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Clinical Image

Ocular Albinism: Smartphone Fundus Photography

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A 12 years old boy presented with diminution of vision, photophobia, and nystagmus in both eyes for the last 10 years. There was no history of ocular trauma or any systemic illness. Birth history was not relevant. There were no similar complaints in family. His best corrected visual acuity was 20/200 in both eyes. Slit lamp examination revealed iris hypopigmentation with transillumination defect. Fundus examination showed retinal depigmentation, conspicuously large Choroidal vessels, foveal hypoplasia, misrouting of the optic nerve fibers suggestive ocular albinism (Figure 1). Oculocutaneous Albinism (OCA) is a group of four autosomal recessive disorders [1]. In Ocular albinism; involvement is predominantly ocular, with normal skin and hair. Inheritance is usually X linked recessive. Reduction of melanin in the eyes results in reduced visual acuity caused by foveal hypoplasia and misrouting of the optic nerve fibers [2].

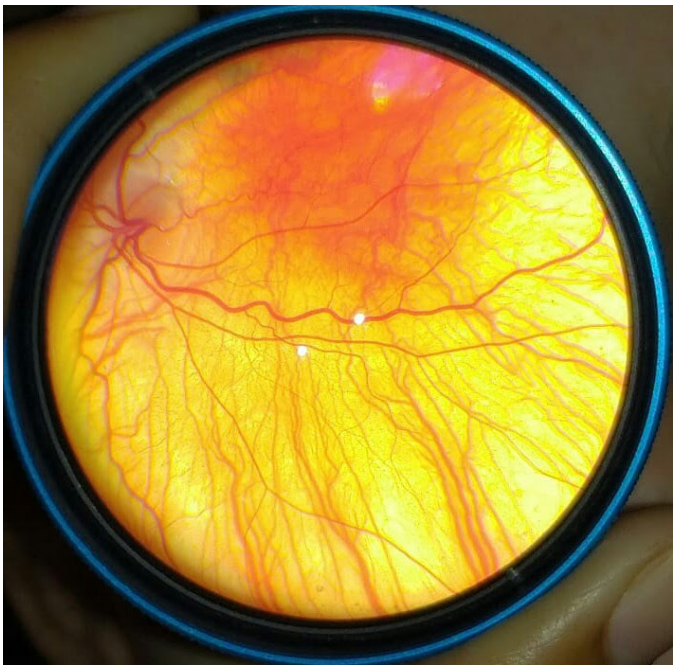

Figure 1: Smartphone fundus photograph of albinism showing retinal depigmentation, conspicuously large Choroidal vessels, foveal hypoplasia, misrouting of the optic nerve fibers.

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