CALIFORNIA
TUMOR TISSUE REGISTRY

"NEUROPATHOLOGY"

Study Cases, Subscription B

May 2015

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 - May 2015 B **Accession #31773**

Tissue from: Hip

Clinical Abstract:

This 31 year-old man had a history of traumatic amputation of his left leg and later presented with a painful mass in his left hip. MRI showed a heterogeneous 4 cm mass near the greater trochanter.

Gross Pathology:

The 18 gram mass was 5 x 3 x 1.5 cm and consisted of soft white tissue.

Case No. 2 - May 2015 B **Accession #31873**

Tissue from: Left arm

Clinical Abstract:

A 31 year-old man presented with a left arm mass.

Gross Pathology:

The 47 gram rounded lobulated mass was 7 x 4.5 x 3.3 cm. The cut surface was fairly uniform yellow-white tissue.

Case No. 3 - May 2015 B **Accession #31544**

Tissue from: Right forearm

Clinical Abstract:

This 51 year-old man presented with a mass in his right forearm.

Gross Pathology:

The 960 gram resection specimen included a 22 x 9 x 7 cm mass in the deep soft tissues. It was focally cystic and had myxoid areas.

Special Studies:

Positive: S100, Smooth muscle actin (focal)

Negative: Desmin, CAM5.2, Cytokeratin cocktail, CD34, HMB45

Case No. 4 - May 2015 B **Accession #31899**

Tissue from: Skull

Clinical Abstract:

A 69 year-old woman had a mass at her skull base near the olfactory groove.

Gross Pathology:

The 15 gram specimen consisted of multiple tissue fragments forming a 5.5 x 4.5 x 1 cm aggregate.

Case No. 5 - May 2015 B **Accession #31771**

Tissue from: Brain, left temporal lobe

Clinical Abstract:

A 9 year-old boy presented with epilepsy and was found to have a temporal lobe mass.

Gross Pathology:

The tumor was removed in multiple fragments which weighed together 17 grams.

Case No. 6 - May 2015 B **Accession #31866**

Tissue from: Fourth ventricle

Clinical Abstract:

This 17 month-old baby boy had marked hydrocephalus and was found to have a 7 cm diameter tumor of his fourth ventricle.

Gross Pathology:

The fragmented resection specimen totaled 45 grams.

Special Studies:

Positive: EMA (dot-like), GFAP

Negative: CD99, CD56, Chromogranin, Synaptophysin, NSE

Case No. 7 - May 2015 B **Accession #31893**

Tissue from: Cerebellum

Clinical Abstract:

This 17 year-old young woman was found to have a mass involving her cerebellar vermis.

Gross Pathology:

The fragmented resection specimen weighed 21 grams.

Special Studies:

Positive: GFAP, synaptophysin (weak)
Negative for cells of interest: CD34

Case No. 8 - May 2015 B **Accession #31766**

Tissue from: Brain, right temporal lobe

Clinical Abstract:

A 77 year-old man had a peripherally enhancing irregular mass in his right temporal lobe, extending superiorly into the right insula and basal ganglia.

Gross Pathology:

The fragmented resection specimen weighed 12 grams and showed grossly necrotic hemorrhagic tissue.

Case No. 9 - May 2015 B **Accession #31877**

Tissue from: Cerebellum

Clinical Abstract:

This 14 year-old boy was found to have hydrocephalus and a 5.2 cm enhancing mass in the left cerebellar.

Gross Pathology:

The resected mass consisted of numerous tan-red tissue fragments forming a 4.0 x 0.5 cm aggregate.

Special Studies:

Positive: GFAP (patchy), synaptophysin (patchy), reticulin (highlights increased intercellular deposition)

Case No. 10 - May 2015 B **Accession #31513**

Tissue from: Anterior skull base

Clinical Abstract:

A 66 year-old woman was found to have a tumor at her skull base.

Gross Pathology:

The fragmented specimen weighed 14 grams.