## 2007 Research Days Abstract Form - Department of Ophthalmology - UNIFESP/EPM

SCIENTIFIC SECTION PREFERENCE (REQUIRED): Review the Scientific section Descriptions. Select and enter the two -lette Code for the one (1) Section best sullied to review your abstract

3. PRESENTAT ION PREFERENCE (REQUIRED) Check one (1) (a) Paper (b) Poster

The signature of the First (Presenting) Author, (REQUIRED) acting as the authorized agent for all authors, hereby

Signature of First

Scientific Section Descriptions

Scientific Section Descriptions
(OR) ORBIT
(PL) OCULAR PLASTIC SURGERY
(RE) RETINA AND VITRECUS
(TU) TUMORS AND PATHOLOGY
(ST) STRABISHING
(US) UVERIS
(US) UV

Deadline: 29/10/2007

FORMAT:
Abstract should contain:
Title, Name of Authors, Name of other authors (maximum 6),
Purpose, Methods, Results,
Conclusions.
Example: ARVO (1.10 x 1.70)
Abstract Book

 FIRST (PRESENTING) AUTHOR (REQUIRED)
 Must be author listed first in body of abstract ( ) R1 ( ) PG0 (X)R2 ()R3 ()PG1 ()Estagiário ( ) Tecnólogo ( ) PIBIC Last Name First Name Middle GARCIA FILHO CARLOS ALEXANDRE DE AMORIM Service (sector) GLAUCOMA Nº CEP 1688/07 (Comitê de Ética em Pesquisa da Universidade Federal de São Paulo-UNIFESP)

5. ABSTRACT (REQUIRED)

Intraocular Pressure, Corneal Thickness, and Corneal Hysteresis in Steinert's Myotonic Intraocular Pressure, Corneal Thickness, and Corneal Hysteresis in Steinert's Myotonic Dystrophy Carlos A.A. Garcia Filho, Tiago S. Prata, Aline K.S. Sousa, Larissa M. Doi, Luiz A.S. Melo Jr.

Purpose
Low intraocular pressure (IOP) is one of the ocular ma nifestations of Steirnert's myotonic dystrophy. The goal of this study was to evaluate the Goldmann and corneal —-compensated IOP, corneal central thickness (CCT), and corneal hysteresis in patients with myotonic

dystrophy. Methods

Methods
A total of 12 eyes of 6 pa tients with Steirnert's myotonic dystrophy were included in the study group. A total of 12 eyes of 6 age-, race-, and gender-matched healthy volunteers were included in the control group. IOP was measured using Goldmann applanation tonometer (GAT), Dynamic Contour Tonometer (DCT) and Ocular Response Analyzer (ORA) in random order. Central corneal thickness was obtained by ultrasound pachymetry. The corneal hysteresis was obtained by the Ocular Response Analyzer (ORA). Three measurements of each device were taken and the mean measurements were used for the analysis. In light of the multiplicity of tests performed, the significance level was set at 0.01 rather than 0.05.

Results

respectively, 11.2 (1.2) Imming the control of Conclusions

The patients with Steinert's myotonic dystrophy showed lower Goldmann and corneal compensated IOP in comparison with healthy individuals. The CCT and corneal hysteresis in this dystrophy we ree within the normal range. These facts imply that the low IOP readings found in the myotonic dystrophy are not related to changes in corneal biomechanical