Teaching NeurolImages: Spontaneous regression of AVM feeding pedicle pseudoaneurysms

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Neurology® 2018;90:e1935-e1936. doi:10.1212/WNL.0000000000005565

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Figure Spontaneous resolution of distal feeder pseudoaneurysms

(A) Noncontrast CT shows frontal hemorrhage (arrow). (B) Angiography: left rolandic arteriovenous malformation. (C) Right-sided internal carotid injection: 2 feeding pedicle pseudoaneurysms (arrows). (D) Repeat angiography 2 months later revealed spontaneous obliteration of 1 of the 2 pseudoaneurysms but increase of the other (arrow). (E) One month later, angiography shows spontaneous resolution of the pseudoaneurysm (circle).

A 34-year-old woman had sudden left-sided weakness shortly after delivery. Head CT showed a small hemorrhage (figure, A) secondary to an arteriovenous malformation (figure, B) with 2 small pseudoaneurysms (figure, C). Angiography 2 months later documented obliteration of one of the 2 pseudoaneurysms but growth of the other (figure, D). Embolization of the pedicle bearing the pseudoaneurysm was planned but delayed by 1 month because of patient hesitation to undergo the procedure. Repeat angiogram showed spontaneous resolution (figure, E). Feeding pedicle pseudoaneurysms are dynamic lesions probably secondary to dissection. As remodeling occurs, interval growth, spontaneous regression, or both can be observed.¹

Author contributions

Enrico Giordan: manuscript preparation, drafting manuscript, collection of data and figures, approval of final version. Rinaldo Lorenzo: manuscript preparation, drafting

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manuscript, collection of data and figures, approval of final version. Giuseppe Lanzino: manuscript preparation, drafting manuscript, collection of data and figures, approval of final version.

Study funding

No targeted funding reported.

Disclosure

The authors report no disclosures relevant to the manuscript. Go to Neurology.org/N for full disclosures.

Reference

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This information is current as of May 21, 2018

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