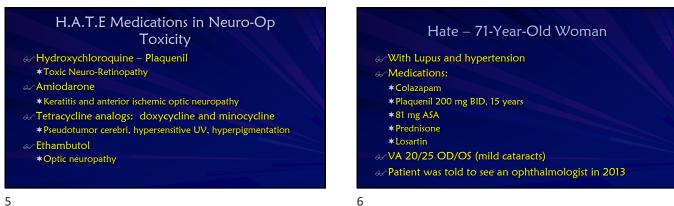


Disclosures- Greg Caldwell, OD, FAAO All relevant relationships have been mitigated

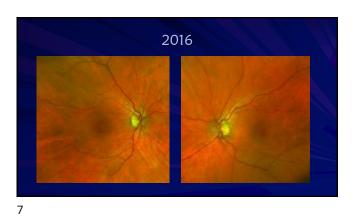
- Lectured for: Alcon, Allergan, Aerie, B&L, BioTissue, Kala, Maculogix, Optovue, RVL, Heru, Santen
- Disc Board: Allergan, Alcon, Dompe, Eyenovia Tarsus, Visus
- Advisory Board: Allergan, Alcon, Dompe, Eyenovia Tarsus, Vsus
 I have no direct financial or proprietary interest in any companies, products or services
 mentioned in this presentation
 Disclosure: Non-slaried financial affliation with Pharmanex
 Envolve: PA Medical Director, Credential Committee
 Healthcare Registries Chairman of Advisory Council for Diabetes and AMD
 The content of this activity was prepared independently by me Dr. Caldwell
 The content and format of this course is presented without commercial bias and does not
 claim superiod. Advisory time of this course is presented without commercial bias and does not
 claim superiod.

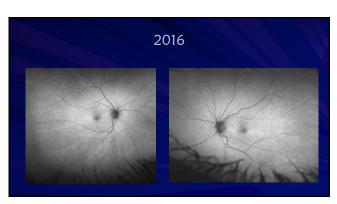
- superiority of any commercial product or service ometric Education Consultants Pittsburgh, PA, Sarasota, FL, Muncie, IN, tsdale/Phoenix, AZ, Orlando, FL, Mackinac Island, MI, Nashville, TN, and Quebec City,
- da Owner

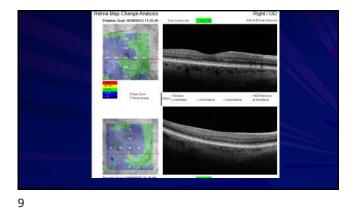


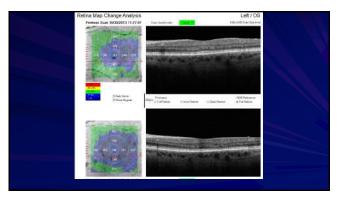
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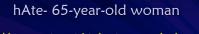






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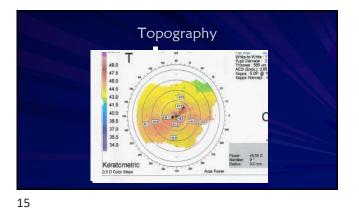
- Areferred by an optometrist due to corneal edema and map-like anterior opacities
- *Impression is EBMD versus corneal degeneration
- Ar Patient reports decreasing vision over past 6-9 months *Especially at near
- AVision 20/50 OU

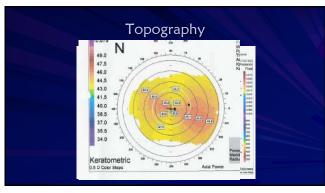
12







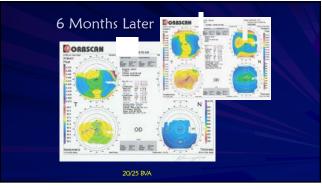




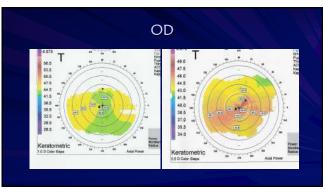
16

er D/C a	Fi miodarone	indings	
🖉 Prima	ry Care Physician	switches patient to diltiazem	
Class	Action	Drugs	
1	Sodium channel blockade	Quinidine, Procainamide, Disopyramide, Lignocaine, Mexiletine, Tocainide, Flecainide, Phenytoin	
11	ß-adrenergic blockade	Propranolol, Acebutolol, Carvedilol, Esmolol	
Ш	Prolong repolarisation	Amiodarone, Bretylium, Sotalol, Difetilide, Azimilide	

