

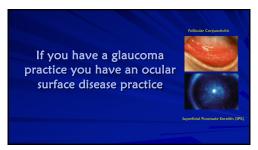
Disclosures- Greg Caldwell, OD, FAAO -- Lectured for: Alcon, B&L, BioTissue, Dompé Advisory Board: Dompé, ImmunoGen, Iveric The content of this activity was prepared independently by me - Dr. Caldwell
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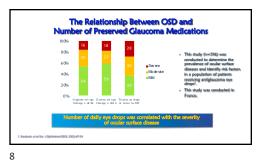
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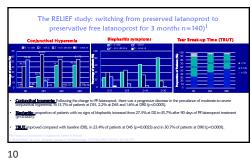


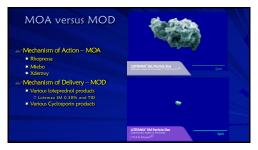




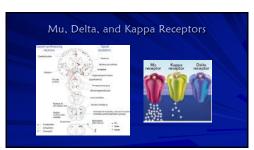






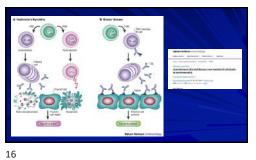




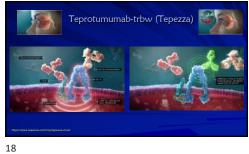








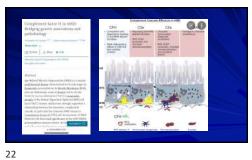










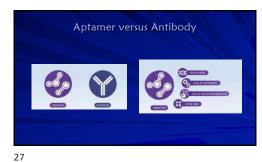






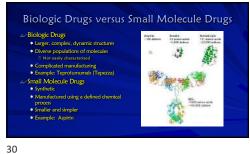


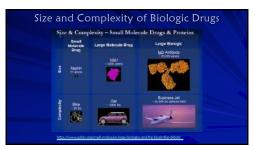


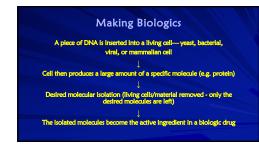












Treatments for Choroidal Neovascularization (CNV) Disorders of the blood vessels in the retina are responsible for some of the most common causes of blindness in the world
Retinopathy of prematurity
Insportent cause of blindness in children in middle-income countries Age-related macular degeneration

A common cause of blindness in the world

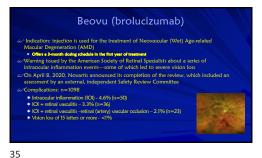
These conditions are caused partly by over-production of a protein called vascular endothelial

These conditions are caused partly by over-production of a protein called vascular endothelial growth factor (VEGF)

VEGF was discovered in the 1980s and is important in the growth and development of blood

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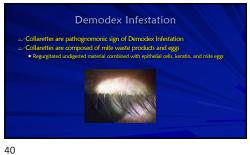


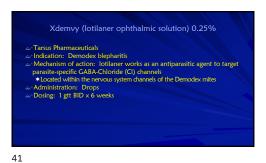








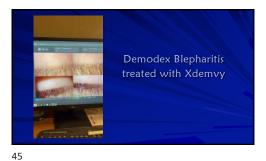












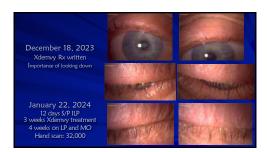














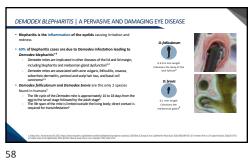


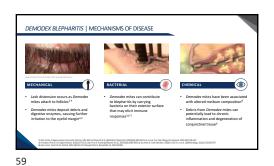
Staff Asks How Is It Going?

