



# An unusual and spectacular case of spindle cell lipoma of the posterior neck invading the spinal cervical canal and posterior cranial fossa

Submitted by Emmanuel Lemoine on Fri, 07/18/2014 - 13:53

Titre	An unusual and spectacular case of spindle cell lipoma of the posterior neck invading the spinal cervical canal and posterior cranial fossa
Type de publication	Article de revue
Auteur	Petit, D. [1], Menei, Philippe [2], Fournier, H.-D. [3]
Editeur	American Association of Neurological Surgeons
Type	Article scientifique dans une revue à comité de lecture
Année	2011
Langue	Anglais
Date	05/08/2011
Numéro	5
Pagination	502-506
Volume	15
Titre de la revue	Journal of Neurosurgery - Spine
ISSN	1547-5646

**Résumé en anglais**

The authors describe the first case of spindle cell lipoma of the posterior neck invading the upper cervical spinal canal and the posterior cranial fossa. Spindle cell lipoma is an extremely rare variant of benign lipoma. It usually occurs as a solitary subcutaneous well-circumscribed lesion in the posterior neck or shoulders of adult men. Local aggressiveness is unusual. This 61-year-old man presented with an increased left cerebellar syndrome and headaches. He also had a posterior neck tumefaction, which had been known about for a long time. Computed tomography and MR imaging studies revealed a voluminous mass extending to the upper cervical canal and posterior cranial fossa and eroding the neighboring bones. The lesion was well delimited, and contrast enhancement was intense and heterogeneous. The tumor, which had initially developed under the muscles of the posterior neck, was totally resected. Histological assessment revealed numerous fat cells with spindle cells secreting collagen. The large size of the tumor and the submuscular location, bone erosion, and compression of the CNS were unusual in this rare subtype of benign adipose tumor. Its presentation could simulate a sarcoma.

URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua3676">http://okina.univ-angers.fr/publications/ua3676</a> [4]
DOI	10.3171/2011.7.SPINE10820 [5]

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## Liens

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[5] <http://dx.doi.org/10.3171/2011.7.SPINE10820>

Publié sur *Okina* (<http://okina.univ-angers.fr>)