

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
 (L) Low Vision

3. PRESENTATION PREFERENCE (REQUIRED) Check one (1)
 (a) Paper
 (L) 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"

Verônica F. de C. Lima
 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) UVEITIS
 (LS) LACRIMAL SYSTEM
 (LV) LOW VISION
 (LO) 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
 R1 R2 R3
 PG0 PG1 Estagiário Tecnólogo PIBIC

_____ Lima _____ Verônica _____ Castro _____
 Last Name First Middle

_____ Glaucoma _____ 1114/06
 Service (sector) Nº CEP

5. ABSTRACT (REQUIRED)

CORRELATION BETWEEN WATER DRINKING TEST OUTCOMES AND BODY MASS INDEX IN PATIENTS WITH PRIMARY OPEN-ANGLE GLAUCOMA

Background: To evaluate the correlation between the water drinking test (WDT) outcomes and body mass index (BMI) in primary open-angle glaucoma (POAG) patients. **Methods:** Forty-one POAG patients (41 eyes) under glaucoma treatment were enrolled in this study. After inclusion, patients underwent weight and height measurements. The WDT was performed consisting in a basal intraocular pressure (IOP) reading followed by ingestion of 1 liter of tap water in 5 minutes. Then IOP was measured 4 times at 15 minutes intervals. IOP peak was considered as the maximum value of the 4 measurements and IOP fluctuation as the difference between the peak and the basal IOP. **Results:** There were statistically significant correlations between the IOP fluctuation and the following baseline parameters: BMI, weight, height, cup to disk ratio and IOP at baseline. **Conclusions:** These data suggest that patient's individual characteristics, including BMI and weight, may influence the WDT results. Patients with higher BMI presented lower IOP fluctuation in the WDT.