

PARAFASCICULAR SURGICAL APPROACH

Glioblastoma Multiforme (GBM)

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Clinical Presentation

The patient is a 70-year-old female with a three month history of increasing headaches and short-term memory problems. The patient had no focal motor or sensory deficits on exam. She had difficulty with remembering three objects. The patient's scan result showed a left hippocampal lesion near the cingulate gyri and precuneus with extension into the splenium of the corpus callosum.

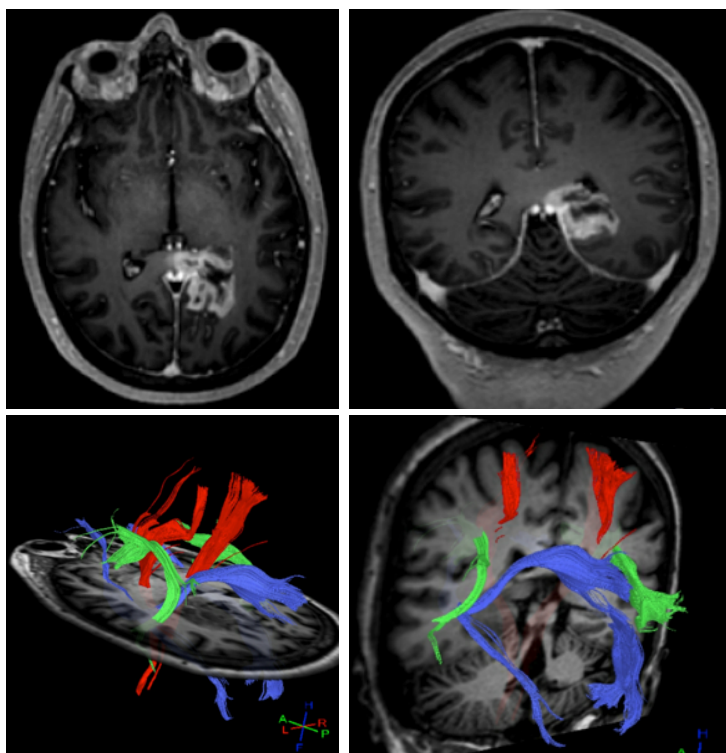
Surgical Management

Sulcal entry was chosen in the cuneus to avoid injury to the inferior front-occipital fasciculus and the medial extension of the arcuate fasciculus.

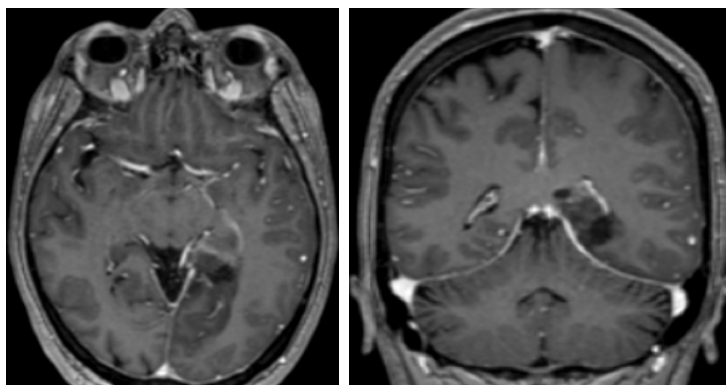
Clinical Course and Outcomes

The patient did well with no new deficits suffered as a consequence of surgery. She was intact immediately after surgery. She had not realized any improvement in short-term memory function at a one month follow-up visit. The patient spent the first night in ICU and was subsequently transferred to a regular room. She was discharged on postoperative day 2.

PRE-OP SCANS



POST-OP DAY 1



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