

## BRASCRS 2022

XIX Congresso Internacional de Catarata e Cirurgia Refrativa

XIII Congresso Internacional de Administração em Oftalmologia III Curso de Auxiliares em Oftalmologia

## 25 A 28 DE MAIO | SALVADOR - BAHIA

## E-PÔSTER

Título: SEROUS RETINAL DETACHMENT RESOLUTION FOLLOWING TRABECULECTOMY IN A PATIENT WITH STURGE-WEBER SYNDROME

Nome dos autores: Gabriel Castilho Sandoval Barbosa Bianca Nicolela Susanna

Nome da instituição: Instituto Suel Abujamra Faculdade de Medicina do ABC

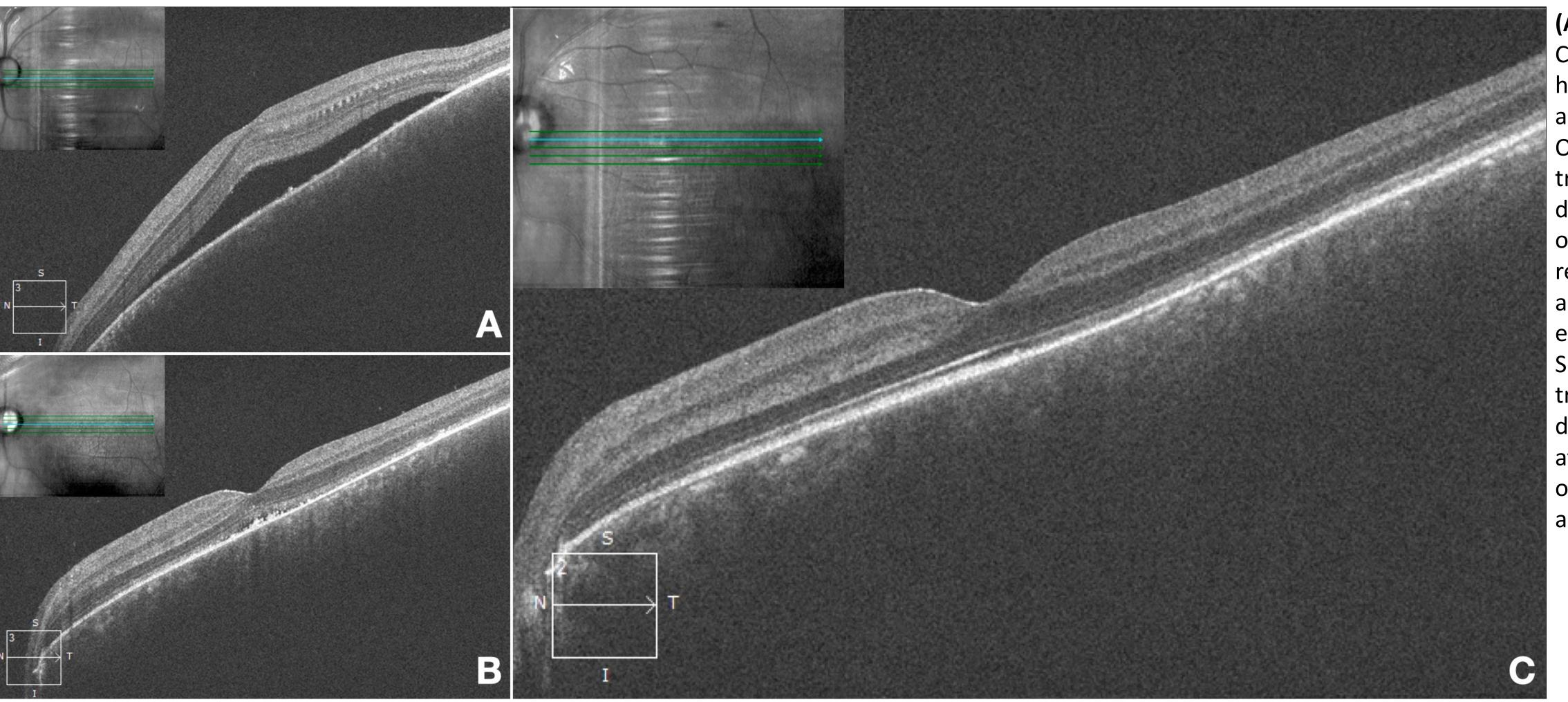
Palavras-chave: Sturge-Weber Syndrome, Serous Retinal Detachment, Trabeculectomy.

**PURPOSE:** To report a case of Sturge-Weber Syndrome (SWS) complicated with uncontrolled glaucoma and serous retinal detachment (SRD) in the left eye that evolved with complete resolution after trabeculectomy.

**METHODS:** We report a case of a 10-year-old boy with SWS complicated with uncontrolled glaucoma and SRD in the left eye. In primary evaluation, he presented with a left-sided nevus flammeus affecting upper eyelid and best corrected visual acuity of 20/50 on the affected eye. Fundus examination revealed glaucomatous optic nerve neuropathy and diffuse choroidal hemangioma with overlying SRD, which were confirmed with spectral domain optical coherence tomography. Right eye was unremarkable.

**RESULTS:** The patient underwent trabeculectomy with mitomycin-C on the affected eye. Two weeks later, he presented with normalization of the intraocular pressure (IOP) and expressive resorption of subretinal fluid, which improved to complete resolution of the SRD at 2 months of follow-up. In addition, there was an improvement of visual acuity from 20/50 to 20/40.

**CONCLUSION:** This is the first report describing resolution of a SRD following trabeculectomy in a patient with SWS. Since the surgery achieved IOP control, and concomitant complete resolution of the SRF, trabeculectomy could be an interesting alternative for managing SRD in patients with clinically uncontrolled glaucoma secondary to SWS. Further prospective studies should attempt to better investigate this relationship.



(A) Spectral-Domain Optical Coherence Tomography (SD-OCT), horizontally oriented, demonstrates a serous retinal detachment. (B) SD-OCT two weeks after the trabeculectomy procedure demonstrates expressive resorption of the SRD with a small amount of remaining fluid associated with focal alterations of the retinal pigment epithelial – photoreceptor layer. (C) SD-OCT two months after the trabeculectomy procedure demonstrates a retina completely attached to the RPE, disappearance of hyperreflective foci alterations, and restoration of the ellipsoid zone.

ABCCR - Associação Brasileira de Catarata e Cirurgia Refrativa BRASCRS — Brazilian Association of Cataract and Refractive Surgery