

The Aftermath: What happens to your patients after their lenses are finalized?

Dr. Andrew Biondo

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WELCOME!



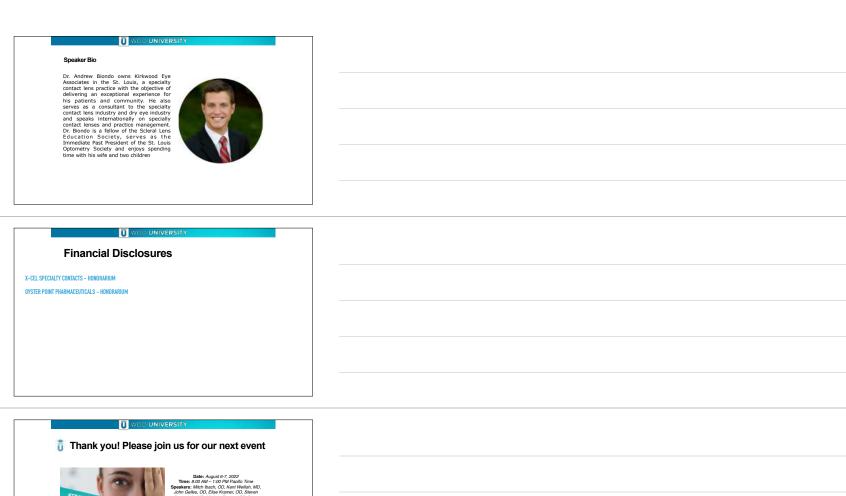
WOO UNIVERSITY

- For a 1-hour webinar attendees must be online for a minimum of 50 minutes
- For a COPE certificate, please fill out the survey link in the chat. Also, the survey link will appear when the webinar ends.
- CE certificates will be delivered by email and sent to ARBO
- with OE tracker numbers

 CE certificates will be emailed within 4 weeks
- Ask questions using the zoom on-screen floating panel



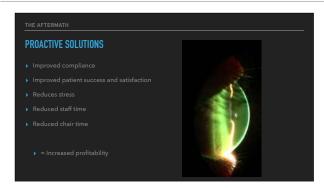




















BEFORE YOU FINALIZE

What material are you choosing?

- Wettability?
- Ontic
- O2 permeability
- Compatible coatings
- Plasma?
- Tangible HydraPEG



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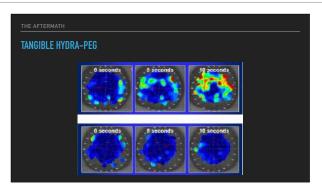
THE AFTERMAT

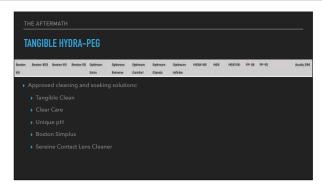
PLASMA TREATMENT

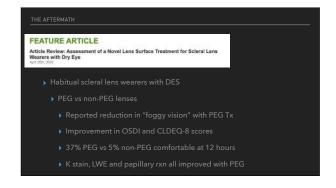
- Finished lenses placed in chamber with plasma gas
- "Deep Cleans" by removing "trace organic contaminants
- Rearranges surface molecules to increase hydrophilicity
- NOT a coating
- Good for initial lens performance, not continued protection
- No proof of improved lens comfort

TANGIBLE HYDRA-PEG Tangible® Hydra-PEG® Hides the Lens Surface and Preserves the Natural Tear Physiology Coming mode of Mills William Committee Committee



















BEFORE YOU FINALIZE

- ▶ Tangible Care Program
 - Subscription Clean and Boost
 - Care Coach
 - Online and phone support
 - Online education
 - Discounts





HE AFTERMATH

LENS HANDLING

- NP #1 reason for scleral lens failure
- > Training videos on ScleralLens.or
- Dedicated staff member
- Follow-up calls and visits



"BARNETT M, LIEN V. LI JY, ET AL. USE OF SCLERAL LENSES A MINISCLERAL LENSES AFTER PENETRATING KERATOPLASTY. CONTACT LENS 2016 MAYAZISA 185-9. DOI: 10.1097/

THE AFTERMATE

WE'RE GETTING CLOSE...

