

Endoscopic Transseptal Approach

Kim et al. sought to examine the utility of an endoscopic [transseptal approach](#) and the creation of a bilateral [nasoseptal flap](#) using a 2-nostrils/4-hands technique in patients with challenging skull-base tumors.

Methods: The medical records of patients operated on via an endoscopic transseptal approach between 2009 and 2017 were retrospectively reviewed. Two patients with ossifying fibroma, 2 with orbital hemangioma, 2 with trigeminal nerve schwannoma, and 1 patient each with juvenile angiofibroma, meningioma, and myxofibrosarcoma were included in the study. The surgical technique and endoscopic anatomy are presented.

Results: The mean age of the 4 male and 5 female patients was 39.9 ± 14.8 years. By using this technique, all 7 tumors were resected with minimal nasal morbidity after a mean follow-up of 15.2 ± 9.4 months.

Conclusions: The endoscopic transseptal approach, by creation of a bilateral nasoseptal flap using a 2-nostrils/4-hands technique, improves surgical visualization and increases instrument maneuverability. Surgical access to challenging skull-base tumors is therefore afforded. The procedure also reduces nasal morbidity by preserving the lacrimal apparatus and anterior maxilla structures and avoiding septal perforation and traumatic nose traction ¹⁾.

¹⁾

Kim DH, Hong YK, Jeun SS, Park JS, Kim SW, Cho JH, Park YJ, Kim SW. Endoscopic Transseptal Approach with Bilateral Nasoseptal Flap in Challenging Skull-Base Tumors. World Neurosurg. 2018 Jul;115:e178-e184. doi: 10.1016/j.wneu.2018.03.224. Epub 2018 Apr 9. PMID: 29649644.

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