

**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  
(OR)

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"

\_\_\_\_\_  
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 ( ) R3  
(X) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( ) PIBIC  
  
Manso Paulo Gois  
Last Name First Name Middle  
  
Orbit N° CEP  
Service (sector) (Comitê de Ética em  
Pesquisa da Universidade  
Federal de São Paulo –  
UNIFESP)

5. ABSTRACT (REQUIRED)  
**Comparison between Magnetic Resonance Image signal intensity and clinical activity score, before and after treatment in patients with graves Ophthalmopathy**  
Paulo Gois Manso, João Roberto Maciel Martins, Reinaldo Furlanetto, Luis Paves , Deise Nakanami, Angela Wolosker  
  
**PURPOSE:** The purpose of this study is to correlate the clinical activity score (CAS) and intensity signal of extraocular muscle in the resonance magnetic image before and after treatment of Graves's Ophthalmopathy.  
  
**METHODS:** Two nty-nine patients with active Graves' Ophthalmopathy were enrolled in a prospective study and submitted to a clinical ophthalmologic exam and magnetic resonance image (MRI). The patients were classified according to the Clinical Activity Score (CAS) and th e MRI of extraocular and white matter signal intensity performed on the T2 sequences (SI). Dates were obtained of all Graves Ophthalmopathy patients before and after clinical treatment. This treatment was performed by radiotherapy, corticosteroids and colchicine, isolated or by association between then.  
  
**RESULTS:** There was a positive relationship between CAS and SI before and after treatment even in those patients who do not respond adequately. Considering absolute values of CAS and SI, 8 patients obtained an improvement less than 50% (non-responders) while 21 presented an amelioration of more than 50% (responders). In this situation, neither CAS nor SI pre -treatment were predictors parameters of therapeutic response (p= 0.35 and p= 0.11, respectively). On t he other hand, when these parameters post -treatment were analyzed, those patients that non -respond to treatment maintained higher values of CAS and SI when compared to responders.  
  
**CONCLUSION:** Although CAS and SI had a positive correlation before treatmen t, high values of these parameters are not predictors of therapeutic response in Graves' Ophthalmopathy. On the other hand, the combination of these two parameters post -treatment was useful on the identification of those patients who persisted with clinical ocular inflammation pointing for the need of a new management of this disease.