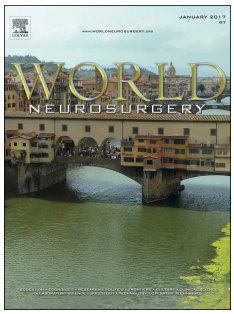
Accepted Manuscript



Intradural - extramedullary cervical cord lipoma: Case report and literature review

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PII: S1878-8750(17)31952-6

DOI: 10.1016/j.wneu.2017.11.029

Reference: WNEU 6860

To appear in: *World Neurosurgery*

Received Date: 6 September 2017

Revised Date: 2 November 2017

Accepted Date: 4 November 2017

Please cite this article as: Panagopoulos D, Markogiannakis G, Koutzoglou, M, Intradural - extramedullary cervical cord lipoma: Case report and literature review, *World Neurosurgery* (2017), doi: 10.1016/j.wneu.2017.11.029.

Intradural - extramedullary cervical cord lipoma: Case report and literature review

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Keywords: embryological lipoma classification, failed primary neurulation, intradural-extramedullary cervical lipoma.

Abbreviations: MEP, motor-evoked potential; MRI, magnetic resonance imaging; PNETs, primitive neuroectodermal tumors; POD, post-operative day; SSEP, somatosensory-evoked potential; STIR, short tau inversion recovery.

ABSTRACT

Background: Spinal lipomas are generally thought to occur as a result of failed primary neurulation. Failed primary neurulation allows invasion of mesenchymal tissue of mesodermic origin into the neural structure, leading to the formation of a spinal lipoma. Despite most spinal lipomas being regarded as the result of failed primary neurulation, some confusion in terms of the embryogenesis of spinal lipomas remains. Recently, a novel classification of spinal lipomas based on embryonic changes seen during primary and secondary neurulation was has been proposed.