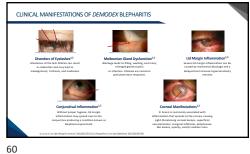


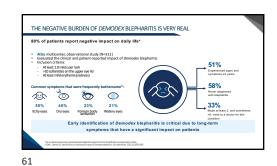


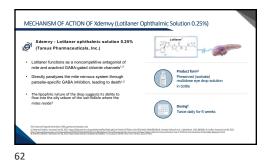






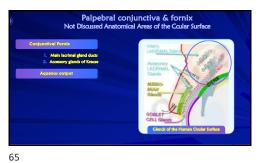


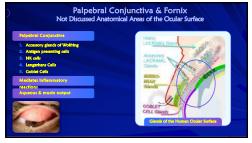


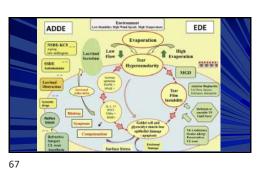


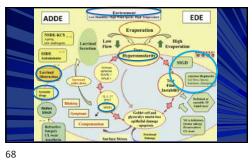






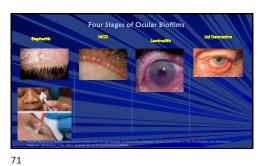


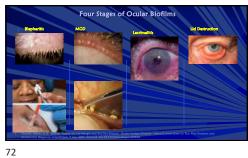


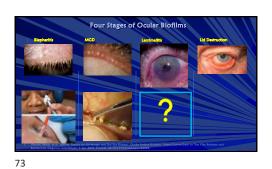


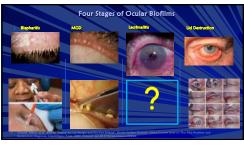




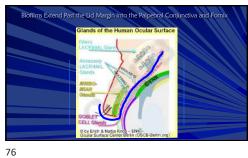


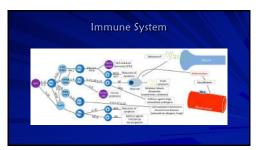








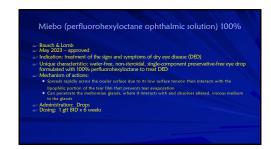




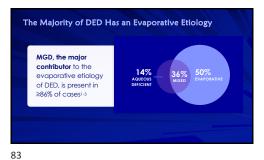




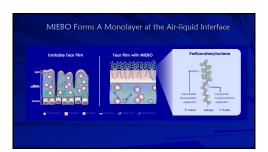


















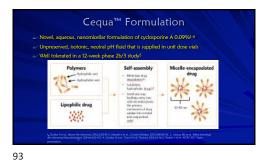
Nanodropper  $\mathop{\cancel{\omega}}$  Current eyedrop bottles dispense about five times the liquid your eye can absorb ar Drainage by the tear ducts where the medication is absorbed into the rest of your body ar Twist the Nanodropper onto a compatible bottle

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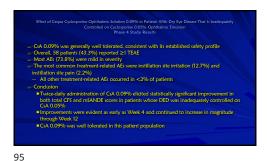


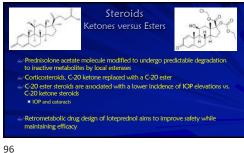










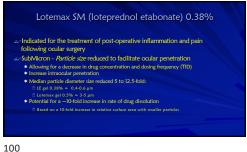






Eysuvis - loteprednol etabonate suspension 0.25% \* Mucus is a barrier for topical ophthalmic drug delivery \* AMPPLIFY utilizes two proprietary attributes

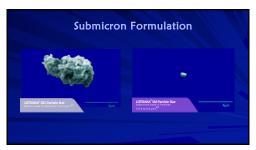
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Lotemax SM (loteprednol etabonate) 0.38% \* Cornea and aqueous humor \* Following single topical ocular instillation of Lotemax SM 0.38% vs Lotemax gel 0.5% in \* Single topical instillation of Lotemax SM 0.38% were greater in the aqueous humor and Concentrations in the conjunctiva remain the highest out of the ocular tissues, with ample 

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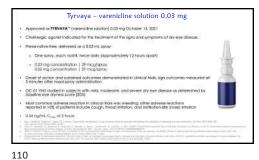




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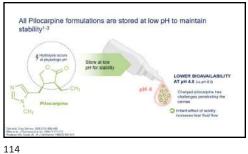


