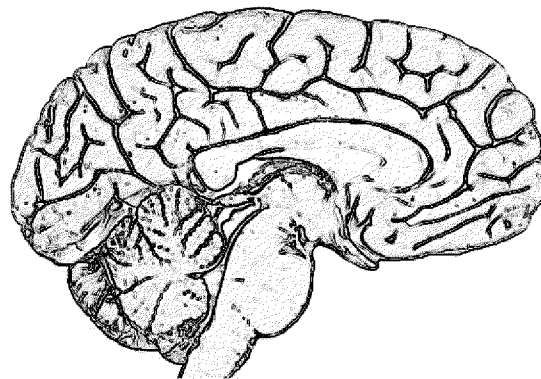


CALIFORNIA  
TUMOR TISSUE REGISTRY

## **“NEURAL PATHOLOGY”**

**Study Cases, Subscription B**

**May 2014**



**California Tumor Tissue Registry**  
**c/o: Department of Pathology and Human Anatomy**  
**Loma Linda University School of Medicine**  
**11021 Campus Avenue, AH 335**  
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**Web page: [www.cttr.org](http://www.cttr.org)**  
**Web site & Case of the Month: [www.cttr.org](http://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 2014 B**

**Accession #31530**

**Tissue from: Brain, posterior fossa**

**Clinical Abstract:**

A 50 year old man was found to have obstructive hydrocephalus.

**Gross Pathology:**

Multiple fragments of red-brown and gray friable tissue formed a 7 x 7 x 3 cm aggregate.

Special Studies:

Negative for fungi: PAS/GMS

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**Case No. 2 - May 2014 B**

**Accession #30965**

**Tissue from: Brain, frontal region**

**Clinical Abstract:**

A 17 month-old boy had new onset of seizures and was found to have a cystic mass within the right temporal and parietal lobes.

**Gross Pathology:**

The 14 gram specimen contained a 1.5 cm circumscribed nodular mass composed of rubbery pink tissue.

Special Studies:

Strongly positive: S100, GFAP

Variable positive: NSE, neural filament, synaptophysin

Negative: EMA

**Case No. 3 - May 2014 B**

**Accession #31282**

**Tissue from: Brain**

**Clinical Abstract:**

A 67 year-old man presented with headaches. A CT scan demonstrated a right-sided brain mass.

**Gross Pathology:**

Not available.

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**Case No. 4 - May 2014 B**

**Accession #31666**

**Tissue from: Brain, right frontal region**

**Clinical Abstract:**

A 78 year-old woman was found to have an enhancing dural-based mass in the right frontal region.

**Gross Pathology:**

The 38 gram specimen was a 5 x 4.5 x 3 cm tan nodule with associated dura.

Special Studies:

Low: Ki67

**Case No. 5 - May 2014 B**

**Accession #31657**

**Tissue from: Brain, frontal lobe**

**Clinical Abstract:**

A 52 year-old woman had a 4.9 cm diameter falx-based homogeneously enhancing extra-axial mass in the frontal lobe region.

**Gross Pathology:**

The 14 gram specimen was a 6.8 x 4 x 1 cm irregular gray-tan tissue fragment showing focal hemorrhage.

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**Case No. 6 - May 2014 B**

**Accession #31563**

**Tissue from: Brain, right frontal lobe**

**Clinical Abstract:**

This 61 year-old woman presented with hallucinations. An MRI showed a 3.2 cm enhancing right frontal lobe mass. Past medical history was positive for sarcoidosis and hypertension.

**Gross Pathology:**

Multiple fragments of gray friable tissue formed a 3 x 2.5 x 1 cm aggregate.

**Case No. 7 - May 2014 B**

**Accession #12988**

**Tissue from: Brain, right parietal lobe**

**Clinical Abstract:**

After one year of headache, this 24 year-old woman noticed increasing numbness and pain in her left leg and thigh. Radiographs showed a space-occupying lesion in her right region.

**Gross Pathology:**

The 43 gram creamy-tan mass was 7 x 5 x 2 cm with a uniform cut surface.

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**Case No. 8 - May 2014 B**

**Accession #26483**

**Tissue from: Brain, right temporal-parietal region**

**Clinical Abstract:**

A 32 year-old man had a history of neurofibromatosis and complained of increasing headaches.

**Gross Pathology:**

Multiple fragments formed a 3.5 x 3 x 3 cm aggregate.

**Case No. 9 - May 2014 B**

**Accession #31682**

**Tissue from: Retroperitoneum**

**Clinical Abstract:**

A 57 year-old man was found to have a retroperitoneal mass.

**Gross Pathology:**

The 292 gram specimen was 11.4 x 8.4 x 4 cm. Cut surface showed multiloculated hemorrhagic cystic parenchyma with interspersed solid yellow areas.

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**Case No. 10 - May 2014 B**

**Accession #31670**

**Tissue from: Right posterior mediastinum**

**Clinical Abstract:**

A 7 year old boy has a right paraspinal mass in his posterior mediastinum.

**Gross Pathology:**

The 53 gram specimen was 7.5 x 5.5 x 2 cm with a pink-tan fleshy cut surface showing rare foci of hemorrhage.