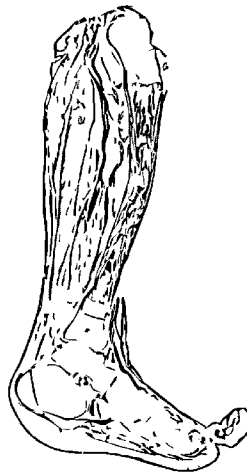


CALIFORNIA
TUMOR TISSUE REGISTRY

“BONE & SOFT TISSUE PATHOLOGY”

Study Cases, Subscription A

May 2016



California Tumor Tissue Registry
c/o: Department of Pathology and Human Anatomy
Loma Linda University School of Medicine
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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
Anwar Raza, MD
Darryl Heustis, 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 - May 2016 A

Accession #31832

Tissue from: Left proximal fibula

Clinical Abstract: 19 year old female had a left fibula resection

Gross Pathology: A 26 gram 6.0 x 3.0 x 3.0 cm segment of bone with a protruding shiny smooth outgrowth arising from the apparent articular surface. The surgical resection surface showed brown trabecular bone. The outgrowth of bone was surmounted by a cartilaginous cap that was up to 0.2 cm in thickness.

Case No. 2 - May 2016 A

Accession #14596

Tissue from: Tibia

Clinical Abstract: 37 year old obese Caucasian male bumped his knee at work. Following this injury the patient continued to experience pain and instability in certain positions of his left knee, particularly on the lateral side. A few months later he was admitted to hospital for knee pain and swelling when they discovered a neoplasm involving the bone and soft tissue. A supracondylar amputation of the left leg was performed.

Gross Pathology: There was a 14.0 x 12.0 x 10.0 cm mass on the anterolateral aspect of the tibia extending out to involve the upper end of the fibula also.

Special Studies:

None provided.

Case No. 3 - May 2016 A

Accession #31980

Tissue from: Left mandible

Clinical Abstract: 62 year old female with a large mandibular mass

Gross Pathology: A 10.0 x 8.0 x 3.0 cm ulcerated, rubbery fungating white-tan whorled focally friable mass involved, expanded and disrupted the mandibular bone.

Special studies:

KI 67	Increased, staining 40% of tumor epithelial cells
P 53	Mildly increased weak staining of peri-epithelial stroma

Case No. 4 - May 2016 A

Accession #14595

Tissue from: Distal femur

Clinical Abstract: 21 year old female was seen initially with pain in the left knee. Intermittent symptoms began 11 years prior with recent recurrence of the pain. X-rays demonstrated a lesion on the medial aspect of the distal femur. An excisional biopsy was performed.

Gross Pathology: Not provided

Case No. 5 - May 2016 A

Accession #14489

Tissue from: Left humerus

Clinical Abstract: 5 year old Caucasian girl developed anemia and left shoulder pain a month later. X-rays detected a lesion in the left humerus. A left shoulder disarticulation was subsequently performed.

Gross Pathology: The upper 2/3 of the humerus was involved by a 10 cm granular gritty tumor with elevation of the periosteum and irregular bone beneath.

Special studies:

Tumor cells are positive for:

CD 99

PAS-D

NSE

Vimentin

Case No. 6 - May 2016 A

Accession #32054

Tissue from: Skin and soft tissue around left knee

Clinical Abstract: 10 year old female with history of dermatomyositis

Gross Pathology: Soft tissue fragments with overlying tan skin showing pink-yellow multifocally calcified firm gritty material.

Case No. 7 - May 2016 A

Accession #26343

Tissue from: Right paraspinal mass

Clinical Abstract: 16 year old boy with L2 level paraspinal mass with loud systolic bruits on auscultation.

Gross Pathology: A 32 gram irregularly shaped spongy mass of pin-tan to red-brown tissue measuring 4.8 x 4.8 x 3.6 cm.

Case No. 8 - May 2016 A

Accession #32040

Tissue from: Nasopharynx

Clinical Abstract: 18 year old male with a nasopharyngeal mass

Gross Pathology: A 15 gram 4.2 x 2.8 x 2.8 cm pink-tan mass was present surrounded by a highly disrupted capsule. Sectioning revealed a homogeneous pink-tan fibrous cut surface.

Case No. 9 - May 2016 A

Accession #31916

Tissue from: Left arm

Clinical Abstract: 45 year old female with left arm mass

Gross Pathology: A 135 gram resection specimen contained an ill-defined firm tan mass with homogeneous tan fibrous tissue. No distinct areas of hemorrhage or necrosis are grossly identified.

Case No. 10 - May 2016 A

Accession #31992

Tissue from: Left knee

Clinical Abstract: 7 year old boy with a left knee mass

Gross Pathology: 23.8 gram of adipose and yellow nodular lobulated tissue with focal hemorrhage was removed.