

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo PIBIC

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Service (sector)

Retina

Nº CEP

12242540

CORRELATION BETWEEN ANATOMICAL AND PSYCHOPHYSICS FINDINGS IN MACULOPATHIES: DIABETIC MACULAR EDEMA

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Introduction: The high resolution of the anatomical findings of the diabetic macular edema (DME) is getting better with the OCT and HRA and it have been used as parameter to evaluate different treatment strategies. On the other side, the functional evaluation is performed simply with the ETDRS charts of visual acuity most of the times. With the advance of the psychophysics tests, there is a chance for better functional evaluation on these diseases and in the future would allow us to better characterize the outcome of treatments.

Objective: Evaluation of the topographic association between anatomical findings of DME seen by OCT and HRA and psychophysics tests of magno and coniocell cells subpopulations performed by SAP, SWAP, FDT Matrix and Hyperacuity preferential perimetry.

Methodology: Prospective, transversal, no controlled study in patients of the Retina section - Federal University of Sao Paulo with the previous diagnosis of DME confirmed by OCT and HRA. The patients will be submitted to a psychophysical evaluation with SAP 10-2, SWAP 10-2, FDT Matrix 10-2 and Hyperacuity Preferential Perimeter. The anatomic-functional topographical correlation will be performed.