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Medication Burden in 3+Meds Glaucoma Eyes Following Canaloplasty via an Ab-Interno Technique Combined with Phacoemulsification

E-Poster

Purpose: To evaluate the effectiveness of 360-degree canaloplasty using iTrack microcatheter (Nova Eye Medical, Fremont, USA) in glaucoma patients on 3+ medications.

Setting: A prospective multicenter case series.

Methods: A prospective multicenter case series of eyes undergoing canaloplasty either combined with cataract surgery or performed as a standalone procedure. Patients with glaucoma and on 3+ medications were included. Primary endpoints included intraocular pressure (IOP) and number of medications at 12 months.

Results: IOP (mmHg) and number of medications at baseline (n=127) were 17.4 ± 5.37 and 3.46 ± 0.59 , which reduced to 14.1 ± 4.86 (-19.3%; $p < 0.001$) and 2.12 ± 1.45 (-38.8%; $p < 0.001$) at 12 months (n=41), respectively. Nine eyes (22.0%) were medication-free at 12 months. There was a reduction in number of medications in 22 eyes (53.7%; mean reduction: 2.55 meds); the other 19 eyes had no change in medications; no eye had an increase in medications. Twenty eyes (48.8%) still required the use of 3 or more medications.

Conclusion: Canaloplasty when combined with cataract surgery or performed as a standalone procedure reduced medication burden in eyes requiring 3 or more medications at baseline up to 12 months postoperatively.



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