

Endoscopic third ventriculostomy for idiopathic normal pressure hydrocephalus

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Initially reported for [normal pressure hydrocephalus](#) in 1999 ¹⁾.

Mechanistically, it is difficult to explain why [ETV](#) would work for [NPH](#), but it has been advocated by some ²⁾ in highly selected patients, using nonvalidated outcome measures, quoting post-op improvement in 69% of patients. At this time, ETV should not be considered a first-line treatment for most cases of NPH.

ETV and VPS did not differ significantly regarding their failure rate for iNPH, while ETV showed a significantly lower complication rate than VPS. However, the data available is scarce with only one RCT investigating this important matter. Further well-designed trials are necessary to investigate the clinical outcome of ETV in iNPH ³⁾

The only [randomized trial](#) of [endoscopic third ventriculostomy](#) (ETV) for [idiopathic normal pressure hydrocephalus](#) (iNPH) compares it to an intervention which is not a standard practice (VP shunting using a non-[programmable valve](#)). The evidence from this study is inconclusive and of very low quality. Clinicians should be aware of the limitations of the evidence. There is a need for more robust research on this topic to be able to determine the effectiveness of ETV in patients with iNPH ⁴⁾.

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