

**2009 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.

**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'**

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**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)

**82. FIRST (PRESENTING) AUTHOR (REQUIRED):**

Must be the author listed first in abstract body.

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

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Middle: Ávila

Service (Sector): CORNEA AND EXTERNAL DISEASE

CEP Number: 04037-004

**EFFICACY OF TOPICAL 0.15% GANCICLOVIR OPHTHALMIC GEL FOR THE TREATMENT OF DENDRITIC OR GEOGRAPHIC CORNEAL ULCERS**

Camila Ávila Geraissate, Heloísa Nascimento, Denise de Freitas, Ana Luisa Hofling-Lima, Rubens Belfort Jr

Purpose: To evaluate the efficacy of topical 0,15% ganciclovir ophthalmic gel for the treatment of patients with the clinical diagnosis of herpetic dendritic or geographic corneal ulcers.

Materials and Methods: Prospective, non-comparative of 15 eyes of 15 patients with dendritic or geographic herpetic ulcers treated with topical 0,15% ganciclovir ophthalmic gel (custom compounded by Ophthalmos Pharmacy, São Paulo, Brazil), 5 times a day for 14 days. Subjects were evaluated on days (d) zero, 3, 7 and 14. Ophthalmological exam comprised evaluation of symptoms related to the infection or the treatment, visual acuity, and biomicroscopy before and after fluorescein staining. The areas of corneal lesions were measured by a standardized protocol (millimetric-scale).

Results: All patients on day 3 presented improvement on visual acuity, ocular discomfort and photophobia as well as corneal edema. No epithelial lesion was noted on biomicroscopy exam already on day 3. No toxicity by slit lamp exam was found on day 14.

Conclusion: Therapy with 0,15% ganciclovir ophthalmic gel was effective in few days for the treatment of geographic or dendritic keratitis caused by herpes simplex. No toxicity was clinically detected by biomicroscopy.

Keywords: topical ganciclovir, herpes simplex virus, dendritic herpetic ulcers