patients Treated at a Single Institution. *Cancer* 2007; 109(12):2522-2531.
 Pantanowitz L and Otis CN. Myxoid Liposarcoma. *Diagn Cytol Pathol* 2007; 35(5):283-284.
 Irradiation of Myxoid/Round Cell Liposarcoma Induces Volume Reduction and Lipoma-Like Morphology. *Acta Oncol* 2007; 838-845.
 Sandberg AA. Updates on the Cytogenetics and Molecular Genetics of Bone and Soft Tissue Tumors. Liposarcoma. *Cancer Genet Cytogenet* 2004; 155(1):1-24.
 Ten Heuvel SE, Hoekstra HJ, et al. Clinicopathologic Prognostic Factors in Myxoid Liposarcoma. A Retrospective Study of 49 Patients with Long-Term Follow-Up. *Ann Surg Oncol* 2007; 14(1):222-229.
 Mordi A, Batoko A and Delteil C. Myxoid Liposarcoma of the Buttock, 7 Year Follow-Up. *Presse Med* 2002; 31(20):937.

Alameda (Alameda County Medical Center) - Synovial sarcoma
Arcadia (ABC Laboratories) - Low-grade leiomyosarcoma
Fontana (Kaiser Permanente) - Chordoma
Glendale - Myxoid leiomyosarcoma vs. inflammatory myofibroblastic tumor
Las Vegas (Sunrise Hospital) - Sarcomatoid carcinoma
Long Beach (Long Beach Veterans Hospital) - Leiomyosarcoma with myxoid features
Long Beach (Veterans Long Beach) - Sarcoma (leiomyosarcoma)
Mountain View (El Camino Hospital) - Myxoid leiomyosarcoma
Oakland - Liposarcoma vs. PNET
Orinda (Kaiser Permanente) - Synovial sarcoma
Oxnard (St. John's Regional Medical Center) - Liposarcoma (1); Myxoid liposarcoma (2); Fibromyxoid sarcoma vs. myxoid liposarcoma (1)
San Diego (Scripps) - Myxofibrosarcoma
San Diego (Naval Medical Center) - Inflammatory pseudotumor (1); Sarcoma, NOS (1)
San Diego (UCSD) - Myxoid leiomyosarcoma
San Francisco (San Francisco General Hospital) - Myxoid leiomyosarcoma
Santa Barbara - Myxoid leiomyosarcoma
Santa Rosa (Santa Rosa Memorial Hospital) - Myxoid leiomyosarcoma (2); Myxoid liposarcoma vs. myxoid leiomyosarcoma (1)
Sonoma (Sonoma Valley Hospital) - Monophasic synovial sarcoma
West Hills (Quest Diagnostics, Inc.) - Synovial sarcoma
Woodland Hills (Kaiser Permanente) - Synovial sarcoma
Alabama (Baptist Medical Center) - Embryonal rhabdomyosarcoma
Alabama (Cunningham Pathology, LLC) - Carcinosarcoma
Alabama (UAB) - PNET
Colorado (Fort Collins) - PNET
Colorado (McKee Medical Center) - PNET
Georgia (Decatur) - Myxoid malignant fibrous histiocytoma
Georgia (Oconee Regional Medical Center) - Myxoid leiomyosarcoma
Illinois (Burr Ridge) - Sarcomatoid mesothelioma
Illinois (Oak Brook) - Dedifferentiated liposarcoma
Illinois (Heartland Regional Medical Center) - Leiomyosarcoma
Illinois (Loyola University Medical Center) - Myxoid leiomyosarcoma vs. synovial sarcoma, do molecular study (1); Synovial sarcoma (1)
Iowa (Winneshick County Medical Hospital) - Fibrosarcoma
Indiana (St. Joseph Hospital) - PNET (2)
Kansas (Cytocheck Laboratory) - Liposarcoma, mucinous (1); Myxoid leiomyosarcoma (1)
Kentucky (University of Louisville Hospital) - Synovial sarcoma vs. leiomyosarcoma
Louisiana (Orleans Parish Coroner's Office) - Primitive neuroectodermal tumor
Maryland (Howard University Hospital) - Synovial sarcoma, monophasic
Maryland (Silver Springs) - Synovial sarcoma
Massachusetts (Berkshire Medical Center) - Leiomyosarcoma
Massachusetts (Tufts New England Medical Center) - Leiomyosarcoma
Massachusetts (UMass Memorial Medical Center) - Synovial sarcoma with myxoid change
Minnesota (Fairview Ridges Hospital) - Synovial sarcoma
Missouri (Missouri Delta Medical Center) - Myxoid liposarcoma
Nebraska (Creighton University Medical Center) - Myxoid malignant fibrosis histiocytoma/myxoid fibrosarcoma
New Mexico, Albuquerque - Liposarcoma
New York (Erie County Medical Center) - Synovial sarcoma
New York, Horseheads - Myxoid sarcoma
New York (Long Island Jewish Medical Center) - Favor leiomyosarcoma
New York (St. Lukes Roosevelt Hospital) - Epithelioid leiomyosarcoma
New York (Stony Brook University Medical Center) - Myxoid leiomyosarcoma
New York (SUNY Downstate Medical Center) - Malignant myofibroblastoma vs. leiomyosarcoma

