



CALIFORNIA
TUMOR TISSUE REGISTRY

LYMPHOMA PATHOLOGY

Minutes – Subscription B

January 2002



SUGGESTED READING (General Topics from Recent Literature):

- High-Dose Therapy in Lymphomas: A Review of the current Status of Allogeneic and Autologous Stem Cell Transplantation in Hodgkin's Disease and Non-Hodgkin's Lymphoma. Mink SA, Armitage JO. *The Oncol* 2001; 6:247-256.
- Evaluation and Management of the "New" Lymphoma Entities: Mantle Cell Lymphoma, Lymphoma of Mucosa-Associated Lymphoid Tissue, Anaplastic Large-Cell Lymphoma, and Primary Mediastinal B-cell Lymphoma. Porcu P, Nichols CR. *Curr Probl Cancer*. 1998 Sep-Oct; 22(5):283-368.
- Diagnosing Primary and Metastatic Renal Cell Carcinoma: The Use of the Monoclonal Antibody "Renal Cell Carcinoma Marker". McGregor DK, Khurana KK, et al. *Am J Surg Pathol* 2001; 25 (December): 1485-1492.
- Neuroendocrine Neoplasms of the Lung. Cerilli LA, Ritter JH, et al. *Am J Clin Pathol* 2001; 116 (suppl 1); S65-S96.
- Angiotropic Lymphoma: An Immunophenotypically and Clinically Heterogenous Lymphoma. Yegappan S, Coupland R, et al. *Mod Pathol* 2001; 14 (11): 1147-1156

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FILE DIAGNOSES

CTTR Subscription B

January 2001

Case 1:

Hodgkin's disease, lymphocyte predominance, retroperitoneal
T-08580, M-9651/3

Case 2:

Castleman's disease, hyaline vascular type, chest wall
T-Y2150, M-72260

Case 3:

Follicular B-cell MALT lymphoma with focal transformation to large cell lymphoma, ileum
T-65520, M-9590/3

Case 4:

Intravascular large B-cell lymphoma, prostate
T-77100, M-9590/3

Case 5:

Hodgkin's lymphoma, nodular sclerosis type, mediastinum
T-08300, M-96573

Case 6:

Diffuse large B-cell lymphoma, inguinal region
T-Y7000, M-9590/3

Case 7:

Small lymphocytic lymphoma, arm
T-02617, M-95903

Case 8:

Small lymphocytic lymphoma/chronic lymphocytic leukemia (CLL), spleen
T-07000, M-9823/3

Case 9:

Diffuse large cell lymphoma, cecum
T-67100, M-9590/3

Case 10:

Hodgkin's disease, mixed cellularity, inguinal region
T-Y7000, M-9652/3

Escondido - Rosai-Dorfman disease
Los Angeles (USC Residents) - Nodular lymphocyte predominant Hodgkin's disease
Loma Linda - Hodgkin's granuloma
Modesto (Yosemite Pathology Medical Group) - Castleman's disease
Orange (UCI Medical Center Residents) - Hodgkin's lymphoma, mixed cellularity
Sacramento (UC Davis Medical Center) - Castleman's variant in the setting of Hodgkin's disease
Alabama (Cunningham Pathology) - Hodgkin's disease, mixed cellularity type
Arkansas (UAMS) - Mixed cellularity Hodgkin's lymphoma, interfollicular variant
Colorado (Unipath) - Hodgkin's disease
Florida, Ocala - Castleman's disease
Florida (Winter Haven Hospital) - Hodgkin's disease (2)
Georgia, Decatur - T-cell/histiocytic rich B cell lymphoma rule out Lennert's lymphoma
Illinois (Marion Memorial Hospital) - Lymphoid hyperplasia with epithelioid histiocytes (reactive lymphadenopathy) rule out toxoplasmosis
Indiana, Fort Wayne - Multicentric Castleman's disease, retroperitoneal lymph node (plasmacytic type)
Kansas (Coffeyville Regional Medical Center) - Castleman's disease vs. Hodgkin's disease
Maryland (National Naval Medical Center) - Diffuse lymphocyte rich Hodgkin's lymphoma (10); Rosai-Dorfman disease (5)
Massachusetts (Berkshire Medical Center) - Hodgkin's disease, mixed cellularity or lymphocyte predominant
Massachusetts (Brigham & Women's Hospital Residents) - Classical Hodgkin's lymphoma
Michigan (Spectrum Health) - Sinus histiocytosis with massive lymphadenopathy (1); Reactive lymphadenopathy, rule out toxoplasmosis, syphilis (1)
Michigan (St. Joseph Mercy Hospital) - Hodgkin's disease, interfollicular type
Michigan (St. Mary Mercy Hospital) - Rosai-Dorfman disease (1); Sinus histiocytosis, massive lymphadenopathy (1)
Mississippi (Kings Daughter Medical Center) - Hodgkin's disease, mixed cellularity
Mississippi (University of Mississippi Medical Center) - Hodgkin's disease
Missouri, Joplin - Lymphocyte predominant Hodgkin's disease
Nebraska (Good Samaritan Hospital) - Classic Hodgkin's disease, lymphocyte rich
New York (NUMC) - Hodgkin's lymphoma, nodular lymphocyte predominant, lymph node
New York (Quest Diagnostics) - Hodgkin's disease, NOS
Ohio, Columbus - Hodgkin's disease
Ohio (MCO Pathology) - Hodgkin's disease, lymphocyte predominant
Pennsylvania (Allegheny General Hospital) - Hodgkin's disease, recurrent
Pennsylvania (Memorial Medical Center Residents) - Hodgkin's lymphoma
Pennsylvania, Sewickley - Rosai-Dorfman disease
Rhode Island, Barrington - Hodgkin's lymphoma, interfollicular mixed cellularity
Tennessee, Nashville - Probable Hodgkin's lymphoma
Texas, Lubbock - Castleman's disease
Texas, San Antonio - Sinus histiocytosis with massive lymphadenopathy (SHML) (1); Hodgkin's interfollicular (1)
Texas (Scott & White Memorial Hospital) - Hodgkin's lymphoma, lymphocyte rich
Texas (Shannon Clinic Pathology Laboratory) - Recurrent Hodgkin's disease
Virginia (Shenandoah Valley Pathology Laboratory Inc.) - Hodgkin's disease vs. non-Hodgkin's lymphoma
Washington, DC - Hodgkin's disease mixed cellularity
Washington, Vancouver - Castleman's disease plasma cell type vs. treated Rosai-Dorfman disease
Canada (CUSE, Site Fleurimont) - Rosai-Dorfman disease
Canada (University of Calgary - Foothills Hospital) - Post transplant lymphoproliferative disorder, polymorphic
Japan (Hamamatsu University School of Medicine) - Nodular lymphocyte predominant Hodgkin's disease
Japan (Self Defense Hospital) - Langerhans' cell histiocytosis
The Netherlands, Amstelveen - Hodgkin's lymphoma (interfollicular type)
Puerto Rico (University of Puerto Rico) - Mixed cellularity classical Hodgkin's lymphoma
Saudi Arabia (King Khalid University Hospital) - Partial involvement by Hodgkin's lymphoma nodular sclerosis subtype

Case 1 - Diagnosis:

Hodgkin's disease, lymphocyte predominance, retroperitoneal

T-08580, M-9651/3

Consultation: Milton Drachenberg, M.D., Ph.D., LLUMC, "Hodgkin's Disease, lymphocyte predominance"

Case 1 - References:

Cossman J. Gene Expression Analysis of Single Neoplastic Cells and the Pathogenesis of Hodgkin's Lymphoma. *J Histochem Cytochem.* 2001 Jun; 49(6):799-800.

