

#### **Ocular Disease** Interpretation and Utilization of New and Old Technologies



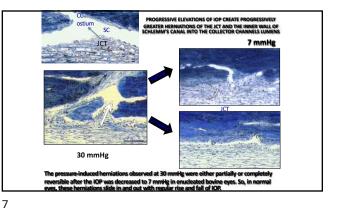


#### Disclosures- Greg Caldwell, OD, FAAO

- The content of this activity was prepared independently by me Dr. Caldwell Lectured for: Alcon, Allergan, Aerie, BioTissue, Kala, Maculogix, Optovue, RVL, Heru
- Disdoure Receive speaker honorariums
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  Have no direct financial or proprietary interest in any companies, products or services
- oned in this presentation isclosure: Non-salaried financial affiliation with Pharma
- Envolve: PA Medical Director, Credential Committee
- Healthcare Registries Chairman of Advisory Council for Diabetes
- Optometric Education Consultants Scottsdale, AZ, Orlando, FL, Mackinac Island, MI, Nashville, TN, and Quebec City, Canada Owner

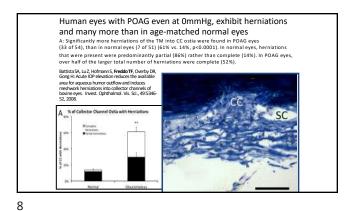
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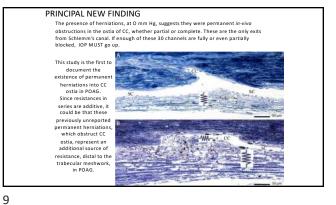


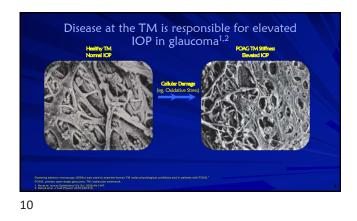


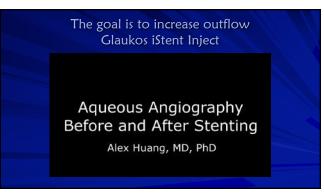


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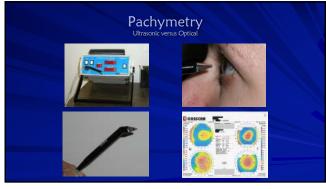




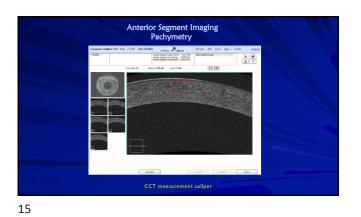


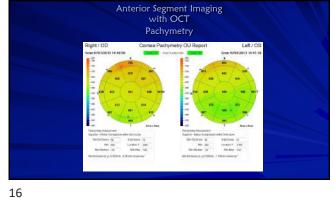
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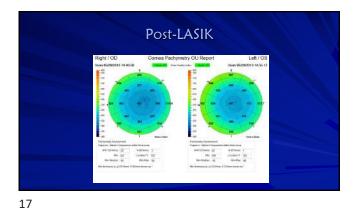




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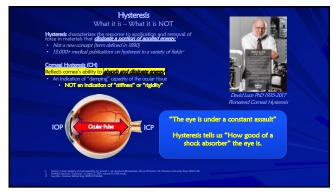




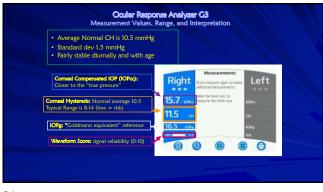




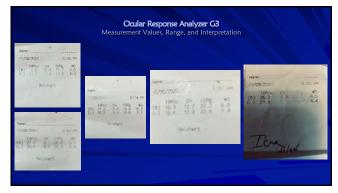
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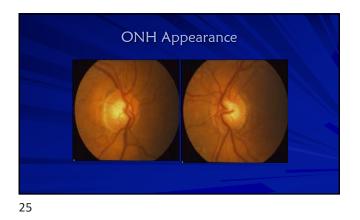




