

Subpial resection is a very useful and “anatomical” technique for en bloc resection of diffuse gliomas which is easy to master and execute and optimizes the extent of resection and minimizes complications effectively ¹⁾.

Subpial resection using a suction tube or Cavitron Ultrasonic Surgical Aspirator(CUSA) is often effective in glioma surgery, not only for achieving better resection, but also for the preservation of passing vessels. Using these techniques, excessively small vessels, such as perforating arteries, can be finely exposed and preserved during tumor resection ²⁾.

¹⁾

Mishra A, Shetty P, Singh V, Moiyadi A. Microsurgical subpial resections for diffuse gliomas-old wine in a new bottle. Acta Neurochir (Wien). 2020 Dec;162(12):3031-3035. doi: 10.1007/s00701-020-04524-1. Epub 2020 Aug 9. PMID: 32772163.

²⁾

Saito K. [Glioma Surgery and Surgical Supporting Technology]. No Shinkei Geka. 2021 May;49(3):536-548. Japanese. doi: 10.11477/mf.1436204427. PMID: 34092559.

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