

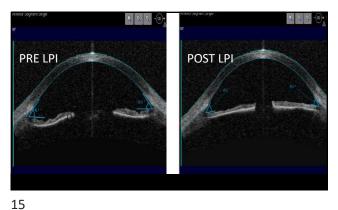
Pigment Dispersion Syndrome/PD-Glaucoma Mechanism of Disease
 Abnormal Irido-zonular/Irido-lens contact
 Iris pigment deposited on Cornea, Lens, AC angle
 Concave Iris approach • Triad Demographics Young glaucoma patient High myopeIOP spike with exercise Elevation in IOP and IOP spikes secondary to pigment occlusion of physiologic outflow.

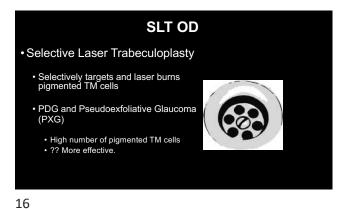
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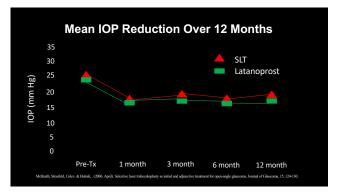
What Is the Risk of Developing Pigmentary Glaucoma From Pigment Dispersion Syndrome? YASMIN SIDDIQUI, MD, RICHARD D. TEN HULZEN, MD, J. DOUGLAS CAMERON, MD, DAVID O. HODGE, MS, AND DOUGLAS H. JOHNSON, MD · CONCLUSION: The risk of developing pigmentary glaucoma from pigment dispersion syndrome was 10% at 5 years and 15% at 15 years. Young, myopic men were most likely to have pigmentary glaucoma. An IOP greater than 21 mm Hg at initial examination was associated with an increased risk of conversion. (Am J Ophthalmol 2003;135:794-799. © 2003 by Elsevier Inc. All rights reserved.)

Treatment A. Refer for Selective Laser Trabeculoplasty (SLT) B. Continue Travatan Z QHS OU C. Refer for Laser Peripheral Iridotomy (LPI) D. Drop holiday/stop medication

12 13



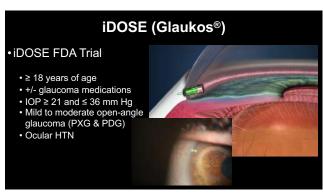




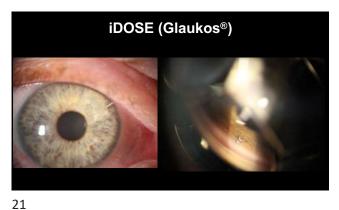
iDOSE OS • iDOSE travoprost implant (Glaukos®) • iDose drug delivery device slowly releases travoprost to increase Uveosceral outflow • Sustained release glaucoma treatment • Reduces non-compliance issues • Spares conjunctiva • Resides in AC angle, anchored behind TM

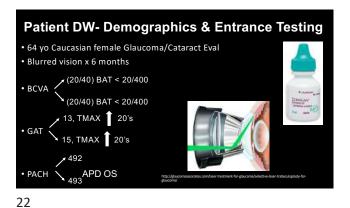
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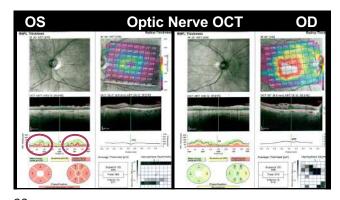
First iDose implant in the U.S. performed by Dr. John Berdahl M.D. in Sioux Falls SD, Vance Thompson Vision on March 29, 2016 GLAUK®S

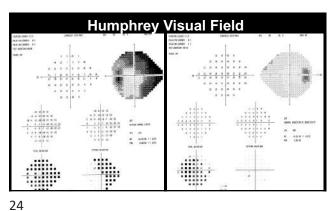


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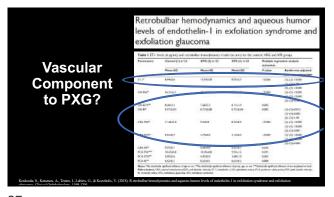


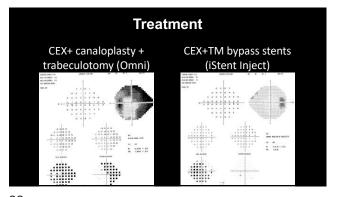




Pseudoexfoliation Syndrome/PXG-Glaucoma Mechanism of Disease Unknown Etiology
 Ocular and Systemic condition
 Excessive gray/white protein fiber-like material
 Iris, lens/zonules, endothelium, ciliary body, Tm Demographics
Increases with age, >50
Caucasian/Scandinaivan patients
Bilateral in time
#1 cause of Secondary Glaucoma
Aggressive Glaucoma Elevation in IOP and IOP spikes secondary to PseudoX mechanical rubbing and deposition in TM.

25 26





Concerns with CEX in PXF patients?