Lukes RJ, Buttlar JJ. The Pathology and Nomenclature of Hodgkin's Disease. *Cancer Res.* 1966 Jun; 26(6):1063-1083.
 Said JW, Sassoon AF, Shintaku IP, et al. Absence of bcl-2 Major Breakpoint Region and JH Gene Rearrangement in Lymphocyte Predominance Hodgkin's Disease. Results of Southern Blot Analysis and Polymerase Chain Reaction. *Am J Pathol.* 1991 Feb; 138(2):261-264.

Case No. 2, Accession No. 28987

January 2002

Escondido - Castleman's disease
Los Angeles (USC Residents) - Castleman's disease, hyaline vascular type
Loma Linda - Castleman's lesion, heavy vascular process
Modesto (Yosemite Pathology Medical Group) - Angiomatosis
Orange (UCI Medical Center Residents) - Castleman's disease
Sacramento (UC Davis Medical Center) - Castleman's disease
Alabama (Cunningham Pathology) - Castleman's disease, hyaline vascular variant
Arkansas (UAMS) - Castleman's disease, angiofollicular (hyaline vascular) variant
Colorado (Unipath) - Cutaneous T cell lymphoma
Florida, Ocala - Vascular transformation of lymph sinuses
Florida (Winter Haven Hospital) - Castleman's disease (2)
Georgia, Decatur - Castleman's disease, hyaline vascular type
Illinois (Marion Memorial Hospital) - Vascular transformation of sinuses
Indiana, Fort Wayne - Hyaline vascular type, Castleman's disease, lymphoid variant, chest wall
Kansas (Coffeyville Regional Medical Center) - Castleman's disease, plasma cell variant, late stage
Maryland (National Navel Medical Center) - Castleman's disease (11); Castleman's disease + Kaposi's sarcoma (2)
Massachusetts (Berkshire Medical Center) - Sinus histiocytosis or Langerhans cell histiocytosis
Massachusetts (Brigham & Women's Hospital Residents) - Castleman's disease - hyaline vascular type
Michigan (Spectrum Health) - Castleman's disease (1); Reactive lymphoid tissue consistent with sinus histiocytosis (1)
Michigan (St. Joseph Mercy Hospital) - Castleman's disease
Michigan (St. Mary Mercy Hospital) - Castleman's disease (2)
Mississippi (Kings Daughter Medical Center) - Castleman's disease
Mississippi (University of Mississippi Medical Center) - Kaposi's sarcoma vs. interdigitating cell sarcoma
Missouri, Joplin - Angioimmunoblastic lymphoma
Nebraska (Good Samaritan Hospital) - Castleman's disease
New York (NUMC) - Follicular dendritic cell tumor/sarcoma, chest wall
New York (Quest Diagnostics) - Follicular lymphoma
Ohio, Columbus - Castleman's disease
Ohio (MCO Pathology) - Hyaline vascular Castleman's disease
Pennsylvania (Allegheny General Hospital) - Follicular dendritic sarcoma
Pennsylvania (Memorial Medical Center Residents) - Castleman's disease
Pennsylvania, Sewickley - Castleman's disease
Rhode Island, Barrington - Angiofollicular lymphoid hyperplasia, hyaline vascular variant
Tennessee, Nashville - Castleman's disease, hyaline vascular type
Texas, Lubbock - Sinus histiocytosis
Texas, San Antonio - Castleman's disease (2)
Texas (Scott & White Memorial Hospital) - Castleman's disease
Texas (Shannon Clinic Pathology Laboratory) - Vascular transformation of lymph node sinuses
Virginia (Shenandoah Valley Pathology Laboratory Inc.) - Castleman's disease
Washington, DC - Follicular dendritic cell sarcoma
Washington, Vancouver - Hodgkin's disease, lymphocyte predominance
Canada (CUSE, Site Fleurimont) - Castleman's disease
Canada (University of Calgary – Foothills Hospital) - Castleman's disease, hyaline vascular
Japan (Hamamatsu University School of Medicine) - Castleman's tumor, hyaline vascular type
Japan (Self Defense Hospital) - Hodgkin's lymphoma
The Netherlands, Amstelveen - Follicular dendritic sarcoma
Puerto Rico (University of Puerto Rico) - Dendritic cell sarcoma/Castleman's disease, angiofollicular type
Saudi Arabia (King Khalid University Hospital) - Hodgkin's lymphoma, nodular sclerosis

Case 2 - Diagnosis:

Castleman's disease, hyaline vascular type, chest wall

T-Y2150, M-72260

Consultation: Milton Drachenberg, M.D., Ph. D., LLUMC, “Hyaline Vascular Castleman’s disease”

Case 2 - References:

Riccio A, Natale D, Pettinato G, Sparano L, Petto A, Puzziello A. Castleman's disease. *Ann Rheum Dis.* 2001 Feb; 60(2):176.

Menke DM, DeWald GW. Lack of Cytogenetic Abnormalities in Castleman's Disease. *South Med J.* 2001 May; 94(5):472-474.

Maslovsky I, Uriev L, Lugassy G. The Heterogeneity of Castleman’s Disease: Report of Five Cases and Review of the Literature. *Am J Med Sci.* 2000 Oct; 320(4):292-295.

Chan AC, Chan KW, Chan JK, et al. Development of Follicular Dendritic Cell Sarcoma in Hyaline-Vascular Castleman's Disease of the Nasopharynx: Tracing its Evolution by Sequential Biopsies. *Histopathology.* 2001 Jun; 38(6):510-518.

Case No. 3, Accession No. 28649

January 2001

Escondido - Mantle cell lymphoma

Los Angeles (USC Residents) - Follicular lymphoma with marginal zone differentiation (3), MALT lymphoma (3)

Loma Linda - Ileum lymphoma

Modesto (Yosemite Pathology Medical Group) - Low grade MALT lymphoma

Orange (UCI Medical Center Residents) - Follicular lymphoma

Sacramento (UC Davis Medical Center) - Follicular center lymphoma vs. Castleman’s disease

Alabama (Cunningham Pathology) - B-cell lymphoma, follicular large cell type

Arkansas (UAMS) - Follicular B-cell lymphoma, follicular pattern, grade II

Colorado (Unipath) - Follicular center cell lymphoma

Florida, Ocala - Follicular center lymphoma

Florida (Winter Haven Hospital) - Follicular center lymphoma, grade I, small cell cleaved (1); Follicular lymphoma, small cleaved cell type (1)

Georgia, Decatur - Follicular lymphoma, grade II

Illinois (Marion Memorial Hospital) - Malignant lymphoma, follicular, predominantly small cell cleaved

Indiana, Fort Wayne - Follicular lymphoma (B-cell type), distal ileum

Kansas (Coffeyville Regional Medical Center) - Follicular center lymphoma, mixed large and small cell

