

2009 Research Days Abstract Form – Department of Ophthalmology – UNIFESP/EPM

2. SCIENTIFIC SECTION PREFERENCE (REQUIRED): CO

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)

10. FIRST (PRESENTING) AUTHOR (REQUIRED):
Must be the author listed first in abstract body.

() R1 () R2 () R3 ()
PIBIC
() PG0 (X) PG1 () Fellow ()
Technician

Last Name: Moreno
First Name: Natalia
Middle: Pimentel

5. ABSTRACT (REQUIRED):

Alterations of bacterial microbiota of the conjunctiva of diabetics with normal and abnormal glycosylated hemoglobin

Objective: Study the conjunctival bacteria flora of diabetics with normal and abnormal glycosylated hemoglobin.

Methods: Transversal study that conjunctival samples were obtained of 60 eyes of diabetics with normal and abnormal glycosylated hemoglobin and no diabetics who were control group. The sample was inoculated into blood and chocolate agars and thioglycolate broth.

Results: The positive culture of bacteria in the conjunctiva of diabetic with normal and abnormal glycosylated hemoglobin was 80% and 50% in control group. This difference was no statistically significant. *Staphylococcus epidermidis* was the most frequent isolated from the conjunctiva of diabetics, following *Streptococcus sp*, *Staphylococcus aureus* and *Escherichia coli*.

Conclusion: In spite of tendency positive culture of bacteria in diabetics when compared no diabetics, there was no significant statistical difference was found. *Staphylococcus epidermidis* was the most frequent bacteria isolated from the conjunctiva.

Keywords: Microbiology, conjunctiva, diabetes, glycosylated hemoglobin.