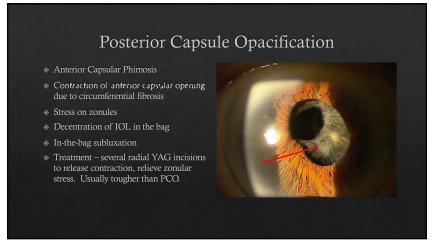
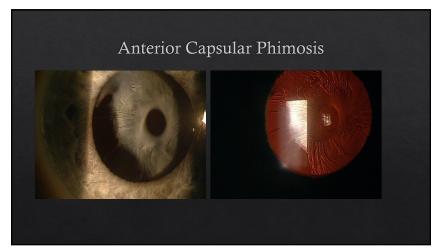
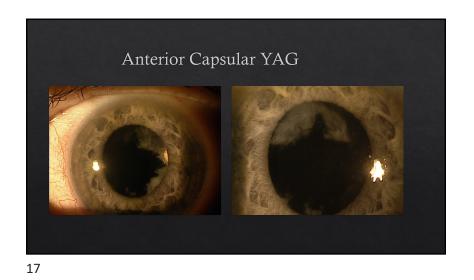


Posterior Capsule Opacification \diamond Elevated IOP – 2-3 hrs after, greater risk if vitreous prolapse, IOL in sulcus, glaucoma trauma, vitreous prolapse ♦ IOL damage – pits ♦ Hyphema

14





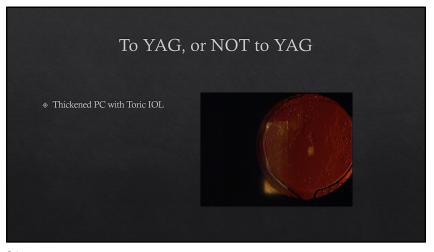


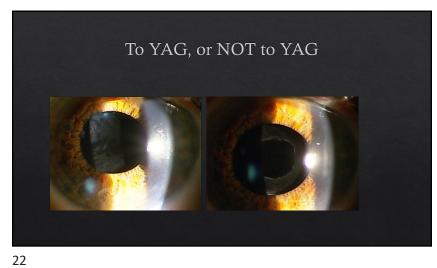


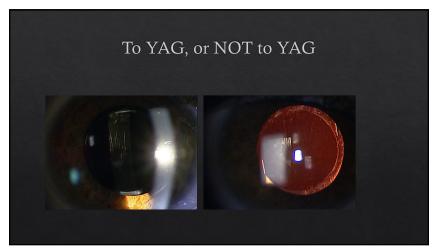
To YAG, or NOT to YAG



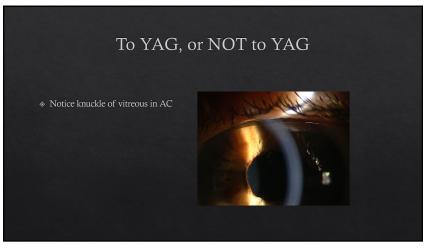
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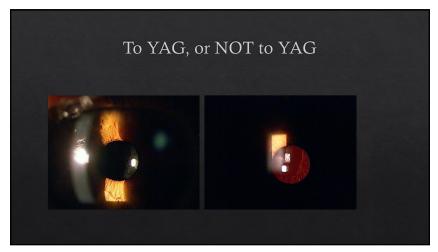








25 26



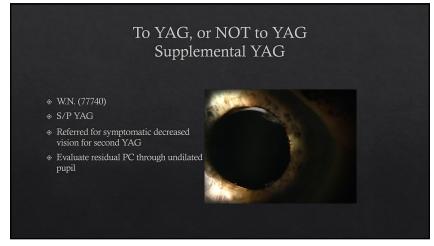


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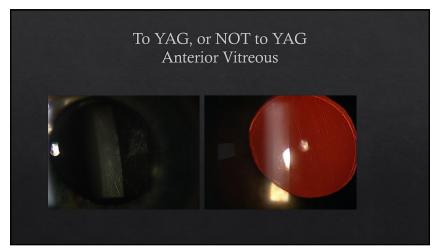




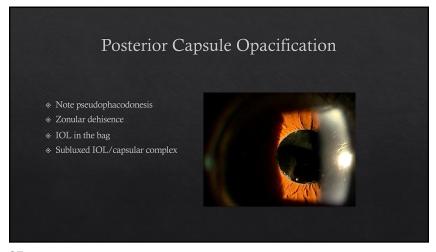
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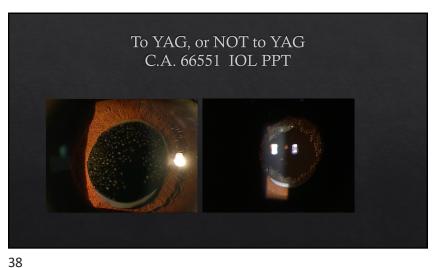










