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Service (sector) Cornea and External Disease N° CEP

**Amniotic membrane implant with tissue adhesive on the cornea-scleral bed of rabbits External Disease and Cornea Sector**

Alexandre Príncipe, Denise de Freitas, José Alvaro Gomes, Luciene Barbosa de Sousa Purpose: To verify the efficacy and safety of amniotic membrane implants with tissue adhesive in the cornea-scleral bed of rabbits Methods: 20 male New Zealand albino rabbits, weighing from 2 to 2,5 Kg, 80 to 100 days of age, resident in the Biological Institute were divided in two groups. Under general anesthesia with intra-muscular Ketamine hydrochloride, 50mg/Kg and Xylazine 5mg/Kg, both groups were submitted to unilateral corneal and conjunctival chemical burn with absolute alcohol. In group 1, amniotic membrane was sutured epithelium facing down in the corneal-scleral bed with a 10-0 nylon running suture. In group 2, the amniotic membrane was glued epithelium facing down with tissue adhesive (Beriplast Pâ, Aventis Bearing). Antibiotics and corticosteroids eye drops were administered qid; during the study both groups were followed with daily exams and pictures. On each exam the adherence of the amniotic membrane to the cornea-scleral bed was verified. At the end of 15 days the rabbits were sacrificed with lethal dose of the anesthetic agents Ketamine and Xylazine. Results: The final data will be presented.