Maryland (National Naval Medical Center) - Follicle center cell lymphoma (11); MALT lymphoma (2)

Massachusetts (Berkshire Medical Center) - Follicular large B-cell lymphoma

Massachusetts (Brigham & Women’s Hospital Residents) - Follicular lymphoma, follicular and diffuse pattern, grade III

Michigan (Spectrum Health) - Follicular center lymphoma, grade II (1); Follicular lymphoma (1)

Michigan (St. Joseph Mercy Hospital) - Follicular lymphoma, grade II - III

Michigan (St. Mary Mercy Hospital) - Nodular small and large cell lymphoma (1); B-cell lymphoma, follicular and diffuse mixed large and small cell type (1)

Mississippi (Kings Daughter Medical Center) - Low grade B-cell lymphoma (MALT)

Mississippi (University of Mississippi Medical Center) - Follicular lymphoma

Missouri, Joplin - MALT lymphoma

Nebraska (Good Samaritan Hospital) - Low grade lymphoma of MALT

New York (NUMC) - Follicular cell lymphoma, ileum

New York (Quest Diagnostics) - Follicular lymphoma

Ohio, Columbus - Nodular (follicular) lymphoma

Ohio (MCO Pathology) - Low grade MALT lymphoma

Pennsylvania (Allegheny General Hospital) - Diffuse large cell lymphoma arising from MALT lymphoma consistent with parasitization of some of the germinal centers

Pennsylvania (Memorial Medical Center Residents) - Follicular B-cell lymphoma

Pennsylvania, Sewickley - Follicular small cleaved cell lymphoma

Rhode Island, Barrington - Follicular lymphoma, grade II

Tennessee, Nashville - Follicular lymphoma, FCC, grade II

Texas, Lubbock - Low grade MALToma

Texas, San Antonio - Malignant lymphoma, FCC (1); Extranodal marginal zone (1)

Texas (Scott & White Memorial Hospital) - Follicular lymphoma, WHO grade I

Texas (Shannon Clinic Pathology Laboratory) - Nodular small cleaved lymphoma

Virginia (Shenandoah Valley Pathology Laboratory Inc.) - Follicle center lymphoma

Washington, DC - MALT lymphoma, low grade

Washington, Vancouver - Malignant lymphoma, B-cell, MALT type

Canada (CUSE, Site Fleurimont) - MALToma

Canada (University of Calgary – Foothills Hospital) - Follicular lymphoma

Japan (Hamamatsu University School of Medicine) - Follicular lymphoma, grade III A

Japan (Self Defense Hospital) - Follicular lymphoma

The Netherlands, Amstelveen - Follicle center lymphoma
Puerto Rico (University of Puerto Rico) - Follicular lymphoma , grade II
Saudi Arabia (King Khalid University Hospital) - Malignant lymphoma of the follicular B-cell, grade III

Case 3 - Diagnosis:

Follicular B-cell MALT lymphoma with focal transformation to large cell lymphoma, ileum

T-65520, M-9590/3

Consultation: Milton Drachenberg, M.D., Ph.D., LLUMC. “Small bowel MALT lymphoma with massive follicular colonization and focal transformation to large cell lymphoma”

Case 3 - References:

Domizio P, Owen RA, Shepherd NA, Talbot IC, et al. Primary Lymphoma of the Small Intestine. A Clinicopathological Study of 119 Cases. *Am J Surg Pathol.* 1993 May; 17(5):429-42.
van Krieken JH, Otter R, Hermans J, et al. Malignant Lymphoma of the Gastrointestinal Tract and Mesentery. A Clinico-pathologic Study of the Significance of Histologic Classification. NHL Study Group of the Comprehensive Cancer Center West. *Am J Pathol.* 1989 Aug; 135(2):281-289.
Nakamura S, Matsumoto T, Takeshita M, et al. A Clinicopathologic Study of Primary Small Intestine Lymphoma: Prognostic Significance of Mucosa-associated Lymphoid Tissue-derived Lymphoma. *Cancer.* 2000 Jan 15; 88(2):286-294.
Chim CS, Au WY, Shek TW, Ho J, et al. Primary CD56 Positive Lymphomas of the Gastrointestinal Tract. *Cancer.* 2001 Feb 1; 91(3):525-533.
Ascoli V, Lo Coco F, Artini M, et al. Extranodal Lymphomas Associated with Hepatitis C Virus Infection. *Am J Clin Pathol.* 1998 May; 109(5):600-609.

Case No. 4, Accession No. 28946

January 2001

Escondido - B-cell CLL (chronic lymphocytic leukemia)
Los Angeles (USC Residents) - Intravascular large B-cell lymphoma
Loma Linda - Large B-cell lymphoma - vascular invasion
Modesto (Yosemite Pathology Medical Group) - Intravascular lymphomatosis
Orange (UCI Medical Center Residents) - Intravascular large B-cell lymphoma
Sacramento (UC Davis Medical Center) - Angiotropic large cell lymphoma
Alabama (Cunningham Pathology) - Angiotropic B-cell lymphoma, large cell type
Arkansas (UAMS) - Angiotropic large B-cell lymphoma (intravascular lymphomatosis)
Colorado (Unipath) - Angioinvasive lymphoma
Florida, Ocala - Diffuse large B-cell lymphoma
Florida (Winter Haven Hospital) - Follicular center cell lymphoma, grade II, mixed (1); Atypical intravascular lymphocytosis
Georgia, Decatur - Intravascular lymphomatosis
Illinois (Marion Memorial Hospital) - Intravascular B-cell lymphoma (angiotropic large cell lymphoma)
Indiana, Fort Wayne - Intravascular large B- cell lymphoma, prostate gland
Kansas (Coffeyville Regional Medical Center) - Intravascular large B-cell lymphoma
Maryland (National Naval Medical Center) - Intravascular lymphoma (13)
Massachusetts (Berkshire Medical Center) - Intravascular large B-cell lymphoma
Massachusetts (Brigham & Women's Hospital Residents) - Intravascular large B-cell lymphoma
Michigan (Spectrum Health) - Angiotropic (intravascular) large cell lymphoma (1); Intravascular large B-cell lymphoma (1)
Michigan (St. Joseph Mercy Hospital) - Intravascular lymphoma
Michigan (St. Mary Mercy Hospital) - Intravascular lymphoma (1); Intravascular large B-cell lymphoma (1)
Mississippi (Kings Daughter Medical Center) - Primary intravascular lymphoma
Mississippi (University of Mississippi Medical Center) - Intravascular lymphoma
Missouri, Joplin - MALT lymphoma
Nebraska (Good Samaritan Hospital) - Intravascular lymphomatosis
New York (NUMC) - Intravascular lymphoma, prostate
New York (Quest Diagnostics) - Intravascular lymphoma in prostate tissue
Ohio, Columbus - Intravascular large cell lymphoma
Ohio (MCO Pathology) - Intravascular B-cell lymphoma
Pennsylvania (Allegheny General Hospital) - Intravascular large B-cell lymphoma
Pennsylvania (Memorial Medical Center Residents) - Large B-cell lymphoma
Pennsylvania, Sewickley - Intravascular B-cell lymphoma
Rhode Island, Barrington - Intravascular large B-cell lymphoma

