

Stereotactic brain biopsy case reports

Magnetic resonance imaging of a 67-yr-old woman presenting with [dysphasia](#) revealed a noncontrast enhancing left-sided lesion in the frontal and parietal pars opercularis. Due to the location of the lesion, nTMS was used to chart both primary motor and language cortex, utilizing this information to plan a safe SB trajectory and sampling area according to the initial work-up recommendations from the multidisciplinary neuro-oncology board. The SB was uneventful, with histology revealing a [ganglioglioma](#), WHO I. The patient was discharged the following day, having declined to proceed with tumor resection (awake surgery) due to the non-negligible risk of morbidity. Upon 1- and 3-mo follow-up, she showed no signs of any procedure-related deficits.

nTMS can be implemented to aid with the planning of a [stereotactic biopsy](#) procedure in eloquent areas of the brain, and should be considered part of the neurosurgical armamentarium ¹⁾.

¹⁾

Bartek J Jr, Cooray G, Islam M, Jensdottir M. Stereotactic Brain Biopsy in Eloquent Areas Assisted by Navigated Transcranial Magnetic Stimulation: a Technical Case Report. Oper Neurosurg (Hagerstown). 2018 Oct 26. doi: 10.1093/ons/opy321. [Epub ahead of print] PubMed PMID: 30371829.

From:

<https://neurosurgerywiki.com/wiki/> - Neurosurgery Wiki

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=stereotactic_brain_biopsy_case_reports

Last update: **2024/06/07 02:50**

