

COMPARISON OF STANDARD AUTOMATED PERIMETRY AND SHORT WAVELENGTH AUTOMATED PERIMETRY RESULTS - REPORT OF 6 CASES

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Purpose: Short wavelength automated perimetry (SWAP) was designed to detect visual field defects earlier than standard automated perimetry (SAP). However, accumulating clinical evidence indicates that in some cases, SAP appears to be a more sensitive method. The aim of the study was to compare results of these two perimetry methods- SAP and SWAP in case series of glaucoma patients. Methods: The studied group contained 6 patients (6 eyes). Mean age of patients was 64. The main diagnosis was primary open angle glaucoma (POAG) in 3 cases and normal tension glaucoma (NTG) in 3. Cup to disc ratio was 0.7 in 2 cases, 0.8 in 1 case and 0.9 in 3. The cataract has not been diagnosed in any patient. During the same visit the perimetry was performed using these two strategies. Results: Mean defect (MD) in SAP was 8,09 dB, comparing to 4,25 dB using SWAP. In all cases MD and pattern deviation were bigger in SAP. Conclusion In the study group SAP was more sensitive method in detection of glaucomatous changes compared to SWAP although in many patients SWAP appears to be more sensitive. Financial disclosure: None.