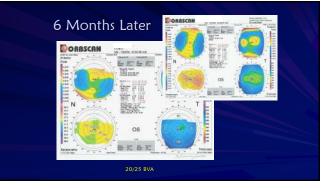
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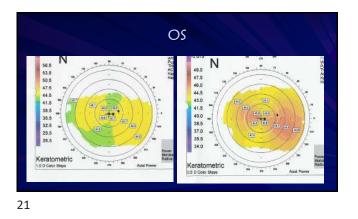
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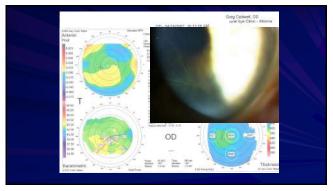




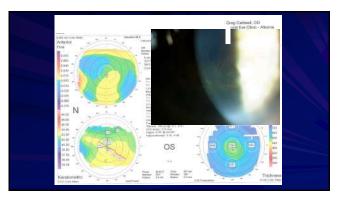




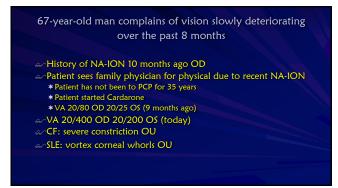
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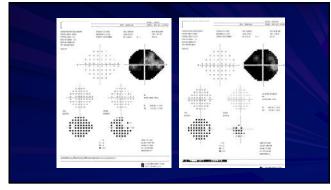
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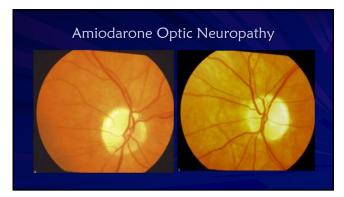




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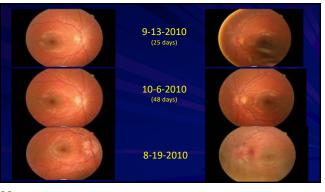


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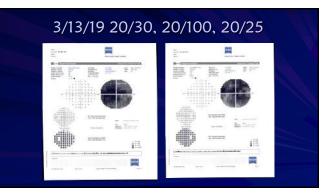
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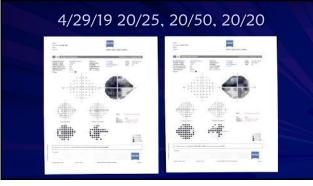


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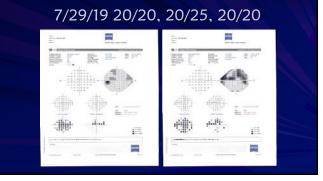


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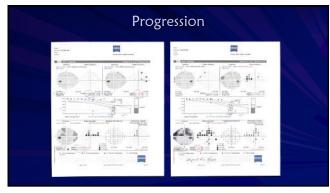








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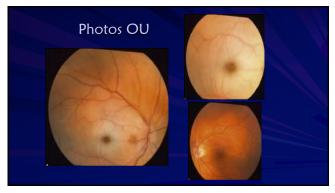


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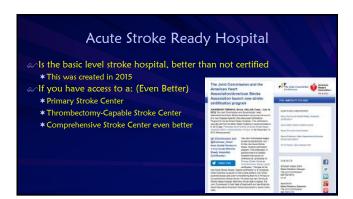
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	CRAO, BRAO, TIA (amaurosis fugax)
	Let Strocke Ready Hospital Selference of a stoke system of an end of the stoke of the system of an end of a stoke system of an end of a stoke system of a stoke
ar Ho * * *	% of stroke or heart attack within 3 years wever of those who experienced CVA or MI 80% were within 2448 hours; those remaining 50% occurred in 2 weeks Majority within the next 90 days t PCP, not retinologist, just the Acute Stroke Ready Hospital!