Tennessee, Nashville - Atypical intravascular B-cell lymphoid population, probable intravascular B-cell lymphoma, recommend additional work up to prove clonality
Texas, Lubbock - B-cell lymphoma. Angioimmunoblastic
Texas, San Antonio - Angiotropic lymphoma (1); Intravascular B-cell lymphoma (1)
Texas (Scott & White Memorial Hospital) - Intravascular large B-cell lymphoma
Texas (Shannon Clinic Pathology Laboratory) - Angiotropic large cell lymphoma (intravascular lymphomatosis)
Virginia (Shenandoah Valley Pathology Laboratory Inc.) - Intravascular lymphoma
Washington, DC - Intravascular lymphoma (B-cell)
Washington, Vancouver - Malignant lymphoma, large B-cell, intravascular
Canada (CUSE, Site Fleurimont) - B-chronic lymphocytic lymphoma infiltrate
Canada (University of Calgary – Foothills Hospital) - Intravascular large B-cell lymphoma
Japan (Hamamatsu University School of Medicine) - Intravascular large B-cell lymphoma
Japan (Self Defense Hospital) - Small lymphocytic lymphoma
The Netherlands, Amstelveen - Intravascular B-cell lymphoma
Puerto Rico (University of Puerto Rico) - Intravascular large B-cell lymphoma
Saudi Arabia (King Khalid University Hospital) - Malignant lymphoma, B-cell type (lymphovascular invasion)

Case 4 - Diagnosis:

Intravascular large B-cell lymphoma, prostate

T-77100, M-9590/3

Case 4 - References:

Conlin PA, Orden MB, Hough TR, Morgan DL. Myeloperoxidase-Positive Intravascular Large B-cell Lymphoma. *Arch Pathol Lab Med.* 2001 Jul; 125(7):948-950.
 Otrakji CL, Voigt W, Amador A, Nadji M, et al. Malignant Angioendotheliomatosis--A True Lymphoma: A Case of Intravascular Malignant Lymphomatosis Studied by Southern Blot Hybridization Analysis. *Hum Pathol.* 1988 Apr; 19(4):475-478.
 Banerjee SS, Harris M. Angiotropic Lymphoma Presenting in the Prostate. *Histopathology.* 1988 Jun; 12(6):667-670
 Ben-Ezra J, Sheibani K, Kendrick FE, et al. Angiotropic Large Cell Lymphoma of the Prostate Gland: an Immunohistochemical Study. *Hum Pathol.* 1986 Sep; 17(9):964-967.

Case No. 5, Accession No. 28832

January 2001

Escondido - Hodgkin's disease
Los Angeles (USC Residents) - Nodular sclerosing Hodgkin's lymphoma
Loma Linda - Hodgkin's lymphoma (nodular sclerosing)
Modesto (Yosemite Pathology Medical Group) - Nodular sclerosis Hodgkin's
Orange (UCI Medical Center Residents) - Hodgkin's lymphoma, nodular sclerosing
Sacramento (UC Davis Medical Center) - Hodgkin's disease, nodular sclerosing
Alabama (Cunningham Pathology) - Hodgkin's disease, nodular sclerosing type
Arkansas (UAMS) - Nodular sclerosis Hodgkin's lymphoma
Colorado (Unipath) - Hodgkin's disease
Florida, Ocala - Hodgkin's disease
Florida (Winter Haven Hospital) - Hodgkin's disease, nodular sclerosis (1); Hodgkin's disease (1)
Georgia, Decatur - Classical Hodgkin's lymphoma, nodular sclerosing type
Illinois (Marion Memorial Hospital) - Hodgkin's lymphoma, nodular sclerosis
Indiana, Fort Wayne - Nodular sclerosing Hodgkin's lymphoma, mediastinum
Kansas (Coffeyville Regional Medical Center) - Hodgkin's disease, nodular sclerosing type
Maryland (National Naval Medical Center) - Nodular sclerosing Hodgkin's lymphoma (13)
Massachusetts (Berkshire Medical Center) - Hodgkin's disease - nodular sclerosing type
Massachusetts (Brigham & Women's Hospital Residents) - Classical Hodgkin's lymphoma, nodular sclerosis subtype
Michigan (Spectrum Health) - Hodgkin's lymphoma, sclerosing fibrosis (1); Hodgkin's disease, nodular sclerosing (1)
Michigan (St. Joseph Mercy Hospital) - Nodular sclerosis Hodgkin's lymphoma
Michigan (St. Mary Mercy Hospital) - Hodgkin's disease, nodular sclerosis (1); Hodgkin's lymphoma, nodular sclerosing type
Mississippi (Kings Daughter Medical Center) - Hodgkin's disease, nodular sclerosing
Mississippi (University of Mississippi Medical Center) - Nodular sclerosing Hodgkin's lymphoma
Missouri, Joplin - Nodular sclerosing Hodgkin's disease
Nebraska (Good Samaritan Hospital) - Classic Hodgkin's, nodular sclerosis type
New York (NUMC) - Hodgkin's lymphoma, nodular sclerosing, mediastinum
New York (Quest Diagnostics) - Nodular sclerosing Hodgkin's disease
Ohio, Columbus - Hodgkin's disease

Ohio (MCO Pathology) - Nodular sclerosing Hodgkin's disease
Pennsylvania (Allegheny General Hospital) - Hodgkin's lymphoma, nodular sclerosis
Pennsylvania (Memorial Medical Center Residents) - Hodgkin's lymphoma, nodular sclerosing
Pennsylvania, Sewickley - Hodgkin's lymphoma
Rhode Island, Barrington - Hodgkin's lymphoma, nodular sclerosis, thymus
Tennessee, Nashville - Anaplastic large cell lymphoma
Texas, Lubbock - Hodgkin's lymphoma nodular sclerosis
Texas, San Antonio - Nodular sclerosis Hodgkin's (2)
Texas (Scott & White Memorial Hospital) - Hodgkin's disease, nodular sclerosing
Texas (Shannon Clinic Pathology Laboratory) - Hodgkin's disease, nodular sclerosing
Virginia (Shenandoah Valley Pathology Laboratory Inc.) - Lymphocyte predominance Hodgkin's
Washington, DC - Hodgkin's disease, nodular sclerosing
Washington, Vancouver - Hodgkin's disease, nodular sclerosing type
Canada (CUSE, Site Fleurimont) - Nodular sclerosis Hodgkin's disease
Canada (University of Calgary – Foothills Hospital) - Nodular sclerosis classical Hodgkin's lymphoma
Japan (Hamamatsu University School of Medicine) - Nodular sclerosis Hodgkin's lymphoma
Japan (Self Defense Hospital) - Classical Hodgkin's lymphoma (nodular sclerosis)
The Netherlands, Amstelveen - Hodgkin's lymphoma, nodular sclerosing
Puerto Rico (University of Puerto Rico) - Nodular sclerosis classical Hodgkin's lymphoma
Saudi Arabia (King Khalid University Hospital) - Nodular sclerosis, Hodgkin's lymphoma

Case 5 - Diagnosis:

