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Service (sector) Glaucoma N° CEP

OUTCOMES OF MODIFIED SCHOCKET DRAINAGE IMPLANT FOR REFRACTORY GLAUCOMA

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Purpose: To analyze the efficacy and safety of the modified Schocket drainage implant surgery in refractory glaucoma. **Material and Methods:** A total of 35 patients (38 eyes) with refractory glaucoma who underwent filtering surgery using an anterior chamber tube shunted to a 90-degree encircling band (modified Schocket implant) were included in this study. Data on intraocular pressure (IOP) and postoperative complications were analyzed. The adopted criteria for failure of the surgical procedure included IOP above 21 mmHg after 2 months of surgery and performance of additional glaucoma surgical procedure. **Results:** The mean (\pm SD) preoperative IOP was 30.0 ± 10.0 mmHg. At the 1-month, 6-month and 12-month postoperative visits, the mean IOP decreased to 19.9 ± 8.7 mmHg ($P < 0.001$), 16.3 ± 6.2 mmHg ($P < 0.001$) and 20.0 ± 10.7 mmHg ($P = 0.06$), respectively. The median survival time was 12 months. The most frequent postoperative complications were transient hyphema in 6 eyes (16%) and iris-tube touch in 5 eyes (13%) eyes.

Conclusions: Modified Schocket implant surgery presents modest results regarding efficacy and safety for the treatment of refractory glaucoma.