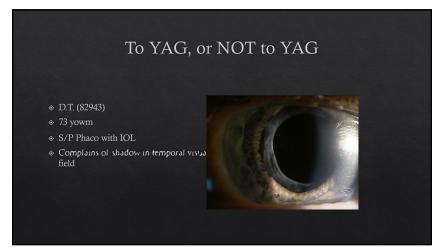


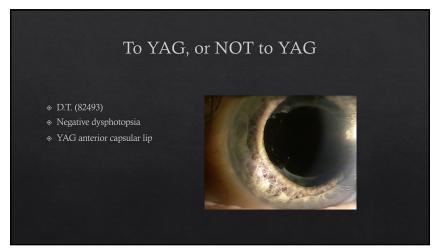


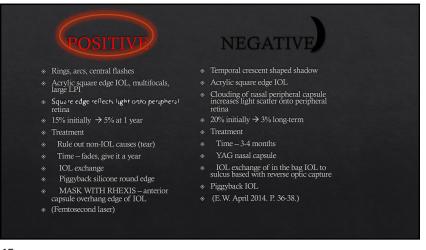


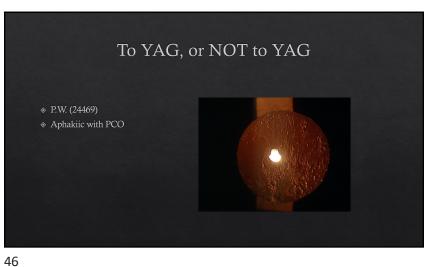


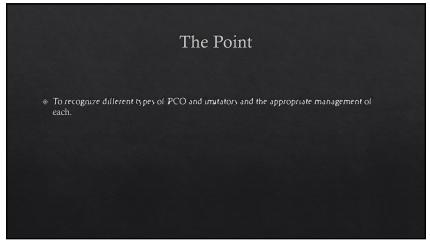












The case of PCO that couldn't be YAGed

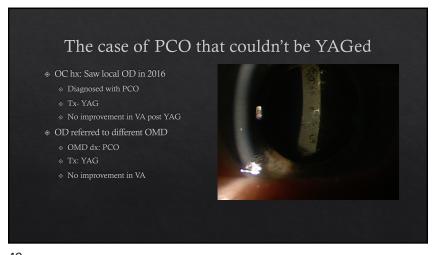
S.B (81952) 78 yowf

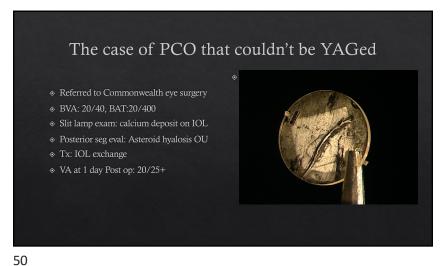
s/p CE OU 2005 elsewhere

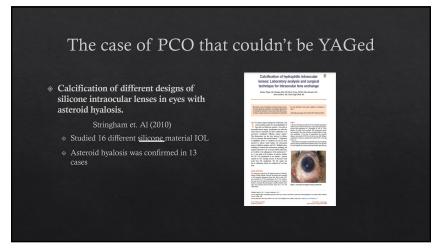
CC: decreased vision OS

Surgeon told her eye was okay but kept running "tests"

47

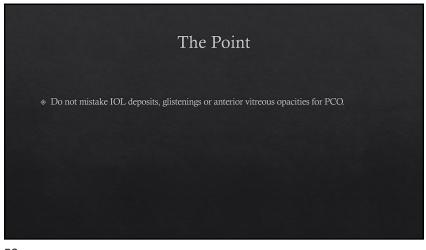








51 52



The case with fluid behind the PCIOL

R.B (67924) 62 yo WM

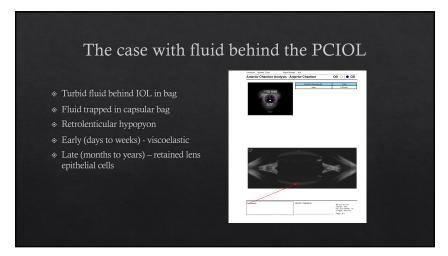
s/p CE 2010 elsewhere
CC: decreased vision OS