Hodgkin's lymphoma, nodular sclerosis type, mediastinum

T-08300, M-96573

Case 5 - References:

van Spronsen DJ, Peh SC, Vrints LW, et al. Clinical Drug-resistant Nodular Sclerosing Hodgkin's Lymphoma is Associated with Decreased bcl-2 Expression in the Surrounding Lymphocytes and with Increased bcl-2 Expression in the Reed-Sternberg Cells. *Histopathology*. 2000 Nov; 37(5):420-426.
 Takeuchi K, Morishita Y, Fukayama M, Mori S. Marked Decrease in the Epstein-Barr Virus Positivity Rate in Nodular Sclerosis Subtype Hodgkin's Disease in Tokyo: Trend Between 1955 and 1999. *Br J Haematol*. 2001 May; 113(2): 429-31.
 Mohrmann RL, Arber DA. CD20-Positive Peripheral T-cell Lymphoma: Report of a Case After Nodular Sclerosis Hodgkin's Disease and Review of the Literature. *Mod Pathol*. 2000 Nov; 13(11):1244-1252.
 Ionescu I, Brice P, Simon D, Guermazi A, et al. Restaging with Gallium Scan Identifies Chemosensitive Patients and Predicts Survival of Poor-prognosis Mediastinal Hodgkin's Disease Patients. *Med Oncol*. 2000 May; 17(2):127-134.
 Levine GD, Rosai J. Thymic Hyperplasia and Neoplasia: A Review of Current Concepts. *Hum Pathol*. 1978 Sep; 9(5):495-515.

Case No. 6, Accession No. 29123

January 2001

Escondido - High grade B-cell lymphoma, Burkitt's type
Los Angeles (USC Residents) - Diffuse large B-cell lymphoma
Loma Linda - B-cell lymphoma
Modesto (Yosemite Pathology Medical Group) - Burkitt's lymphoma
Orange (UCI Medical Center Residents) - Burkitt's lymphoma
Sacramento (UC Davis Medical Center) - Large cell lymphoma, B phenotype, follicular origin
Alabama (Cunningham Pathology) - B-cell lymphoma, diffuse large cell, immunoblastic type
Arkansas (UAMS) - Diffuse large B-cell lymphoma
Colorado (Unipath) - Large cell lymphoma B-cell type
Florida, Ocala - Large B-cell lymphoma of follicular origin
Florida (Winter Haven Hospital) - Large cell lymphoma, diffuse (1); Anaplastic large cell lymphoma (1)
Georgia, Decatur - Diffuse large B-cell lymphoma
Illinois (Marion Memorial Hospital) - Malignant lymphoma, diffuse, large cell, B-cell type
Indiana, Fort Wayne - Diffuse large B-cell lymphoma, left inguinal lymph nodes
Kansas (Coffeyville Regional Medical Center) - Malignant lymphoma, diffuse, large cell, B-cell, kappa
Maryland (National Naval Medical Center) - Diffuse large B-cell lymphoma (13)
Massachusetts (Berkshire Medical Center) - Diffuse large B-cell lymphoma
Massachusetts (Brigham & Women's Hospital Residents) - Diffuse large B-cell lymphoma
Michigan (Spectrum Health) - Diffuse large B-cell lymphoma (1); Large B-cell lymphoma (1)
Michigan (St. Joseph Mercy Hospital) - Diffuse large B-cell lymphoma
Michigan (St. Mary Mercy Hospital) - High grade large B-cell lymphoma (1); Large B-cell lymphoma (1)

Mississippi (Kings Daughter Medical Center) - Large cell malignant lymphoma
Mississippi (University of Mississippi Medical Center) - Diffuse large B-cell lymphoma
Missouri, Joplin - B-cell lymphoblastic lymphoma
Nebraska (Good Samaritan Hospital) - Diffuse Large B-cell lymphoma
New York (NUMC) - Large B-cell lymphoma, inguinal nodes
New York (Quest Diagnostics) - Undifferentiated malignant lymphoma (Burkitt's-like)
Ohio, Columbus - Large cell lymphoma
Ohio (MCO Pathology) - Diffuse large B-cell lymphoma
Pennsylvania (Allegheny General Hospital) - Diffuse large B-cell lymphoma, T-cell rich, histiocyte rich (WHO)
Pennsylvania (Memorial Medical Center Residents) - Burkitt's lymphoma
Pennsylvania, Sewickley - Malignant lymphoma large B-cell
Rhode Island, Barrington - Diffuse large B-cell lymphoma, anaplastic variant
Tennessee, Nashville - Follicular lymphoma, grade III with predominantly a diffuse pattern
Texas, Lubbock - Anaplastic large cell lymphoma
Texas, San Antonio - Malignant lymphoma, diffuse large B-cell (1); Diffuse large B-cell lymphoma (1)
Texas (Scott & White Memorial Hospital) - Large B-cell lymphoma
Texas (Shannon Clinic Pathology Laboratory) - Anaplastic large cell lymphoma
Virginia (Shenandoah Valley Pathology Laboratory Inc.) - Follicular lymphoma, large cell type
Washington, DC - Diffuse large B-cell lymphoma
Washington, Vancouver - Malignant lymphoma, diffuse large B-cell
Canada (CUSE, Site Fleurimont) - Diffuse large B-cell lymphoma
Canada (University of Calgary – Foothills Hospital) - Diffuse large B-cell lymphoma
Japan (Hamamatsu University School of Medicine) - Diffuse large B-cell lymphoma
Japan (Self Defense Hospital) - Follicular lymphoma
The Netherlands, Amstelveen - Diffuse large B-cell lymphoma
Puerto Rico (University of Puerto Rico) - Diffuse large B-cell lymphoma
Saudi Arabia (King Khalid University Hospital) - Diffuse large B-cell lymphoma (high grade)

Case 6 - Diagnosis:

Diffuse large B-cell lymphoma, inguinal region

T-Y7000, M-9590/3

Consultation: Jeff Cao, M.D. LLUMC. "Diffuse large B-cell lymphoma"

Case 6 - References:

Stein H, Lennert K, Feller AC, Mason DY. Immunohistological Analysis of Human Lymphoma: Correlation of Histological and Immunological Categories. *Adv Cancer Res.* 1984; 42:67-147.
 Croce CM, Tsujimoto Y, Erikson J, Nowell P. Chromosome Translocations and B cell Neoplasia. *Lab Invest.* 1984 Sep; 51(3):258-267.
 Ramsay AD, Smith WJ, Isaacson PG. T-cell-rich B-cell Lymphoma. *Am J Surg Pathol.* 1988 Jun; 12(6):433-443.

