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Service (sector) Glaucoma N° CEP

### **Sensitivity and specificity of frequency doubling perimetry.**

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Purpose: to analyze the efficacy of FDT in detecting glaucoma. Material and methods: 20 glaucoma patients (primary open angle glaucoma) with visual field defects and 21 normal subjects underwent double frequency perimetry. Sensitivity, specificity likelihood ratio and pre and post test probabilities were calculated. MD e PSD from White on White fields were compared. Results: FDT showed a sensitivity of 90% and a specificity of 76%, with a pre test probability of 48.9 and post test probability of 76%. Mean MD and PSD were  $6.43 \pm 5.56$  and  $6.4 \pm 2.3$  in glaucoma patients and  $0.029 \pm 1.5$  and  $3.8 \pm 0.65$  in control patients. Both comparisons between normal and glaucoma patients were statistically significant ( $p < 0.0001$ ). Conclusion: FDT has a high specificity for glaucoma, so the equipment is more useful for glaucoma screening.