2007 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 sullied to review your abstract
(CO)

3. PRESENTATION PREFERENCE (REQUIRED) Check one (1)
(a)   Paper
(b) Poster

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 Heisinki and the 'UNIFESP Ethical Committee"

Signature of First

Scientific Section Descriptions

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

Deadline: 29/10/2007

FORMAT:
Abstract should contain:
Title, Name of Authors, Name of other authors (maximum 6), Purpose, Methods, Results, Conclusions.
Example: ARVO (1.10 x 1.70)
Abstract Book

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1. FIRST (PRESENTING) AUTHOR (REQUIRED)
Must be author listed first in body of abstract

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CORNEA   0728/02
Service (sector)   Nº CEP
                                                         (Comitê de Ética em Pesquisa da Universidade Federal de São Paulo– UNIFESP)

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5. ABSTRACT (REQUIRED)
Amniotic membrane vs. anterior stromal puncture: a comparative study in the treatment of symptomatic bullous keratopathy

Fabiana Paris, M.D.; Eliana D. Gonçalves, M.D.; Élcio H. Sato, M.D.; Maira Morale s, M.D., Liliane Kanekadan, M.D., Mauro S. Q. Campos, M.D.; José Álvaro P. Gomes, M.D.

Purpose: To compare amniotic membrane transplantation (AMT) vs. anterior stromal puncture (ASP) in the treatment of symptomatic bullous keratopathy.
Patients/Methods: A prospective, randomized study was carried out at External Eye Disease and Cornea Service of the Federal University of Sao Paulo from June 2005 to December 2006. Thirty eight eyes of 38 patients with symptomatic bullous keratopathy were randomized in 2 gro ups: 18 patients underwent ASP and 20 patients AMT. Pre   -operative evaluation included anamnesis and a complete ophthalmological examination including esthesiometry and pachimetry by ultrasonic biomicroscopy (UBM). Clinical evaluations were performed 30. 90 and 180 days after the procedures.
Results: Evaluation of pain showed a significant decrease in frequency, duration and intensity $(p<0.001)$ in both groups comparing pre and post -operative after 90 and 180 days of follow-up. Esthesiometry values decreased in AMT group $(p=0.004)$ and in ASP group $(p=0.120)$ without significant difference between the groups $(p=0.556)$ after 180 days of follow up. A decreased of average pachimetric values $(p<0.001)$ was observed for AMT $(p=0.001)$ and ASP groups after 180 days of follow up.
Conclusion: AMT and ASP are both effective methods to relief the pain of patients with symptomatic bullous keratopathy.