

57th ANNUAL DIAGNOSTIC SLIDE SESSION 2016

CASE 2016-10

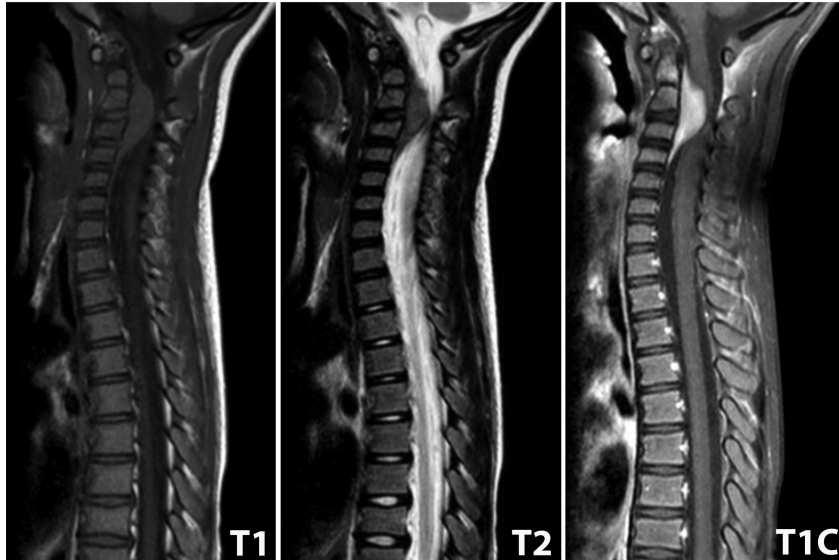
Submitted by:

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Clinical History:

The patient is a 5-year-old girl with Down syndrome, obstructive sleep apnea, and an AV canal defect present at birth (now repaired). She had complaints of headaches and progressively worsening neck pain over 2 or 3 months. She then began to have severe arm pains that lead to imaging, which demonstrated an avidly enhancing, extradural soft tissue mass centered within the left anterolateral aspect of the C2-C3 spinal canal, extending through and remodeling the left C2-C3 neural foramen.



Primary consideration included a nerve sheath tumor, such as a schwannoma or neurofibroma, or meningioma, though it would be highly unusual in a patient of this age.

A cervical osteoplastic laminectomy and microsurgical radical subtotal resection of tumor was performed. Somatosensory and motor evoked potentials were diminished on the left side at the outside of the case, but they gradually improved, as the case proceeded. The tumor was densely adherent to dura, and not at all adherent to the spinal cord. The left cervical nerve roots 2, 3, and 4 could easily be separated from the tumor and were left largely intact.

Preliminary frozen section diagnosis was consistent with a fibrous meningioma.

Material submitted:

One virtual H&E slide

Points for discussion:

1) Diagnosis