

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 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)

114. FIRST (PRESENTING) AUTHOR (REQUIRED):

Must be the author listed first in abstract body.

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

Last Name: Landgren

First Name: Bruno

Middle:

Service (Sector): Glaucoma

CEP Number: 0892/09

5. ABSTRACT (REQUIRED):

Title: ANTERIOR CHAMBER DEPTH EVALUATION USING FLASHLIGHT TEST.

Author and Co-authors (maximum 6): Bruno Landgren, Carolina Pelegrini Barbosa, **Aline Kátia Siqueira Sousa**, Thiago Prata, Augusto Paranhos Jr.

Purpose: To assess the ability of non-ophthalmologists to detect potentially angle-closure using the flashlight test (FLT) in patients exposed to drugs that could trigger pupillary block.

Methods: FLT was performed on 14 patients (in one eye each) to identify if the anterior chamber depth was suspected or not. Gonioscopy was also performed in all patients and was considered as gold standard for occludable angle. Both FLT and gonioscopy ended with dichotomous results: in risk and not in risk. Kappa test was used for agreement evaluation.

Results: There was good agreement between both observers (Kappa= 0,84 p=0.01) and for each observer with the gold standard (first observer Kappa = 0.81 P=0.02 and second observer Kappa = 0.66). The sensitivity was 100% for both observer and the specificity was 0.91 for the first observer and 0.82 for the second one.

Conclusion: FLT has a very good sensitivity for diagnose of occlusive angles. The agreement between non-ophthalmologists was very good.

Keywords: Anterior Chamber Depth, Flashlight test, drugs, gynecologist, screening.