Case No. 7, Accession No. 28660

January 2001

Escondido - B-cell small lymphocytic lymphoma
Los Angeles (USC Residents) - Small lymphocytic lymphoma with plasmacytoid differentiation
Loma Linda - Small cell lymphoma, arm
Modesto (Yosemite Pathology Medical Group) - B-cell small lymphocytic lymphoma
Orange (UCI Medical Center Residents) - Lymphoplasmacytic lymphoma
Sacramento (UC Davis Medical Center) - Small lymphocytic lymphoma, favor Waldenström's macroglobulinemia
Alabama (Cunningham Pathology) - Cutaneous B-cell lymphoma, small lymphocytic type
Arkansas (UAMS) - Small B-lymphocytic lymphoma, plasmacytoid
Colorado (Unipath) - Small lymphocytic lymphoma
Florida, Ocala - Small lymphocytic lymphoma
Florida (Winter Haven Hospital) - Small cell lymphoma, diffuse well-differentiated lymphatic lymphoma (WDLL) (1); Mantle cell lymphoma (1)
Georgia, Decatur - Chronic lymphocytic leukemia (CLL)/small lymphocytic lymphoma (SLL)
Illinois (Marion Memorial Hospital) - Malignant lymphoma, diffuse, large cell, mantle cell type
Indiana, Fort Wayne - Small cell lymphoma, skin (cutaneous B-cell lymphoma), (follicular center cell lymphoma)
Kansas (Coffeyville Regional Medical Center) - Well-differentiated small cell lymphoma/chronic lymphocytic leukemia (CLL)
Maryland (National Naval Medical Center) - Small lymphocytic lymphoma/chronic lymphocytic leukemia (13)

Massachusetts (Berkshire Medical Center) - Chronic lymphocytic leukemia (CLL)/small lymphocytic lymphoma (SLL)
Massachusetts (Brigham & Women's Hospital Residents) - Chronic lymphocytic leukemia/small lymphocytic lymphoma
Michigan (Spectrum Health) - B-cell small lymphocytic lymphoma (SLL)/chronic lymphocytic leukemia (CLL) (1); Low grade B-cell lymphoma (1)
Michigan (St. Joseph Mercy Hospital) - Small lymphocytic lymphoma
Michigan (St. Mary Mercy Hospital) - Chronic lymphocytic leukemia (CLL) (1); Small lymphocytic lymphoma (1)
Mississippi (Kings Daughter Medical Center) - Malignant lymphoma, small lymphocytic type
Mississippi (University of Mississippi Medical Center) - Chronic lymphocytic leukemia (CLL)/small lymphocytic lymphoma (SLL)
Missouri, Joplin - Mantle cell lymphoma
Nebraska (Good Samaritan Hospital) - Small lymphocytic lymphoma
New York (NUMC) - Small lymphocytic lymphoma of skin, arm
New York (Quest Diagnostics) - Large B-cell malignant lymphoma with Dutcher bodies
Ohio, Columbus - Small cell lymphoma
Ohio (MCO Pathology) - Follicular small B-cell lymphoma
Pennsylvania (Allegheny General Hospital) - Small lymphocyte lymphoma with plasmacytic features (AFIP fascicle 1995)
Pennsylvania (Memorial Medical Center Residents) - Small lymphocytic lymphoma
Pennsylvania, Sewickley - Small lymphocytic cell lymphoma (CLL)
Rhode Island, Barrington - Lymphoplasmacytic lymphoma
Tennessee, Nashville - Small lymphocytic lymphoma, plasmacytoid
Texas, Lubbock - Large cell lymphoma
Texas, San Antonio - Malignant lymphoma, small lymph (1); Chronic lymphocytic leukemia/small lymphocytic lymphoma (1)
Texas (Scott & White Memorial Hospital) - Lymphoplasmacytic lymphoma
Texas (Shannon Clinic Pathology Laboratory) - Cutaneous B-cell lymphoma, small cell type
Virginia (Shenandoah Valley Pathology Laboratory Inc.) - Small lymphocytic lymphoma (SLL)
Washington, DC - Cutaneous immunocytoma
Washington, Vancouver - Malignant lymphoma, small lymphocytic B-cell
Canada (CUSE, Site Fleurimont) - Diffuse B-cell lymphoma
Canada (University of Calgary – Foothills Hospital) - B-cell chronic lymphocytic leukemia (CLL)/small lymphocytic lymphoma (SLL)
Japan (Hamamatsu University School of Medicine) - Small lymphocytic lymphoma
Japan (Self Defense Hospital) - Small lymphocytic lymphoma
The Netherlands, Amstelveen - Chronic lymphocytic leukemia
Puerto Rico (University of Puerto Rico) - Small lymphocytic lymphoma
Saudi Arabia (King Khalid University Hospital) - Chronic lymphocytic lymphoma (B-cell type)

Case 7 - Diagnosis:

Small lymphocytic lymphoma, arm

T-02617, M-95903

Consultation: Milton Drachenberg, M.D., Ph.D., LLUMC. "Small lymphocytic lymphoma with pro-lymphocytoid transformation"

Case 7 - References:

Pugh WC, Manning JT, Butler JJ. Paraimmunoblastic Variant of Small Lymphocytic Lymphoma/Leukemia. *Am J Surg Pathol.* 1988 Dec;12(12):907-917.
 Ben-Ezra J, Burke JS, Swartz WG, et al. Small Lymphocytic Lymphoma: A Clinicopathologic Analysis of 268 Cases. *Blood.* 1989 Feb; 73(2):579-587.
 Zukerberg LR, Medeiros LJ, Ferry JA, Harris NL. Diffuse Low-grade B-cell Lymphomas. Four Clinically Distinct Subtypes Defined by a Combination of Morphologic and Immunophenotypic Features. *Am J Clin Pathol.* 1993 Oct; 100(4):373-385.

Case No. 8, Accession No. 28844

January 2001

Escondido - Follicular lymphoma
Los Angeles (USC Residents) - Small lymphocytic lymphoma
Loma Linda - Spleen - lymphoma
Modesto (Yosemite Pathology Medical Group) - B-cell small lymphocytic lymphoma vs. mantle cell
Orange (UCI Medical Center Residents) - Malignant B-cell lymphoma
Sacramento (UC Davis Medical Center) - B-cell lymphoma, non-follicular origin, mixed
Alabama (Cunningham Pathology) - Small lymphocytic lymphoma/chronic lymphocytic leukemia
Arkansas (UAMS) - Small B-lymphocytic lymphoma

