2. SCIENTIFIC SECTION PREFERENCE (REQUIRED):

Review the Scientific Section Descriptions. Select and enter the two-letter Code for the one (1) Section best suited to review your abstract.

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FORMAT:
Abstract should contain:
Title
Author, Co-authors (maximum 6), Purpose, Methods, Results, Conclusion.

Poster guidelines:
ARVO Abstract Book (1.10 x 1.70m)

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107.   FIRST (PRESENTING) AUTHOR (REQUIRED):
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( ) R1   ( ) R2   (X) R3   ( ) PIBIC
( ) PG0   ( ) PG1   ( ) Fellow   ( ) Technician

Last Name: KONNO
First Name: BRUNO
Middle:

Service (Sector): GLAUCOMA

CEP Number: 1438/05

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5. ABSTRACT (REQUIRED):

Title: **Diagnostic capability of Spectral Domain Optical Coherence Tomography in   glaucoma.**

Bruno Konno, Mauro T. Leite, Andrea K. J.Senra, Eglailson D. A. Junior., Daniela V. C.Barbosa, Ivan M. Tavares.

Purpose: To evaluate the diagnostic capability of retinal nerve fiber layer (RNFL) thickness obtained by Spectral Domain Optical Coherence Tomography (SD-OCT) in glaucoma.

Methods: Twenty-one eyes with glaucoma and 25 healthy eyes were included in this study. All participants underwent complete ophthalmological evaluation, including visual field testing, and RNFL measurement using SD-OCT.

Results: All peripapillary regions had thinner RNFL thickness in glaucomatous eyes. Superior and Global RNFL measurements had the greatest area (95% CI) under ROC curve , 0.93(0.86-1.00) and 0.93(0.85-1.00), respectively.

Conclusion: RNFL thickness assessed by SD-OCT was useful to differentiate healthy individuals from glaucomatous patients.

Keywords: glaucoma, Spectral Domain Optical Coherence tomography, retinal nerve fiber layer thickness.

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