

Intramedullary ectopic choroid plexus

Intramedullary ectopic choroid plexus is rarely reported,

Although ectopic choroid plexus is extremely rare, it should be taken into account in the differential diagnosis of pathogenesis in syringomyelia or intramedullary cyst, aggressive surgical exploration should be considered when necessary ¹⁾.

Case reports

2018

Duan et al. reported a rare case of symptomatic syringomyelia resulted of intramedullary ectopic choroid plexus in a 30-year-old female who presented with a 2-month history of progressive pain of upper back and bilateral ankle joint and progressive loss of upper-extremity function. MRI examination showed an intramedullary cystic lesion at T2-T4 without enhancement. Operative exploration was indicated. A reddish vascular villus-like lesion was found being located in the left dorsal part of the cyst, which was enblock removed and was confirmed as an ectopic choroid plexus tissue by pathological examination. The patient recovered uneventful and the symptom resolved during follow-up ²⁾.

2005

A 30-year-old man presented with complaints of progressive descending weakness of both upper limbs and increasing stiffness of the lower limbs along with numbness of all four limbs without a history of any bowel or bladder disturbances. Examination was suggestive of a C5-T2 intramedullary lesion. Magnetic resonance imaging revealed a C6-T2 intramedullary cystic lesion along with a small anterosuperiorly placed lesion enhancing with contrast.

A C6-T2 laminotomy and exploration of the intramedullary cyst and gross total microsurgical excision of the reddish vascular frond-like structure resembling the choroid plexus were performed along with a syringostomy. A laminoplasty with miniplates and screws was performed. Histopathological and immunohistochemical studies revealed a normal choroid plexus. The patient has been followed for 1 year and has demonstrated symptomatic improvement.

Although there have been rare case reports of drop metastasis of choroid plexus papillomas in the spine, this is the first case report in the available literature of normal but ectopic choroid plexus tissue in the spinal cord ³⁾.

¹⁾ , ²⁾

Duan H, Zhang J, Xu F, Zhang Z, Zhao X. Syringomyelia with intramedullary ectopic choroid plexus: Case report. Clin Neurol Neurosurg. 2018 Mar 27;169:34-36. doi: 10.1016/j.clineuro.2018.03.016. [Epub ahead of print] PubMed PMID: 29609116.

³⁾

Dwarakanath S, Suri A, Mahapatra AK, Mehta VS, Sharma MC. Intramedullary ectopic choroid plexus: report of a rare case. Neurosurgery. 2005 Apr;56(4):E869; discussion E869. PubMed PMID: 15792528.

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