



CALIFORNIA  
TUMOR TISSUE REGISTRY

“TUMORS OF LYMPH NODE AND SPLEEN”

Minutes – Subscription B

April, 2004



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

Mesenteric Fibromatosis With Involvement Of The Gastrointestinal Tract: A GIST Simulator. Rodriguez JA, Guarda LA, Rosai J. *Am J Clin Pathol*, 2004 Jan; 121:93-8.

Survival Among Women With Borderline Ovarian Tumors And Ovarian Carcinoma: A Population-Based Analysis. Sherman ME, Mink PJ, et al. *Cancer*, 2004 Mar; 100:1045-52.

The Prognostic Significance Of Tertiary Gleason Pattern 5 In Radical Prostatectomy Specimens. Mosse CA, Magi-Galluzzi C, et al. *Am J Surg Pathol*, 2004 Mar; 28:394-8.

Stem Cell Research: Why Medicine Should Reject Human Cloning. Cheshire Jr. WP, Pellegrino ED, Bevington LK, et al: *Mayo Clin Proc*, 2003; 78:1010-18.

Symposium on Geriatrics: Inappropriate Medications For Elderly Patients. Chutka DS, Takahashi PY, Hoel RW. *Mayo Clin Proc*, 2004; 79:122-39.

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## **FILE DIAGNOSES**

**CTTR Subscription B**

**April, 2004**

**Case 1:**

**Granulomatous inflammation suggestive of sarcoidosis, jugular lymph nodes  
T-08230, D-0828**

**Case 2:**

**Diffuse large B-cell lymphoma, mediastinum (thymic)  
T-Y2300, M-95903**

**Case 3:**

**Diffuse large B-cell lymphoma, colon  
T-67000, M-95903**

**Case 4:**

**Splenic histiocytosis, possibly storage disease (Gaucher), or lipid histiocytosis (“ceroid  
histiocytosis”)  
T-07000, M-77800**

**Case 5:**

**Diffuse large B-cell lymphoma, left cervical lymph node  
T-08200, M-95903**

**Case 6:**

**Necrotizing granulomatous splenitis  
T-07000, M-72020**

**Case 7:**

**Mantle zone lymphoma, blastoid variant, spleen  
T-07000, M-95903**

**Case 8:**

**Splenic marginal zone lymphoma  
T-07000, M-95903**

**Case 9:**

**Small lymphocytic lymphoma (SLL)/Chronic lymphocytic lymphoma (CLL), spleen  
T-07000, M-95903**

**Case 10:**

**Mantle cell lymphoma, spleen  
T-07000, M-95903**

Escondido - Sarcoidosis  
Glendale - Sarcoidosis  
Granada Hills - Sarcoidosis  
Orange (UCI Medical Center Residents) - Non-caseating granulomatous lymphadenitis  
Sacramento (UC Davis Medical Center) - Non-caseating granulomatous inflammation consistent with sarcoidosis  
San Francisco (San Francisco General Hospital) - Sarcoidosis  
Arizona (Phoenix Memorial Hospital) - Rosai-Dorfman Disease  
Colorado, Denver - Sarcoidosis  
Florida (Winter Haven Hospital) - Sarcoid  
Florida, Ocala - Sarcoid  
Georgia, Decatur - Non-caseating granulomatous inflammation consistent with sarcoidosis  
Illinois (Heartland Regional Medical Center) - Non-caseating granuloma, consistent with sarcoidosis  
Kansas (Coffeyville Regional Medical Center) - Sarcoidosis  
Kansas (Kansas University Medical Center) - Rule out sarcoidosis (2)  
Louisiana, Metairie - Granulomatous lymphadenitis  
Maryland (Johns Hopkins Medical Center) - Sarcoidosis  
Maryland (National Naval Medical Center) - Non-caseating granulomatous lymphadenitis suggestive of sarcoidosis  
Michigan (St. Joseph Mercy Hospital) - Granuloma consistent with sarcoidosis etiology  
New York (Nassau University Medical Center) - Sarcoidosis  
New York (Stony Brook University Hospital) - Sarcoidosis  
Pennsylvania (Allegheny General Hospital) - Non-caseating granulomas  
Pennsylvania (Drexel University College of Medicine) - Sarcoidosis  
Pennsylvania (Memorial Medical Center) - Sinus histiocytosis  
Texas (Scott & White Hospital) - Non-caseating granulomatous lymphadenitis consistent with sarcoid  
Texas, Lubbock - Sarcoidosis  
Texas, San Antonio - Granulomatosis, non-necrotizing (? toxic, sarcoid)  
Washington, D.C. - Granulomatous inflammation, sarcoid-type  
Canada (University of Calgary, Foothills Hospital) - Granulomatous lymphadenitis consistent with sarcoid  
China (Sir Run Run Shaw Hospital) - Sarcoidosis  
Italy, Naples - Non-caseating granulomatous inflammation consistent with sarcoidosis  
Japan (Hamamatsu University School of Medicine) - Sarcoidosis  
Japan (Gunma University Hospital) - Sarcoidosis  
Japan, Chiba - Non-caseating granulomas consistent with sarcoidosis  
Puerto Rico (University of Puerto Rico) - Granulomatous lymphadenitis, compatible with sarcoidosis  
Qatar, Doha - Granulomatous lymphadenitis, consistent with sarcoidosis  
Spain (Povisa) - Non-necrotizing granulomatous lymphadenitis  
The Netherlands, Amstelveen - Sarcoidosis

