

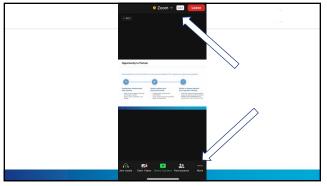


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- CE certificates will be delivered by email and sent to ARBO with OE tracker numbers
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- Ask questions using the zoom on-screen floating panel



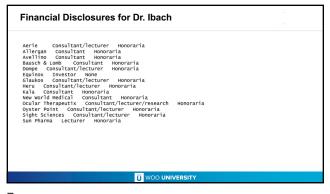
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Speaker Bio -Dr. Mitch Ibach is a residency trained optometrist at Vance Thompson Vision in Sioux Falls, SD. Dr. Ibach attended the Pacific University College of Optometry Completed his residency training at Minnesota Eye Consultants with a concentration on correa, refractive surgery, external disease and glaucoma. In September of 2014, he joined Vance Thompson Vision to focus on advanced anterior segment surgery care and pathology, Mitch is a fellow of the American Academy of Optometry, an Intripid Eye Society member, a member with the American Academy of Optometry and Society (OGS), and the South Dakota Optometric Society, Mitch serves as the associater residency director at Vance Thompson Vision and is also an adjunct clinical faculty for the Illinios College of Optometry and the Pikesville College of Optometry.

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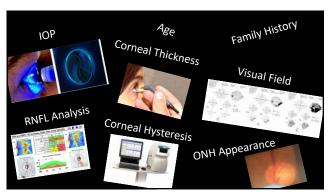


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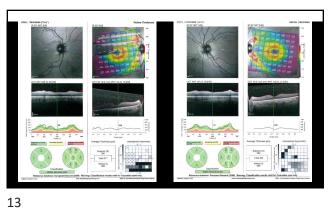
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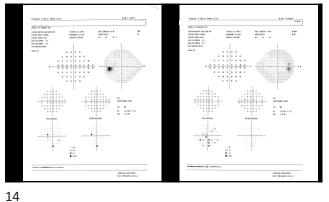


Patient LM 65 year old female Case 1 CC: "I was told I am at risk for glaucoma" BCVA: 20/20 OD 20/20 OS No Meds IOP: 27 OD; 27 OS Pachymetry: 583 OD Gonio Tmax: Unknown 583 OS Ciliary Body ONH Eval: 0.50/0.50 OD Corneal Hysteresis: OD: 10.5 OS: 10.5 0.60/0.60 OS

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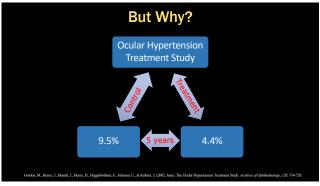


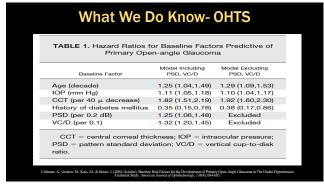


In this 65 yo Patient I would diagnose • A. Ocular Hypertension (OHTN) • B. Preperimetric glaucoma (Open-angle borderline findings) • C. Mild POAG (open angle) • D. Low risk glaucoma suspect

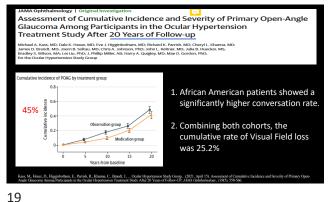
For management of LM, I would • A. Start a prostaglandin analogue (PGA) (travoprost QD) • B. Recommend Selective Laser Trabeculoplasty (SLT) • C. Recommend monitoring with IOP check in 3 months  $\bullet$  D. Recommend monitoring with OCT, IOP, VF in 6 months

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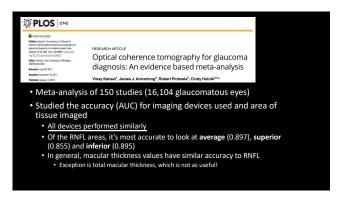


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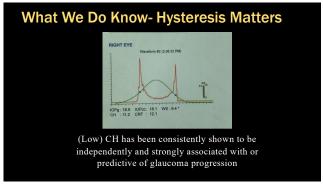
Do I Need OCT? Optical Coherence Tomography (OCT) is non-invasive cross-sectional imaging tool Light waves (IR) scattered by ocular structures are measured by interferometry Use in glaucoma • Peripapillary retinal nerve fiber layer (RNFL) Macular nerve fiber layers (mNFL) Ganglion cell layer with inner plexiform layer (GCIPL) Ganglion cell complex (mNFL + GCIPL)

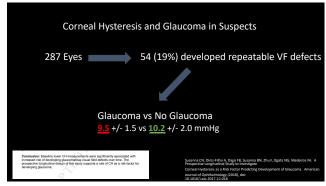
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OCT Pay attention to TSNIT curve. Pay attention to the actual numbers in the segmentation plot Pay attention to the numbers between eyes in the segmentation plot Beware of the artifact!