Colorado (Unipath) - Marginal zone lymphoma
Florida, Ocala - Chronic lymphocytic lymphoma/chronic lymphocytic leukemia in transformation
Florida (Winter Haven Hospital) - Mantle cell lymphoma (2)
Georgia, Decatur - Chronic lymphocytic leukemia (CLL)/small lymphocytic lymphoma (SLL)
Illinois (Marion Memorial Hospital) - Malignant lymphoma, mantle cell type
Indiana, Fort Wayne - Splenic lymphoma (B-cell type)
Kansas (Coffeyville Regional Medical Center) - Well-differentiated small cell lymphoma/chronic lymphocytic leukemia
Maryland (National Navel Medical Center) - Small lymphocytic lymphoma (13)
Massachusetts (Berkshire Medical Center) - Chronic lymphocytic leukemia (CLL)
Massachusetts (Brigham & Women's Hospital Residents) - Chronic lymphocytic leukemia/small lymphocytic lymphoma
Michigan (Spectrum Health) - Lymphoplasmacytoid lymphoma (1); Small lymphocytic lymphoma (1)
Michigan (St. Joseph Mercy Hospital) - Lymphocytic lymphoma, small lymphocytic vs. mantle cell type
Michigan (St. Mary Mercy Hospital) - Chronic lymphocytic leukemia (CLL) – well-differentiated lymphatic lymphoma (WDLL) (1); Small lymphocytic lymphoma (1)
Mississippi (Kings Daughter Medical Center) - Follicular lymphoma
Mississippi (University of Mississippi Medical Center) - Chronic lymphocytic leukemia (CLL)
Missouri, Joplin - Mantle cell lymphoma
Nebraska (Good Samaritan Hospital) - Small lymphocytic lymphoma
New York (NUMC) - Small lymphocytic lymphoma/chronic lymphocytic leukemia, spleen
New York (Quest Diagnostics) - Follicular center cell lymphoma
Ohio, Columbus - Splenic B-cell lymphoma
Ohio (MCO Pathology) - Marginal zone lymphoma
Pennsylvania (Allegheny General Hospital) - Small lymphocyte lymphoma
Pennsylvania (Memorial Medical Center Residents) - Small lymphocytic lymphoma
Pennsylvania, Sewickley - Chronic lymphocytic lymphoma
Rhode Island, Barrington - Small lymphocytic lymphoma
Tennessee, Nashville - Splenic involvement by small lymphocytic lymphoma
Texas, Lubbock - Mantle zone lymphoma
Texas, San Antonio - Malignant lymphoma, small lymph (1); Marginal zone – splenic (1)
Texas (Scott & White Memorial Hospital) - Chronic lymphocytic leukemia (CLL)
Texas (Shannon Clinic Pathology Laboratory) - Small cell lymphoma
Virginia (Shenandoah Valley Pathology Laboratory Inc.) - Chronic lymphocytic leukemia consistent with increased prolymphs
Washington, DC - Chronic lymphocytic leukemia (B-cell)/small lymphocytic lymphoma
Washington, Vancouver - Malignant lymphoma, small lymphocytic B-cell
Canada (CUSE, Site Fleurimont) - Mantle cell lymphoma
Canada (University of Calgary – Foothills Hospital) - B-cell chronic lymphocytic leukemia (CLL)/small lymphocytic lymphoma (SLL)
Japan (Hamamatsu University School of Medicine) - Mantle cell lymphoma
Japan (Self Defense Hospital) - Small lymphocytic lymphoma
The Netherlands, Amstelveen - Chronic lymphocytic leukemia ?
Puerto Rico (University of Puerto Rico) - Small lymphocytic lymphoma
Saudi Arabia (King Khalid University Hospital) - Malignant lymphoma – small B-cell type

Case 8 - Diagnosis:

Small lymphocytic lymphoma/chronic lymphocytic leukemia (CLL), spleen

T-07000, M-9823/3

Case 8 - References:

Evans HL, Butler JJ, Youness EL. Malignant Lymphoma, Small Lymphocytic Type: A Clinicopathologic Study of 84 Cases with Suggested Criteria for Intermediate Lymphocytic Lymphoma. *Cancer*. 1978 Apr; 41(4):1440-1455.
 Sheibani K, Nathwani BN, Winberg CD, et al. Small lymphocytic lymphoma. Morphologic and Immunologic Progression. *Am J Clin Pathol*. 1985 Aug; 84(2):237-243.
 Melo JV, Hegde U, Parreira A, Thompson I, et al. Splenic B cell Lymphoma with Circulating Villous Lymphocytes: Differential Diagnosis of B cell Leukaemias with Large Spleens. *J Clin Pathol*. 1987 Jun; 40(6):642-651
 Arber DA, Rappaport H, Weiss LM. Non-Hodgkin's Lymphoproliferative Disorders Involving the Spleen. *Mod Pathol*. 1997 Jan; 10(1):18-32.
 Berger F, Felman P, Sonet A, et al. Nonfollicular Small B-cell Lymphomas: A Heterogeneous Group of Patients with Distinct Clinical Features and Outcome. *Blood*. 1994 May 15; 83(10):2829-2835.

Escondido - Diffuse large B-cell lymphoma
Los Angeles (USC Residents) - Burkitt's lymphoma
Loam Linda - Cecum – large cell lymphoma
Modesto (Yosemite Pathology Medical Group) - Diffuse large B-cell lymphoma
Orange (UCI Medical Center Residents) - High grade large B-cell lymphoma
Sacramento (UC Davis Medical Center) - Immunoblastic B-cell lymphoma
Alabama (Cunningham Pathology) - B-cell lymphoma, diffuse large cell type
Arkansas (UAMS) - Diffuse large B-cell lymphoma
Colorado (Unipath) - MALToma
Florida, Ocala - Diffuse large B-cell lymphoma vs. Burkitt's - like
Florida (Winter Haven Hospital) - Large cell lymphoma, diffuse (1); Immunoblastic lymphoma (1)
Georgia, Decatur - Diffuse large B-cell lymphoma
Illinois (Marion Memorial Hospital) - Malignant lymphoma, diffuse, large cell, B-cell type
Indiana, Fort Wayne - Large B-cell lymphoma, cecum
Kansas (Coffeyville Regional Medical Center) - MALT lymphoma
Maryland (National Navel Medical Center) - Diffuse B-cell lymphoma (7); High grade B-cell lymphoma (6)
Massachusetts (Berkshire Medical Center) - Diffuse large B-cell lymphoma
Massachusetts (Brigham & Women's Hospital Residents) - Diffuse large B-cell lymphoma
Michigan (Spectrum Health) - Marginal zone lymphoma (1); Large B-cell lymphoma (1)
Michigan (St. Joseph Mercy Hospital) - Diffuse large B-cell lymphoma
Michigan (St. Mary Mercy Hospital) - Burkitt's – like lymphoma (1); Large B-cell lymphoma (1)
Mississippi (Kings Daughter Medical Center) - Large cell malignant lymphoma
Mississippi (University of Mississippi Medical Center) - Diffuse large B-cell lymphoma
Missouri, Joplin - MALT lymphoma
Nebraska (Good Samaritan Hospital) - Diffuse large B-cell lymphoma
New York (NUMC) - Large B-cell lymphoma, ileocecal bowel
New York (Quest Diagnostics) - Immunoblastic lymphoma
Ohio, Columbus - Large cell lymphoma
Ohio (MCO Pathology) - Diffuse large B-cell lymphoma
Pennsylvania (Allegheny General Hospital) - Diffuse large B-cell lymphoma
Pennsylvania (Memorial Medical Center Residents) - Large B-cell lymphoma
Pennsylvania, Sewickley - Malignant lymphoma large B-cell
Rhode Island, Barrington - Diffuse large B-cell lymphoma, immunoblastic variant
Tennessee, Nashville - Diffuse large B-cell lymphoma
Texas, Lubbock - Large cell lymphoma
Texas, San Antonio - Malignant lymphoma diffuse large B-cell (1); Diffuse large B-cell lymphoma (DLBLL) (1)
Texas (Scott & White Memorial Hospital) - Large B-cell lymphoma
Texas (Shannon Clinic Pathology Laboratory) - Large cell lymphoma, B-cell type
Virginia (Shenandoah Valley Pathology Laboratory Inc.) - Mantle cell vs. MALToma
Washington, DC - MALT lymphoma, high grade (diffuse large B-cell)
Washington, Vancouver - Malignant lymphoma, monocytoid B-cell / MALT lymphoma
Canada (CUSE, Site Fleurimont) - Diffuse large B-cell lymphoma
Canada (University of Calgary – Foothills Hospital) - Diffuse large B-cell lymphoma
Japan (Hamamatsu University School of Medicine) - Diffuse large B-cell lymphoma
Japan (Self Defense Hospital) - Mantle cell lymphoma
The Netherlands, Amstelveen - Diffuse large B-cell lymphoma
Puerto Rico (University of Puerto Rico) - Diffuse large B-cell lymphoma
Saudi Arabia (King Khalid University Hospital) - Ulcerated large B-cell lymphoma

