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MANAGEMENT OF A 2-YEAR-OLD CHILD WITH MACULAR FOLD AND EXTENSIVE RETINOSCHISIS WITH PARS PLANA VITRECTOMY AND INNER FLAP RETINECTOMY

Oral

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Purpose:

To report an unusual case and surgical management of a 2-year-old child with bilateral retinoschisis, retinal neovascularization and macular retinal fold

Methods:

Case report with surgical video

Results:

A 2-year-old boy was brought with complains of left eye crossing and poor fixation. The child was born of a non-consanguineous marriage at full-term. Examination under anesthesia revealed bilateral retinal vascular telangiectasia, superficial hemorrhages, retinal neovascularization (right eye), and a macular fold with retinoschisis involving the inferior retina (left eye). Fluorescein angiography revealed telangiectatic vessels and neovascularization. Familial exudative vitreoretinopathy was ruled out with genetic testing. Due to the macular fold in left eye, pars plana vitrectomy with inner flap retinectomy and laser photocoagulation was performed. The child was able to fixate with the left eye after 3 months.

Conclusions:

In patients with a extensive retinoschisis involving the macula, procedures such as pars plana vitrectomy and inner flap retinectomy may be beneficial.