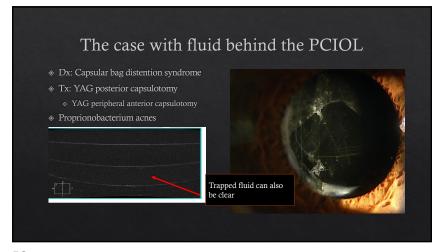
BVA: 20/30; BAT: 20/400

Slit lamp exam showed a well healed pseuodphakic anterior chamber

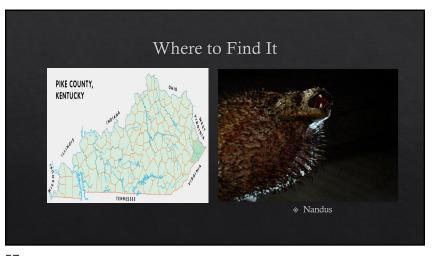
Thick white fluid behind the IOL

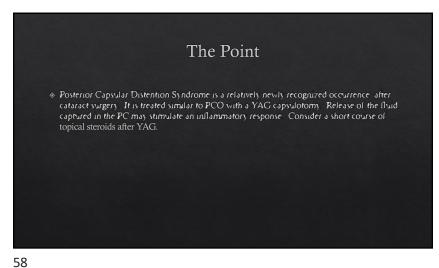
53 54

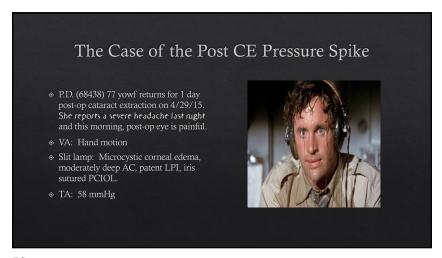


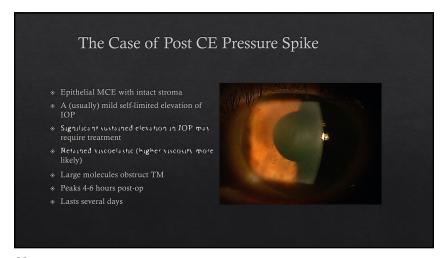


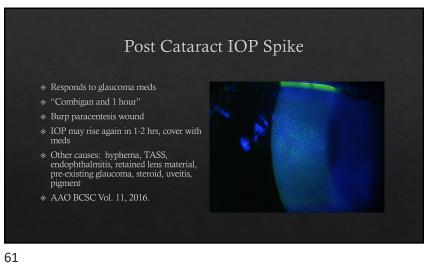
55 56





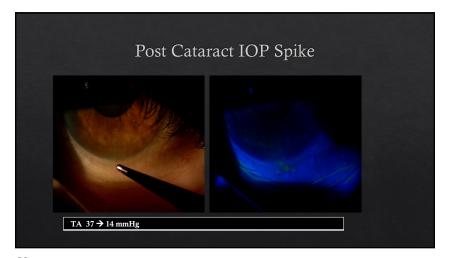


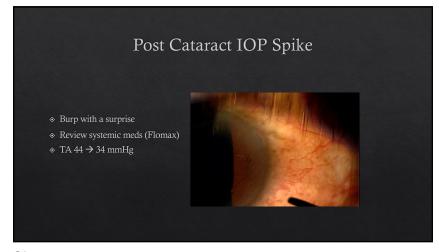




Post Cataract IOP Spike ♦ Burp paracentesis wound with punctal dilator (tapered rounded tip) ♦ Located at 2:00 from main incision ♦ Visualize aqueous egress ♦ Repeat until IOP acceptable ♦ Recheck IOP 30 -60 min later \diamond (TA 50 \rightarrow 19 mmHg)

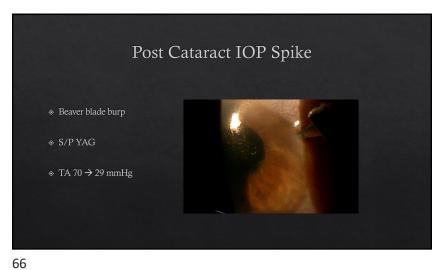
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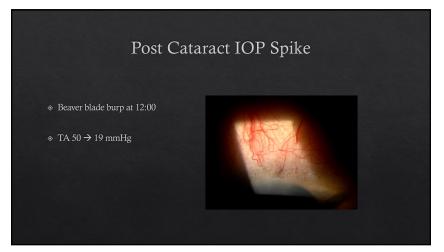