**Case 1 - Diagnosis:**

**Granulomatous inflammation suggestive of sarcoidosis, jugular lymph nodes  
T-08230-D-0828**

**Outside Consultation:** Jun Wang, M.D. (LLUMC, hematopathologist): Sarcoidosis.

**Case 1 - References:**

Tanoue LT, Mark EJ: Case Records of the Massachusetts General Hospital. Weekly Clinicopathological Exercises. Case 1-2003:A 43-Year-Old Man With Fever and Night Sweats. *N Engl J Med*, 2003 Jan 9; 348(2):151-61.  
Drake WP, Pei Z, Pride DT, et al: Molecular Analysis of Sarcoidosis Tissues For Mycobacterium Species DNA. *Emerg Infect Dis*, 2002 Nov; 8(11):1334-41.  
Yamada T, Eishi Y, Ikeda S, et al: In-situ Localization of Propionibacterium Acnes DNA in Lymph Nodes From Sarcoidosis Patients By Signal Amplification With Catalysed Reporter Deposition. *J Pathol*, 2002 Dec; 198(4):541-7.  
Giuffrida TJ, Kerdel FA: Sarcoidosis. *Dermatol Clin*, 2002 Jul; 20(3):435-47, vi. Review.  
Cetinkaya E, Yildiz P, Kadakal F, et al: Transbronchial Needle Aspiration in the Diagnosis of Intrathoracic Lymphadenopathy. *Respiration*, 2002; 69(4):335-8.

Escondido - Primary mediastinal (thymic) large B-cell lymphoma  
Glendale - Sclerosing B-cell lymphoma  
Granada Hills - Anaplastic large cell lymphoma  
Orange (UCI Medical Center Residents) - Mediastinal large B-cell lymphoma  
Sacramento (UC Davis Medical Center) - Mediastinal large B-cell lymphoma  
San Francisco (San Francisco General Hospital) - Mediastinal sclerosing large cell lymphoma, B-cell  
Arizona (Phoenix Memorial Hospital) - Mediastinal large B-cell lymphoma  
Colorado, Denver - Hodgkin's disease  
Florida (Winter Haven Hospital) - Lymphoma  
Florida, Ocala - Mediastinal large B-cell lymphoma  
Georgia, Decatur - Mediastinal large B-cell lymphoma  
Illinois (Heartland Regional Medical Center) - Malignant lymphoma, diffuse, large cell, B-cell type  
Kansas (Coffeyville Regional Medical Center) - T-cell rich large B-cell lymphoma  
Kansas (Kansas University Medical Center) - Diffuse large B-cell lymphoma, anaplastic (2)  
Louisiana, Metairie - Mediastinal large B-cell lymphoma  
Maryland (Johns Hopkins Medical Center) - Mediastinal large B-cell lymphoma  
Maryland (National Naval Medical Center) - Mediastinal diffuse large B-cell lymphoma  
Michigan (St. Joseph Mercy Hospital) - Large B-cell lymphoma  
New York (Nassau University Medical Center) - Thymic large B-cell lymphoma  
New York (Stony Brook University Hospital) - Primary mediastinal B-cell lymphoma  
Pennsylvania (Allegheny General Hospital) - Mediastinal large B-cell lymphoma  
Pennsylvania (Drexel University College of Medicine) - Diffuse large B-cell lymphoma  
Pennsylvania (Memorial Medical Center) - Small lymphocytic lymphoma  
Texas (Scott & White Hospital) - Diffuse large B-cell lymphoma  
Texas, Lubbock - Anaplastic large cell lymphoma  
Texas, San Antonio - Mediastinal large B-cell lymphoma  
Washington, D.C. - Primary mediastinal (thymic) large B-cell lymphoma  
Canada (University of Calgary, Foothills Hospital) - Mediastinal large B-cell lymphoma  
China (Sir Run Run Shaw Hospital) - Mediastinal large B-cell lymphoma  
Italy, Naples - Mediastinal (thymic) large B-cell lymphoma  
Japan (Hamamatsu University School of Medicine) - Mediastinal large B-cell lymphoma  
Japan (Gunma University Hospital) - Mediastinal large B-cell lymphoma  
Japan, Chiba - Mediastinal large B-cell lymphoma  
Puerto Rico (University of Puerto Rico) - Mediastinal large B-cell lymphoma  
Qatar, Doha - Mediastinal large "B" cell lymphoma with sclerosis  
Spain (Povisa) - Mediastinal large B-cell lymphoma  
The Netherlands, Amstelveen - Sclerosing mediastinal B-cell malignant lymphoma

**Case 2 - Diagnosis:**

**Diffuse large B-cell lymphoma, mediastinum (thymic)**  
**T-Y2300, M-95903**

**Outside Consultation:** Jun Wang, M.D. (LLUMC, hematopathologist): Mediastinal (thymic) diffuse large B-cell lymphoma (WHO classification).

