









Target pressure rules of thumb:

- Early POAG and ocular hypertension: Reduction of 25-30% from high IOP reading

 OHTS, EMGT, CIGTS
- Moderate POAG: 35% or more reduction; no higher than 18 mmHg – AGIS, CIGTS
- Severe POAG: no higher than 15 mmHg and optimally 10-12 mmHg $\mbox{ AGIS}$
- · Always exceptions! And the target is not set in stone

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Glaucoma Considerations When COMPLIANCE with drops is low When MEDICAL THERAPY FAILS When the PROGRESSION continues to WORSEN Treatment options More medications Laser therapy Surgical intervention



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Reardon, Schwartz, Mozaffari. Clin Therap 2003;25:1172 Gurwitz et al. Am J Public Health 1993;83:711-6.



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Case Presentation CC: vision cloudy OS>OD HPI: 68 yo WM presents for cataract evaluation with h/o controlled moderate OAG OS>OD Current meds: Levobunolol QD OU, Travataprost qhs OU, Optive

- POHx: SLT OU 2007
- FamHx: mother with glaucoma









What Do You Get When You Add? = Great Candidate for MIGS/PHACO 22









- How to position the cataract operation in the management scheme of the patient's glaucoma condition?
- Is it better to choose one sequence and type of surgery before the other, or to combine two procedures?
- STRESS the IMPORTANCE of visual fields PRIOR to cataract surgery

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MIGS Technologies











































Ab Interno Canaloplasty

- Provides dilation of:
 - TM
 - Schlemm's Canal
 - Collector channels
- Atraumatic, allows for other future MIGS options and/or SLT
- Combined with phaco or standalone
- 30% reduction in IOP, 50% decrease in medication¹





Ab interno

Clear corneal incision

Schlemm's canal

suture

Small goniotomy to access

• Viscodilation – no tensioning

Ab externo Canaloplasty

- Conjunctival dissection
 - Scleral flap to access Schlemm's canal
 - Prolene suture placed to keep Schlemm's canal open

















1. XEN® Directions for Use; 2. Vogt et al. In: Blume-Peytavi et al, eds. Hair Growth and Disorders. 2008











Post-operative Cataract IOP Spikes in Glaucoma Patients

- Adequate control <u>prior</u> to surgery – Additional drops
- SLT prior
- Consideration of combined glaucoma and cataract procedures
- Aggressive treatment perioperatively
 - Diamox at the end of the case, early post-op
- Closer follow-up post-operatively

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24 Month Phase I/II Clinical Trial Bimatoprost pellet (6, 10, 15, or 20 micrograms) 75 Patients Topical bimatoprost 0.03%











Bimatoprost Ring where the second se

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