

Microendoscopic Spine Surgery

Although the [indications](#) for [endoscopic procedures](#) have increased in recent times, there are also some limitations.

A [review](#) of Yadav et al., discusses the practical points to prevent and treat [complications](#) in microendoscopic spine surgery.

A [literature search](#) was conducted for the relevant [articles](#) after a topic search on [PubMed](#), [Google Scholar](#), and [Medline](#). The [review](#) is based on the [experience](#) of 1,574 [spinal endoscopic procedures](#) performed by the senior author.

[Advantages](#) of [endoscopic surgery](#) include better visualization, panoramic vision, and the ability to work around corners. Limitations with endoscopic procedures include proximal blind areas, obstruction in instrument handling due to a narrow corridor, disorientation, frequent lens fogging, loss of depth perception, and difficulty in achieving hemostasis, leading to complications and longer operative time during the learning curve.

Surgeons need to learn endoscopic skills in addition to microsurgical ones to perform microendoscopic procedures properly. Attending live workshops, watching operative videos, visiting various departments, watching an experienced and accomplished endoscopic surgeon, proper case selection, a multidisciplinary team approach, practicing on models, hands-on cadaveric workshops, laboratory training, and simulators can improve results and shorten the learning curve ¹⁾

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Yadav YR, Lucano A, Ratre S, Parihar VS. Practical Aspects and Avoidance of Complications in Microendoscopic Spine Surgeries: A Review. J Neurol Surg A Cent Eur Neurosurg. 2019 Apr 9. doi: 10.1055/s-0039-1677825. [Epub ahead of print] PubMed PMID: 30965374.

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