46



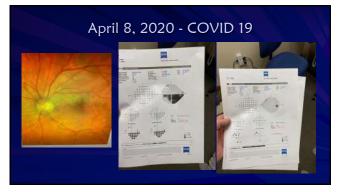
	COUNTY	FACILITY NA	ME	Acute Stroke - Comprehensive Centers or Prints	stroke	Ċ	nx	ZIP	EXCHANGES	i.
CHESTER Phoenicville Hospital		epital	Primary	Stroke Center	Phomias	ville	19465		20211-1	
CHESTER	Paoli Hospital		Primary	Stroke Center	Paoli		19300	7/52	/202118	2001
CLEARFIELD	Party Dightends	Healtheare - Dalleis	Primers	Skolas Center	DaBa	ės –	1,5900	7/5	/201017	2021
CLINTON	Lock Haven Ho	eptia.	Acuts 5	troke - Rendy	Lock Ha	A BUT	17745	10'13	/200011	12020
COLUMBIA	Berwick Hospit	d	Acute Stocke - Ready		Derwick		136903	7/9/2003		1.1
CRAWFORD	Meadville Med	cal Center	Primary Stroke Center		Mandville		16335	3/25/2012		178811
CUMBERLAND	UPMC - Pinnacla Hospitals - Wost Shore Campus		Primary Stroke Center		Mechanisburg		17050	11/8	12011	12210
CEMBERLAND	UPMC Pierada	Carlisle	Printery	Sinoka Cantor	Cartis	la la	13015	-7/25	1/200.05/1	/2010
CUMBERLAND	Grainer Holy	Spirit Hospini	Primary Stroke Center		Camp R21		12011	8/15	13520 19	Vature
DAUPSIIN	UPMC - Pirmacle Hospitals - Community Osteopathic		Prinary Stroke Center		Mannaburg		17100	1.000		/2511
DAUPHIN	UPMC - Pinnacle Rospitala - Harrisburg Carresa		Primary Stoke Cetter		Hamsburg		17105	11.8	202184	/2022
DELAWARE	Main Line Hosp Hearital	ntal - Riddle Mersonial	Printery	Stoke Center	Medk	κ.	19063	84	VIDER	6908) 6401
DELAWARE	Taxlor Hospital	Second strength and	Printers	Stroke Center	Billey P	Yerk.	19078		U20H1/S	
DELAWARE	Courr Chester	Medical Center	Primers	Stroke Center	Uplan	1	19013	11,0	V2021127	/3020
DELAWARE	Delevero Cost	tr Memorial Hospital	Prinary	Stroke Centur	Dreagl i	541	19028	7/4	/2020	20(1)
ERIE	Millereck Corrs	menity Hospital		Stroke Center	Eriz	2	16509	1.8	1280115	
ERIE				Comprehensive Streke Center		Int		2/11	/3001 24	/2020
FRANKLIN			Primary Stoke Centur		Waynesbero		17268	9/37	/202115	(202.)
FRANKLIN	LIN Wellspan Churthersburg Hospital		Primary Stoke Centor		Chamborshare,		17200		/2021	2001
INDIANA			Primary Stoke Centur		- Indiana		15700	7/7	/2020	2011
LACKAWANNA	Regional Haspi			Stroke Craser	Scrietz	100	18510	5/7	/2020 21	12022
		manity Medical Certer	Primary	Struke Center	Scrietz	Del .	18510	5/38	V2021	25.0.14
	Moses Taylor H			Stroke Center	Servers	261	18510	1 11/8	V2021Lac	10.004
LANCASTER	Lancester Gener			Stoke Centor	Lances		17604	3/16	3601	/2110
LANCASTER		rats Commanity		Stoke Cetter	Eptra	E)	12522	9/12	/203.1	
LANCASTER	UPMC Litia		Primary	Stroke Center	Litie	Litie		8/18	/2010	
LEBANON	Gred Saniaritan	Heispital, The	Printers	Stoke Center	Lobeite	00	12042		12030	
LEHKIH	St. Luker's Host	etal - Beiblehem	Correnctaria	ive Stroke Center	Bethlefs	612	18015	8/28	42620	

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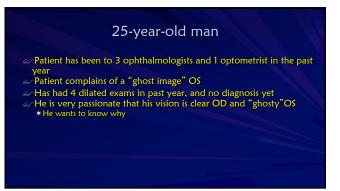


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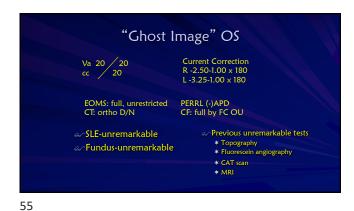


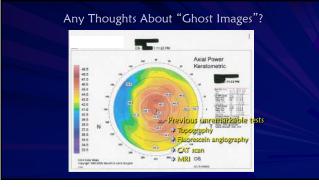
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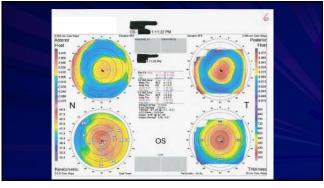




