

R1  R2  R3  PG0  PG1  Estagiário  Tecnólogo   
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Service (sector) Glaucoma N° CEP

### **Blue and Yellow Perimetry in Normal and Glaucomatous Subjects**

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Purpose: to compare sensitivity and specificity of blue and yellow perimetry (SWAP) between normal and glaucomatous (open angle glaucoma) subjects.

Material and Methods: 21 normal patients and 20 patients with glaucoma and typical visual field defects were analyzed. Sensitivity, specificity, likelihood ratio and pre and post test probabilities were calculated. MD e PSD from White and White fields were compared.

Results: Normal mean MD was  $-1,87 \pm 4,0$  dB and  $-9,48 \pm 7,98$  dB in glaucomatous patients ( $p=0,0007$ ). Mean normal PSD was  $4,05 \pm 1,49$  dB and  $5,62 \pm 2,32$  dB in glaucomatous patients ( $p=0,0078$ ). Sensitivity of SWAP was 60%, specificity was 90,4%, the likelihood ratio was 6, pre test probability was 33,3% and the post test probability was 75%.

Conclusion: SWAP perimetry showed good specificity and low sensitivity.