



SSG CASE REVIEW

Glioneuronal Tumor MIPS Case Right Parieto-Occipital Low-Grade Glioneuronal Tumor

Clinical Presentation

Patient is a 20 year-old male who presented with a headache, decreased level of consciousness, visual field cut, issues with short-term memory and cognitive processing. Imaging showed a 3.9 x 4.5cm irregular mass: hemorrhage into large tumor of parieto-occipital white matter extending to and across the genu and corpus callosum.

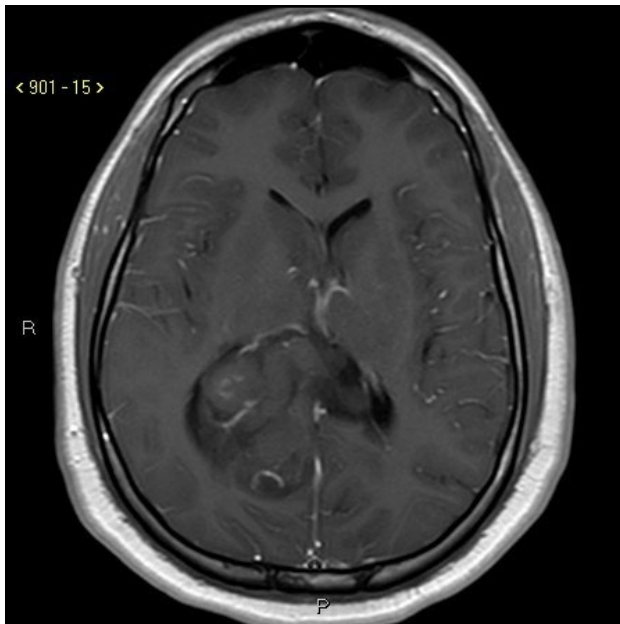
Surgical Management

A minimally invasive parafascicular surgical (MIPS) approach was selected via the inferior parietal sulcus to minimize injury to visual pathways. A 3cm bone flap was removed and a dura cruciate was made. Surgeon mobilized the vessels in order to gain access down the selected sulcus by way of tubular retractor. The target trajectory was set to the inferior portion of the tumor. NTR of tumor was achieved. Pathology confirmed it was a low-grade glioneuronal tumor. Total case time was reported at 2.5hrs.

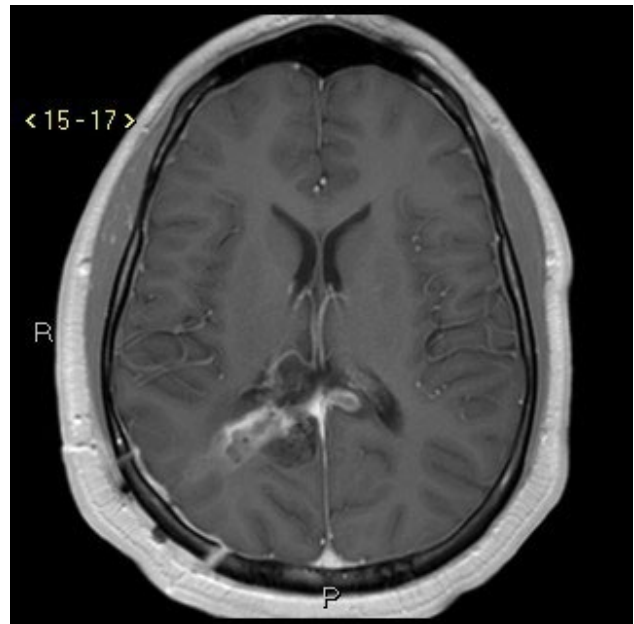
Clinical Course & Outcomes

Patient made significant recovery of cognitive and visual function with no new deficits. He spent one night in the ICU and one day on the floor. Patient plans to return to his university next term.

Pre-op Scan



Post-op Scan



If you have a notable case review to share, please contact us at info@SubcorticalSurgery.com