

Corpectomy

A spinal [corpectomy](#) is a treatment option for several disorders of the spinal cord like post-traumatic [syringomyelia](#), [spinal cord tumor](#) and [myelomeningocele](#).

Konar et al performed a systematic analysis of all reported cases of spinal corpectomy to investigate the possible outcomes and complications. A PubMed search was performed for literature published from 1949 to 2015 with search words "spinal corpectomy", "spinal cord transection" and "corpectomy for malignant spinal cord tumors" to select articles containing information about the indication, outcome and complication of spinal corpectomy performed for diverse etiologies. Spinal corpectomy was performed for post-traumatic syrinx (76 cases), SPAM (2 cases), Central pain of spinal cord origin (22 cases), [Spasticity](#) (8 cases), Spinal tumors (16 cases) and Myelomeningocele (30 cases). Among the 76 cases, 60 cases fulfilled the inclusion criteria for our outcome analysis in terms of improvement, stabilization or deterioration after spinal corpectomy. The results showed 78.3% excellent improvement, 13.4% stable and 8.3% (5 cases) deterioration. The reported causes of failure of spinal corpectomy for post-traumatic syrinx were scarring of a proximal stump and severe arachnoid adhesion. Sixteen cases of spinal corpectomy related with spinal cord tumors have been reported. Also reported were seven cases of GBM, two cases of AA and one each case of anaplastic tancytic ependymoma, schwannoma, neurofibroma, atypical meningioma and malignant ganglioglioma. Corpectomy shouldbe strongly considered in patients having malignant spinal cord tumors with complete motor loss and sensory loss below the level of the lesion as a means of preventing the spread of disease from the original tumor focus. Spinal corpectomy is a treatment option with a good outcome for post-traumatic spinal morbidity, spinal cord tumors and myelomeningocele. However, since it is an invasive and irreversible procedure, it is only considered when other options have been exhausted ¹⁾.

¹⁾

Konar SK, Maiti TK, Bir SC, Nanda A. Spinal corpectomy: A new hope for morbid spinal conditions. Clin Neurol Neurosurg. 2017 Jan;152:5-11. doi: 10.1016/j.clineuro.2016.11.003. Epub 2016 Nov 10. Review. PubMed PMID: 27846400.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

<https://neurosurgerywiki.com/wiki/doku.php?id=corpectomy>

Last update: **2024/06/07 02:56**