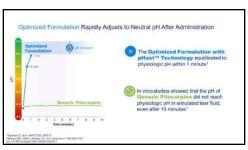


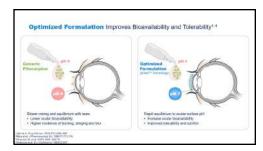


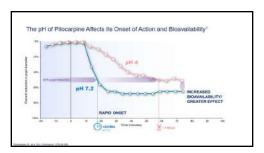


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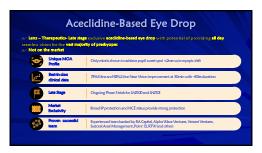


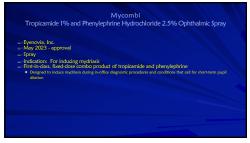


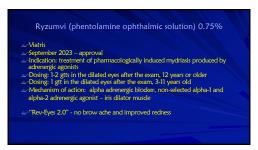


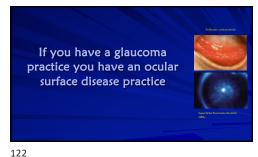






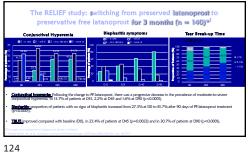






The Relationship Between OSD and Number of Preserved Glaucoma Medications Mil

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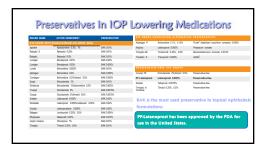
lyuzeh (latanoprost ophthalmic solution) 0.005% Preservative Free December 2022 - approval
 —approval
 —bright interaction of elevated intraocular pressure (IOP) in patients with
 open-angle glaucoma (OAG) and ocular hypertension (OHT)
 First and only dinically proven formulation of preservative-free latanoprost Dosage: single dosage to be placed in the eye(s) once daily in the evening Mechanism of action: prostaglandin F2α analogue

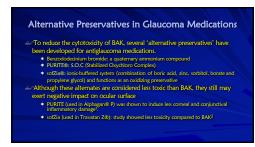
125

lyuzeh (latanoprost ophthalmic solution) 0.005% Preservative Free △Launched in Europe as the first preservative-free latanoprost formulation in Available in 46 countries including Canada ∨PF-Latanoprost formulation approved in the US is the same formulation used in Europe Can be stored at room temperature (15C -25C, or 59F - 77F) 126

Background of Topical Ophthalmic **Preservatives**  Preservatives provide important and necessary antimicrobial activity · Crucial in maintaining sterility and extending the shelf-life of multi-dose formulations of topical ophthalmic medications Preservatives are toxic to the ocular surface, particularly in the setting of chronic, prolonged exposure As in patients with glaucoma who may have therapeutic regimens that involve multiple eye drops and frequent instillation · Of all ophthalmic preservatives, benzalkonium chloride (BAK) is the most used and widely studied demonstrating significant ocular surface toxicity Although several classes of alternative preservatives have been developed. • All have varying degrees of ocular surface toxicity as well as efficacy profiles



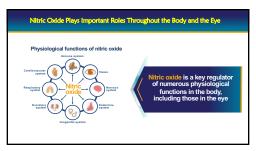


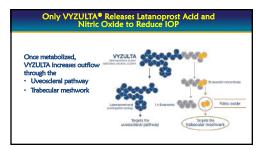


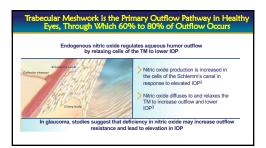
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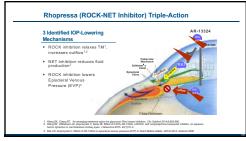


