

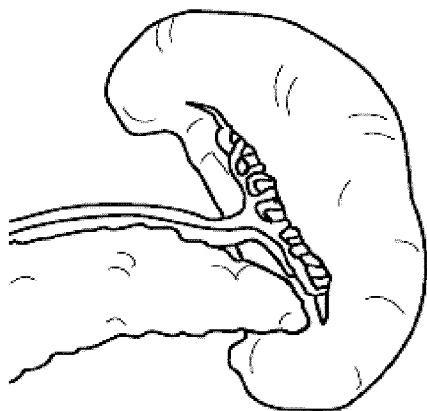


CALIFORNIA
TUMOR TISSUE REGISTRY

“HEMATOPATHOLOGY”

Study Cases, Subscription A

February 2013



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
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Loma Linda, California 92350
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E-mail: cttr@linkline.com
Web page: www.cttr.org
Web site & Case of the Month: www.cttr.org

Target audience:

Practicing pathologists and pathology residents.

Goal:

To acquaint the participant with the histologic features of a variety of benign and malignant neoplasms and tumor-like conditions.

Objectives:

The participant will be able to recognize morphologic features of a variety of benign and malignant neoplasms and tumor-like conditions and relate those processes to pertinent references in the medical literature.

Educational methods and media:

Review of representative glass slides with associated histories.
Feedback on consensus diagnoses from participating pathologists.
Listing of selected references from the medical literature.

Principal faculty:

Donald R. Chase, MD

CME Credit:

Loma Linda University School of Medicine designates this continuing medical education activity for a maximum of 2 hours of Category I of the Physician's Recognition Award of the American Medical Association.
CME credit is offered for the subscription year only.

Accreditation:

Loma Linda University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

Contributor: Peter L. Morris, M.D.
Santa Barbara, CA

Case No. 1 - February 2013 A

Tissue from: Spleen

Accession #31509

Clinical Abstract:

An 83 year-old woman suffered a ruptured spleen.

Gross Pathology:

The 73 gram, 8.5 x 6 x 3.5 cm spleen had a 5 cm area of irregular capsular disruption. The cut surface was homogeneous tan-red.

Special Studies:

Positive: Congo red

Negative: Iron, trichrome

Contributor: Pamela Boswell, D.O.
La Jolla, CA

Case No. 2 - February 2013 A

Tissue from: Retroperitoneum

Accession #31377

Clinical Abstract:

A 58 year-old woman was found to have a retroperitoneal mass.

Gross Pathology:

The 261 gram, 13 x 10 x 6.5 cm resected mass was heterogeneous, tan-pink and white with focal calcification.

Special Studies:

Reticulin stain: marked increase in interfollicular reticulin

Trichrome: hyalinized collagen, negative for Congo red

CD3: interfollicular T cells, with admixture of CD4 & CD8 positivity

CD21, CD23: dendritic network within follicles

CD31, CD34: interfollicular vascular proliferation

Kappa/Lambda: polyclonal

HHV-8: negative

Contributor: Mingyi Chen, M.D.
Sacramento, CA

Case No. 3 - February 2013 A

Tissue from: Subcutis, right buttock

Accession #31467

Clinical Abstract:

A 63 year-old woman complained of a large right buttock mass.

Gross Pathology:

The 127 gram, 8 x 8 x 5 cm portion of yellow adipose tissue had an ill-defined 6 x 3 x 3 cm yellow to orange region on cut surface.

Special Studies:

Reactive T-cells positive: Bcl-2, CD3, CD5, CD43, CD56 (rare)

Reactive B-cell positive: CD20, CD79a

Kappa/Lambda: polyclonal

Reactive histiocytes positive: CD68

AFB, PAS, tissue Gram stain: negative for organisms

ALK-1: negative

Contributor: Louis Sarbeck, M.D.
Tallahassee, FL

Case No. 4 - February 2013 A

Tissue from: Buttock mass

Accession #31497

Clinical Abstract:

This 66 year-old woman had an ulcerated mass on her buttock. CBC showed a WBC count over 100,000.

Gross Pathology:

The ellipse of skin was 4.6 x 2 x 1 cm with a central ulcer.

Special Studies:

Positive: CD20, CD23, Bcl-2, CD43, CD5

Contributor: Mengyi Chen, M.D.
Sacramento, CA

Case No. 5 - February 2013 A

Tissue from: Spleen

Accession #31475

Clinical Abstract:

This 41 year-old woman presented with anemia and atypical lymphocytosis. Peripheral blood flow cytometry showed lambda light chain restricted B-cell population. Abdominal CT revealed an enlarged spleen.

Gross Pathology:

The fragmented spleen weighed in aggregate 987 grams. Cut sections showed numerous small round white pulp nodules up to 2 mm in diameter.

Special Studies:

Immunophenotyping by flow cytometry: Lambda restricted monotypic B-cell population
CD19+, CD20+, FMC7+, CD5-, CD10-, CD23-

Cytogenetics:

46, XX, t(8:14)(q24.1;q32)[5]/46,XX,[15], female karyotype

Contributor: Lester D. R. Thompson, M.D.
Woodland Hills, CA

Case No. 6 - February 2013 A

Tissue from: Thyroid

Accession #31437

Clinical Abstract:

A 56 year-old woman presented with an enlarging thyroid gland. She had noted fatigue and weight loss for the past several months. A previous FNA had identified chronic lymphocytic thyroiditis. Due to recent compression symptoms, a thyroidectomy was performed.

Gross Pathology:

Not available.

Contributor: Louis Sarbeck, M.D.
Tallahassee, FL

Case No. 7 - February 2013 A

Tissue from: Spleen

Accession #31503

Clinical Abstract:

This 66 year-old man presented with an enlarged left inguinal lymph node. He was found to have an enlarged spleen.

Gross Pathology:

The resected spleen weighed 891 grams.

Special Studies:

Flow cytometry on lymph node: double negative CD4/CD8 alpha-beta clonal T-cell population
Clonal by PCR for T-cell receptor gamma variable gene

Contributor: Catherine Odell, M.D.
Riverside, CA

Case No. 8 - February 2013 A

Tissue from: Right axillary lymph node

Accession #31420

Clinical Abstract:

This 55 year-old man presented with right axillary swelling.

Gross Pathology:

The 7 x 6 x 3 cm firm rubbery nodular mass had a light tan fleshy cut surface.

Special Studies:

Positive: CD20, PAX-5, CD10, BCL-1, BCL-2, BCL-6, MUM-1 CD45

Negative: CD30, CD15, CAM5.3

T-cells positive: CD3, CD43

Follicular dendritic cells positive: CD23, CD21

Ki-67: 90%

**Contributor: Mark Carter, M.D.
Chico, CA**

Case No. 9 - February 2013 A

Tissue from: Right axillary lymph node

Accession #31432

Clinical Abstract:

A 51 year-old man presented with worsening right axillary lymphadenopathy.

Gross Pathology:

Not available.

Special Studies:

Positive: CD20, LCA

Negative: CD30, CD15

**Contributor: Mingy Chen, M.D.
Sacramento, CA**

Case No. 10 - February 2013 A

Tissue from: Spleen

Accession #31382

Clinical Abstract:

This 84 year-old woman had an enlarged spleen.

Gross Pathology:

The resected spleen weighed 837 grams.

Special Studies:

Positive: S100, CD1a

Negative: Langerin, cytokeratin, HMB-45, CD3, CD20, PAX-5, CD21, CD23, CD30, CD31
CD34, CD35, CD43, CD56, CD123, CD163, myeloperoxidase, pancytokeratin