

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Glaucoma N° CEP

Combined cataract and glaucoma surgery with mitomycin-C or 5-fluorouracil or no antimetabolites.

Purpose: To compare the results of trabeculectomy combined with phacoemulsification and IOL implantation in three groups: (1) using mitomycin-C; (2) using 5-fluorouracil and (3) without antimetabolites. All the procedures were performed by the same surgeon using the same phacoemulsificator. All the patients were submitted to intraocular lens implantation of the same kind.

Methods: We have made a retrospective study of 63 eyes submitted to triple procedure (trabeculectomy combined with phacoemulsification and IOL implantation) . 16 eyes were exposed to mitomycin-C (0,25% per 5 minutes) during the surgery. 24 eyes were exposed to 5-fluorouracil (50 mg/ml per 5 minutes) during the surgery . 23 eyes were not exposed to any of antimetabolites We have studied the IOP (intraocular pressure) before and six-months after procedure in the 3 groups using SPSS program (ICC version)

Results: Mean IOP before the procedure was the following: (1) 25.43 ± 5.39 mmHg in control group; (2) 24.25 ± 5.65 mmHg in mitomycin-C group and (3) 22.58 ± 5.07 mmHg in 5-fluorouracil group. Mean IOP six-months after the procedure was the following: (1) 13.24 ± 4.52 in control group; (2) 13.44 ± 5.05 mmHg in mitomycin-C group and (3) 13.13 ± 4.22 mmHg in fluorouracil group.

Conclusion: There were no significant difference among the 3 groups when we considered the IOP before and six-months after the procedure under statistical analyses.