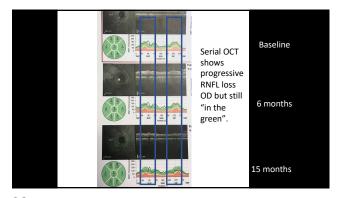
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For this same patient, I would now suggest
A. Start a prostaglandin analogue (latanoprost QD)
B. Recommend Selective Laser Trabeculoplasty (SLT)
C. Recommend monitoring with IOP check in 3 months
D. Start a beta blocker (timolol BID)

What Change Matters?

Average RNFL = ~ 4 microns

Superior/Inferior RNFL = ~ 7 microns

Macular GCL-IPL = ~ 4 microns

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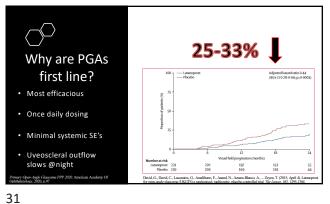
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| Aqueous<br>Suppressants   | Uveoscleral<br>Outflow   | Aqueous<br>Suppressants   | Uveoscleral<br>Outflow +<br>TM outflow | Rho-Kinase<br>Inhibitor | Compounded<br>Meds  |
|---|--|---|--|-------------------------|---|
| -B-blockers<br>-Alpha-2-<br>adrenergics<br>-CAI's   | -Prostaglandins  | -Combo Drops  |  |                         | -B-blockers<br>-Alpha-2-<br>adrenergics<br>-CAI's<br>-PGA's |
| Timoptic *timolol *betaxolol  Alphagan P *brimonidine  Azopt *brinzolamide Trusopt *dorzolamide | Lumigan *bimatoprost Travatan Z *travoprost Xalatan *latanoprost Zioptan Xelpros | Combigan *brimonidine- timolol Cosopt *dorzolamide- timolol Simbrinza | Vyzulta                                | Rhopressa<br>Rocklatan  |   |

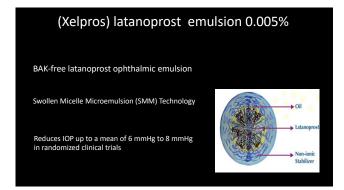


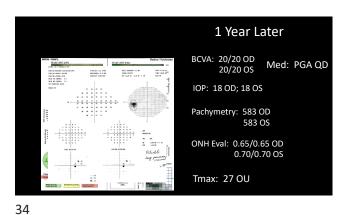
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What PGA should I Use? Monotherapy in POAG 60 Previously untreated patients with POAG Baseline IOP 25-26mmHG at 8:00am • 1\* endpoint IOP at 3 months after starting medication IO P decre ase mmHG ■ latanopr ost QD ■ bimatopro st QD

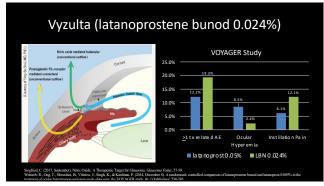
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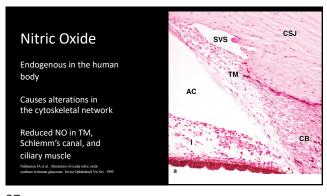


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For this very same patient on a PGA, I would now suggest • A. Switch to a PGA + NO donor (Vyzulta QD) • B. Add a beta blocker (timolol QAM) • C. Add a combination medication (dorz-timolol BID) • D. Recommend SLT



35 36



Retrospective Chart Review on Real-World Use of Latanopsotene Bunod 0.024% in Treatment-Naïve Patients with Open-Angle Glaucoma

• Multicenter, noninterventional retrospective chart review

• Charts were included if patients

• Were aged ≥ 18 years

• had no history of medical, laser, or surgical intraocular pressure (IOP)-lowering intervention

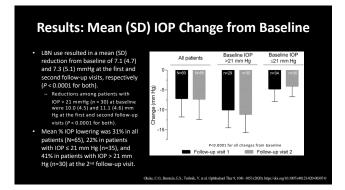
• Had at least two follow-up visits (spanning ≥ 2 months) following initiation of LBN treatment.

• Data extracted from the charts included age, sex, race, cup-to-disk ratio, central corneal thickness, IOP, visual aculty (VA), concomitant medications, and adverse events.

• Reduction in IOP was determined for the overall dataset and in patients with IOP ≤21 mm Hg and >21 mm Hg

• In patients treated bilaterally, the eye with the higher baseline IOP was the study eye.