64 63



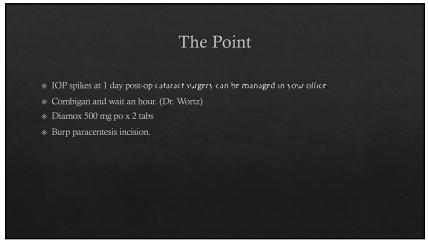












The Case of the Aphakic Young Man

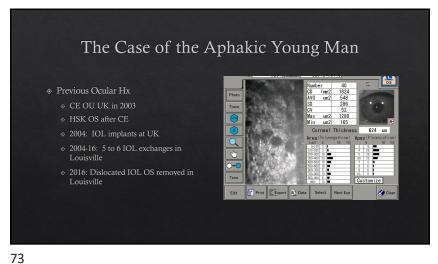
D.K. (92642) 21 y.o. WM

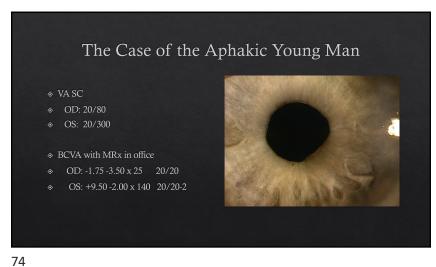
CC: Blurry vision OS > OD. Double vision when wearing glasses so he does not use them. Consult regarding ways to improve vision.