Ohio (Cleveland Clinic Foundation) - Spindle cell sarcoma
Ohio (St. Elizabeth Health Center) - Leiomyosarcoma
Pennsylvania (Conemaugh Memorial Hospital) - Carcinosarcoma (2)
Pennsylvania (Drexel University College of Medicine) - Mixed type liposarcoma
Pennsylvania (Lehigh Valley Hospital) - Carcinoma with mesenchymal differentiation
Pennsylvania (Magee Women's Hospital) - Leiomyosarcoma
Texas, Crystal Beach - Carcinosarcoma
Texas, Lubbock - Myxoid liposarcoma
Texas (Scott and White Hospital) - Synovial sarcoma
Texas (St. Lukes Episcopal Hospital) - Leiomyosarcoma
Texas, Victoria - PNET
Washington (Madigan Army Medical Center) - Synovial sarcoma
Washington (VA Puget Sound Health Care System) - Stromal cell neoplasia, leiomyosarcoma
West Virginia (Greenbrier Valley Medical Center) - Fibrosarcoma
Wisconsin, Madison - Leiomyosarcoma
Australia (Royal Hobart Hospital) - Myxoid leiomyosarcoma
Canada (Pasqua Hospital) - Leiomyosarcoma
Canada (University of Sherbrooke) - Sarcomatoid carcinoma
Hong Kong (Hong Kong Baptist Hospital) - Myxoid leiomyosarcoma
Ireland, Dublin - Monophasic synovial sarcoma
Ireland (Kerry General Hospital) - Myxoid leiomyosarcoma
Ireland (UCH Galway Residents) - Myoepithelioma/mixed tumor in soft tissue
Japan (Asashi City) - Myxoid leiomyosarcoma
Japan (Kyoto University Hospital) - Myxoid leiomyosarcoma
Japan (Saiseikar Maebashi Hospital) - Myxoid leiomyosarcoma
Netherlands, Amstelveen - Leiomyosarcoma
Oman, Azaiba - Synovial sarcoma
Saudi Arabia (King Abdulaziz Medical Center) - Pleomorphic high grade sarcoma
United Kingdom (John Radcliffe Hospital) - Leiomyosarcoma (myxoid)

Case 9 - Diagnosis:

Myxoid leiomyosarcoma, sigmoid colon region and mesentery
 T-64200, M-88903

Case 9 - References:

Caillaud J, Klijanienko J, et al. Fine-Needle Aspiration of Leiomyosarcoma. A Correlative Cytohistopathological Study of 96 Tumors in 68 Patients. *Diagn Cytopathol* 2003; 28(3):119-125.
 Fukunaga M. Neuro-Specific Enolase-Producing Leiomyosarcoma of the Mesentery. *APMIS* 2004; 112(2):105-108.
 Nagarsheth NP, Nicastrì DG, et al. Complete Surgical Resection of a 40 CM Leiomyosarcoma of the Large Bowel Mesentery. *J Surg Edu* 2007; 64(3):162-164.
 Nagarsheth NP, Nicastrì DG, Kashani M, et al. Complete Surgical Resection of a 40-CM Leiomyosarcoma of the Large Bowel Mesentery. *J Surg Educ* 2007; 64(3):162-164.
 Simonovich CJ, Hardman JM, Navin JJ, et al. An Unusual Abdominal Tumor-Leiomyosarcoma of the Mesentery. A Case Report. *Hawaii Med J* 2006; 65(1):18-20.

Case No. 10, Accession No. 30689

May 2008

Alameda (Alameda County Medical Center) - Renal cell carcinoma, chromophobe
Arcadia (ABC Laboratories) - Chromophobe renal cell carcinoma
Fontana (Kaiser Permanente) - Renal cell carcinoma chromophobe
Glendale - Chromophobe renal cell carcinoma
Las Vegas (Sunrise Hospital) - Renal cell carcinoma chromophobe type
Long Beach (Long Beach Veterans Hospital) - Chromophobe renal cell carcinoma
Long Beach (Veterans Long Beach) - Chromophobe renal cell carcinoma
Mountain View (El Camino Hospital) - Chromophobe cell carcinoma
Oakland - Chromophobe cell carcinoma

