

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
PIBIC Last Name - Lake First Name - Jonathan Middle - Clive

Service (sector) CataractNº CEP

Timed anterior chamber removal of ophthalmic viscoelastics

Presenting Author: Lake JC

Authors: Vita JBS, Lima Filho AAS, Lourenço ACS, Dias ABT, Freitas LL

Purpose: To compare the time needed to remove different concentrations of viscoelastics from the anterior chamber in an experimental model with porcine eyes.

Methods: Forty porcine eyes were divided into 4 groups of 10 eyes. The anterior chambers of all 40 eyes were filled with viscoelastics at different concentrations dyed with fluorescein in order to allow for direct observation under the microscope. In Group 1 the anterior chamber was filled with methylcellulose 2%; Group 2 used methylcellulose 4%; Group 3 used sodium hyaluronate 1.6%; and Group 4 used sodium hyaluronate 2%. The viscoelastics were removed with an irrigation / aspiration probe (Sovereign – AMO) using vacuum at 500 mmHg and aspiration at 28 cc/min. The total time needed for complete removal of viscoelastics was recorded for all eyes.

Results: The results will be presented at the Research Days Meeting on December 10-11, 2004 at the Department of Ophthalmology of the Federal University of São Paulo

Conclusions: The time necessary for viscoelastic removal will be compared and commented at the Research Days Meeting in December, 2004.