

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo PIBIC

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Service (sector)

Cornea and External Disease

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Conjunctival transposition surgical technique for pterygium treatment.

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Purpose: To evaluate the efficacy of conjunctival transposition surgical technique in the treatment of pterygium

Patients and Methods: A prospective study involving 10 eyes from 10 patients with primary pterygium was carried out at the Cornea and External Disease Service of the Department of Ophthalmology, Federal University of Sao Paulo. Only patients older than 18 years old, with surgical indication for primary pterygium, without visual axis involvement, other past/present eye diseases or dubious diagnosis were included in the study. Conjunctival transposition surgical technique was performed in all affected eyes. Recurrence was evaluated using a grading system (1- normal appearance of surgical area, 2- fine episcleral vessels extending to limbus, 3- fibrous tissue in surgical area, 4- corneal recurrence). Patients were evaluated in days 1, 7, 15, and months 1, 3, 6, 12. Biomicroscopic photographs were acquired to document the follow-up and recurrence.

Results: No recurrence and low conjunctival inflammation was observed in all cases after 2 months of follow-up.

Conclusions: Conjunctival transposition surgical technique seems to be a good and feasible option for the treatment of primary pterygium. A prospective comparative study with more follow up time is needed to further define the long term efficacy of this technique.