**Case 2 - References:**

- Zinzani PL, Martelli M, Bendandi M, et al: Primary Mediastinal Large B-Cell Lymphoma With Sclerosis: A Clinical Study of 89 Patients Treated With MACOP-B Chemotherapy and Radiation Therapy. *Haematologica*, 2001 Feb; 86(2):187-91.  
 Nguyen LN, Ha CS, Hess M, et al: The Outcome of Combined-Modality Treatments For Stage I and II Primary Large B-Cell Lymphoma of the Mediastinum. *Int J Radiat Oncol Biol Phys*, 2000 Jul 15; 47(5):1281-5.  
 Popat U, Przepiork D, Champlin R, et al: High-Dose Chemotherapy For Relapsed and Refractory Diffuse Large B-Cell Lymphoma: Mediastinal Localization Predicts For A Favorable Outcome. *J Clin Oncol*, 1998 Jan; 16(1):63-9.  
 Itami J, Hara R, Komiyama T, et al: Role of Radiation Therapy in the Management of Primary Mediastinal Large B-Cell Lymphoma (PMLBL). *Radiat Med*, 2002 Nov-Dec; 20(6):311-8.  
 Bieri S, Roggero E, Zucca E, et al: Primary Mediastinal Large B-Cell Lymphoma (PMLBCL): The Need For Prospective Controlled Clinical Trials. *Leuk Lymphoma*, 1999 Sep; 35(1-2):139-46.

Escondido - B-cell lymphoma, MALT type  
Glendale - High grade B-cell lymphoma  
Granada Hills - Marginal zone lymphoma  
Orange (UCI Medical Center Residents) - Diffuse large B-cell lymphoma  
Sacramento (UC Davis Medical Center) - Diffuse large B-cell lymphoma  
San Francisco (San Francisco General Hospital) - Diffuse large B-cell lymphoma  
Arizona (Phoenix Memorial Hospital) - Extra-nodal marginal zone B-cell lymphoma (MALT lymphoma)  
Colorado, Denver - Diffuse large cell lymphoma  
Florida (Winter Haven Hospital) - Large cell lymphoma  
Florida, Ocala - Diffuse large B-cell lymphoma  
Georgia, Decatur - Diffuse large B-cell lymphoma  
Illinois (Heartland Regional Medical Center) - Malignant lymphoma, large cell, MALT type  
Kansas (Coffeyville Regional Medical Center) - Malignant lymphoma, diffuse, large B-cell  
Kansas (Kansas University Medical Center) - Diffuse large B-cell lymphoma (2)  
Louisiana, Metairie - Diffuse large B-cell lymphoma  
Maryland (Johns Hopkins Medical Center) - Large B-cell lymphoma  
Maryland (National Naval Medical Center) - Diffuse large B-cell lymphoma  
Michigan (St. Joseph Mercy Hospital) - Diffuse large B-cell lymphoma  
New York (Nassau University Medical Center) - Diffuse large B-cell lymphoma  
New York (Stony Brook University Hospital) - Diffuse large B-cell lymphoma  
Pennsylvania (Allegheny General Hospital) - Diffuse large B-cell lymphoma  
Pennsylvania (Drexel University College of Medicine) - Diffuse large B-cell lymphoma  
Pennsylvania (Memorial Medical Center) - Diffuse large B-cell lymphoma  
Texas (Scott & White Hospital) - Burkitt's lymphoma  
Texas, Lubbock - Diffuse follicle center large cell lymphoma, B-cell type  
Texas, San Antonio - Burkitt's  
Washington, D.C. - MALT with monocytoid cells (B)  
Canada (University of Calgary, Foothills Hospital) - Diffuse large B-cell lymphoma  
China (Sir Run Run Shaw Hospital) - Diffuse large B-cell lymphoma  
Italy, Naples - Diffuse large B-cell lymphoma  
Japan (Hamamatsu University School of Medicine) - Diffuse large B-cell lymphoma  
Japan (Gunma University Hospital) - Diffuse large B-cell lymphoma  
Japan, Chiba - Diffuse large B-cell lymphoma  
Puerto Rico (University of Puerto Rico) - Extranodal diffuse large B-cell lymphoma  
Qatar, Doha - Diffuse large "B" cell lymphoma  
Spain (Povisa) - Large B-cell lymphoma  
The Netherlands, Amstelveen - Diffuse large B-cell lymphoma

**CASE 3 - Diagnosis:**

**Diffuse large B-cell lymphoma, colon  
T-67000, M-95903**

**Outside Consultation:** Jun Wang, M.D. (LLUMC, hematopathologist): Diffuse large B-cell lymphoma.

**Case 3 - References:**

- Zigheboim J, Larson MV: Primary Colonic Lymphoma: Clinical Presentation, Histopathologic Features, and Outcome With Combination Chemotherapy. *J Clin Gastroenterol*, 1994 Jun; 18(4):291-7.
- Zinzani PL, Magagnoli M, Pagliani G, et al: Primary Intestinal Lymphoma: Clinical and Therapeutic Features of 32 Patients. *Haematologica*, 1997 May-Jun; 82(3):305-8. Review.
- Tedeschi L, Romanelli A, Dallavalle G, et al: Stages I and II Non-Hodgkin's Lymphoma of the Gastrointestinal Tract. Retrospective Analysis of 79 Patients and Review of the Literature. *J Clin Gastroenterol*, 1994 Mar; 18(2):99-104. Review.
- Koh PK, Horsman JR, Radstone CR, et al: Localized Extranodal Non-Hodgkin's Lymphoma of the Gastrointestinal Tract: Sheffield Lymphoma Group Experience (1989-1998). *Int J Oncol*, 2001 Apr; 18(4):743-8.

