Ophthalmic Images

Progressive Retinal Medullated Nerve Fiber Layer in a Young Boy

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A Fundus photography, 24 mo

B Fundus photography, 6 mo

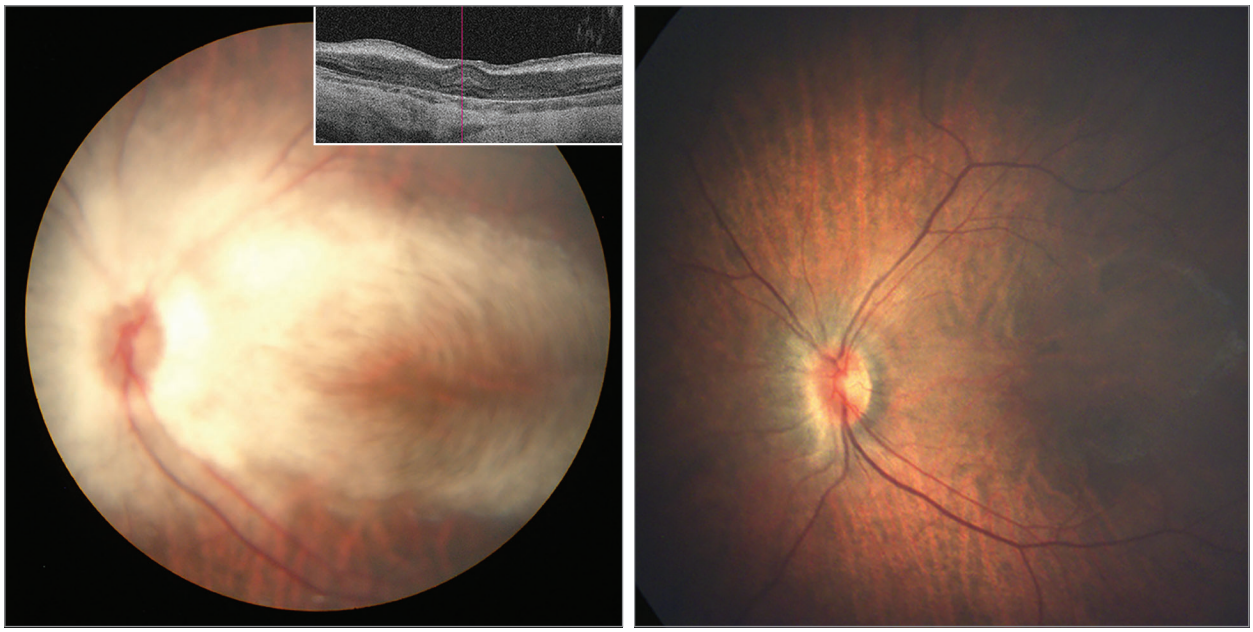

Figure. A, Widely distributed medullated nerve fibers and a thick retinal nerve fiber layer in the left eye at 24 months old. B, A small area of perioptic medullated nerve fibers in the left eye at 6 months old.

Although acquired and progressive nerve fiber myelination has been described previously, it is rare in the literature.[1,2] A 24-month-old full-term boy with a history of high myopia was brought to the ophthalmology clinic. Cycloplegic spherical power was −10.00 diopters and −9.50 diopters in the right and left eye, respectively. Ophthalmoscopic examination showed widely distributed medullated nerve fibers in the posterior pole of the fundus (**Figure**, A). Optical coherence tomography confirmed a thick retinal nerve fiber layer in the posterior pole of the fundus (Figure, A, inset). The boy once underwent RetCam (Natus Medical) fundus examination at 6 months of age. At that time, there was only a small area of perioptic medullated nerve fibers (Figure, B). The images at the 2 time points indicate progression of myelinated nerve fibers from age 6 months to 24 months. There was no history of surgery, congenital ocular or systemic abnormalities, and no family history of medullated nerve fibers in the eye.

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ARTICLE INFORMATION

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Conflict of Interest Disclosures: None reported.

Funding/Support: This case report was supported by grant 2022SKMR-12 from the Management Research Project of Shanghai Shenkang Hospital Development Center; grant 82000908 from the Program of the National Natural Science Foundation of China; and the Shanghai Key Clinical Specialty.

Role of the Funder/Sponsor: The funders had no role in the design and conduct of the study; collection, management, analysis, and interpretation of the data; preparation, review, or approval of the manuscript; and decision to submit the manuscript for publication.

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