Orinda (Kaiser Permanente) - Chromophobe, renal cell carcinoma
Oxnard (St. John's Regional Medical Center) - Oncocytoma (1) Renal cell carcinoma (2)
San Diego (Scripps) - Chromophobe renal cell carcinoma
San Diego (Naval Medical Center) - Chromophobe renal cell carcinoma
San Diego (UCSD) - Chromophobe renal cell carcinoma
San Francisco (San Francisco General Hospital) - Chromophobe renal cell carcinoma
Santa Barbara - Chromophobe renal cell carcinoma
Santa Rosa (Santa Rosa Memorial Hospital) - Chromophobe renal cell carcinoma (3)
Sonoma (Sonoma Valley Hospital) - Chromophobe renal cell carcinoma
Woodland Hills (Kaiser Permanente) - Chromophobe renal cell carcinoma
Alabama (Baptist Medical Center) - Chromophobe renal cell carcinoma
Alabama (Cunningham Pathology, LLC) - Chromophobe renal cell carcinoma
Alabama (UAB) - Chromophobe carcinoma
Colorado (Fort Collins) - Chromophobe renal cell carcinoma
Colorado (McKee Medical Center) - Chromophobe renal cell carcinoma
Georgia (Decatur) - Chromophobe renal cell carcinoma
Georgia (Oconee Regional Medical Center) - Chromophobe renal cell carcinoma
Illinois (Burr Ridge) - Chromophobe renal cell carcinoma
Illinois (Oak Brook) - Renal cell carcinoma , chromophobe
Illinois (Heartland Regional Medical Center) - Chromophobe renal cell carcinoma
Illinois (Loyola University Medical Center) - Chromophobe renal cell carcinoma, kidney (2)
Iowa (Winnebago County Medical Hospital) - Chromophobe renal cell carcinoma
Indiana (St. Joseph Hospital) - Renal cell carcinoma, chromophobe cell type (1); Chromophobe cell carcinoma (1)
Kansas (Cytocheck Laboratory) - Oncocytoma (1); Chromophobe renal cell carcinoma (1)
Kentucky (University of Louisville Hospital) - Chromophobe renal cell carcinoma
Louisiana (Orleans Parish Coroner's Office) - Chromophobe renal cell carcinoma
Maryland (Howard University Hospital) - Chromophobe renal cell carcinoma
Maryland (Silver Springs) - Chromophobe renal cell carcinoma
Massachusetts (Berkshire Medical Center) - Chromophobe renal cell carcinoma
Massachusetts (Tufts New England Medical Center) - Renal cell carcinoma, chromophobe
Massachusetts (UMAS Memorial Medical Center) - Chromophobe renal cell carcinoma
Minnesota (Fairview Ridges Hospital) - Chromophobe renal cell carcinoma
Missouri (Missouri Delta Medical Center) - Chromophobe renal cell carcinoma
Nebraska (Creighton University Medical Center) - Chromophobe renal cell carcinoma
New Mexico , Albuquerque - Renal cell carcinoma, chromophobe type
New York (Erie County Medical Center) - Chromophobe renal cell carcinoma
New York, Horseheads - Chromophobe renal cell carcinoma
New York (Long Island Jewish Medical Center) - Chromophobe carcinoma
New York (St. Lukes Roosevelt Hospital) - Chromophobe renal cell carcinoma
New York (Stony Brook University Medical Center) - Chromophobe renal cell carcinoma
New York (SUNY Downstate Medical Center) - Chromophobe renal cell carcinoma
Ohio (Cleveland Clinic Foundation) - Chromophobe carcinoma
Ohio (St. Elizabeth Health Center) - Chromophobe renal cell carcinoma
Pennsylvania (Conemaugh Memorial Hospital) - Renal cell carcinoma chromophobe type (2)
Pennsylvania (Drexel University College of Medicine) - Chromophobe renal cell carcinoma
Pennsylvania (Lehigh Valley Hospital) - Chromophobe renal cell carcinoma
Pennsylvania (Magee Women's Hospital) - Chromophobe renal cell carcinoma
Texas, Crystal Beach - Renal cell carcinoma, chromophobe
Texas, Lubbock - Chromophobe carcinoma
Texas (Scott and White Hospital) - Chromophobe renal cell carcinoma
Texas (St. Lukes Episcopal Hospital) - Chromophobe carcinoma
Texas, Victoria - Chromophobe renal cell carcinoma
Washington (Madigan Army Medical Center) - Chromophobe renal cell carcinoma
Washington (VA Puget Sound Health Care System) - Urinary epithelial neoplasia, renal cell carcinoma, chromophobe
West Virginia (Greenbrier Valley Medical Center) - Renal cell carcinoma, chromophobe type
Wisconsin, Madison - Chromophobe renal cell carcinoma
Australia (Royal Hobart Hospital) - Chromophobe type of renal cell carcinoma

Canada (Pasqua Hospital) - Chromophobe carcinoma
Canada (University of Sherbrooke) - Chromophobe renal cell carcinoma
Hong Kong (Hong Kong Baptist Hospital) - Chromophobe cell carcinoma
Ireland, Dublin - Renal cell carcinoma, chromophobe type
Ireland (Kerry General Hospital) - Chromophobe renal cell carcinoma
Ireland (UCH Galway Residents) - Chromophobe renal cell carcinoma
Japan (Asashi City) - Chromophobe renal cell carcinoma
Japan (Kyoto University Hospital) - Chromophobe renal cell carcinoma
Japan (Saiseikai Maebashi Hospital) - Chromophobe carcinoma
Netherlands, Amstelveen - Chromophobe renal cell carcinoma
Oman, Azaiba - Chromophobe renal cell carcinoma
Saudi Arabia (King Abdulaziz Medical Center) - Renal cell carcinoma, chromophobe
United Kingdom (John Radcliffe Hospital) - Chromophobe renal cell carcinoma

Case 10 - Diagnosis:

Chromophobe carcinoma, kidney
 T-71000, M-83123

Case 10 - References:

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