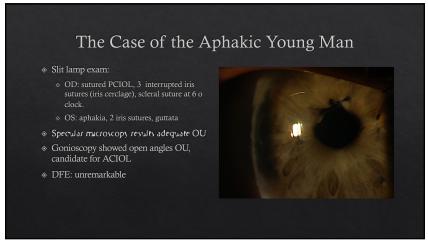
Med Hx: Marfan's Syndrome

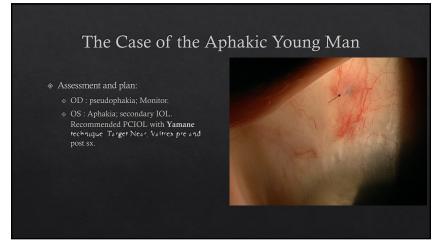
Fam Hx: Grandmother with ARMD

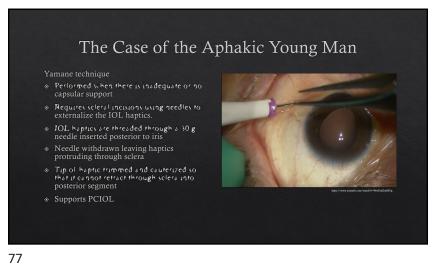
71 72

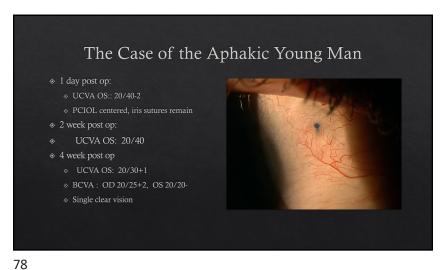




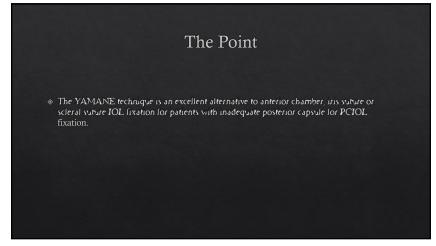


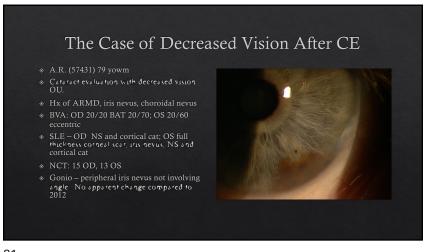




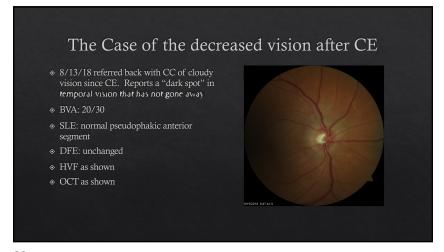


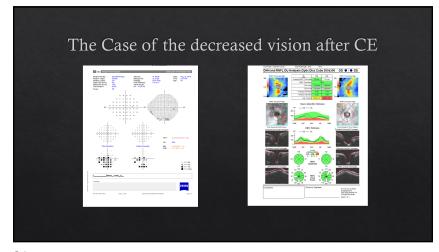


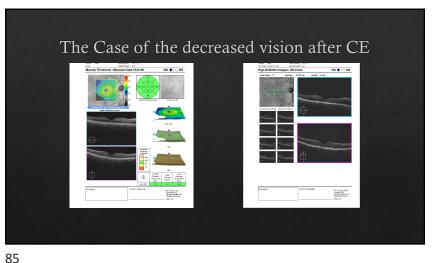


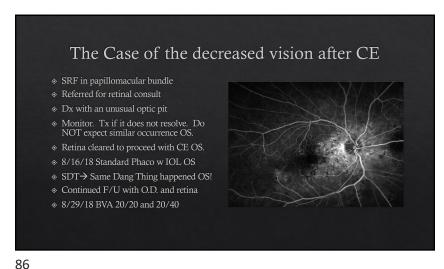


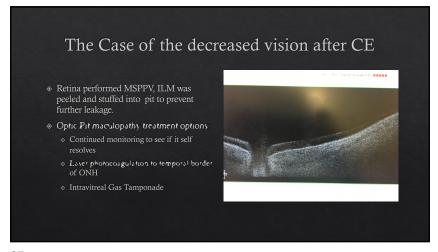


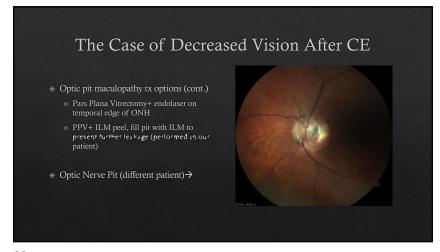


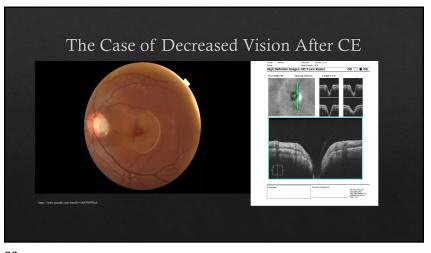




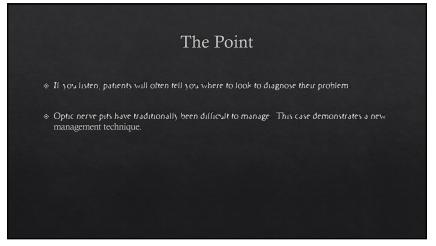












The Case of Dim Vision After CE

J.H. (40228) 74 yowf

Decreased vision OD>OS. Hx of LPI OU.

Plaquenil 200 mg p.o. b.i.d.

BVA: OD 20/20 BAT 20/80; OS 20/30
BAT 20/100

SLE: Patent LPI OU. 2+ NS OU.

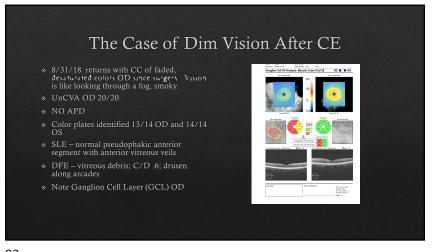
NCT: OD 11; OS 9

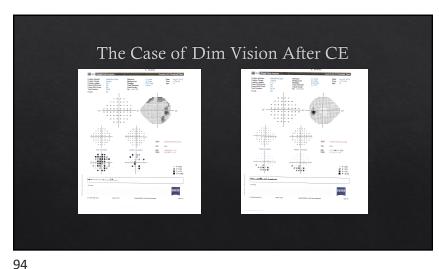
DFE: C/D .5 OU; macula appears normal OU

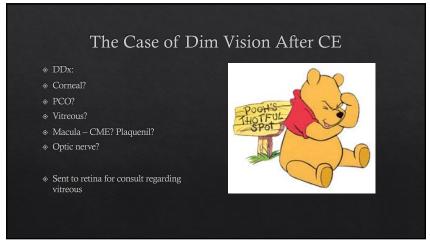
OCT shows symmetric normal range NFL OU but reduced OD.

Catalys Phaco w IOL OD 8/27/18

91 92







The Case of Dim Vision After CE

* Retinal consult confurmed OCT findings of mildly reduced NFL OD

* Dx: Optic Neuropathy

* MRI ordered to rule out demyelinating disease and optic nerve compressive lesion

* 24 mm aneury sm of ICA compressing the optic chiasm

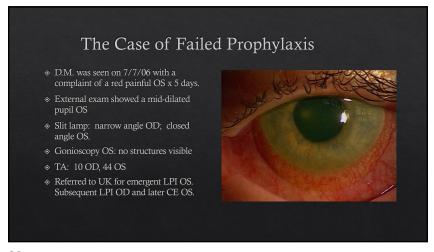
95



The Point

Post-op cataract patients almost without exception remark about increased brightness and more vibrant colors. If they report the opposite there is trouble somewhere. Investigate and involve subspecialists if necessary.

