(X) R1 ( ) R2 ( ) R3 ( ) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( )
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Service (sector) Glaucoma Nº CEP

Glaucoma visual filed defect, a comparison between Static Threshold Perimeter and Flicker Perimeter

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Purpose: to compare the extension of visual field defect detected in Static Threshold and Flicker Perimeter in Open Angle Glaucoma subjects. Methods: 17 eyes of 17 subjects with open angle glaucoma, from the glaucoma section (UNIFESP - EPM) were evaluated. Inclusion criteria: Subjects with open angle glaucoma, with at least one Humphrey 30-2 SITA reliable visual field test presenting a glaucomatous defect. Medmont M700 Static Threshold Perimeter and Flicker Perimeter were performed in all patients, the sequence of exam was randomized. Patients with low reliability test were excluded. Defect was defined as a rate of significant points to the total points tested. Statistic analysis was performed with Wilcoxon sign rank test. Results: We evaluate 17 eyes from 17 subjects, 2 of them were excluded due to low test reliability. All of them were patients with diagnosis of Open Angle Glaucoma, using atleast one medication. None of them had been submitted to surgery before. The mean age was 56,7 years old (35 – 76 years), nine females and six males. The randomized allocation resulted on 10 subjects performing Static Perimeter as the first test and 5 performing Flicker test as the first one. The percentage and total of points defects on the field were investigated. The mean points defects measured in Static Perimeter were 2,9% (2,6 points), and in Flicker Perimeter was 21,9 % (16,87 points). Comparing the percentage of points lost in the same patient, a considerable deference was noted. Statistical analysis showed a significant difference between the tests performed (p= 0.000655). Conclusion: Flicker test is able to detect a larger proportion of defect then Static Perimetry