

Endoscopic approaches

Endoscopic procedures may be performed purely endoscopic, for example for the treatment of occlusive hydrocephalus and cystic lesions or in combination with the operating microscope for example for the treatment of large tumors of the skull base or vascular lesions. The latter technique is named endoscope-assisted microsurgery (EAM). If endoscopes are used as the only optical tool but manipulations performed along the scope, it is referred to as endoscope-controlled microsurgery (ECM). This technique is recently more and more applied for transnasal skull base surgery.

Endoscopic surgery and [endoscope-assisted microsurgery](#) are part of the management paradigm for many [neurosurgical diseases](#).

Improvements in endoscopic techniques in [neurosurgery](#) have led to their being utilized not only for [endonasal approaches](#) to the [skull base](#) but also as an adjuvant in open [cranial](#) surgery. ^{1) 2) 3) 4) 5) 6) 7) 8) 9) 10)}

see [Endoscopic skull base surgery](#)

see [Endoscopic surgery for intracerebral hemorrhage](#).

see [Intraventricular neuroendoscopy](#).

Endoscopic endonasal approach for pituitary neuroendocrine tumor

[Endoscopic endonasal approach](#) for [pituitary neuroendocrine tumor](#)

[Percutaneous Endoscopic Lumbar Discectomy](#)

Endoscopic superior eyelid transorbital approach

[Endoscopic superior eyelid transorbital approach](#)

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