#### 50-year-old woman

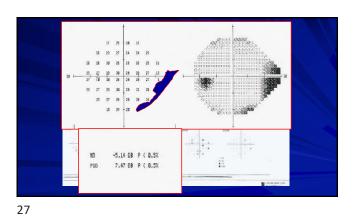
- Ar Diagnosed 18 months ago
- ACurrently is using Travatan qd OU (PM)
- ar VA 20/15 OU
- ↔ Externals: unremarkable
- Ar SLE: slight hyperemia OU
- Ar IOP: 13 OD and 14 OS @ 8:30 AM

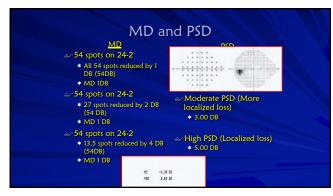
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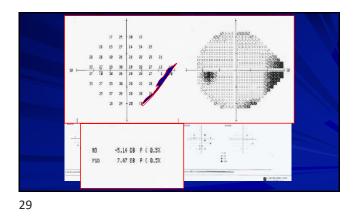
Review of Records
& Diurnal IOP without medication
*OD 16-19 8:00 AM thru 5:30 PM
*OS 17-20 8:00 AM thru 5:30 PM
a-∕ Pachs
*OD 505
*O\$ 505
A∽VF results

26



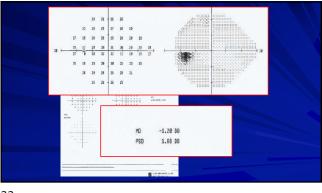




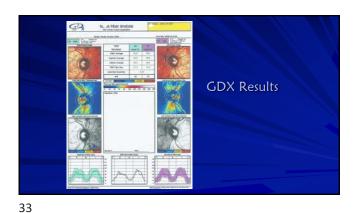






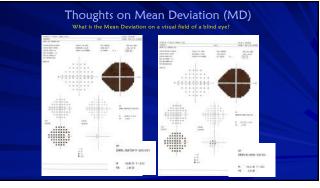


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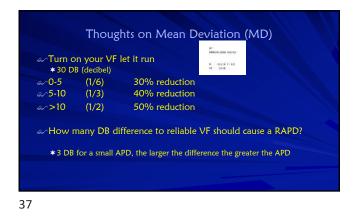


Cranium Keeper Do not back door patients into the ocular hypertension treatment study Via thin pach results A patient needs to be suffering from ocular hypertension to use the study Thin pachs tell us: Patients with ocular hypertension are at high, medium or low risk for development If you have a diagnostic instrument learn how it works and make proper interpretations





36



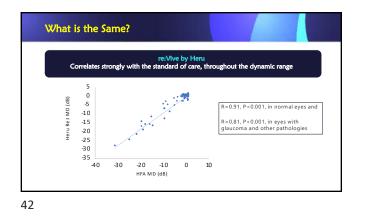


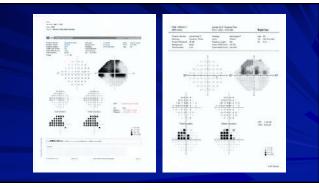
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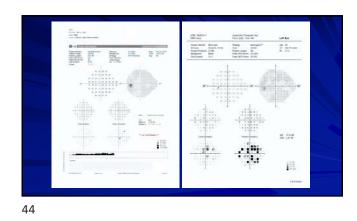


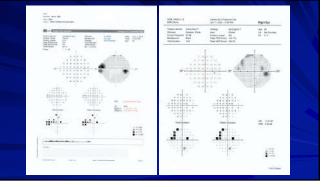
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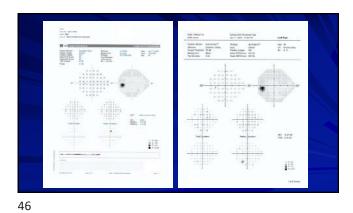


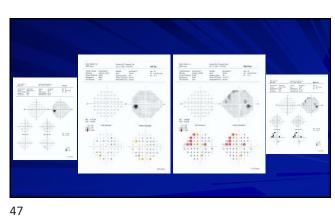






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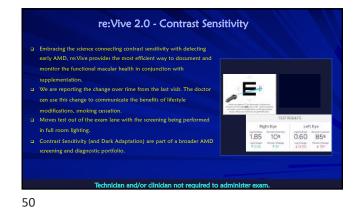


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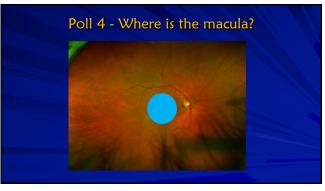


