Rare, Intradural, Double Draining Veins in a Spinal Dural Arteriovenous Fistula

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Neurology® 2021;96:958-959. doi:10.1212/WNL.0000000000011955

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Figure 1 Preoperative Spinal Images

(A, B) MRI shows spinal edema and intramedullary enhancement. (C, D) Angiography reveals a spinal dural arteriovenous fistula (arrowhead) with double draining veins (arrows).

A 59-year-old man presented with a 9-month history of progressive weakness and numbness in his lower extremities (grade 4/5). Spinal MRI demonstrated extensive edema in the spinal cord and prominent intramedullary enhancement. Selective angiography revealed a right L1 spinal dural arteriovenous fistula (SDAVF) with intradural double draining veins (figure 1). The fistula was treated with surgery successfully. The patient’s symptoms gradually improved after surgery. Postoperative MRI showed significant resolution of the edema and enhancement (figure 2). SDAVF with intradural double draining veins is extremely rare.1,2 This case clearly showed a rare draining pattern of intradural double draining veins in SDAVF.

Acknowledgment
The authors thank the patient for granting permission to publish this information.

Study Funding
The authors report no targeted funding.

Disclosure
The authors report no disclosures. Go to Neurology.org/N for full disclosures.

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References

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Xiaodong Niu, Tongyu Wang, Cong Wu, et al.
Neurology 2021;96:958-959 Published Online before print April 15, 2021
DOI 10.1212/WNL.0000000000011955

This information is current as of April 15, 2021

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