

**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 suited 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 Helsinki and the UNIFESP Ethical Committee"

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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

1. FIRST (PRESENTING) AUTHOR (REQUIRED)  
Must be author listed first in body of abstract  
( ) R1 ( ) R2 (X) R3  
( ) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( ) PIBIC

GERADE RAFAEL DE ALMEIDA  
Last Name First Name Middle

CORNEA AND EXTERNAL DISEASE  
Service (sector) N° CEP  
(Comitê de Ética em Pesquisa da Universidade Federal de São Paulo-UNIFESP)

5. ABSTRACT (REQUIRED)

**5-Fluoracil Injection in an Experimental Model of Epithelialization of the Anterior Chamber in Rabbits.**  
R. A. Gerade, A. J. Cariello, G. C. Oliveira, B. D. Furlani, A. Forseto, M. Lowen, J. A. P. Gomes

Purpose - To assess the influence of the antiproliferative agent (5 -FU) on an experimental mode of epithelization of the anterior chamber in rabbit eyes.

Methods – Twelve male albino rabbits (12 eyes) were used in this experiment. An epithelial corneal flap (including limbus) of 5 x 10 mm was prepared and inserted into the anterior chamber of the same eye (OD) in all the twelve rabbits. The graft was positioned over the endothelium with the aid of an air bubble. 5-fluoracil (500 micrograms) was injected in the anterior chamber of six right eyes. In the control group (6 rabbits), it was injected balanced salt solution (BSS) in the right eyes. After two weeks , all animals were euthanised and both eyes were enucleated and prepared for histological studies.

Results – In the control group, histological analyses showed an epithelial membrane covering endothelium in all the six animals . The other group, that received the antiproliferative agent, showed the epithelial membrane in two cases only.

Conclusions – The antiproliferative agent (5 -FU) seems to play an important role in the inhibition of the growth of epithelial tissue in the anterior chamber.