

Precentral gyrus resection

Combined judgment from monitoring of intraoperative voluntary movement (IVM) during [awake craniotomy](#) and [transcortical motor evoked potentials](#) (MEPs) is useful for predicting postoperative [motor function](#) during removal of [precentral gyrus gliomas](#). Maximum resection can be achieved with an acceptable [morbidity](#) rate. Thus, these tumors should not be considered unresectable ¹⁾.

Case series

see [Precentral gyrus resection case series](#).

¹⁾

Saito T, Muragaki Y, Tamura M, Maruyama T, Nitta M, Tsuzuki S, Fukuchi S, Ohashi M, Kawamata T. Awake craniotomy with transcortical motor evoked potential monitoring for resection of gliomas in the precentral gyrus: utility for predicting motor function. J Neurosurg. 2019 Mar 15:1-11. doi: 10.3171/2018.11.JNS182609. [Epub ahead of print] PubMed PMID: 30875689.

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