

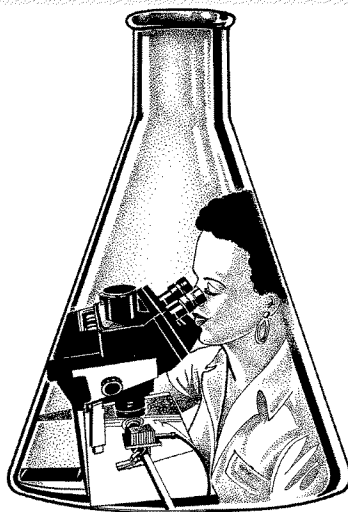


CALIFORNIA
TUMOR TISSUE REGISTRY

“HEMATOLYMPHOID NEOPLASMS”

Study Cases, Subscription A

September 2009



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
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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: Caroline McCall, M.D.
Birmingham, AL**

Case No. 1 - September 2009 A

Tissue from: Duodenum

Accession #30889

Clinical Abstract:

A 63 year old woman was found to have a duodenal mass and underwent resection.

Gross Pathology:

A 7.0 x 6.0 x 5.5 cm well circumscribed lobulated tan mass had a fleshy, focally hemorrhagic cut surface.

Special Studies:

Positive: CD 21, CD35

Negative: Pan-keratin, LCA, S-100, CD117, CD34

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

Case No. 2 - September 2009 A

Tissue from: Testis

Accession #31004

Clinical Abstract:

During examination preparatory for an inguinal hernia repair, this 70 year old man was noted to have a right testicular mass. An orchiectomy was performed after an ultrasound demonstrated a solid mass.

Gross Pathology:

The resected testicle contained a well circumscribed 4.4 x 3.2 x 2.6 cm yellow brown mass with an overlaid bright yellow reticulated pattern.

**Contributor: Herbert Harder, M.D.
Kijabe Hospital, Kenya**

Case No. 3 - September 2009 A

Tissue from: Ovaries

Accession #30697

Clinical Abstract:

An 8 year old girl had bilateral ovarian masses.

Gross Pathology:

The resected ovarian mass weighed 162 grams and was 9.5 x 5 x 4.5 cm. It had a smooth surface and was composed of pale pink tissue with focal hemorrhage .

**Contributor: LLUMC Pathology Group (jw)
Loma Linda, CA**

Case No. 4 - September 2009 A

Tissue from: Lymph nodes

Accession #30958

Clinical Abstract:

A 13 year old boy had cervical lymphadenopathy.

Gross Pathology:

The 42.1 gram, 7.8 x 3.6 x 3.3 cm red-tan nodule had a nodular, white-tan cut surface with focal yellow areas.

Special Studies:

Positive in cells of interest: CD 15, CD20, CD30

Negative in cells of interest: CD3, CD45

Contributor: Robert Riechmann, M.D.
San Dimas, CA

Case No. 5 - September 2009 A

Tissue from: Right axillary lymph node

Accession #30977

Clinical Abstract:

After complaining of back pain radiating to his left lower abdominal quadrant, this 47 year old man had a CT scan which showed multiple enlarged peri-inguinal, iliac and pelvic lymph nodes. Work-up showed thrombocytopenia of 58,000, WBCs 12,100, Hgb 14.1. A bone marrow aspiration was performed along with an axillary node biopsy. Flow cytometry from the bone marrow aspirate was interpreted as acute myelomonocytic leukemia.

Gross Pathology:

The biopsy specimen was 3.8 cm in greatest diameter.

Special Studies:

Negative: CD2, CD3, CD5, CD7, CD8, CD19, CD20, Kappa, Lambda, CD10, CD34
Moderate +: CD4, CD38, CD33
Mod bright: CD45
Subset+ CD56
Dim+ CD64, CD14

Contributor: Alexandra Reichman, M.D.
Marysville, CA

Case No. 6 - September 2009 A

Tissue from: Groin & axillary lymph nodes

Accession #31072

Clinical Abstract:

An 80 year old man had extensive lymphadenopathy.

Gross Pathology:

The groin node was 2 cm and the axillary node 3.2 cm in greatest diameter.

Special Studies (Flow cytometry):

Positive: CD10, CD19, CD20, CD22, CD38, CD45
Negative: CD5, CD11c

Contributor: Mark Reintjes, M.D.
Sikeston, MO

Case No. 7 - September 2009 A

Tissue from: Liver

Accession #30972

Clinical Abstract:

Twenty years after a resection for colon cancer, this 100 year old man presented with an enlarged left groin node.

Gross Pathology:

The 10 x 7 x 5 cm specimen included overlying skin. The underlying mass had a fish-flesh consistency and was gray-white.

Special Studies:

Positive: CD20, BCL-2, BCL-6, CD79a

Negative: AE1/3, CD3, CD5, CD10, CD21, CD43

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

Case No. 8 - September 2009 A

Tissue from: Right colon, ileum & omentum

Accession #31024

Clinical Abstract:

This 69 year old man presented with vomiting, weight loss and nausea. He was found to have an ischemic bowel and underwent resection.

Gross Pathology:

The 120 cm long ileal portion had multiple perforations with associated ulcerations, necrosis and purulent exudate. The 20 cm long portion of colon included a 2 cm diameter cecal mass with overlying intact mucosa. The cut surface showed white thickening of the bowel wall. Mesenteric lymph nodes were up to 2 cm in greatest diameter.

Special Studies:

Positive: CD3, CD43, BCL-2, CD8, CD7, CD2, CD30, TIA

Negative: CD5, CD10, CD20, CD23, PAX-5, BCL-1, BCL-6, CD21

**Contributor: Philip Robinson, M.D.
Boynton Beach, FL**

Case No. 9 - September 2009 A

Tissue from: Left groin

Accession #28840

Clinical Abstract:

This 51 year old man developed painful swelling in his left groin, originally interpreted as cellulitis.

Gross Pathology:

A 14.3 x 6.5 x 3.5 cm aggregate consisted of multiple gray, pale tan and white tissue fragments.

Special Studies:

Positive: CD30, CD43

Negative: CD3

**Contributor: Albert Garib, M.D.
Huntington Beach, CA**

Case No. 10 - September 2009 A

Tissue from: Left groin lymph node

Accession #26930

Clinical Abstract:

This 53 year old man discovered a mass in his left groin, clinically interpreted as an incarcerated inguinal hernia.

Gross Pathology:

The 20 gram specimen was a 6.0 x 3.5 x 2.0 cm discrete oval gray mass with a finely lobulated gray focally hemorrhagic cut surface.

Special Studies:

Positive: LCA, Leu-22, CD30

Negative: Keratin, CD20, CD68, S100