

Ophthalmological assessment of children with neurofibromatosis type 1

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Dear Editor,

We read with great interest the article entitled “Ophthalmological assessment of children with neurofibromatosis type 1” by Cassiman et al. [1]. In their article, the authors reviewed the ophthalmological assessment of children with neurofibromatosis type 1. The authors offered a complete clinical ophthalmological exam that included visual acuity, color vision, visual field, ocular motility, slit-lamp examination, and fundoscopy. They suggested optical coherence tomography (OCT) for the assessment of optic nerve fiber layer thickness in neurofibromatosis type 1 (NF1) patients with optic pathway gliomas (OPG).

OCT is a noninvasive diagnostic tool for the measurement of thickness of both retinal layers and optic nerve fiber layers. OCT also uses near-infrared reflectance (NIR) for imaging deeper structures such as the choroid. With the help of NIR, choroidal nodules in NF1 can be visualized as multiple bright, patchy areas [2]. NIR

choroid findings of patients with NF1 were presented in a comprehensive article recently [2]. In this study, Viola et al. found that the prevalence of choroidal nodules detected by NIR in the overall population with NF1 was 82 % and in the NF1 pediatric group was 71 %.

We think that NIR imaging of the choroid should be done in pediatric patients with NF1.

References

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