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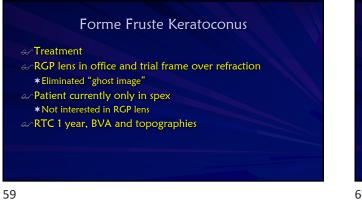








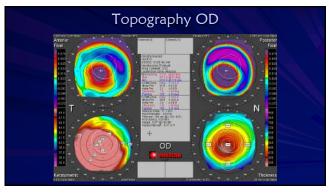
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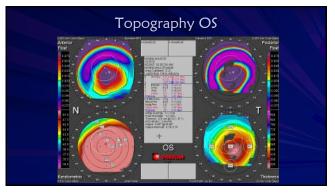




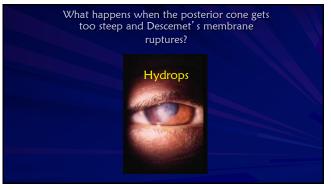
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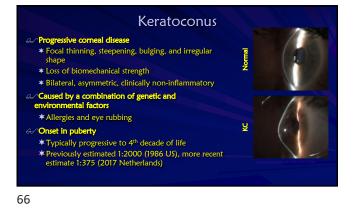
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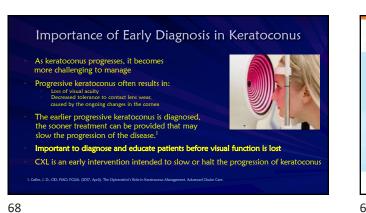


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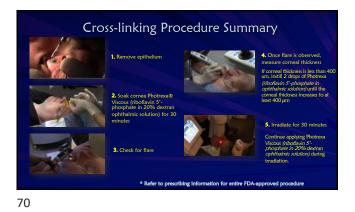




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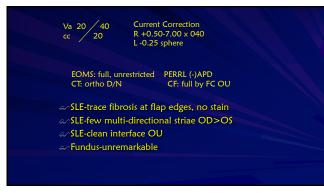


71





73









43-year-old man

- Ar∕Called your office today
- & Eye pain in the right eye since this morning
- ar OD 20/80 OS 20/20
- ← Externals: normal
- Ar Review of Systems: unremarkable

77



78



79



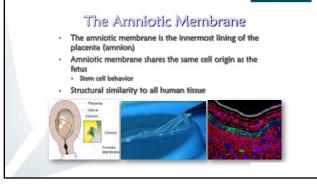
Review of Map-Dot-Fingerprint

81





83



84





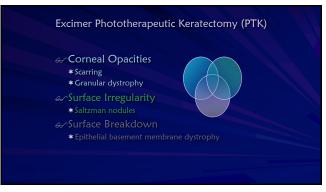


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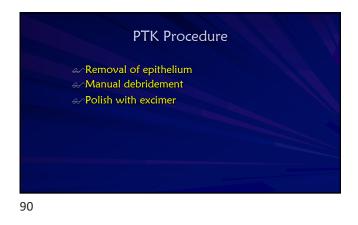
PROKERA®: BIOLOGIC CORNEAL BANDAGE

- PROKERA® utilizes the proprietary CryoTek^w cryopreservation process that maintains the active extracellular matrix of the amniotic membrane which uniquely allows for regenerative healing.
- PROKERA® is the only FDA-cleared therapeutic device that both reduces inflammation and promotes scar less healing
- PROKERA* can be used for a wide number of ocular surface diseases with severity ranging from mild, moderate, to severe





89





91



92









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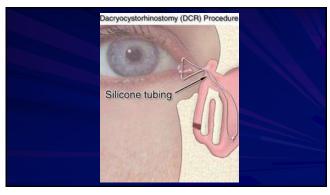




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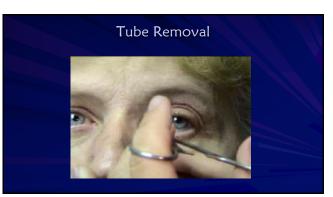
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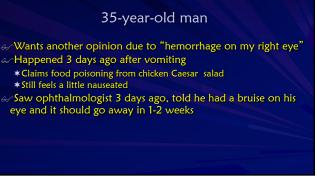