Escondido - Ceroid histiocytosis  
Glendale - Storage disease  
Granada Hills - Idiopathic thrombocytopenia versus chronic storage disease  
Orange (UCI Medical Center Residents) - Idiopathic thrombocytopenic purpura  
Sacramento (UC Davis Medical Center) - Storage disease  
San Francisco (San Francisco General Hospital) - Glycogen storage disorder  
Arizona (Phoenix Memorial Hospital) - Gaucher's disease, adult type  
Colorado, Denver - Malignant histiocytic lymphoma  
Florida (Winter Haven Hospital) - Whipple's disease  
Florida, Ocala - Gaucher's versus pseudo-Gaucher's spleen  
Georgia, Decatur - Histiocytosis, rule out metabolic storage disorder  
Illinois (Heartland Regional Medical Center) - Lipid storage disease, favor Gaucher's disease  
Kansas (Coffeyville Regional Medical Center) - Niemann-Pick lipidosis  
Kansas (Kansas University Medical Center) - Storage disease, Niemann Pick ? (2)  
Louisiana, Metairie - Lipid storage disease  
Maryland (Johns Hopkins Medical Center) - Adult-onset Gaucher  
Maryland (National Naval Medical Center) - Storage Disease consistent with Niemann-Pick Disease  
Michigan (St. Joseph Mercy Hospital) - Histiocytic storage disorder of uncertain type  
New York (Nassau University Medical Center) - Niemann-Pick disease  
New York (Stony Brook University Hospital) - Storage disease, favor Niemann-Pick, type B  
Pennsylvania (Allegheny General Hospital) - Storage disease  
Pennsylvania (Drexel University College of Medicine) - Lysosomal storage disease, favor Niemann-Pick disease  
Pennsylvania (Memorial Medical Center) - Anaplastic large cell lymphoma  
Texas (Scott & White Hospital) - Gaucher's disease versus sinus histiocytosis  
Texas, Lubbock - Gaucher disease  
Texas, San Antonio - Storage disease - ? Gaucher  
Washington, D.C. - Storage disease (Gaucher's)  
Canada (University of Calgary, Foothills Hospital) - Niemann-Pick disease  
China (Sir Run Run Shaw Hospital) - Niemann-Pick disease  
Italy, Naples - Ceroid histiocytosis, possibly secondary to ITP  
Japan (Hamamatsu University School of Medicine) - Splenic marginal zone lymphoma associated with ITP  
Japan (Gunma University Hospital) - Histiocytic sarcoma  
Japan, Chiba - Consistent with idiopathic thrombocytopenic purpura  
Puerto Rico (University of Puerto Rico) - Histiocytosis (storage disease or infectious process)  
Qatar, Doha - Storage Disease suggestive of Gaucher's  
Spain (Povisa) - Histiocytosis  
The Netherlands, Amstelveen - Storage disease (Gaucher disease)

**Case 4 - Diagnosis:**

**Splenic histiocytosis, possibly storage disease (Gaucher), or lipid histiocytosis ("ceroid histiocytosis")**  
**T-07000, M-77800**

**Outside Consultation:** Jun Wang, M.D. (LLUMC, hematopathologist): Massive splenomegaly with histiocytosis.

**Outside Consultation:** Impath Laboratories: Splenic histiocytosis. The histiocytes likely represent ceroid histiocytes.

**Case 4 - References:**

- Du E, Overstreet K, Zhou W, et al: Fine Needle Aspiration of Splenic Extramedullary Hematopoiesis Presenting As A Solitary Mass: A Case Report. *Acta Cytol*, 2002 Nov-Dec; 46(6):1138-42.  
 Austin GE, Giltman LI, Varma V, King-Thompson, N: Myeloid Metaplasia Presenting As A Splenic Mass: Report of A Case With Fine-Needle Aspiration Cytology. *Diagn Cytopathol*, 2000 Nov; 23(5):359-61.  
 Raab SS, Silverman JF, McLeod DL, Geisinger KR: Fine-Needle Aspiration Cytology of Extramedullary Hematopoiesis (Myeloid Metaplasia). *Diagn Cytopathol*, 1993 Oct; 9(5):522-6.  
 Cristallini EG, Peciarolo A, Bolis GB, Valenti L: Fine Needle Aspiration Biopsy Diagnosis of a Splenic Metastasis From A Papillary Serous Ovarian Adenocarcinoma. *Acta Cytol*, 1991 Sep-Oct; 35(5):560-2.

