Endoscopic Transnasal Odontoidectomy

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Abstract

Keywords

- ▶ odontoidectomy
- ▶ endoscopic transnasal surgery
- ▶ endoscopic cervical decompression
- ▶ craniovertebral junction

Background Odontoidectomy may represent the treatment of choice for symptomatic ventral craniovertebral junction stenosis in selected cases. An endoscopic transnasal approach has been proposed as an alternative to a classic transoral approach.

Method We report a case of a patient with a craniovertebral junction stenosis due to the ossification of the posterior ligament. The clinical and radiological records of the patient and a step-by-step description of the surgical technique are presented (► **Fig. 1**).

Conclusion Endoscopic transnasal odontoidectomy provides a direct access to the dens and adjacent structures of the anterior upper cervical spine with a less invasive burden on the oropharyngeal structures.

The link to the video can be found at: <https://youtu.be/Ofrk1sFTV9I>.

Conflict of Interest
None declared.

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Fig. 1 Pre- and postoperative sagittal CT.