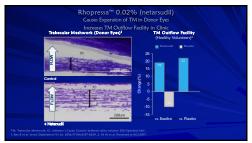


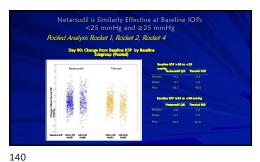










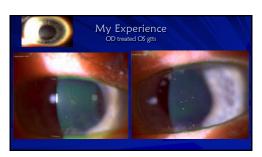


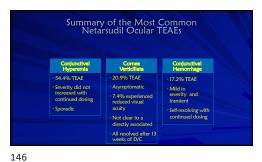


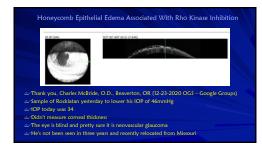






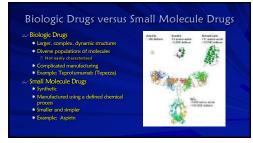














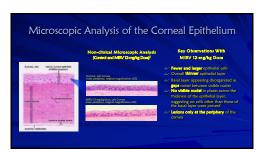








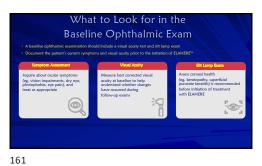


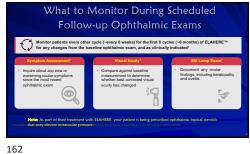


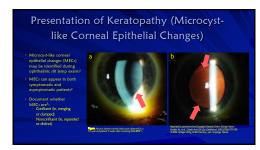


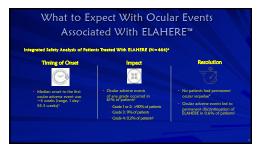










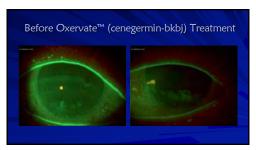


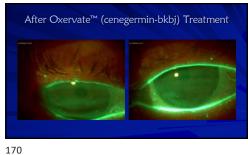


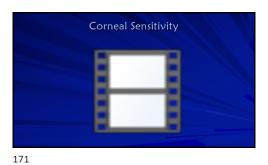


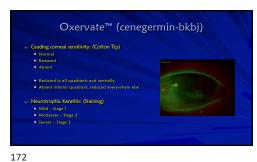


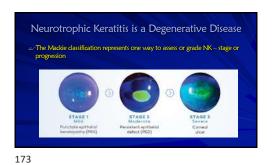


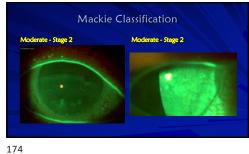


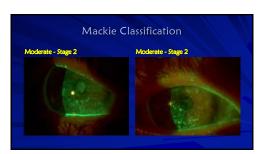


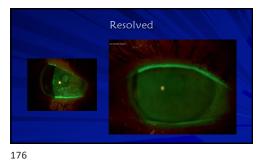


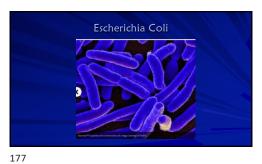


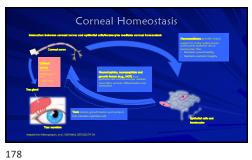




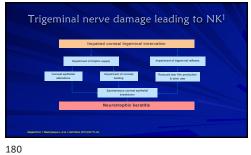


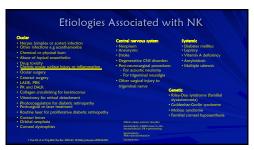




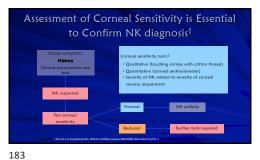








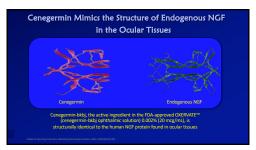


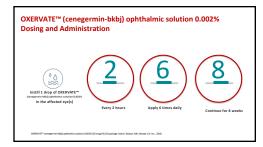






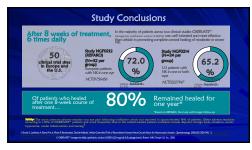






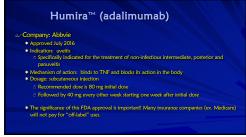


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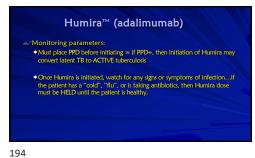


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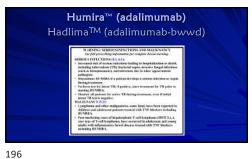




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