

**2009 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.

3. PRESENTATION PREFERENCE (REQUIRED) Check one:

- Paper
 Poster
 FAST Paper

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'

Scientific Section Descriptions (two-letter code):

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

Deadline: Oct 12, 2009

FORMAT:
Abstract should contain:

Title
Author, Co-authors (maximum 6),
Purpose, Methods, Results,
Conclusion.

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

21. FIRST (PRESENTING) AUTHOR (REQUIRED):

Must be the author listed first in abstract body.

- () R1 () R2 () R3 () PIBIC
 () PG0 (x) PG1 () Fellow () Technician

Last Name: Giacometti

First Name: Heloisa

Middle: Russ

Service (Sector): Glaucoma (GL); Laboratory (La)

CEP Number: 0954/06

5. ABSTRACT (REQUIRED):

Title OCULAR SURFACE CHANGES IN GLAUCOMA PATIENTS TREATED WITH FIXED COMBINATIONS OF PROSTAGLANDINES/0.5% TIMOLOL

Author and Co-authors (maximum 6) : RUSS, HELOISA HELENA ABIL; BARROS, JEISON; GOMES, JOSÉ ÁLVARO PEREIRA ;MELLO, PAULO AUGUSTO.

Purpose : To compare ocular surface changes induced by glaucoma treatment in patients using fixed combination of prostaglandine analogues (latanoprost, travoprost and bimatoprost) and timolol maleate 0,5%.

Methods: This study included 30 patients with ocular hypertension or open angle glaucoma and also without treatment. Patients with previous ocular surgeries, ocular inflammation, dry eye or multiple glaucoma treatment were excluded. Ocular surface evaluation, including biomicroscopic examination of lids and anterior segment, Break up time, Schirmer test and staining with Green Lisamine 1% quantifying by Bijsterveld scale, was performed before and after 3 months the use of fixed combination treatment for glaucoma. After the ophthalmologic examination, impression cytology samples of the conjunctiva were obtained and sent for HE&PAS staining and immunocytochemistry analysis with antibodies anti-IL-6, HLA-DR and FNT.

Results: Previous studies showed that prostaglandine analogues induced less changes in conjunctiva than timolol maleate. There have been no reports comparing the ocular surface changes induced by fixed combinations for glaucoma.

Conclusion The data of this experiment is in the process of immunocytological analysis.

Keywords: Impression Cytology; Fixed Combination; Glaucoma Treatment; Ocular surface; prostaglandine analogues, timolol maleate.