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Sunday, March 5, 2023

Grand Rounds Improving Eye Care and Outcomes for Patients

Differential Diagnosis

- Ar Hypertensive retinopathy
- ← Blood dyscrasia
- ArTerson's syndrome
- & Valsalva retinopathy
- & Purtscher's retinopathy
- as Shaken baby syndrome

106

Terson's Syndrome

- ✓ Terson's syndrome originally was defined by the occurrence of vitreous hemorrhage in association with subarachnoid hemorrhage ✓ Terson's syndrome now encompasses any intraocular hemorrhage associated with intracranial hemorrhage and elevated intracranial
- pressures
- Antraocular hemorrhage includes the development of subretinal, retinal, sub-hyaloidal, or vitreal blood The classic presentation is in the sub-hyaloidal space

107



108



109

8-year-old girl

- Mom noticed the left eyelid has become red and has pimples
- Ard Started two days ago
- ar Slowly getting more pimples on the eyelid
- Gerta Globe not affected

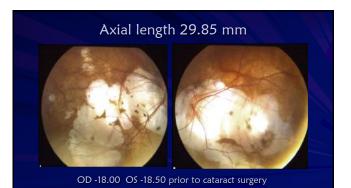
110



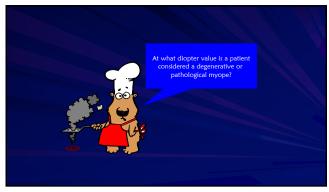
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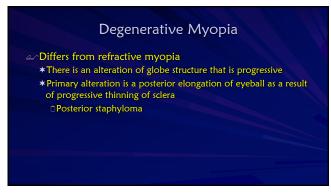




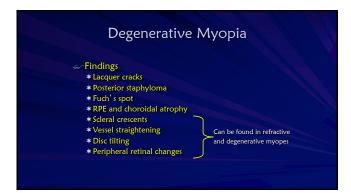
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115







Sunday, March 5, 2023

Grand Rounds Improving Eye Care and Outcomes for Patients

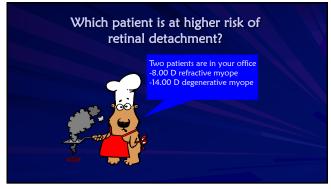
Conditions Associated With Degenerative Myopia

- Arretal Alcohol Syndrome
- &∕ Ocular albinism
- ar Down's Syndrome
- Ar Low birth weight
- &∽Infantile glaucoma
- Arr Retinopathy of Prematurity
- ← Marfan's Syndrome

Treatment

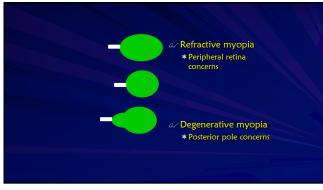
- ↔BVA with glasses/contact lenses
- $\operatorname{{\scriptstyle Ger}}\nolimits$ Education regarding trauma and possible eye hazards
- ArMonitor for neovascularization and peripheral retinal changes
- & Follow-up at least yearly

119

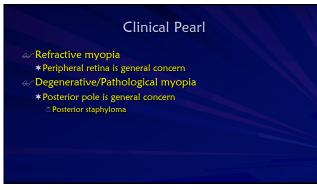


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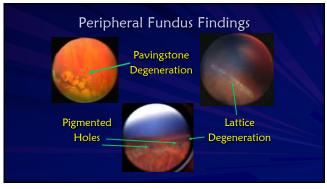
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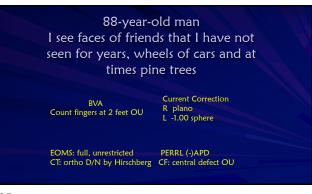


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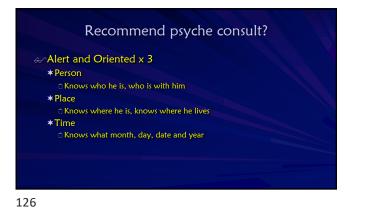


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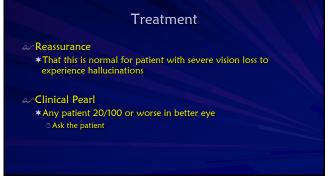




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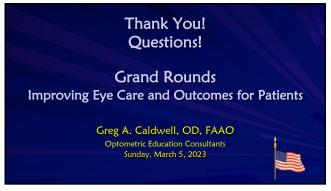




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