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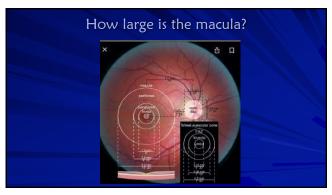


Instruments for AMI	D – fragmented care
ఉ∽Slit lamp/DFE ఙ∕ Camera	
a∽ OCT	
a∽ OCT Angiography	
a√ Dark adaption	
ar PHP	
🛷 Macula pigment eval – Scanner	
a∽ Genetic testing	

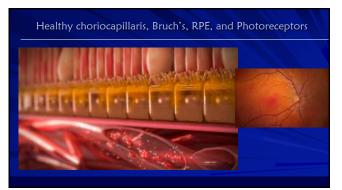
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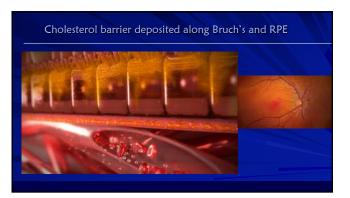
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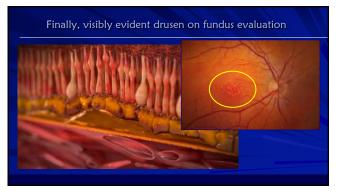
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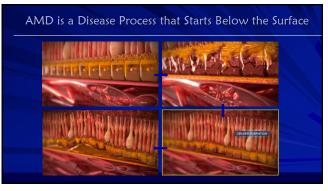
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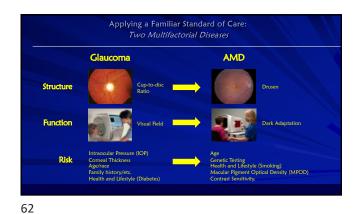


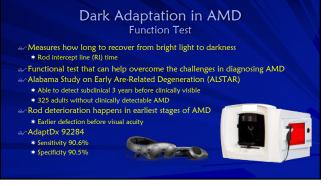
	Beckmann Committee Classification of AMD
	used on presence of lesions within 2 DD of fovea in either eye No AMD
	None or few small drusen, < 63 microns
	No AMD pigmentary abnormalities
*	Early AMD
	□ Medium drusen, > 63 - <125 microns
	No AMD pigmentary changes
*	Intermediate AMD
	□ 1 large drusen, > 125 microns
	Any AMD pigmentary changes
*	Advanced AMD
	□ Any geographic atrophy
	Choroidal neovascularization (CNV)



AMD is a Disease Process that Starts Below the Surface

61





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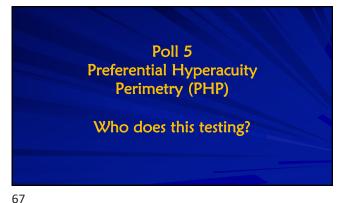


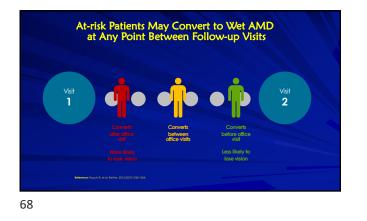
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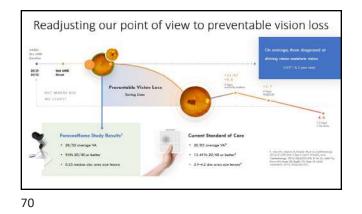






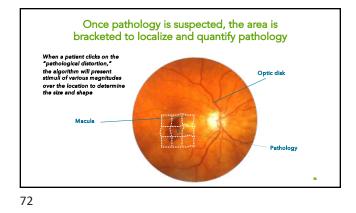


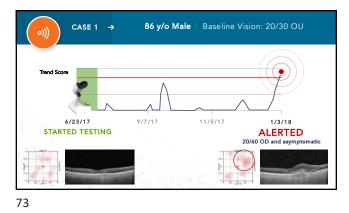


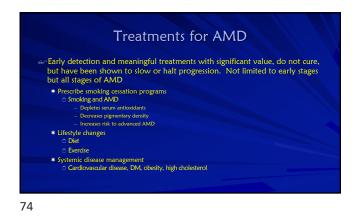


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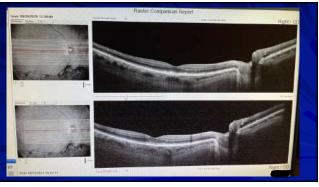




