

NEUROIMAGE**Year : 2022 | Volume : 70 | Issue : 5 | Page : 2330-****The "Dot Sign" a New Diagnostic Finding in Giant-Cell Arteritis****Juan I Castiglione¹, Maximiliano A Hawkes², Sebastian F Ameriso¹,**¹ Department of Neurology, FLENI, Buenos Aires, Argentina² Department of Neurology; Department of Internal Medicine, FLENI, Buenos Aires, Argentina**Correspondence Address:**

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A-84-year-old woman with a history of hypertension and dyslipidemia, woke-up with painless left eye blindness. She denied jaw claudication, polymyalgia, and headache. Her left temporal artery was thickened [Figure 1]a. Fundoscopy revealed left optic disc edema. Brain MRI revealed "spotty" DWI-positive lesions involving the left optic nerve and temporal artery [Figure 1]b. A "halo sign" was evident in the ultrasound examination [Figure 1]c. A biopsy of the left temporal artery confirmed the diagnosis of giant-cell arteritis [Figure 1d]. MRI-DWI-restrictive lesions in the temporal arteries and optic nerves may indicate local inflammation.[1],[2] This novel finding may constitute a useful, non-invasive diagnostic tool in this condition. {Figure 1}

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Conflicts of interest

There are no conflicts of interest.

References

- 1 Ironi G, Tombetti E, Napolitano A, Campolongo M, Fallanca F, Incerti E, *et al*. Diffusion-weighted magnetic resonance imaging detects vessel wall inflammation in patients with giant cell arteritis. *JACC Cardiovasc Imaging* 2018;11:1879-82.
- 2 Kobayashi Y, Sato S, Takamatsu R, Ishii W. Long Vertebral Arteritis and Cerebellar Infarction caused by

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