| 2009 Research Days | Abstract Form – Department of Ophthalmology – UNIFESP/EPM |
|--|---|
| SCIENTIFIC SECTION PREFERENCE (REQUIRED): LOFT Review the Scientific Section Descriptions. Select and enter the two-letter Code for the one (1) Section best suited to review your abstract. | 15. FIRST (PRESENTING) AUTHOR (REQUIRED): Must be the author listed first in abstract body. |
| | () R1 () R2 () R3 () PIBIC () PG0 (X) PG1 () Fellow () Technician |
| 3. PRESENTATION PREFERENCE (REQUIRED) Check one: X Paper Poster FAST Paper | Last Name: Cariello First Name: Angelino Middle: Julio |
| - | Service (Sector): (LA) LABORATORY |
| 4. The signature of the First (Presenting) Author (REQUIRED) acting as the authorized agent for all authors, hereby certifles that any research reported was conducted in compliance with the Declaration of Helsinki and the 'UNIFESP | CEP Number: 1573/08 |
| Ethical Committee" | |
| | Assessment of <i>in vivo</i> ocular toxicity of nitric oxide donors compounds. |
| | Authors: Cariello AJ, de Souza GFP, Lowen M, Nakayama SA, de Oliveira MG, |
| Scientific Section Descriptions (two-letter code): | Hofling-Lima AL. |
| (BE) OCULAR BIOENGINEERING (CO) CORNEA AND EXTERNAL DISEASE (CA) CATARACT | Purpose: To evaluate the ocular toxicity of two nitric oxide donors: S- |
| (EF) ELECTROPHYSIOLOGY (EP) EPIDEMIOLOGY (EX) EXPERIMENTAL SURGERY (GL) GLAUCOMA (LA) LABORATORY | nitrosoglutathione (GSNO) and S-nitroso-N-acetylcysteine (SNAC) prepared in a |
| | methylcellulose matrix by using an <i>in vivo</i> animal model. |
| (LS) LACRIMAL SYSTEM (LV) LOW VISION | Methods: twenty albino rabbits were enrolled in this study. All animals underwent |
| (NO) NEURO-OPHTHALMOLOGY (OR) ORBIT | clinical slit lamp examination. The animals were randomized into 4 groups of 5 |
| (PL) OCULAR PLASTIC SURGERY (PH) PHARMACOLOGY (RE) RETINA AND VITREOUS (RS) REFRACTIVE SURGERY (RX) REFRACTION-CONTACT LENSES (ST) STRABISMUS | animals: Group 1 (GSNO1), 0.15ml of GSNO at a concentration of 1mM prepared |
| | in a methylcellulose matrix was instilled onto the right eye. The left eye received |
| | the same volume of methylcellulose matrix (control). Group 2 (GSNO10), Group 3 |
| (TR) TRAUMA (TU) TUMORS AND PATHOLOGY | (SNAC1) and Group 4 (SNAC10), the same procedure was performed with GSNO |

analyzed histologically.

(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)

Results: There was no difference between control and treatment eye according Draize eye test score in all groups. There was no evidence of tissue toxicity in the histological analysis in all animals.

at concentration of 10mM and SNAC at concentrations of 1 and 10mM, respectively. After 30 minutes, 24 and 48 hours all the animals underwent a clinical evaluation and were scored according to Draize eye test. The eyes were

Conclusion: GSNO and SNAC at concentration of 1 and 10 mM are not ocular irritating compounds.