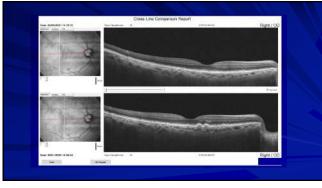


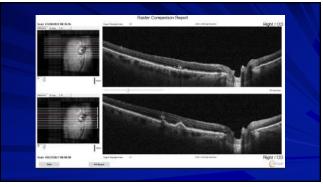


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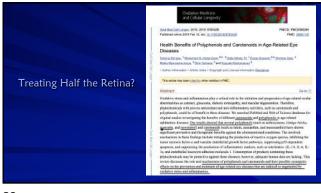




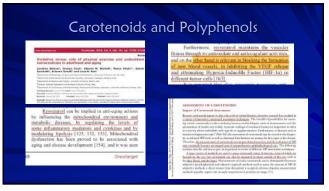




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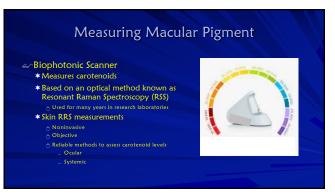
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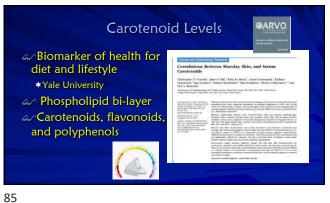


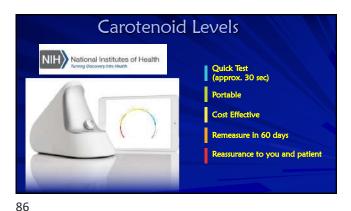
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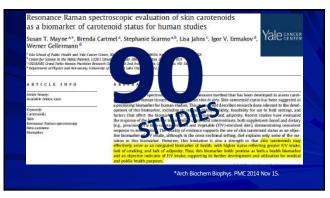
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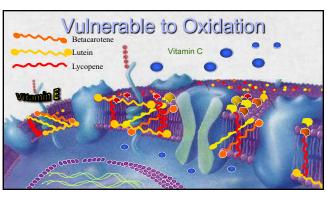
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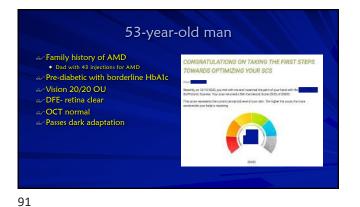
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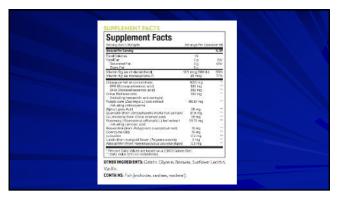
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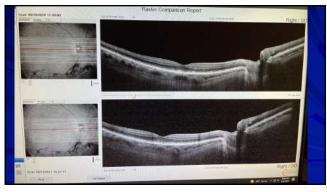
Ingredients			Eakburn (as Colours Celoanate, Di Colours Malate, Eakburn Aacochate)	250 mg	R.
ingreuienta			loctre (or Petonicum Redata)	50 mig	153
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And the second	Amount	Detr	Diric (as Zinc Bisplycinate)		80
and the second sec	1000	Walan	Selon un (ils L. Selonomothonine, God un Selonito)	po mog	輕
Serving Size: TPacket	1	-	Copiper (an Copiper Biophycinate)	0.5 mg.	P
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Blokesitra trisporal and Vitamin A painthate (375 mg) .	ricia RAE	2901	Chromium las Chromium Nicolmine Glycinates	9201000	28
RAC)			Molyladenum (as Molybelenam Disglycinate)	\$75 meg	粐
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Vitamen Dilas Cholecatulieroli	6 mag	294	Catechina (http://Comolice.surectoit.Level.Sietract)	\$45 1716	Ε
	200 k.a		Quercetin	US mu	r
Vitamin E (as D-Alpha-Tocophery/ Acetate, D-Alpha Tocopherol, Tocopherols)	50.3mg	335%	Grape Seed Extract yran, 95% Polyphenols	02.5 mp	E
Vitamin K Inc Produced and	Di0 mito		Citus Bioferenteids (Irem Citus Prots)	12.5 mp/	Æ
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visimai do pa nyridonna riyotoknanda)	5 mg		Sycopone (se Lycopene)	2.5 mg	Ε
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Foule	(200 mog folic acid	329%	Beron (as Boron Gitrato)	1.5 mg	ε
		ł	Votedum (as Vehicly/ Sulfete)	10 micuj	Ε
Vitamin B12 (an Cyanocobelanin)	15 mcg	6255	OTHER MUREDENTS: GREEN MCKENERARY CALLASS, C		
Form as Borlin	75 mcg	250%	Socium, Seekic Acid, Magnesium Seearcha Silicon Double,	Thirdun Di	pale
Pontothenic Acid (es D Coldure Pantotheirete)	15 mg	700%	CONTRACTOR CAL DATA IN ANY CALL OF THE		
Eakbatt (as Coldan Cohenets, Di Coldan Malats, Caldur Ascotats)	250 mg	195	CONTAINS: Fain (Cot, Phylics, Haddocs, Hoke, Cure, Roch	(T) 2000.19	99



