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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

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**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.

