



## Supraorbital transclilar approach for posterior communicating aneurysm. 3D surgical video



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### ABSTRACT

At the beginning of the 20th century, craniotomies for intracranial aneurysms were large due to a deficit in the illumination of the surgical field, lack of optical magnification, and inadequate surgical instruments [1,2]. Even after the microscope was introduced, the size of the craniotomies did not diminish significantly. It was only after 1981 when Sanchez-Vazquez first introduced the supraorbital transclilar approach that the craniotomies become smaller [3]. This approach allows access to the anterior skull base, the selar-para sellar region, and to the territory of the anterior circulation. Later, Perneczky1 was responsible for perfecting this surgical technique for vascular surgery. In a way, this approach offers multiples advantages like a smaller incision, no need for orbital osteotomies, fewer brain exposure, less postoperative periorbital inflammation, and excellent cosmetic results [4,5].

Our work aims to present a 3D surgical video that illustrates the advantages of using a supraorbital transclilar approach for clipping a posterior communicating artery aneurysm.

The patient consented to the use of the photos and surgical video for research purposes.

### 1. Submission statement

The contents of this Video have not been copyrighted or published previously.

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### 3. Financial disclosure

No.

### Declaration of Competing Interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

### Appendix A. Supplementary data

Supplementary data to this article can be found online at <https://doi.org/10.1016/j.inat.2020.100885>.

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