The Efficacy Of Alahmady Ring Implantaion In Management Of Neovascular Glaucoma

Purpose: *To evaluate the efficacy and safety of Alahmady ring implantation in the management of neovasular glaucoma.*

Methods: *A retrospective analysis of 15 eyes of 15 patients with intractable neovasular glaucoma with intraocular pressure (IOP) ≥28 mm Hg not responding to medical treatment. All patients had poor visual acuity either blind eyes or just perception of light. All patients underwent implantation of Alahmady ring which designed from fenestrated silicon tube used in lacrimal surgeries and implanted subscleral after passage through the anterior chamber. Patients were followed up for at least 24 months .Success in this study was defined as intraocular pressure (IOP) ≥8 mm Hg and ≤21 mm Hg, with not more than one glaucoma drug , and improvement of patient symptoms and improvement of signs of congestion.*

Results: *15 eyes of 15 patients 9 males(60%) and 6 females(40%) involved in this study The median IOP before surgery was 33.82 mmHg (SD: 6.98), and it was 14.05 mmHg (SD: 7.57) postoperatively. The range of follow-up was 24 months to 36 months. Success of Ahmady drainage device was defined as an IOP less than 21 mmHg with or without medication on the last follow-up visit, The medication with only one anti glaucoma drug and without severe complications or further glaucoma surgery.*

Conclusions: *Ahmady Ring implantation is a good surgerical option for neovascular glaucoma however longer follow up period is recommended.*