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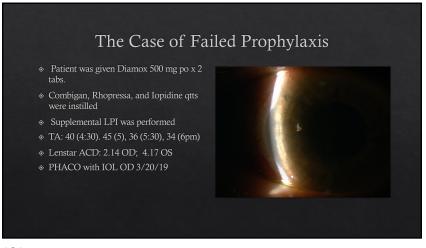
The Case of Failed Prophylaxis

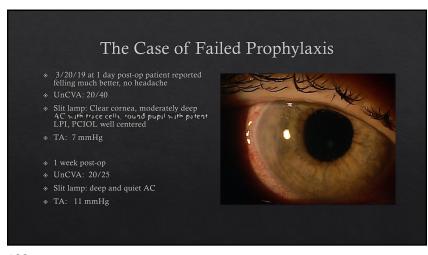
On 3/19/19 DM had a routine eye exam with dilation resulting in acute angle closure OD. She presented with a red painful OD and nausea.

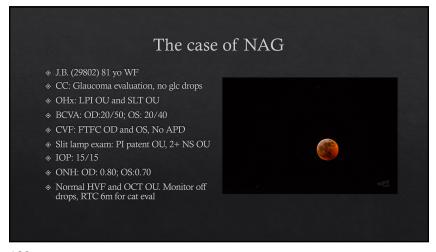
UnCVA: OD 3/200; OS 20/40
Slit Lamp: MCE, angle closure, LPI @ 10, mid-dilated pupil, 2+ NS.
Gonioscopy: No structures visible OD; OS showed TM with some PAS inferior, SS other quadrants.

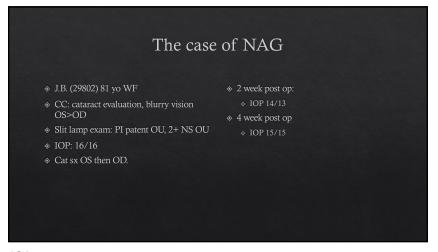
TA: 55 OD; 11 OS

99

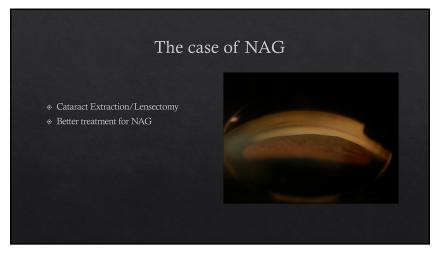


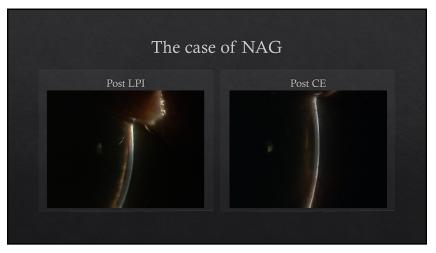




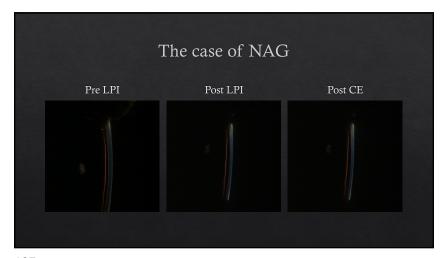


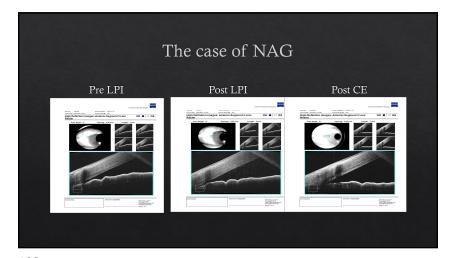
103



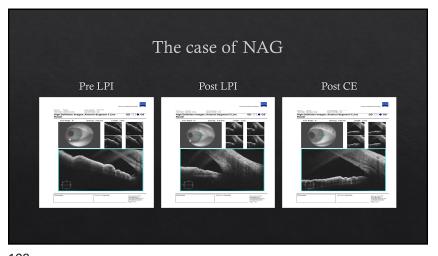


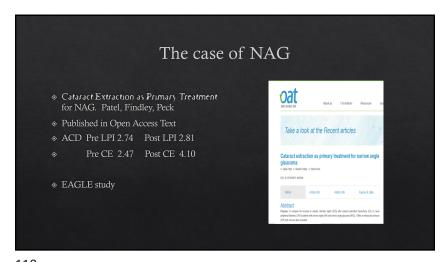
105





107 108







The Point

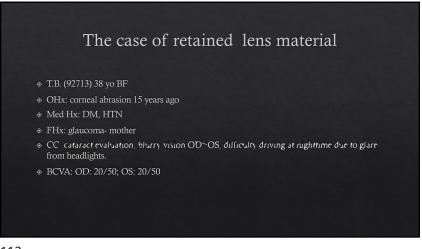
There is a paradigm shift in treatment of Narrow Angles and Narrow Angle Glaucoma

The traditional LPI may protect the angle for the short term but does nothing to deepen the anterior camber or protect the angle from phacomorphic angle closure. It is not effective for plateau iris.