Escondido - Diffuse large B-cell lymphoma  
Glendale - High grade B-cell lymphoma  
Granada Hills - Hodgkin's lymphoma, mixed cellularity  
Orange (UCI Medical Center Residents) - Anaplastic large B-cell lymphoma  
Sacramento (UC Davis Medical Center) - Large B-cell lymphoma, anaplastic variant  
San Francisco (San Francisco General Hospital) - Anaplastic large cell lymphoma  
Arizona (Phoenix Memorial Hospital) - Anaplastic large cell lymphoma  
Colorado, Denver - Hodgkin's disease  
Florida (Winter Haven Hospital) - Anaplastic large cell lymphoma  
Florida, Ocala - Diffuse large B-cell lymphoma  
Georgia, Decatur - Diffuse large B-cell lymphoma, anaplastic variant  
Illinois (Heartland Regional Medical Center) - Malignant lymphoma, B-cell, anaplastic  
Kansas (Coffeyville Regional Medical Center) - Diffuse large B-cell anaplastic lymphoma (CD30+)  
Kansas (Kansas University Medical Center) - Diffuse large B-cell lymphoma (2)  
Louisiana, Metairie - Lymphocyte depletion Hodgkin's disease  
Maryland (Johns Hopkins Medical Center) - Large B-cell lymphoma  
Maryland (National Naval Medical Center) - Diffuse large B-cell lymphoma, anaplastic variant  
Michigan (St. Joseph Mercy Hospital) - Anaplastic large B-cell lymphoma  
New York (Nassau University Medical Center) - Large B-cell lymphoma, anaplastic type  
New York (Stony Brook University Hospital) - Diffuse large B-cell lymphoma versus anaplastic large cell lymphoma  
Pennsylvania (Allegheny General Hospital) - Diffuse large B-cell lymphoma, anaplastic variant (WHO 2001)  
Pennsylvania (Drexel University College of Medicine) - Diffuse large B-cell lymphoma  
Pennsylvania (Memorial Medical Center) - Anaplastic large cell lymphoma  
Texas (Scott & White Hospital) - Diffuse large B-cell lymphoma  
Texas, Lubbock - Anaplastic large cell lymphoma  
Texas, San Antonio - Diffuse large B-cell lymphoma, anaplastic variant  
Washington, D.C. - Anaplastic large cell lymphoma  
Canada (University of Calgary, Foothills Hospital) - Diffuse large B-cell lymphoma, anaplastic variant  
China (Sir Run Run Shaw Hospital) - Diffuse large B-cell lymphoma, anaplastic variant  
Italy, Naples - Anaplastic large cell lymphoma  
Japan (Hamamatsu University School of Medicine) - Diffuse large B-cell lymphoma  
Japan (Gunma University Hospital) - Diffuse large B-cell lymphoma, anaplastic variant  
Japan, Chiba - Diffuse large B-cell lymphoma  
Puerto Rico (University of Puerto Rico) - Diffuse large B-cell lymphoma, anaplastic  
Qatar, Doha - Anaplastic large B-cell lymphoma  
Spain (Povisa) - Anaplastic large B-cell lymphoma  
The Netherlands, Amstelveen - Malignant lymphoma, unclassifiable (probable diffuse large B-cell lymphoma)

**Case 5 - Diagnosis:**

**Diffuse large B-cell lymphoma, left cervical lymph node  
T-08200, M-95903**

**Outside Consultation:** Jun Wang, M.D. (LLUMC, hematopathologist): Diffuse large B-cell lymphoma.

**Outside Consultation:** Impath Laboratories: Diffuse large B-cell lymphoma with anaplastic features and aberrant expression of CD15.

**Case 5 - References:**

NG WK, Ip P, Choy C, Collins RJ: Cytologic and Immunohistochemical Findings of Anaplastic Large Cell Lymphoma: Analysis of Ten Fine-Needle Aspiration Specimens Over a 9-Year Period. *Cancer (Cancer Cytopathol)*, 2003 Feb 25; 99(1):33-43.  
Harris NL, Jaffe ES, Diebold J, et al: Lymphoma Classification--From Controversy to Consensus: R.E.A.L. And WHO Classification of Lymphoid Neoplasms. *Ann Oncol*, 2000; 11(Suppl 1):3-10. Review  
Falini B, Pileri S, Zinzani PL, et al: ALK+ Lymphoma: Clinico-pathological Findings and Outcome. *Blood*, 1999 Apr; 93(8):2697-706.

Escondido - Amyloidosis  
Glendale - Granulomatous splenitis  
Granada Hills - Splenic congestion and infarction  
Orange (UCI Medical Center Residents) - Caseating granulomatous inflammation  
Sacramento (UC Davis Medical Center) - Amyloidosis with granulomatous inflammation  
San Francisco (San Francisco General Hospital) - Caseating granulomatous process  
Arizona (Phoenix Memorial Hospital) - Caseating granulomas of spleen  
Colorado, Denver - Granulomatous inflammation  
Florida (Winter Haven Hospital) - Leishmaniasis  
Florida, Ocala - Amyloid and para-amyloid granulomatosis  
Georgia, Decatur - Necrotizing granulomatous inflammation with giant cells  
Illinois (Heartland Regional Medical Center) - Necrotizing granuloma, favor infection  
Kansas (Coffeyville Regional Medical Center) - Necrotizing granulomatous splenitis  
Kansas (Kansas University Medical Center) - Amyloidosis and granulomas (2)  
Louisiana, Metairie - Epithelioid granulomatosis  
Maryland (Johns Hopkins Medical Center) - Granulomatous inflammation, pending more bug stains  
Maryland (National Naval Medical Center) - Necrotizing granulomatous process, differential diagnosis includes visceral Leishmaniasis  
Michigan (St. Joseph Mercy Hospital) - Necrotic granuloma of uncertain etiology  
New York (Nassau University Medical Center) - Vasculitis with granulomatosis  
New York (Stony Brook University Hospital) - Necrotizing granulomatous inflammation  
Pennsylvania (Allegheny General Hospital) - Necrotizing granulomas  
Pennsylvania (Drexel University College of Medicine) - Infectious granulomatous disease, favor Leishmaniasis  
Pennsylvania (Memorial Medical Center) - Sarcoid  
Texas (Scott & White Hospital) - Non-caseating granulomas of spleen with sarcoid  
Texas, Lubbock - Non-caseating granuloma  
Texas, San Antonio - Granuloma  
Washington, D.C. - Granulomatous inflammation with amyloid  
Canada (University of Calgary, Foothills Hospital) - Leishmaniasis  
China (Sir Run Run Shaw Hospital) - Granulomatous inflammation, histoplasmosis  
Italy, Naples - Granulomatous splenitis, rule out amyloid  
Japan (Hamamatsu University School of Medicine) - Granulomatous inflammation, favor cryptococcosis  
Japan (Gunma University Hospital) - Tuberculosis  
Japan, Chiba - Consistent with cryptococcosis of spleen  
Puerto Rico (University of Puerto Rico) - Necrotizing granulomatous lymphadenitis, suggestive of infectious process (chlamydia-like inclusions)  
Qatar, Doha - Granulomatous inflammation of spleen probably secondary to parasitic infestation  
Spain (Povisa) - Necrotizing granulomatosis  
The Netherlands, Amstelveen - Granulomatous inflammation and necrosis

