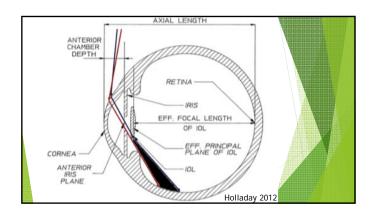


### Negative Dysphotopsia

- ▶ Patients complain of crescentic shadow in temporal field of view
- Caused by shadow on nasal retina between light refracted by IOL and light passing between iris and IOI

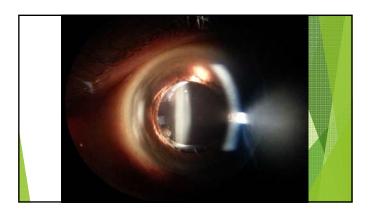




Surgical Outcomes	Surgical management of negative dysphotopsia  Semuel Manket, MZI, Nicole R. Fram, MZI, Andrew Cho, RS, Joses Park, RA, Don Flasm, RS  J Catanat Rehact Rusy 2018, 446–16 0 2019 P Addresd by Element Inc. on breal of ACCHS and EDDE
Surgical Method	Resolution of symptoms
In-the-bag IOL exchange	0/5
Iris suture fixation of bag complex	0/1
Piggyback secondary IOL	8/11
Secondary reverse optic capture	21/22
Sulcus IOL exchange	7/8

# How about Nd:YAG Laser Anterior Capsulotomy?

- ▶ Nd:YAG anterior capsulotomy of nasal anterior capsule resolves negative dysphotopsia in a 70 year old man - Cooke, 2012
- Nd:YAG anterior capsulotomy → complete (3/6) or partial (2/6) resolution of negative dysphotopsia Folden, 2013



### Laser Anterior Capsulotomy for Negative Dysphotopsia

- ▶ 2 clock-hour nasal anterior capsulotomy via Nd:YAG laser
- ▶ Often results in complete or near-complete resolution of negative dysphotopsia symptoms
- ▶ Does not preclude surgical management in the future if necessary (reverse optic capture or IOL exchange to

### References

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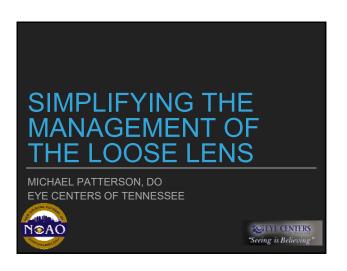
  Davison JA, Postitive and neghtive dysphotopias in patients with acrylic intraocular lenses2. Journal of Cataract & Refractive Surgery, 2000 Sep 1:26(9):1346-55.

  Folden DV, Moodymium: WG, Isara andrair capsulationny. surgical option in the management of negative dysphotopsia. Journal of Cataract & Refractive Surgery, 2013 Jul 1:39(7):1110-5.

  Holladay JT, Zhao H, Reisin CR. Negative dysphotopsia: the enigmatic penumbra. Journal of Cataract & Refractive Surgery, 2012 Jul 1:38(7):1251-46.
- Mexiet S, Fram MR. Pseudophasic negative dyshotopsia: surgical management and new theory of etiology, Journal of Cataract & Refractive Surgery, 2011 Jul 1;37(7):1199-207.

   Maskel S, Fram MR. Cho, A, Pak, I Pham D. Surgical management of negative dysphotopsia. Journal of Cataract & Refractive Surgery, 2018 Jan 31;44(1):6-16.

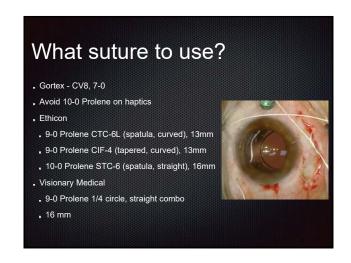
   Vámos P, Caškary B, Memeth J, Intraocular lens exchange in patients with negative dysphotopsia symptoms. Journal of Cataract & Refractive Surgery, 2010 Mar 1;36(3):418-24.

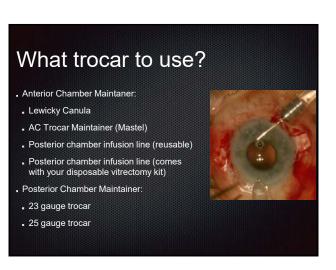


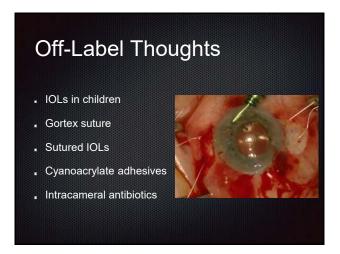
# FINANCIAL DISCLOSURES: ALLERGAN JOHNSON AND JOHNSON CARL ZEISS MEDITEC NEW WORLD MEDICAL BAUSCH AND LOMB IVANTIS GLAUKOS SIGHT SCIENCES BEAVER-VISTEC

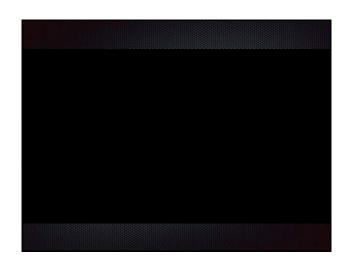


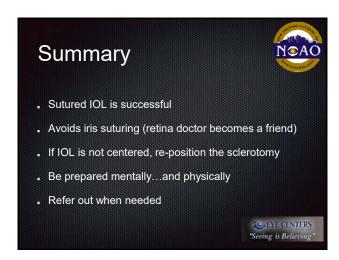


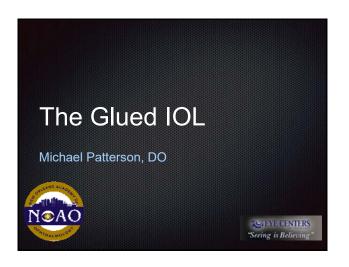






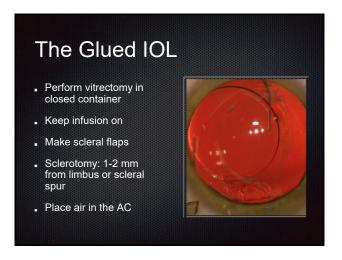




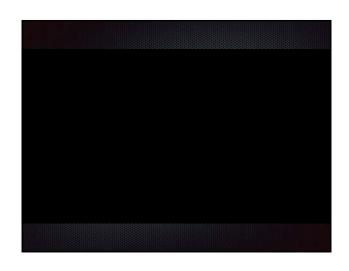














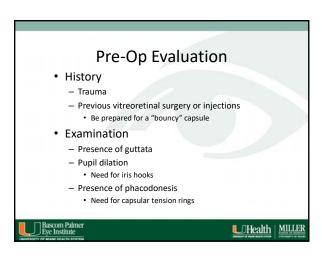
## Summary

- Glued IOL is a great stable long-term option
- Avoids iris suturing (retina doctor becomes a friend)
- If IOL is not centered, re-position the sclerotomy
- Be prepared mentally...and physically
- Refer out when needed

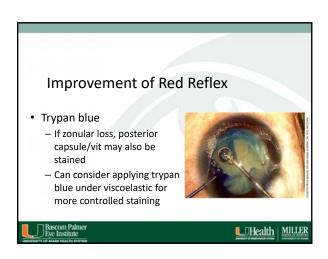






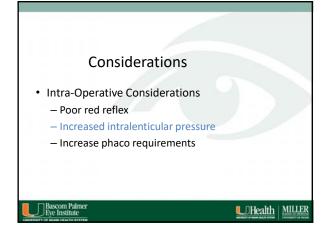


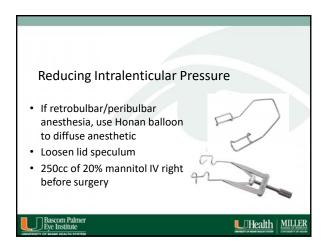


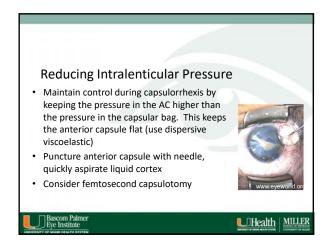






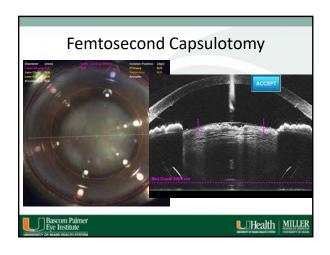




















# Identify preoperatively small pupils, fibrosed capsules, loose zonules, open PC, etc... Stain capsule with trypan blue Overpressurize the chamber when performing rhexis and maintain stability of the chamber as much as possible with a OVD, aspirate liquid cortex Be aware of the "type" of white cataract you are dealing with

Health | MILLER

