

**2007 Research Days Abstract Form – Department of Ophthalmology – UNIFESP/EPM**

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  
(GL)

3. PRESENTATION PREFERENCE (REQUIRED) Check one (1)  
(a) Paper  
(b) **Poster**

4. The signature of the First (Presenting) Author. (REQUIRED) acting as the authorized agent for all authors, hereby certifies.  
That any research reported was conducted in compliance with the Declaration of Helsinki and the UNIFESP Ethical Committee"

\_\_\_\_\_  
Signature of First

Scientific Section Descriptions  
(OR) ORBIT  
(PL) OCULAR PLASTIC SURGERY  
(RE) RETINA / VITREOUS  
(RX) REFRACTION-CONTACT LENSES  
(NO) NEURO-OPHTHALMOLOGY  
(TU) TUMORS AND PATHOLOGY  
(ST) STRABISMUS  
(UV) UVETIS  
(LS) LACRIMAL SYSTEM  
(LV) LOW VISION  
(CO) CORNEA / EXTERNAL DISEASE  
(GL) **GLAUCOMA**  
(RS) REFRACTIVE SURGERY  
(CA) CATARACT  
(US) OCULAR ULTRASOUND  
(TR) TRAUMA  
(LA) LABORATORY  
(BE) OCULAR BIOENGINEERING  
(EP) EPIDEMIOLOGY  
(EF) ELECTROPHYSIOLOGY

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

1. FIRST (PRESENTING) AUTHOR (REQUIRED)  
Must be author listed first in body of abstract  
(X) R1 ( ) R2 ( ) R3  
( ) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( ) PIBIC  
Moreno \_\_\_\_\_ Pilar \_\_\_\_\_ de Andrade Memoria  
Last Name First Middle  
\_Glaucoma \_\_\_\_\_  
Service (sector) N° CEP 20070926190143

TITLE: Intra-ocular pressure measurements differences after radial keratotomy using Goldmann, Pascal and Ocular Response Analyser tonometry.

AUTHORS: Moreno PAM., Nakayama S., Teixeira S.H, Paranhos Jr A..

PURPOSE: To compare the intraocular pressure (IOP) using Goldmann applanation tonometry (GAT), the ocular response analyzer (ORA), and the Pascal dynamic contour tonometer (PDCT) in eyes treated with radial keratotomy (RK).

METHODS: Patients with glaucoma history or glaucomatous optic disc head were excluded. IOP was measured in eyes after RK by GAT, ORA, and PDCT in a randomized sequence. Measurements of corneal biomechanical properties (corneal hysteresis [CH], corneal resistance factor [CRF] were recorded. Static ocular refraction, biomicroscopy, funduscopy, ultrasoni pachymetry and corneal topography were also performed.

RESULTS: Preliminary results showed mean IOP values of 13.1 mmHg for the GAT, 14.35 for PDCT and 22.6 for ORA measurements. Seventy five percent of PDCT had low quality measures and had to be excluded.

CONCLUSIONS: These preliminary results indicate that GAT values are lower than ORA and PDCT ones and that PDCT might have problems generating reliable measurements in post RK patients.