



CALIFORNIA
TUMOR TISSUE REGISTRY

“LYMPHOPROLIFERATIVE DISORDERS”

Study Cases, Subscription A

January 2002



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
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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:

Weldon K. Bullock, MD
Donald R. Chase, MD

CME Credit:

Loma Linda University School of Medicine designates this continuing medical education activity for up to 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: Philip G. Robinson, M.D.
Boynton Beach, FL

Case No. 1 - January 2002

Tissue from: Left cervical lymph node

Accession #29271

Clinical Abstract:

On physical examination this 68-year-old male was found to have a left cervical mass.

Gross Pathology:

The specimen consisted of irregular fragments of tan tissue measuring 4.2 x .18 x 1.6 cm.

SPECIAL STUDIES (Outside facility):

CD30	positive
CD15	positive
CD45	negative
CD20	negative
CD3	negative

Contributor: Howard Otto, M.D.
Cheboygan, MI

Case No. 2 - January 2002

Tissue from: Right groin

Accession #28673

Clinical Abstract:

A non-tender groin mass was noticed by this 40-year-old male, gradually enlarging over two months. He denied night sweats, fever, chills, weight loss or fatigue.

Gross Pathology:

The fusiform gray lymph node measured 5.8 x 3.0 cm.

SPECIAL STUDIES (Outside facility):

CD30	positive
CD20	positive
CD3	positive
CD43	positive
CD57	negative
CD15	negative
EMA	negative
Kappa	negative
Lambda	negative

Contributor: K. Greg Peterson, M.D.
Sioux Falls, SD

Case No. 3 - January 2002

Tissue from: Right thyroid

Accession #29039

Clinical Abstract:

This 71-year-old male noticed a swelling in the right side of his neck. Work-up showed a mass in the right thyroid lobe.

Gross Pathology:

The 8.0 x 5.8 x 3.3 cm right thyroid lobe showed homogeneous replacement of the gland by firm gray-tan parenchyma.

SPECIAL STUDIES (Outside facility):

LCA	positive
CD20	positive
CD29A	positive
CD3	scattered positivity
CD5	scattered positivity
Kappa	negative
Lambda	punctate staining within the plasmacytoid cells

Contributor: Philip C. Gordon, M.D.
Winter Haven, FL

Case No. 4 - January 2002

Tissue from: Retroperitoneal mass

Accession #29004

Clinical Abstract:

A 52-year-old male presented with fever, polyclonal gammopathy, anemia and a retroperitoneal mass.

Gross Pathology:

The 137 gram pale brown, solid, somewhat fleshy-appearing mass measured 7.0 x 6.0 x 4.3 cm.

SPECIAL STUDIES (Outside facility):

CD20	follicles positive
CD43	interfollicular areas and scattered cells in follicles positive
Bcl-2	follicles negative
Kappa & Lambda	polyclonal staining

Contributor: Gordon Honda, M.D.
Fresno, CA

Case No. 5 - January 2002

Tissue from: Cecum

Accession #28487

Clinical Abstract:

A CT scan done during work-up for acute bowel obstruction in this 78-year-old female showed a complex mass in the area of the cecum. A large mass was found adherent to the cecum and a portion of small bowel, with exudates and adhesions suggestive of prior perforation.

Gross Pathology:

Within the cecum was a 10 x 9 x 9 cm fungating mass that had eroded through the cecal wall and into the mesenteric root.

SPECIAL STUDIES:

CD30	positive
CD43	positive
CD3	negative
CD15	negative
CD45ro	negative

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

Case No. 6 - January 2002

Tissue from: Right ovary

Accession #28352

Clinical Abstract:

During a workup for lower abdominal pain, this 39-year-old female was found to have a firm, tender, palpable mass in the right lower quadrant. A total abdominal hysterectomy with bilateral salpingo-oophorectomy was performed.

Gross Pathology:

The 453 gram ovarian mass measured 13.0 x 9.0 x 8.0 cm. The cut surface was tan-white and fleshy with a central 2 cm diameter degenerative cyst.

SPECIAL STUDIES (Outside facility):

CD20	positive
CD3	negative
Keratin cocktail	negative
Placental alkaline phosphatase	negative
S-100	negative
Smooth Muscle Actin	negative

Contributor: LLUMC Pathology Group (rc)
Loma Linda, CA

Case No. 7 - January 2002

Tissue from: Left testicle

Accession #28653

Clinical Abstract:

This 55-year-old male noticed an enlarging left testicular mass.

Gross Pathology:

The 168 gram left testicle measured 8.0 x 6.0 x 4.0 cm and was replaced by a tan, fleshy lobulated tumor.

SPECIAL STUDIES:

CD20	positive
LCA	positive
CD3	negative
CD30	negative

Contributor: Rebecca L. Christensen, M.D.
San Diego, CA

Case No. 8 - January 2002

Tissue from: Left testis

Accession #29205

Clinical Abstract:

Following a two week history of a non-tender enlarged left testicle, an orchiectomy was performed on this 62-year-old male.

Gross Pathology:

The 5.0 x 3.5 x 3.0 cm testis had a homogenous tan, fish-flesh cut surface.

SPECIAL STUDIES (Outside facility):

CD20	positive
CD45	positive
CD3	negative
CD43	negative
CD45RO	negative

Contributor: LLUMC Pathology Group (md)
Loma Linda, CA

Case No. 9 - January 2002

Tissue from: Cecum & right scrotum

Accession #29241

Clinical Abstract:

Two months after colonoscopic removal of a villous adenoma, this 76-year-old male developed a mass in the right scrotum. A CT scan of the abdomen showed a 10 cm diameter cecal mass.

Gross Pathology:

The cecal mass measured 15.0 x 10.5 x 8.5 cm and completely encased the ileocecal junction. There were numerous tumor nodules within the pericolic fat. The 171 gram scrotal mass was 12 x 6 x 5 cm and had a light tan cut surface with scattered degenerative cysts, an appearance similar to that seen in the cecal mass.

SPECIALS STUDIES:

CD20	positive
BCL-2	positive
Kappa	positive
Lambda	negative
CD3	negative
CD43	negative
CD68	negative

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

Case No. 10 - January 2002

Tissue from: Left neck & right axilla

Accession #29148

Clinical Abstract:

A 35-year-old female developed axillary and left neck lymphadenopathy.

Gross Pathology:

The left neck lymph node was 1.8 x 1.5 x 0.9 cm. The two pale tan right axillary lymph nodes were 2.5 x 1.8 x 1.2 cm and 1.5 x 1.0 x 1.0 cm.

SPECIALS STUDIES (Outside Facility):

Flow cytometry showed polyclonal mature B and T cells with no overt phenotypic abnormalities of the lymphoid populations.