

Swiss cheese retina

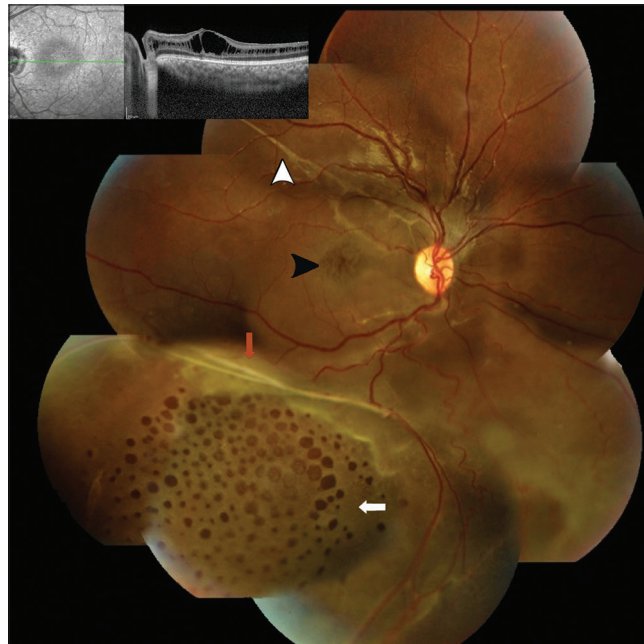


Figure 1: Color fundus montage OD showing foveoschisis (black arrowhead), subretinal gliosis (white arrowhead) veil-like inner layer (red arrow), and multiple outer retinal holes (white arrow) with retinal detachment. Inset - OCT line scan through the macula OS showing foveoschisis

A 12-year-old boy presented with defective vision OU (OD 20/200, OS 20/40). Fundus examination OD revealed foveoschisis with multiple outer retinal holes with retinal detachment (RD) with subretinal gliotic bands [Fig. 1]. OS had foveoschisis with vitreous veils. Optical coherence tomography confirmed foveoschisis. Full-field electroretinogram showed reduced b-wave with preserved a wave. Diagnosis of juvenile X-linked retinoschisis (JXLR) with RD was made.

JXLR is caused due to the mutations in the *RS1* gene on Xp22.1 coding for retinoschisin.^[1] The split occurs in the nerve fiber layer. Genetic trials with *RS1* knockout mice have shown better b-wave function.^[2]

Declaration of patient consent

The authors certify that they have obtained all appropriate patient consent forms. In the form the patient(s) has/have given his/her/their consent for his/her/their images and other clinical information to be reported in the journal. The patients understand that their names and initials will not be published and due efforts will be made to conceal their identity, but anonymity cannot be guaranteed.

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Nil.

Conflicts of interest

There are no conflicts of interest.

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