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SURGICAL TREATMENT OF EYE CONTUSION COMBINED WITH CYCLODIALYSIS: A CASE REPORT

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Introduction:

Eye injuries are still one of the main causes of vision loss and disability today. Injuries of the organ of vision are more likely to affect people of working age, which actualizes the significance of this pathology.

Materials and methods:

A 32-year-old man experienced a retinal detachment in his left eye, complicated by traumatic cyclodialysis, choroid detachment, vitreous hemorrhage, aphakia, and corneal scar. His corrected distance visual acuity was 0.005 and intraocular pressure less 10.0 mmHg. We performed posterior trepanation of the sclera, anterior chamber reconstruction, corneal suture repositioning, three-port 25G-vitreotomy with removal of hemophthalmus, endolaser coagulation of the retina followed by tamponade of the vitreal cavity with silicone oil.

2 months later we performed trepanation of the sclera with drainage of the supraciliary fluid and the introduction of a blunt cannula into the supraciliary space of platelet-rich plasma - autologous conditioned plasma (ACP).

Results:

Anterior segment optical coherence tomography and ultrasonic biomicroscopy revealed reattachment of the ciliary body to the sclera spur. In the end his corrected distance visual acuity was 0.4 and intraocular pressure 20 mmHg.

Conclusions:

The use of autologous conditioned plasma in the surgical treatment of cyclodialysis is an effective and safe method of treatment and allows achieve

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