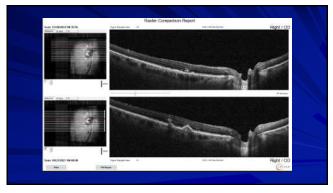
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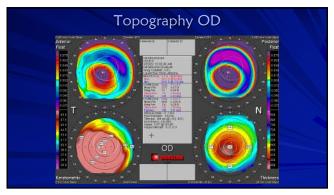
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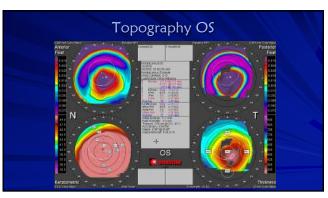
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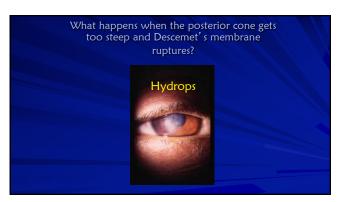




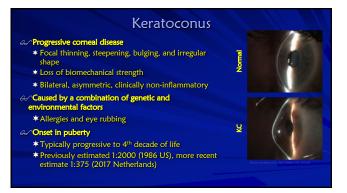
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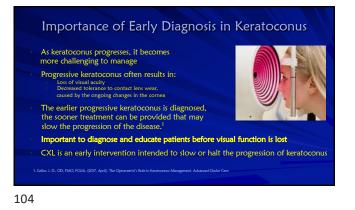


101





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 Watch Out for Kerstoconus
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 Image: Chantial Signs & Symptoms

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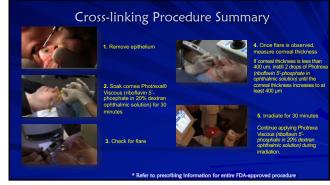
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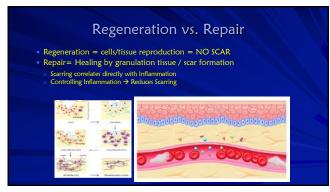
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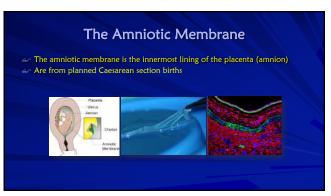


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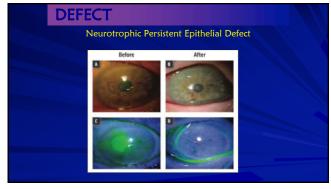
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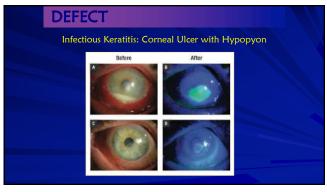




