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## **Efficacy and Safety Profile of Ab-Interno Canaloplasty Performed With and Without GATT in Uncontrolled Glaucoma Eyes – 24 Month Outcomes**

*E-Poster*

**Purpose:** To investigate the outcomes of ab-interno canaloplasty with the iTrack microcatheter (Nova Eye Medical, Fremont, USA.) performed as a standalone procedure, or in combination with gonioscopy-assisted transluminal trabeculotomy (GATT).

**Setting:** A single-center retrospective case series.

**Methods:** Patients with uncontrolled ( $\geq 18$ mmHg) moderate or severe primary open-angle glaucoma and no history of glaucoma surgery, except for SLT or CPC, underwent treatment with either iTrack or iTrack+GATT. All eyes except 1 underwent canaloplasty combined with phaco. Primary endpoints were mean intraocular pressure (IOP) and mean number of medications at 12-24 months.

**Results:** Twenty-one eyes (5 iTrack and 16 iTrack+GATT) were included. Mean baseline IOP (mmHg) was  $24 \pm 4.6$  (iTrack) and  $21.8 \pm 5.2$  (iTrack+GATT) and the number of glaucoma medications was  $1.4 \pm 0.5$  and  $2.3 \pm 0.9$  respectively. At 24 months, mean IOP reduced to  $12.8 \pm 1.2$  (iTrack; -47%) and  $11.8 \pm 2.7$  (iTrack+GATT; -46%) and medication use was  $1.4 \pm 1.4$  (no change) and  $1.3 \pm 0.5$  (-42%) respectively.

**Conclusion:** In eyes with uncontrolled glaucoma, canaloplasty resulted in a sustained and comparable reduction in IOP when performed as a standalone procedure or with GATT. Canaloplasty combined with GATT also resulted in a reduction of glaucoma medications.



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