

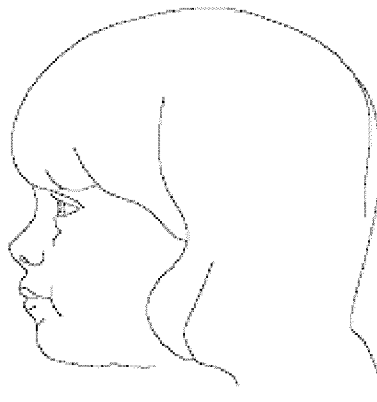


CALIFORNIA
TUMOR TISSUE REGISTRY

“PEDIATRIC PATHOLOGY”

Study Cases, Subscription A

March 2014



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
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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/SAM 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. It also qualifies for up to 2 hours of SAM credit by the American Board of Pathology.
CME/SAM 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.

Case No. 1 - March 2014 A

Accession #31855

Tissue from: Retroperitoneum

Clinical Abstract:

A 13 year-old girl was found to have bilateral subnephric retroperitoneal masses.

Gross Pathology:

The left sided mass was 92 grams and 7 x 4.5 x 4.5 cm with a tan to dark red hemorrhagic cut surface. The right sided mass was 24 grams and 4.5 x 3 x 3 cm with a pink to red cut surface and a necrotic center.

Case No. 2 - March 2014 A

Accession #31051

Tissue from: Retroperitoneum

Clinical Abstract:

During workup for scoliosis, this 11-year-old boy was found to have a large retroperitoneal mass.

Gross Pathology:

The 977 gram oval pink-tan tumor was 14 x 14 x 8 cm.

Special Studies:

Positive: CD34 (strong, diffuse), S100 (patchy), CD99 (granular perinuclear)

Negative: SMA, Desmin, Bcl-2

Case No. 3 - March 2014 A

Accession #31648

Tissue from: Left kidney

Clinical Abstract:

Because of new onset hematuria, this 5-year-old boy underwent a CT scan which showed a left renal mass.

Gross Pathology:

The 400 gram, 13 x 9 x 5 cm kidney was distorted by an 8 x 6.5 x 5.5 cm mass in the superior pole. The tumor was friable and hemorrhagic with focal necrosis.

Case No. 4 - March 2014 A

Accession #31553

Tissue from: Left adrenal gland

Clinical Abstract:

This 4-year-old boy was found to have a left retroperitoneal mass.

Gross Pathology:

The 17 gram adrenal gland contain a 4 x 2 x 2 cm mass.

Case No. 5 - March 2014 A

Accession #31543

Tissue from: Skull

Clinical Abstract:

This 3-year-old boy was originally found to have a tumor involving his left hip and later presented with a mass in his skull.

Gross Pathology:

The 35 gram specimen consisted of gelatinous tan tissue and dark red blood clot forming a 6 x 5 x 2.5 cm aggregate.

Case No. 6 - March 2014 A

Accession #31581

Tissue from: Right tibia

Clinical Abstract:

A 17 year old young woman and developed a right tibial mass.

Gross Pathology:

The 10 gram, 3.5 x 2.5 x 2 cm resected portion of bone had a knobby growth capped by firm white cartilage.

Case No. 7 - March 2014 A

Accession #31593

Tissue from: Sacrum

Clinical Abstract:

This 15-year-old boy had had a prior hemipelvectomy and had undergone chemotherapy. The tumor recurred and a composite pelvic resection was performed.

Gross Pathology:

The 2020 gram resection specimen contained a 7 x 7 cm multinodular granular white tumor.

Case No. 8 - March 2014 A

Accession #31647

Tissue from: Left mandible

Clinical Abstract:

This 16-year-old boy was found to have a mass involving his left mandible.

Gross Pathology:

This 46 gram, 8 x 5 x 3.5 cm resection specimen included mandibular body and ramus. A 4.5 x 3.5 x 3 cm mass bulged from the body of the mandible just anterior to the angle of the jaw. The cut surface showed yellow tan spongy material suggesting a cyst wall.

Case No. 9 - March 2014 A

Accession #12640

Tissue from: Left foot

Clinical Abstract:

This 16 year old girl complained of gradual swelling of the left foot unassociated with injury.

Gross Pathology:

The resection specimen consisted of multiple irregular pink-gray tissue fragments forming a 4 x 4 x 1 cm aggregate.

Case No. 10 - March 2014 A

Accession #31025

Tissue from: Testis

Clinical Abstract:

A 19 year-old young man, who worked as a bull rider, presented with a swollen testicle presumed to be traumatic in origin. Ultrasound showed heterogeneous and cystic changes. Alpha-fetoprotein and beta-HCG were elevated.

Gross Pathology:

The testis with spermatic cord weighed 220 grams. Within the testis was a 10 x 5 x 5 cm mass, largely replacing the testicular parenchyma. Cut surface was glistening, edematous with areas of hemorrhage and necrosis.

Special Studies:

Positive: Beta-HCG, OCT 3-4, CD30

Negative: Alpha-fetoprotein, CD117