Cataract Lens extraction significantly deepens the AC opening the angle and preventing future phacomorphic angle closure. It also is carative for plateau iris.

Cataract extraction Lensectomy should be considered as first line treatment for patients with NA/NAG.

111 112



The case of retained lens material

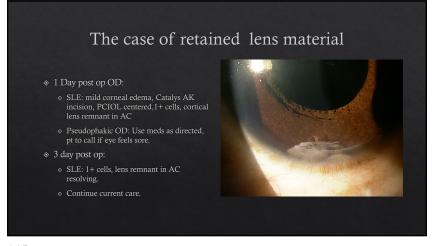
SLE: OD: cortical, 2+PSC; OS: cortical cataract

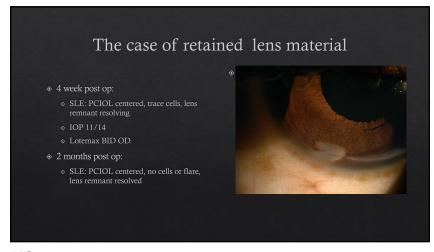
IOP: 15/15

DFE: OD: 0.40, scattered CWS; OS:0.40, scattered CWS

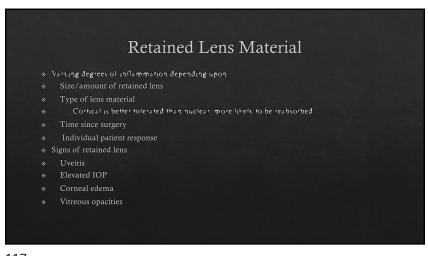
Plan: cat sx OU, target near OU, DM with moderate non proliferative retinopathy-refer to retina.

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115



Retained Lens Material

Treatment

Doesn't necessarily require surgical intervention

Medical > Uveitis - steroid and NSAIDs

IOP - hypotensive gits., oral CAIs

AC Washout > large or visually significant amount of lens material

increased inflammation not controlled on steroids, NSAIDs

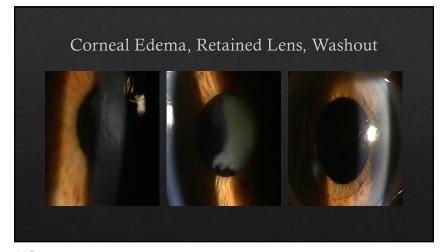
Increased IOP unresponsive to meds

corneal edema

If in vitreous > send to retinal specialist

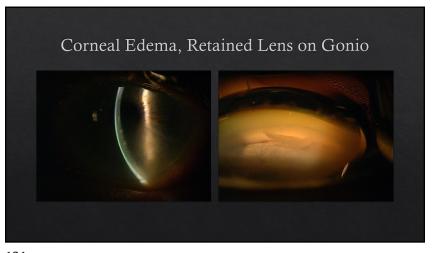
(BCSC 2016-17, AAO, ppg. 140-143.)

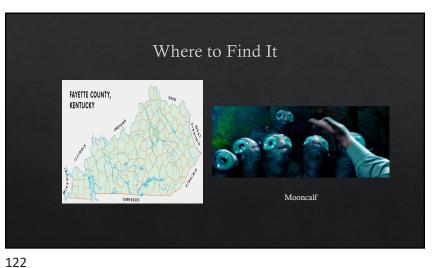
117 118





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The Point

A little retained lens material may be monitored and resolve on its own with or without topical steroid.

A lot of retained lens material may require anterior chamber washout.

Retained nucleus is worse than cortex.

In patients with persistent corneal edema and or inflammation post-op CE → look for retained lens material. May require gonioscopy.

The case of misdirected aqueous

I.F.(92546) 70 yo WF

Med Hx: DM, HTN, COPD

CC: cataract evaluation, blurry vision OU

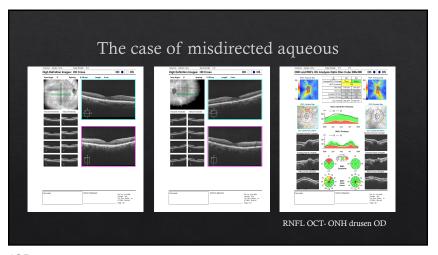
BCVA: OD: 20/30 BAT: 20/60; OS: 20/40 BAT: 20/100

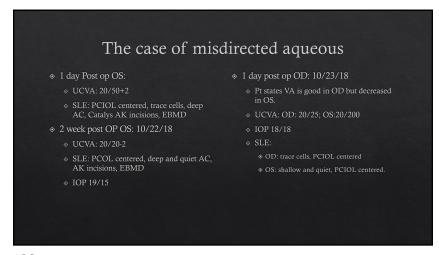
SLE OD 2+ NS, cortical, OS EBMD, 2+NS, cortical