Case 9 - Diagnosis:**Diffuse large cell lymphoma, cecum**

T-67100, M-9590/3

Consultation: Milton Drachenberg, M.D., Ph.D., “Diffuse large B-cell lymphoma”**Case 9 - References:**

- Vandenberghe E, De Wolf-Peters C, van den Oord J, et al. Translocation (11;14): A Cytogenetic Anomaly Associated with B-cell Lymphomas of Non-follicle Centre Cell Lineage. *J Pathol.* 1991 Jan; 163(1):13-18.
- Harris NL, Jaffe ES, Stein H, et al. A Revised European-American Classification of Lymphoid Neoplasms: A Proposal from the International Lymphoma Study Group. *Blood.* 1994 Sep 1; 84(5):1361-1392.

Jagannath S, Velasquez WS, Tucker SL, et al. Tumor Burden Assessment and its Implication for a Prognostic Model in Advanced Diffuse Large-cell Lymphoma. *J Clin Oncol*. 1986 Jun; 4(6):859-865.
 Kossakowska AE, Huchcroft S, Boras V, et al. Prognostic Significance of Proliferative Activity of Diffuse Large Cell Lymphomas. *Hematol Pathol*. 1991; 5(3):101-107.

Case No. 10, Accession No. 18256

January 2001

Escondido - Hodgkin's disease
Los Angeles (USC Residents) - Hodgkin's lymphoma, mixed cellularity
Loma Linda - Hodgkin's disease
Modesto (Yosemite Pathology Medical Group) - Mixed cellularity vs. LD Hodgkin's
Orange (UCI Medical Center Residents) - Hodgkin's lymphoma
Sacramento (UC Davis Medical Center) - Classic Hodgkin's disease
Alabama (Cunningham Pathology) - Hodgkin's disease, nodular sclerosing, mixed cellularity variant
Arkansas (UAMS) - Anaplastic large cell lymphoma vs. mixed cellularity Hodgkin's lymphoma (needs immunologic data)
Colorado (Unipath) - Hodgkin's disease
Florida, Ocala - Peripheral T-cell lymphoma vs. Hodgkin's disease
Florida (Winter Haven Hospital) - Hodgkin's disease, mixed cellularity (1); Hodgkin's disease (1)
Georgia, Decatur - Classical Hodgkin's lymphoma, nodular sclerosing type
Illinois (Marion Memorial Hospital) - Hodgkin's lymphoma, mixed cellularity
Indiana, Fort Wayne - Hodgkin's lymphoma, lymphocyte depleted
Kansas (Coffeyville Regional Medical Center) - Hodgkin's lymphoma vs. anaplastic large cell lymphoma
Maryland (National Navel Medical Center) - Classic Hodgkin's lymphoma, mixed cellularity (12); T-cell lymphoma (1)
Massachusetts (Berkshire Medical Center) - Anaplastic large cell lymphoma vs. Hodgkin's disease, mixed cellularity
Massachusetts (Brigham & Women's Hospital Residents) - Classical Hodgkin's lymphoma, mixed cellularity subtype
Michigan (Spectrum Health) - Hodgkin's disease, mixed cellularity (1); Infectious mononucleosis (1)
Michigan (St. Joseph Mercy Hospital) - Nodular sclerosis, Hodgkin's disease
Michigan (St. Mary Mercy Hospital) - Hodgkin's disease (1); Hodgkin's lymphoma, mixed cellularity type (1)
Mississippi (Kings Daughter Medical Center) - Hodgkin's disease, lymphocyte depleted
Mississippi (University of Mississippi Medical Center) - Mixed cellularity, Hodgkin's lymphoma
Missouri, Joplin - Anaplastic large cell lymphoma (Hodgkin's variant)
Nebraska (Good Samaritan Hospital) - Classic Hodgkin's, mixed cellularity
New York (NUMC) - Hodgkin's lymphoma, mixed cellularity, groin
New York (Quest Diagnostics) - Anaplastic large cell lymphoma rule out T-cell type
Ohio, Columbus - Hodgkin's disease
Ohio (MCO Pathology) - Hodgkin's disease, lymphocyte depletion (rule out melanoma)
Pennsylvania (Allegheny General Hospital) - Mixed cellularity Hodgkin's disease
Pennsylvania (Memorial Medical Center Residents) - High grade B-cell lymphoma
Pennsylvania, Sewickley - Anaplastic large cell lymphoma
Rhode Island, Barrington - Reticulum cell sarcoma, interdigitating reticulum cell type
Tennessee, Nashville - Nodular sclerosis Hodgkin's lymphoma
Texas, Lubbock - Large cell lymphoma
Texas, San Antonio - Hodgkin's mixed cellularity (1); Nodular sclerosing Hodgkin's (1)
Texas (Scott & White Memorial Hospital) - Hodgkin's disease – mixed cellularity
Texas (Shannon Clinic Pathology Laboratory) - Hodgkin's disease, mixed cellularity
Virginia (Shenandoah Valley Pathology Laboratory Inc.) - Hodgkin's ? nodular sclerosing
Washington, DC - Hodgkin's disease, lymphocyte depleted
Washington, Vancouver - Hodgkin's disease, nodular sclerosing
Canada (CUSE, Site Fleurimont) - Mixed cellularity Hodgkin's disease
Canada (University of Calgary – Foothills Hospital) - Anaplastic large cell lymphoma
Japan (Hamamatsu University School of Medicine) - Nodular sclerosis Hodgkin's lymphoma
Japan (Self Defense Hospital) - Classical Hodgkin's lymphoma (mixed cellularity)
The Netherlands, Amstelveen - Hodgkin's lymphoma, mixed cellularity
Puerto Rico (University of Puerto Rico) - Mixed cellularity Hodgkin's lymphoma/lymphocyte-depleted classical Hodgkin's lymphoma
Saudi Arabia (King Khalid University Hospital) - Hodgkin's lymphoma, nodular sclerosis/syncytial variant

Case 10 - Diagnosis:

Hodgkin's disease, mixed cellularity, inguinal region

T-Y7000, M-9652/3

Consultation: Milton Drachenberg, M.D., Ph.D., “Hodgkin’s disease, mixed cellularity”

Case 10 - References:

Cossman J. Gene Expression Analysis of Single Neoplastic Cells and the Pathogenesis of Hodgkin's Lymphoma. *J Histochem Cytochem.* 2001 Jun; 49(6):799-800.

Lukes RJ, Buttlar JJ. The Pathology and Nomenclature of Hodgkin's Disease. *Cancer Res.* 1966 Jun; 26(6):1063-1083

Said JW, Sassoon AF, Shintaku IP, et al. Absence of bcl-2 Major Breakpoint Region and JH Gene Rearrangement in Lymphocyte Predominance Hodgkin's Disease. Results of Southern Blot Analysis and Polymerase Chain Reaction. *Am J Pathol.* 1991 Feb; 138(2):261-264.