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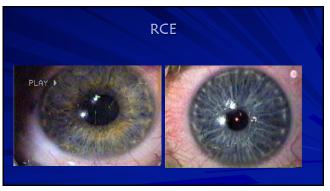
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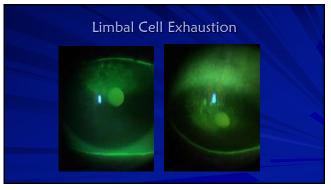
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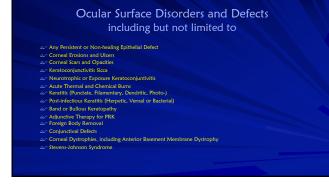
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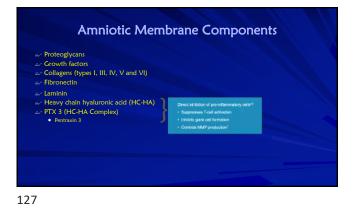
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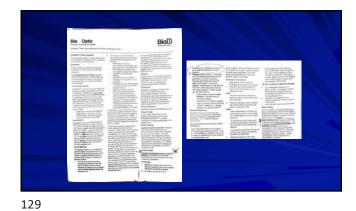
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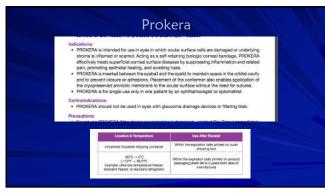








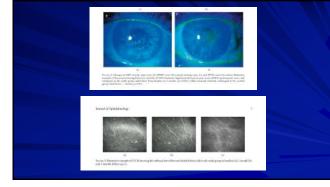




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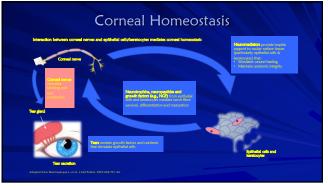


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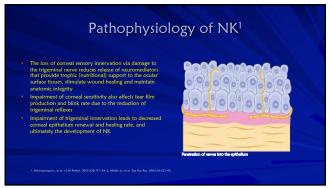
	Oxervate™ (cenegermin-bkbj)
	proved 2018 (August 28, 2018)
a⊳∕Do	ompe farmaceutici SpA
6-^O	ohthalmic solution indicated for the treatment of neurotrophic keratitis
	ssing: Instill 1 drop in affected eye 6 times per day (at 2-hour intervals) for 8 seks
*	Used as eye drop
	Not infused or injected
⊕_^Sto	prage issues: in the freezer at the pharmacy
*	Patient keeps the individual vials in the fridge – once "actively ready" for use, then it is only stable for 12 hours
a₀∕ Co	ontraindications
*	None

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134

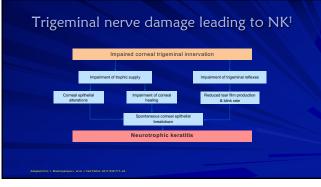




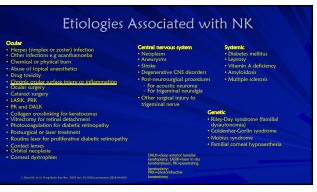


Escherichia Coli

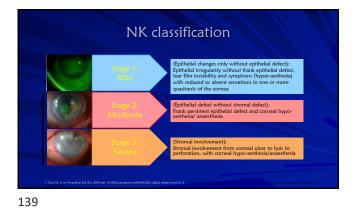
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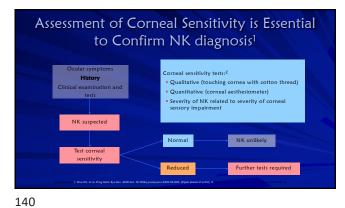








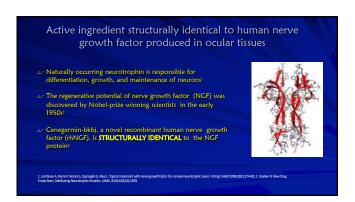




Corneal Sensitivity

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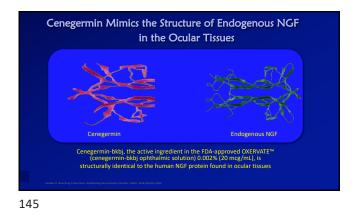


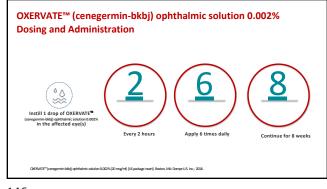




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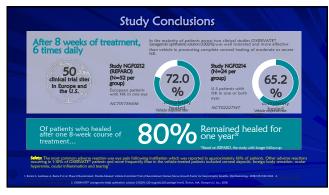




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