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Clinical-Medical Image

Retinal Astrocytic Hamartoma in Tuberous Sclerosis Complex

Jonathan K. Y. Ng*, and Habiba Saedon

Manchester Royal Eye Hospital, Manchester University NHS Foundation Trust, Manchester, United Kingdom

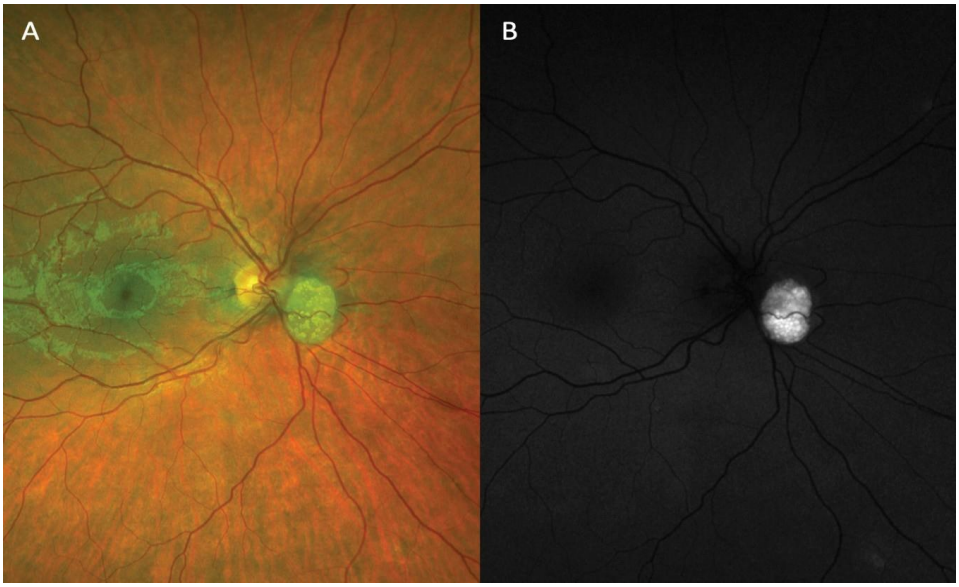

Figure 1: **Panel A** is a colored fundus photograph of the patient's right eye focusing at the optic disk, showing the retinal astrocytic hamartoma with a mulberry appearance, nasal to the disk and **Panel B** is an autofluorescence image of the same patient's right eye, showing the retinal astrocytic hamartoma displaying hyperautofluorescence. This makes the mulberry appearance more apparent to the viewer.

Clinical Image

A 27-year-old gentleman was referred to Ophthalmology services by his new optometrist following a routine eye test with an unusual looking lesion adjacent to his right optic disk. He was known to have Tuberous Sclerosis Complex (TSC) since childhood. His visual acuities were excellent at 20/20 on Snellen chart in both eyes. Fundus examination of his left eye was normal whilst his right eye showed a solitary, well-circumscribed, multi-nodular, opaque lesion just nasal to the right optic disk (Panel A) (Figure 1). On auto fluorescence imaging (Panel B) (Figure 1), a 'mulberry' appearance became more apparent, in keeping with a retinal astrocytic hamartoma (RAH) which is most commonly associated with TSC but can also be seen in other conditions such as neurofibromatosis type 1 [1]. It is important to identify a typical RAH and recognise that it is normally an asymptomatic lesion and unlikely to progress. We are reviewing the patient in 6 months' time as we do not have any old fundus photographs for comparison and will plan for discharge if the lesion remains unchanged.

Keywords: Ophthalmology; Fluorescence imaging.

Declaration of Interests

Both authors have no conflicts of interest to disclose.

References

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***Corresponding author:** Jonathan KY Ng, Manchester Royal Eye Hospital, Oxford Road, Manchester, M13 9WL, United Kingdom, Tel: +01612761234; E-mail: jonathan.ng@doctors.org.uk*

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