

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
PIBIC Last Name - Mitre First Name - Jorge Middle -

Service (sector) Retina and Vitreous N° CEP

Surgical treatment of proliferative diabetic retinopathy using bimanual dissection of membranes and posterior buckler

The author presents eight cases of proliferative diabetes retinopathy with macular detachment submitted to overmacular membranes dissection through a bimanual technique without extensive vitrectomy, and segmentary scleral introflexion under macula. The objective of this treatment is to avoid excessive surgical manipulation over the macula during membrane resection, through the bimanual technique. For that, we suture the fiber optical in a sclerotomy similar to the way it is done for the infusion line. We also avoided excessive removal of vitreous to reduce release of vascular proliferative factors to anterior segment of the globe. After this procedure, we performed a segmentary scleral introflexion under the macula to help with approximation of RPE and neurosensorial retina. This procedure was performed due lasting traction and the long time of macular detachment. The follow up varied from one to eight months. Anatomic attachment of the macula occurred in all cases. One patient presented with a hyphema and vitreous hemorrhage immediately after the surgery and spontaneous regression after 2 months. The final visual acuity was not measured because this is an ongoing experiment.