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 -lette Code for the one (1) Section best sullied to review your abstract 1. FIRST (PRESENTING) AUTHOR (REQUIRED) Must be author listed first in body of abstract ()R1 ()R2 ()R3 (X)PG0 ()PG1 ()Estagiário ()Tecnólogo ()PIBIC (RE) 3. PRESENTATION PRE (REQUIRED) Check one (1) (a) Paper (b) **Poster** Torres Last Name Rogil First Name José de Almeida Middle FERENCE Retina and Vitreous Service (sector) 0806/07 Nº CEP (Comitê de Ética em Pesquisa da Universidade Federal de São Paulo-UNIFESP) 4. The signature of the First (Presenting) Author, (REQUIRED) acting as the authorized agent for all authors, hereby certifies. That any research reported was con-in compliance with the Declaration of Heisinki and the 'UNIFESP Ethical Committee" 5. ABSTRACT (REQUIRED) Evaluation of Early Chorioretinal Abnormalities in Hypercholesterolemic Rabbits Submitted to the PPAR-gamma Agonist Treatment (Rosiglitazone): Histological and Histomorphometric Study Rogil José de Almeida Torres, Mauricio Maia, Dalton Bertolim Précoma, Michel E. Farah, Lucia Noronha, Luca Rodrigo Pasqualotto, Cristina Muciolli Signature of First 1.Purpose: To evaluate, in a rabbit model, the degenerative histological abnormalities in the choroids and sclera following the daily administration of high cholesterol dosages as well as the possible prevention of these degenerative abnormalities following systemic administration of oral rosigiluzone, an activator of agonis PPAR ocular gamma receptors. 2.Methods: 55 New Zealand rabbits were studied and they were divided in four groups based on the diet that mimals were submitted (normal diet or diet containing high levels of cholesterol). Control Group (CG) (06 rabbis): normal diet of text containing high levels of cholesterol: Control Group (CG) (06 rabbis): normal diet of are origination of all or 36% cholesterol diet for two weeks and then a 0.5% cholesterol diet for 4 weeks. Additionally, this group also received 3 mg of rosigilitazone daily after thet with weeks since the beginning of the experiment. Fourth group (G3) (18 rabbits): high cholesterol diet for two weeks and then a 0.5% cholesterol and park solution and 0.5% cholesterol and park solution and 0.5% cholesterol diet for two weeks ince the beginning of the experiments. Data was analysed by Shapiro Warks-Test and P va lues lower than 0.05 were considered statistically significant. 3.Results: No abnormalities were observed in CG. However, G1 group showed a significant increase in sclerochoroidal thickness (301,48 +/ -50,12); however, this value was not statistically significant (p=0.22). The G group showed a sclerochoroidal thickness thinner(280,11 +/ 47,94) than G1(301,48 +/ -50,12); his value was not statistically significant (p=0.22). The G group showed a sclerochoroidal thickness thinner(26,61 +/ 47,94) than G1(301,48 +/ -50,12); his value was not statistically significant (p=0.22). The G group showed a sclerochoroidal thickness thinner(26,61 +/ 47,94) than G1(301,48 +/ -50,12); his value was a chart antomy. The finding manner, 4.Conclusions: This study revealed that hypercholesterolarina may lead to early degenerative abnormalities of the c 1.Purpose: To evaluate, in a rabbit model, the degenerative histological abnormalities in the Scientific Section Descriptions (CR) OBBIT (PL) OCULAR PLASTIC SURGERY (RE) RETINA AND VITREOUS (IN) RETRACTIONALITACI LENSES (IN) RETRACTIONALITACI LENSES (IN) INMORS AND PATHOLOGY (IC) INTRALINA Scientific Section Descriptions 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