

ABSTRACT

Comparison of latanoprost with timolol in lowering intraocular pressure in patients with primary open angle glaucoma

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Objective: To evaluate efficacy of latanoprost as compared to timolol in lowering intraocular pressure (IOP) in patients with primary open angle glaucoma (POAG).

Design: Comparative study

Participants: A total number of 40 patients included in this study at the department of ophthalmology Nishtar Hospital Multan, out of which 20 patients received latanoprost eye drops once daily and 20 patients received timolol eye drops twice daily.

Method: There were two groups each comprising of 20 eyes. Effect of intraocular pressure was studied by using Timolol in group I and Latanoprost in group II. Timolol was prescribed twice daily as one drop in the morning and one drop in the evening, while Latanoprost was prescribed once daily as one drop in the evening.

Results: At the end of study with six months follow-up, the mean reduction in IOP from base line was 5.63 mm Hg (22.56%) in patients receiving Timolol and 7.88 mm Hg (30.13%) in patients receiving Latanoprost

Conclusion: Latanoprost 0.005% is an effective ocular hypotensive agent than Timolol 0.5% in lowering IOP in primary open angle glaucoma. *Al-Shifa Journal of Ophthalmology 2006; 2(2): 54-63 © Al-Shifa Trust Eye Hospital, Rawalpindi, Pakistan.*