**Case 6 - Diagnosis:****Necrotizing granulomatous splenitis****T-07000, M-95903****Outside Consultation:** Jun Wang, M.D. (LLUMC, hematopathologist): Consistent with sarcoidosis.**Case 6 - References:**

- Thanos L, Zormpala A, Brountzos E, et al: Nodular Hepatic and Splenic Sarcoidosis in a Patient With Normal Chest Radiograph. *Eur J Radiol*, 2002 Jan; 41(1):10-1.  
 Warshauer DM, Molina PL, Hamman SM, et al: Nodular Sarcoidosis of the Liver and Spleen: Analysis of 32 Cases. *Radiology*, 1995 Jun; 195(3):757-62.  
 Scott GC, Berman JM, Higgins JL, Jr: CT Patterns of Nodular Hepatic and Splenic Sarcoidosis: A Review of the Literature. *J Comput Assist Tomogr*, 1997 May-Jun; 21(3):369-72. Review.  
 Fretzayas A, Moustaki M, Kitsiou S, et al: Splenic Granulomatous Lesions In Immunocompetent Pediatric Patients With Visceral Leishmaniasis. *Scand J Infect Dis* (Sweden), 2001; 33(11):865-7.  
 Engle RL, Jr: Sarcoid and Sarcoid-Like Granulomas: A Study of Twenty-Seven Post-mortem Examinations. *Am J Pathol*, 1953 Jan-Feb; 29(1):53-69.



Escondido - Marginal zone lymphoma  
Glendale - High grade B-cell lymphoma  
Granada Hills - Myelofibrosis versus CML  
Orange (UCI Medical Center Residents) - Mantle cell lymphoma, blastoid variant  
Sacramento (UC Davis Medical Center) - Mantle cell lymphoma  
San Francisco (San Francisco General Hospital) - Mantle cell lymphoma  
Arizona (Phoenix Memorial Hospital) - Follicular center cell lymphoma  
Colorado, Denver - Marginal zone lymphoma  
Florida (Winter Haven Hospital) - Mantle cell lymphoma  
Florida, Ocala - Lymphoplasmacytic lymphoma  
Georgia, Decatur - High grade B-cell lymphoma, ? large B-cell lymphoma  
Illinois (Heartland Regional Medical Center) - Malignant lymphoma, B-cell, favor marginal zone lymphoma  
Kansas (Coffeyville Regional Medical Center) - Diffuse large B-cell lymphoma  
Kansas (Kansas University Medical Center) - Hairy cell leukemia (2)  
Louisiana, Metairie - Mantle cell lymphoma  
Maryland (Johns Hopkins Medical Center) - Mantle cell lymphoma  
Maryland (National Naval Medical Center) - Mantle cell lymphoma  
Michigan (St. Joseph Mercy Hospital) - Burkitt-like lymphoma  
New York (Nassau University Medical Center) - Mantle cell lymphoma, blastoid variant  
New York (Stony Brook University Hospital) - Mantle cell lymphoma  
Pennsylvania (Allegheny General Hospital) - Mantle zone lymphoma, blastoid variant  
Pennsylvania (Drexel University College of Medicine) - Mantle cell lymphoma  
Pennsylvania (Memorial Medical Center) - Mantle cell lymphoma  
Texas (Scott & White Hospital) - Diffuse large B-cell lymphoma  
Texas, Lubbock - Nodular follicular center large cell lymphoma, B-cell type  
Texas, San Antonio - Blastic Mantle cell  
Washington, D.C. - Malignant lymphoma, large cell, diffuse (B)  
Canada (University of Calgary, Foothills Hospital) - CD-5 negative Mantle zone lymphoma  
China (Sir Run Run Shaw Hospital) - Mantle cell lymphoma  
Japan (Hamamatsu University School of Medicine) - Lymphoplasmacytic lymphoma  
Japan (Gunma University Hospital) - Diffuse large B-cell lymphoma  
Japan, Chiba - Lymphoplasmacytic lymphoma  
Puerto Rico (University of Puerto Rico) - B-cell lymphoma, most probably of Mantle cell origin  
Qatar, Doha - Diffuse large "B" cell lymphoma (4), blastic transformation of Mantle zone lymphoma (2)  
Spain (Povisa) - Splenic marginal zone lymphoma  
The Netherlands, Amstelveen - Mantle cell malignant lymphoma