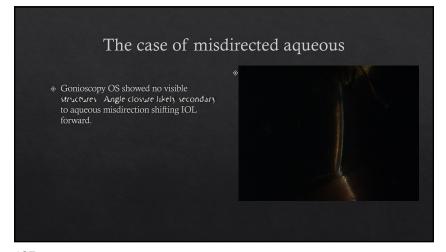
DFE OD ONH drusen, intraretinal cyst, OS intraretinal cyst

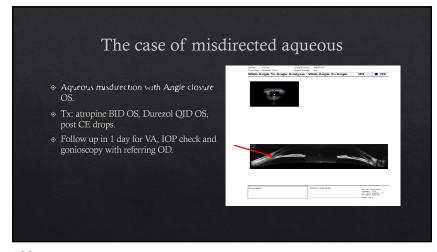
Cataract sx OS then OD

123

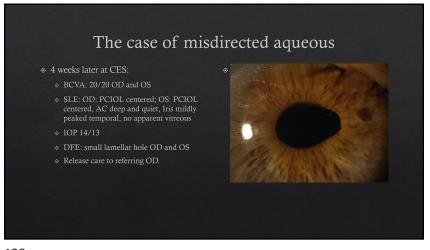




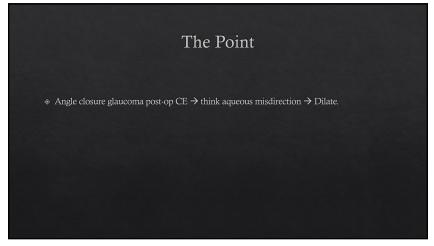


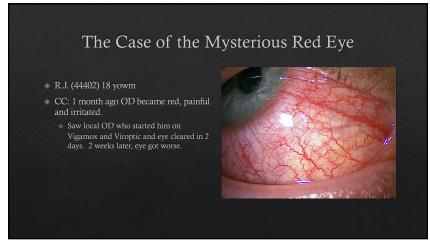


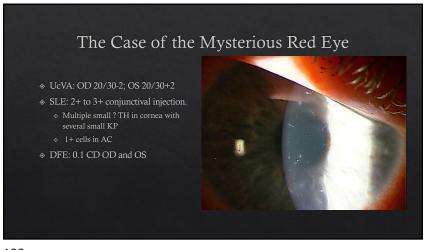
127

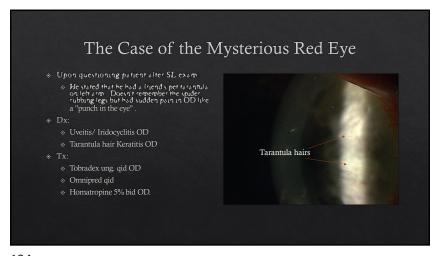


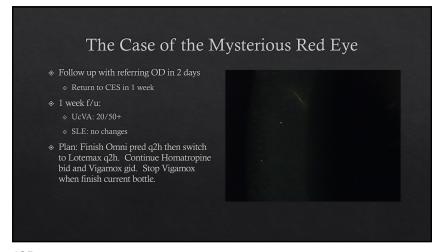


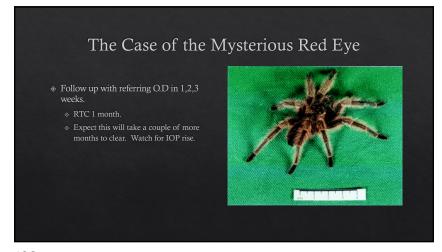












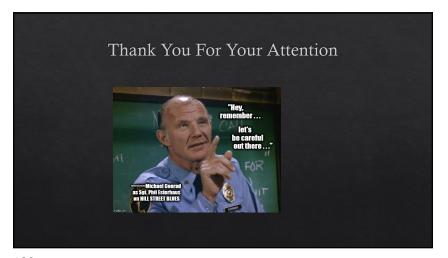


The Point

Don't play with spiders.

Especially not tarantulas!

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**References

* Stringham, J., & Werner, L. (2010, August) Calcification of different designs of silicone intraocular lenses in eyes with asteroid hyalosis. Retrieved February, 2019, from https://www.ncbi.nlm.nih.gov/pubmed/20537395

* Yoshida, H. (2016, January) IOL fixation from dr yamane. Retrieved February, 2019, from https://www.youtube.com/watch?v=WwEuS2m08Yg

* Sharma, S. (2017, December 18) Optic disc pit surgery. Retrieved February, 2019, from https://www.youtube.com/watch?v=IAEYNP951c4

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