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PIBIC Last Name - Sakai First Name - Vivian Middle -

Service (sector) Retina and Vitreous N° CEP

**STRATUS OPTICAL COHERENCE TOMOGRAPHY™ FINDINGS IN
CONGENITAL EXCAVATED ANOMALIES OF THE OPTIC DISC AND
SECONDARY RETINOSCHISIS**

Vivian N.Sakai, Fabio B. Aggio, Rodrigo L. Meirelles, Rogério A. Costa,
Michel E. Farah

Purpose: To describe two patients with congenital excavated anomalies of the optic disc and secondary retinoschisis using Stratus™ imaging system.

Methods: A 50-year-old man presented with loss of vision in his left eye for two weeks due to serous macular detachment associated with a superotemporal giant extra-disc pit. A 66-year old woman had a colobomatous excavation of the optic disc and secondary retinoschisis in the right eye. Stratus optical coherence tomography™ was performed in both patients. **Results:** In both patients, Stratus optical coherence tomography™ disclosed signs of a communication between perineural space and retinal stroma associated to schisis-like changes surrounding the disc and extending to the macular region. Associated features were epiretinal membrane, serous retinal detachment, partial posterior hyaloid detachment, outer lamellar hole and cystic degeneration. **Conclusion:** Peculiar findings (giant extra-disc pit, intraexcavation connection between subretinal and subscleral spaces, clear depiction of tissue bridging separated layers and lamellar hole), as well as usual ones were detected. Based on a computerized search using MEDLINE, this is the first report of congenital excavated anomalies of the optic disc and secondary retinoschisis studied by Stratus optical coherence tomography™.