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TOTAL RETINAL DETACHMENT WITH PERSISTENT FETAL VASCULATURE THE MANAGEMENT OF A CHALLENGING OPHTHALMOLOGY CASE

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A 27-year-old woman came with blurred vision of her right eye (RE) after kicked by her child since approximately one week prior to the visit. Since then her eyesight has progressively become worse. Initial assessment showed that her visual acuity (VA) was light perception in the RE and 6/60 (2/20) in the left eye (LE). Further examination also revealed total RD with retrolental membrane forming a stalk in the patient's RE as well as a chorioretinal scar in the macular region of her LE. The clinical diagnoses were total RD with persistent fetal vasculature of the RE and macular scar of the LE, apparently due to previous history of ocular toxoplasmosis. This is indeed a very complicated case with a high rate of retinal re-detachment after surgery, usually in need of a second surgery to attach the retina, and a guarded prognosis of not able to improve VA even after the retina is attached. Considering the poor VA of her LE and patient's strong will to undergo surgery even after knowing the prognosis, a vitreoretinal surgery was performed. Vitrectomy was done with both circular and radial relaxing retinectomy to release tension on the retina. This technique was performed to minimize the rate of retinal re-detachment due to traction. Primary anatomical success of attached retina was achieved after the surgical procedure. Visual acuity slightly improved to half meter finger counting. The patient is still on long term follow up in the outpatient clinic.

Conclusion: Surgical method demonstrated in this case presentation can be used as an alternative for complex cases of retinal detachment to achieve satisfactory anatomical success.

BIOGRAPHY

Waldensius Girsang earned a doctorate from the faculty of Medicine, University of North Sumatra and graduated as an eye specialist from the faculty of Medicine, University of Indonesia. Currently, he is an active member of several organizations, such as the Indonesian Ophthalmologist Association [IOA] - PERDAMI, Indonesian Medical Association [IMA] - IDI, and the European Society of Retina Specialist [EURETINA]. He joined the fellowship program at the Jakarta Eye Center and the vitreoretinal training at Zhongshan Ophthalmologic Center, Sun Yat Sen University, Guangzhou, China. This fellowship and peer training program enriches his expertise and knowledge in the field of general, cataract, and vitreoretinal ophthalmology. Now he works as a trusted eye specialist because of his outstanding achievement. He is a member of the Cataract, LASIK and Vitreoretina specialist teams.

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