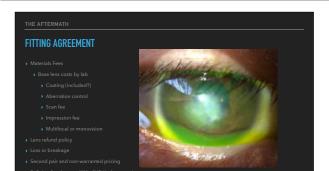
- Clear warranty periods
- ▶ When is fit finalized?
- Warranty period?
- Spare pair
- Loss or breakage
- Changes in Rx or fi



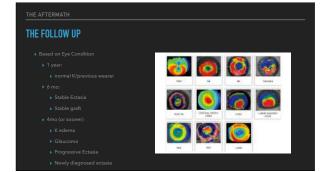
THE AFTERMATH

FITTING AGREEMENT

- Charge for fitting
- One eye or two?
- Includes all follow-ups and remakes'
- Includes all measurements or some hilled to insurance?
- Fitting period
- > From first dispense? From when lens is finalized?
- Refund for services?







THE AFTERMATE

TROUBLESHOOTING

- Comfort issues
- ▶ On insertio
 - Corneal touch
 - ▶ Edge lif
- Worsens throughout day
- ▶ Excessive vault
- ▶ Excessive settling (touch



THE AFTERMATH

TROUBLESHOOTING

- Blurry Vision
- Air bubble
- Residual cy
- ▶ Flexu
- Surface wetting
- Tear laver clouding
- Corneal adam



Photo: Grea DeNaever, CO

THE AFTERMATH

TROUBLESHOOTING

- ▶ Flexur
- Over .75D excessive
- over K's to D
- Astigmatic Symptom
- Residual Cy





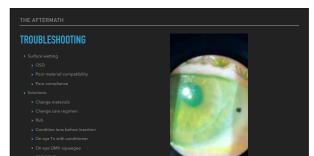
THE AFTERMATH

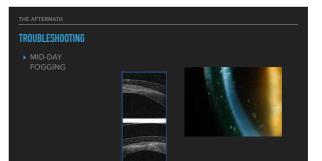
TROUBLESHOOTING

- > Residual astigmatism
- . Lonticula
- ▶ Toric IC
- Tilted IOI
- Posterior Corne
- High Regular Cy
- ▶ FLEXURE???

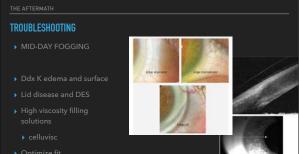








TROUBLESHOOTING A measure of tear inflow in habitual scleral lens wearers with and without midday fogging



THE AFTERMATE

TROUBLESHOOTING

- Corneal Edema
- Tight Lens Syndrom
- Hypox
- Excessive central tear layer thickness
- Excessive limbal tear thicknes
- Excessive lens thickness
- ▶ Inadequate D
- Dysfunctional endotheliun



Cartians Avenue Cor., 2012 Dec;35(6):266-71. doi: 10.1070(j.doi:2012.07.064. Epub 2012.Ap. 8.

Predicting estimates of oxygen transmissibility for scienal lenses.

Michaud L. 1. von der Worz G. Brazeniu D. Worde R. Giwano CJ.

THE AFTERMATH

TROUBLESHOOTING

- Corneal Edema
- CENTRAL CORNEA:
- Froiden-Wertz min. Dk/t:
- LIMBUS
- Filarence Donatino Itili Diot. 3.
- Parammandations to raduce hunovia-related
- edema:
- Lens Dk greater than 1
- Limbal clearance kept to minimum

THE AFTERMATH

TROUBLESHOOTING

- ▶ Corneal Edem
- 50um to 400um PoLTT = 1.5% edema
- roughly 20 to 40 Dk/t
- Considered hypoxic at 4%
- ▶ Closed-eye wear sti

Gatt. Eve 1995, 2018 Nov. 43(11):1320-1315. doi: 10.1080/C0713683.2018.1500010. Eye o 2018 Aug 6.

Central Corneal Edema with Scieral-Lens Wear.

KM 741^{1,2,3}, Tan 8², Lin 80^{1,3}, Radeo Ca^{1,3}.

THE AFTERMAT

TROUBLESHOOTING

- Corneal Edema
- Dk 100, 140, 160
- No significant increase in swelling
- All under 2%

Cont. Liero Antonio Con., 2019 Aug. 40(4):406-372, doi: 10.1916/j.niao.2019.04.000. Epub 2019 Apr 15.

Effects of scienal-lens oxygen transmissibility on corneal thickness: A pilot study. Imm²: Imm³: No.Ye², Lo.Ye², Lo.Ye², Lo.We², Lo.We².

