

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

2. SCIENTIFIC SECTION PREFERENCE (REQUIRED):

CO

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'

Cecília Sales Pires

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)

14. FIRST (PRESENTING) AUTHOR (REQUIRED):

Must be the author listed first in abstract body.

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

Last Name: Pires
 First Name: Cecília
 Middle: Sales

Service (Sector): DEOC

CEP Number: 1129/07

PTERYGIUM SURGERY WITH CONJUNCTIVAL AUTOGRAFT: COMPARISON OF FIBRIN GLUE AND SUTURE – PRELIMINARY RESULTS

AUTHORS: Cecília Sales Pires / José Álvaro Pereira Gomes / Denise de Freitas / Vera Lúcia Liendo da Costa

Purpose: To compare post-operative efficacy and safety amongst 10.0 nylon suture and beriplast® fibrin glue for conjunctival autograft fixation after pterygium excision.

Methods: Twenty three patients with primary pterygium underwent pterygium excision and conjunctival autograft. The patients were randomized in 2 groups, according to the technique for autograft fixation: with interrupted 10.0 nylon sutures in group I (8 eyes) and fibrin glue (Beriplast P®) in group II (15 eyes). Group I sutures were removed at the 15th post-operative day. The patients were evaluated at the first, seventh, fifteenth and thirtieth post-operative days. In all post-operative evaluations, an analogic symptoms questionnaire, including pain, strange body sensation, photophobia and epiphora, was graduated by the patients in a scale from 0 to 10 and slit lamp exam was performed.

Results: The mean operative time was 45±16 minutes in group I and 24±6 minutes in group II. At the first and thirtieth post-operative days, there was no statistical difference between groups in any of the symptoms evaluated. Foreign body sensation was greater in group I and achieved statistical significance at the seventh and fifteenth post-operative days (p=0.0071 and 0.0369). Epiphora was also greater in group I at fifteenth post-operative day (p=0.0357). No complications were observed in none of the groups.

Conclusion: The use of fibrin glue in pterygium surgery reduces operative time and seems to reduce some of the patients symptoms compared with suturing. Both techniques are safe.