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PIBIC Last Name - Borges First Name - Leonardo Middle - P.

Service (sector) Cornea and External Disease -  
Immunology/Pharmacology N° CEP

**Cornea neovascularization inhibition by macrophage depletion through Clodronate liposomes injection.**

Leonardo P. Borges, Acacio Lima Filho, Rubens Belfort Jr.

Department of Ophthalmology, Federal University of Sao Paulo, Sao Paulo, Brazil.

**Purpose:** Neovessel formation is a condition common to several ocular diseases, as rubeosis iridis, pterygium and vasoproliferative retinopathies. The aim of this study is to determine whether local macrophage/monocyte depletion through clodronate liposomes(a drug normally used for treatment of osteoporotic diseases) injection can inhibit the angiogenesis stimulus in determined ocular pathologies.

**Methods:** Patients with ocular pathologies related to neovessel formation(corneal graft rejection, pterygium) will receive a pericorneal subconjunctival injection of a 5cc liposomes suspension containing either clodronate (treated group) or PBS (control group). After treatment, the patients will be evaluated clinically with a slitlamp and the effectiveness of the therapy assessed by the measurement of new blood vessels development.

**Results and Conclusion:** Preliminary results of experiments will be presented in the meeting.