**Case 7 - Diagnosis:**

**Mantle zone lymphoma, blastoid variant, spleen**  
**T-07000, M-95903**

**Outside Consultation:** Jun Wang, M.D. (LLUMC, hematopathologist): Mantle cell lymphoma, blastoid variant.

**Case 7 - References:**

- Khoury JD, Sen F, Abruzzo LV, et al: Cytogenetic Findings In Blastoid Mantle Cell Lymphoma. *Hum Pathol*, 2003 Oct; 34(10):1022-9.  
 Singleton TP, Anderson MM, Ross CW, Schnitzer B: Leukemic Phase Of Mantle Cell Lymphoma, Blastoid Variant. *Am J Clin Pathol*, 1999 Apr; 111(4):495-500.  
 Gong JZ, Lagoo AS, Peters D, et al: Value of CD23 Determination By Flow Cytometry in Differentiating Mantle Cell Lymphoma From Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma. *Am J Clin Pathol*, 2001 Dec; 116(6):893-7.  
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Escondido - Small lymphocytic lymphoma, B-cell CLL  
Glendale - Low grade lymphoma  
Granada Hills - Marginal zone lymphoma  
Orange (UCI Medical Center Residents) - Marginal zone B-cell lymphoma  
Sacramento (UC Davis Medical Center) - Small lymphocytic lymphoma, B-cell phenotype  
San Francisco (San Francisco General Hospital) - Splenic marginal zone lymphoma  
Arizona (Phoenix Memorial Hospital) - Small lymphocytic lymphoma/CLL  
Colorado, Denver - Follicular lymphoma  
Florida (Winter Haven Hospital) - Follicular lymphoma, small cleaved cell type  
Florida, Ocala - SLL  
Georgia, Decatur - Follicular lymphoma vs. marginal zone lymphoma  
Illinois (Heartland Regional Medical Center) - Malignant lymphoma, B-cell, favor small cell follicular center type  
Kansas (Coffeyville Regional Medical Center) - Splenic marginal zone B-cell lymphoma  
Kansas (Kansas University Medical Center) - Follicular lymphoma (2)  
Louisiana, Metairie - Follicular lymphoma  
Maryland (Johns Hopkins Medical Center) - Splenic marginal zone lymphoma  
Maryland (National Naval Medical Center) - Small B-cell lymphoma  
Michigan (St. Joseph Mercy Hospital) - Marginal zone lymphoma  
New York (Nassau University Medical Center) - Follicular lymphoma  
New York (Stony Brook University Hospital) - Splenic marginal zone lymphoma  
Pennsylvania (Allegheny General Hospital) - Mantle zone lymphoma  
Pennsylvania (Drexel University College of Medicine) - SLL/CLL  
Pennsylvania (Memorial Medical Center) - Follicular B-cell lymphoma  
Texas (Scott & White Hospital) - Splenic marginal zone lymphoma  
Texas, Lubbock - Diffuse follicular center large cell lymphoma  
Texas, San Antonio - Marginal zone lymphoma  
Washington, D.C. - Splenic marginal zone B-cell lymphoma  
Canada (University of Calgary, Foothills Hospital) - Follicular lymphoma, Grade I  
China (Sir Run Run Shaw Hospital) - Splenic marginal zone lymphoma  
Italy, Naples - Follicular center cell lymphoma  
Japan (Hamamatsu University School of Medicine) - Follicular lymphoma  
Japan (Gunma University Hospital) - Splenic lymphoma  
Japan, Chiba - Follicular lymphoma  
Puerto Rico (University of Puerto Rico) - Atypical marginal zone hyperplasia  
Qatar, Doha - Small lymphocytic lymphoma/CLL  
Spain (Povisa) - Follicular lymphoma – prolymphocytic leukemia  
The Netherlands, Amstelveen - Small lymphocytic B-cell lymphoma

**Case 8 - Diagnosis:**

**Splenic marginal zone lymphoma  
T-07000, M-95903**

**Outside Consultation (29064):** Jun Wang, M.D. (LLUMC, hematopathologist) and Milton Drachenberg, M.D., Ph.D. (Long Beach Memorial Medical Center): Splenic marginal zone lymphoma.