A. Weak zonules

B. IOP spikes

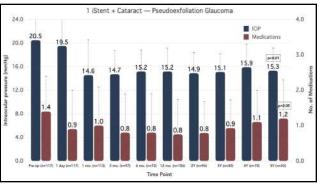
C. Dilate poorly

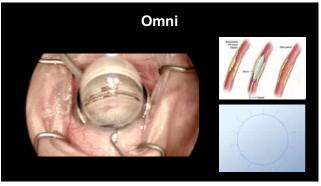
D. All the above

E. I HAVE CONCERNS WITH YOUR WHOLE PLAN!

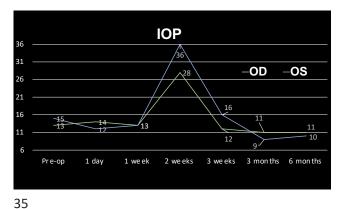


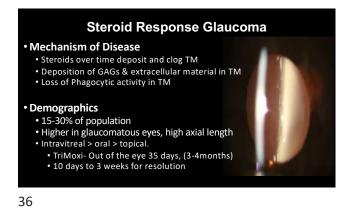
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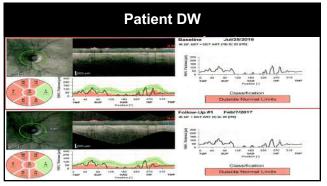


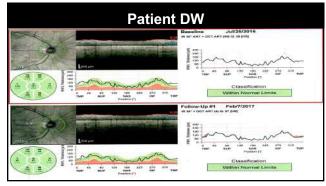


What is the first step in Tx'ing steroid induced glaucoma? A. SLT B. Remove the steroid C. Topical prostaglandin analogues D. Incisional glaucoma surgery

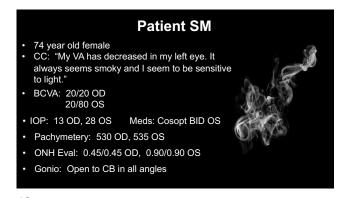


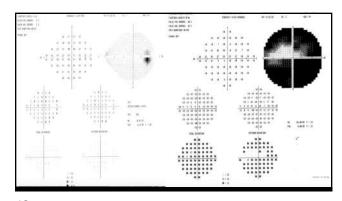
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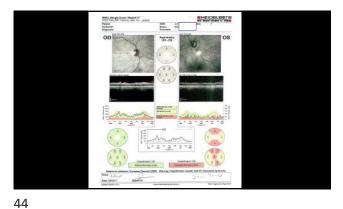


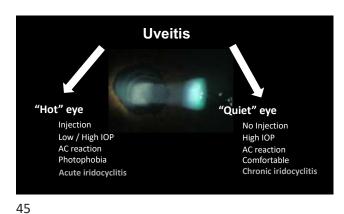


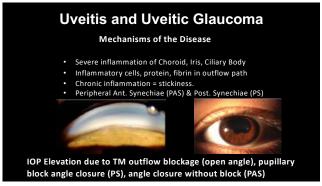
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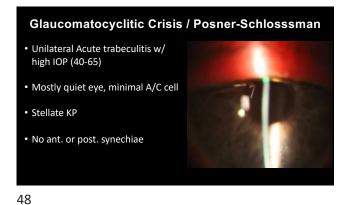












Treatment for Posner-Schlossman

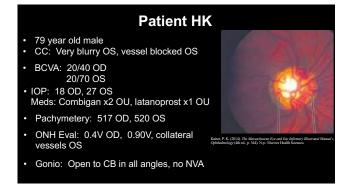
A. Glaucoma drops only

B. Glaucoma drops and steroid

C. Steroid only

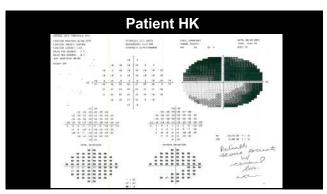
D. Refer for glaucoma surgery

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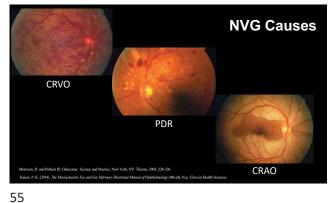
Patient HK OD

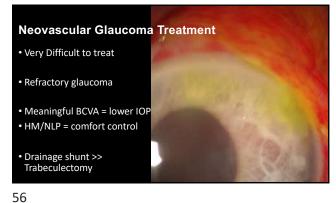
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Neovascular Glaucoma Ischemia - iris, angle, ONH, retina Neovascularization → unhealthy and leaky blood vessels Angle Closure Glaucoma – fibrovascular tissue, neo-vessels, inflammatory cells Acute painful eye, K-edema, IOP>40

53 54





Comparing MIGS procedures vs. Tubes/Trabs TVT → 5 year data Treatment Option Challenges • Incisional Glaucoma Surgery IOP 14.4 12.6 • Risks associated with surgery # of Meds 1.4 1.2 and healing Failure Rate 47% • Failure rates 30% • Costs to patients/system Complications-39% 60% Complicaitons-22% 27% Surgical 29% Reoperation 9%

The Ahmed Versus Baerveldt Study Five-Year Treatment Outcomes MD, James C. Tsai, MD, David Zurakowski, PhD, 2, MD, Juan J. Mura, MD, Louis B. Carstor, MD,

59

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PDG triad Decoding Glaucoma when it's Not Primar Mechanism: posterior bow to iris, Irido-Lens contact PXG- more aggressive glaucoma, prevalent in our area Mechanism: (Systemic) Fibrillar protein deposited in TM, obstructs outflow TX: Remove the abnormal rubbing/touch→ Lens (PXG), Iris bowing (P WILL COWBOYS RELEASE OWENS? Steroid Resp. Glaucoma: Remove the steroid, resolution 10-21 days