Reviewer’s report

Title: Unusual MRI findings of dural arteriovenous fistula: Isolated perfusion lesions mimicking TIA

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Reviewer: Alfonso Lagares

Reviewer’s report:

This paper presents two cases of dural arteriovenous fistulas (davfs) presenting as neurological ischemic deficits. This form of presentation is not totally uncommon for davfs, as they can present with focal neurological deficits without visible hemorrhage in CT or MR. Therefore the object of this paper is not completely unusual or rare. The most important aspect of the paper is the use of perfusion MR for the diagnosis of davfs. However it is clear that this technique is not used for diagnosis of the davfs, as they were eventually discovered by the presence of an hemorrhage in one case, and by the presence of flow voids in MR in the second case. It is not clear whether these perfusion abnormalities were present in control studies after treatment of the davfs, as some authors describe the reversibility of perfusion abnormalities after dafvs treatment.

Major revisions:

- The authors should improve their description of perfusion abnormalities in MR as well as describe whether these abnormalities were reversed by treatment or not.
- The authors should improve their paper as the main finding in their paper is the abnormality in perfusion discovered by MR and not the clinical presentation of their cases as this is not really unusual. Maybe they could determine if perfusion abnormalities correlate or not with the angio-architecture of the davf or not.

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests