

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

2. SCIENTIFIC SECTION PREFERENCE (REQUIRED):
GL

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 13, 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)

111. FIRST (PRESENTING) AUTHOR (REQUIRED):

Must be the author listed first in abstract body.

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

Last Name: Stefanini
 First Name: Francisco
 Middle: Rosa

Service (Sector): Glaucoma

CEP Number: 1525/05

Título: **OCULAR PERFUSION PRESSURE DURING HEMODIALYSIS**

Authors: Francisco Rosa Stefanini, Carolina Pelegrini Barbosa, Fernando Penha, Miguel Ângelo Góes, Augusto Paranhos Junior

Purpose: To evaluate the estimated ocular perfusion pressure in patients during hemodialysis session. Methods: A prospective, observational case series was developed. IOP was evaluated using Tonopen tonometer. Systolic and diastolic blood pressure were also measured with manual sphygmomanometer. 67 eyes of 35 patients were evaluated in 3 different times during hemodialysis session. The ocular perfusion pressure was estimated by the difference between 2/3 of the medium blood pressure and intra ocular pressure. Generalized estimating equations was performed to evaluate the difference of the repeated measures with the appropriate correction for inter-eye dependency.. Results: There was no statistically significant difference in estimated ocular pressure perfusion between the three measurements (p=0.692). It was also observed no difference for IOP (p=0.934) and blood pressure (p=0.486) in the 3 different times. Conclusions: Our results did not support the idea of significant changes on ocular perfusion pressure during the hemodialysis.

Keywords: Ocular perfusion pressure, Hemodialysis, Intraocular pressure