

Endoscopic endonasal transclival approach for clivus chordoma

- A rare case of multifocal chordoma involving the lower clivus and multiple spine levels: illustrative case
- Extreme Lateral Approach to the Craniocervical Junction, Operative Technique and Approach Essentials: 2-Dimensional Operative Video
- Evaluation of Long-Term Follow-Up in Ecchordosis Physaliphora versus Chordoma
- Contemporary surgical management of skull base chordomas-Anatomical reflections on a single center experience retrospective case series
- Symptomatic ecchordosis physaliphora of the upper clivus: an exceedingly rare entity
- The benefits of inferolateral transtubarcular route on intradural surgical exposure using the endoscopic endonasal transclival approach
- Endoscopic endonasal transclival removal of tumors of the clivus and anterior region of the posterior cranial fossa (results of surgical treatment of 140 patients)
- The management of clival chordomas: an Italian multicentric study

Endoscopic endonasal transclival approach for clivus chordoma is a feasible and safe surgical access for many ^{1) 2) 3)}.

For large tumors intraoperative MRI (IMRI) is of significant help. Dural reconstruction of large defects emerged as the greatest challenge of this technique even for experienced endoscopic surgeons ⁴⁾.

^{1) 4)}

Holzmann D, Reisch R, Kraysenbühl N, Hug E, Bernays RL. The transnasal transclival approach for clivus chordoma. Minim Invasive Neurosurg. 2010 Oct;53(5-6):211-7. doi: 10.1055/s-0030-1267929. Epub 2011 Feb 7. PubMed PMID:21302187.

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Saito K, Toda M, Tomita T, Ogawa K, Yoshida K. Surgical results of an endoscopic endonasal approach for clival chordomas. Acta Neurochir (Wien) 2012;154(5):879-886.

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Fraser J F Nyquist G G Moore N Anand V K Schwartz T H Endoscopic endonasal minimal access approach to the clivus: case series and technical nuances Neurosurgery 2010. 673, (Suppl Operative):ons150-ons158.ons158; discussionons158

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