**Case 8 - References:**

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Escondido - Small lymphocytic lymphoma, B-cell CLL  
Glendale - Chronic lymphocytic leukemia/lymphoma  
Granada Hills - CLL/small lymphocytic lymphoma  
Orange (UCI Medical Center Residents) - CLL/SLL  
Sacramento (UC Davis Medical Center) - CLL/SLL  
San Francisco (San Francisco General Hospital) - Chronic lymphocytic leukemia  
Arizona (Phoenix Memorial Hospital) - B-cell prolymphocytic leukemia  
Colorado, Denver - Marginal zone lymphoma  
Florida (Winter Haven Hospital) - B-cell chronic lymphocytic leukemia  
Florida, Ocala - CLL  
Georgia, Decatur - Chronic lymphocytic lymphoma  
Illinois (Heartland Regional Medical Center) - Chronic lymphocytic leukemia/small lymphocytic lymphoma  
Kansas (Coffeyville Regional Medical Center) - Small cell lymphoma/CLL of spleen  
Kansas (Kansas University Medical Center) - Small lymphocytic lymphoma (2)  
Louisiana, Metairie - B-cell chronic lymphocytic leukemia  
Maryland (Johns Hopkins Medical Center) - Prolymphocytic leukemia  
Maryland (National Naval Medical Center) - Small lymphocytic lymphoma  
Michigan (St. Joseph Mercy Hospital) - Small lymphocytic lymphoma  
New York (Nassau University Medical Center) - CLL/SLL  
New York (Stony Brook University Hospital) - CLL  
Pennsylvania (Allegheny General Hospital) - Chronic lymphocytic leukemia  
Pennsylvania (Drexel University College of Medicine) - SLL/CLL  
Pennsylvania (Memorial Medical Center) - Small lymphocytic lymphoma cleaved  
Texas (Scott & White Hospital) - CLL involving spleen  
Texas, Lubbock - Small cell lymphocytic lymphoma  
Texas, San Antonio - SLL  
Washington, D.C. - B-cell CLL/SLL  
Canada (University of Calgary, Foothills Hospital) - B-CLL/SLL  
China (Sir Run Run Shaw Hospital) - Chronic lymphocytic leukemia  
Italy, Naples - Small lymphocytic lymphoma  
Japan (Hamamatsu University School of Medicine) - Chronic lymphocytic leukemia  
Japan (Gunma University Hospital) - CLL/SLL  
Japan, Chiba - Small lymphocytic lymphoma  
Puerto Rico (University of Puerto Rico) - Chronic lymphocytic leukemia/small lymphocytic lymphoma  
Qatar, Doha - Splenic small lymphocytic lymphoma/leukemia  
Spain (Povisa) - Transformation of chronic lymphocytic leukemia  
The Netherlands, Amstelveen - Chronic lymphocytic lymphoma (CLL)

**Case 9 - Diagnosis:**

**Small lymphocytic lymphoma (SLL)/Chronic lymphocytic lymphoma (CLL), spleen**  
**T-07000, M-95903**

**Outside Consultation:** Jun Wang, M.D. (LLUMC, hematopathologist): Chronic lymphocytic leukemia.

**Case 9 - References:**

Terstappen LW, de Grooth BG, van Berkel W, et al: Abnormal Distribution of CD8 Subpopulation in B-Chronic Lymphocytic Leukemia Identified By Flow Cytometry. *Leuk Res*, 1988; 12(7):551-7.  
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Escondido - Mantle cell lymphoma  
Glendale - Mantle cell lymphoma  
Granada Hills - Mantle cell lymphoma  
Orange (UCI Medical Center Residents) - Mantle cell lymphoma  
Sacramento (UC Davis Medical Center) - Mantle cell lymphoma  
San Francisco (San Francisco General Hospital) - Mantle cell lymphoma  
Arizona (Phoenix Memorial Hospital) - Mantle cell lymphoma  
Colorado, Denver - Mantle cell lymphoma  
Florida (Winter Haven Hospital) - Mantle cell lymphoma  
Florida, Ocala - Mantle cell lymphoma  
Georgia, Decatur - Mantle cell lymphoma, ? blastoid variant  
Illinois (Heartland Regional Medical Center) - Malignant lymphoid neoplasm, favor polymorphocytic leukemia; necrotizing granuloma also present  
Kansas (Coffeyville Regional Medical Center) - Mantle zone lymphoma, spleen  
Kansas (Kansas University Medical Center) - Mantle cell lymphoma (2)  
Louisiana, Metairie - Mantle cell lymphoma  
Maryland (Johns Hopkins Medical Center) - Mantle cell lymphoma, blastic  
Maryland (National Naval Medical Center) - Mantle cell lymphoma, blastic  
Michigan (St. Joseph Mercy Hospital) - Mantle cell lymphoma  
New York (Nassau University Medical Center) - Mantle cell lymphoma  
New York (Stony Brook University Hospital) - Mantle cell lymphoma  
Pennsylvania (Allegheny General Hospital) - Splenic marginal zone lymphoma  
Pennsylvania (Drexel University College of Medicine) - Mantle cell lymphoma  
Pennsylvania (Memorial Medical Center) - Mantle cell lymphoma  
Texas (Scott & White Hospital) - Mantle cell lymphoma  
Texas, Lubbock - Small cell lymphocytic lymphoma  
Texas, San Antonio - Mantle cell lymphoma  
Washington, D.C. - Mantle cell lymphoma  
Canada (University of Calgary, Foothills Hospital) - Mantle cell lymphoma  
China (Sir Run Run Shaw Hospital) - Mantle cell lymphoma  
Italy, Naples - Mantle cell lymphoma  
Japan (Hamamatsu University School of Medicine) - Mantle cell lymphoma  
Japan (Gunma University Hospital) - Mantle cell lymphoma  
Japan, Chiba - Splenic marginal zone lymphoma  
Puerto Rico (University of Puerto Rico) - Mantle cell lymphoma  
Qatar, Doha - Mantle Zone lymphoma  
Spain (Povisa) - Mantle cell lymphoma  
The Netherlands, Amstelveen - Mantle cell malignant lymphoma

**Case 10 - Diagnosis:**

**Mantle zone lymphoma, spleen  
T-07000, M-95903**

**Outside Consultation:** Jun Wang, M.D. (LLUMC, hematopathologist): Mantle cell lymphoma, confirmed by t(11:14) (q13;q32) translocation.

**Case 10 - References:**

Abraksia S, Kumar PD, Kasal J: Two Unusual Lymphomas: Case 1: Primary Malignant Lymphoma (Diffuse Large B-Cell Lymphoma) of the Spleen Mimicking Splenic Abscess. *J Clin Oncol*, 2000 Nov 1; 18(21):3731-3.  
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