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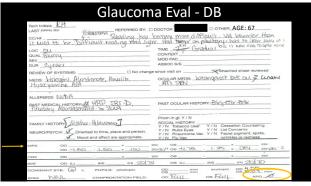
Glaucoma Eval — Pt. DB

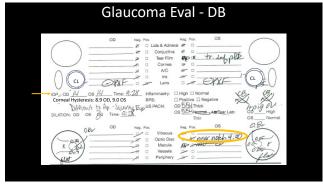
Tech Intends E'H

LAST SEEN BY

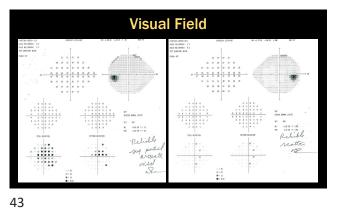
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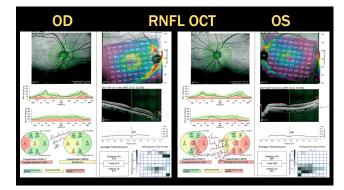
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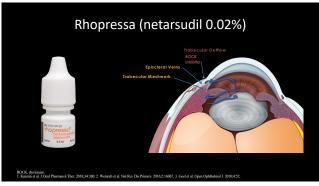


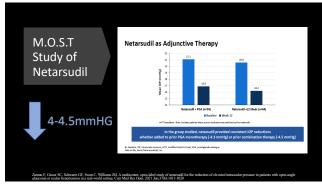


For this progressing patient OS on a generic PGA with an IOP of 14 , I would suggest • A. Switch in class to a name brand PGA (Lumigan QD) • B. Add a rho kinase inhibitor (Rhopressa QD OS) • C. Add a combination medication (dorz-timolol BID OS) • D. Recommend SLT OU • E. Refer for glaucoma surgery OS (tube shunt)

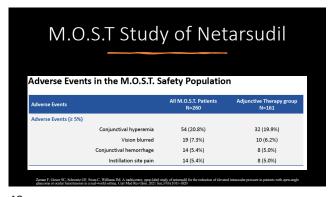
Corneal Hysteresis found to be associated with progression

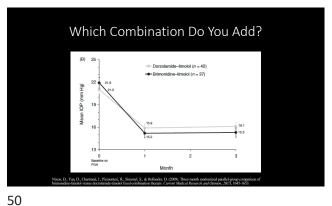
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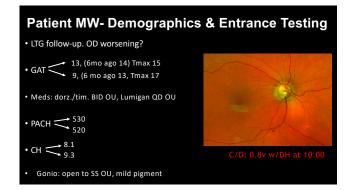


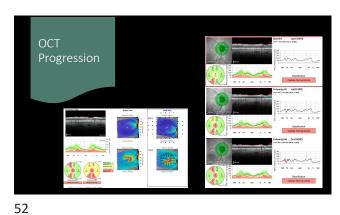


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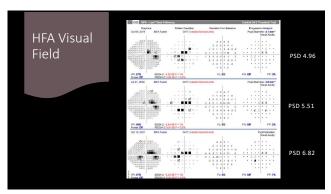






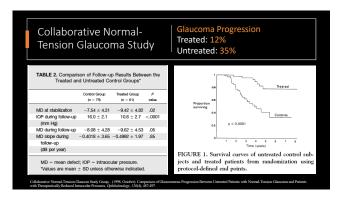


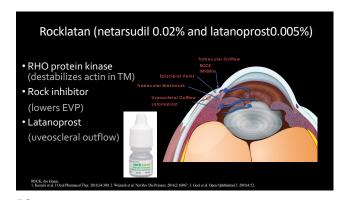
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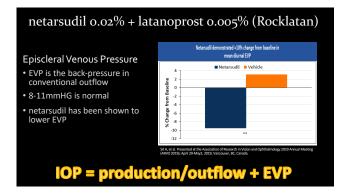


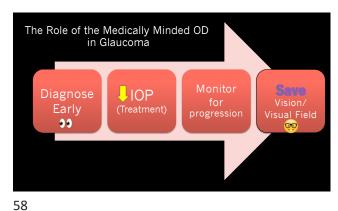
What is your treatment goal for low tension glaucoma?
A. Reduction of IOP is irrelevant in LTG
B. 25% reduction from baseline IOP
C. 30% reduction from baseline IOP
D. 40% reduction from baseline IOP

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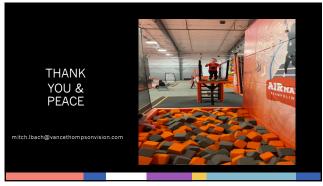


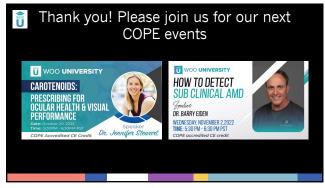






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