

# Perspectives and Recommendations on Peroxide-based Contact Lens Products from the American Optometric Association

Jeffrey Sonsino, OD, FAAO

Chairman, AOA Contact Lens and Cornea  
Section

# Disclosures

- Full-time private practitioner- Specialty contact lens practice in Nashville, TN
- Consultant- Alcon
  - Nature: advisory board & travel lecture grant through the American Academy of Optometry
- Consultant- Art Optical
- Consultant- Johnson & Johnson
- Consultant- Optovue
- Consultant- Synergeyes
- Consultant- Visionary Optics
- Principal, Shareholder- LVR Technology, LLC

# AOA Commitment to Patient Education

Be it RESOLVED, that the American Optometric Association continue to actively promote the education of the public about the importance of compliance with the prescribed wear and care regimens of contact lenses and the importance of continuous patient monitoring by an optometrist.

# Perspective of Problem

- Peroxide solution is, by far, the best lens care solution on the market for preventing bacterial, amoebal, and fungal infections with contact lenses<sup>1-3</sup>
- Most important factor is compliance with doctors recommendation
- We do not want any barriers to use

1. Johnston SP, Sriram R, Qvarnstrom Y, Roy S, Verani J, Yoder J, Lorick S, Roberts J, Beach MJ, Visvesvara G. Resistance of Acanthamoeba cysts to disinfection in multiple contact lens solutions. J Clin Microbiol. 2009 Jul;47(7):2040-5.

2. Retuerto MA, Szczotka-Flynn L, Ho D, Mukherjee P, Ghannoum MA. Efficacy of care solutions against contact lens-associated Fusarium biofilms. Optom Vis Sci. 2012 Apr;89(4):382-91.

3.. Szczotka-Flynn LB, Imamura Y, Chandra J, Yu C, Mukherjee PK, Pearlman E, Ghannoum MA. Increased resistance of contact lens-related bacterial biofilms to antimicrobial activity of soft contact lens care solutions. Cornea. 2009 Sep;28(8):918-26.



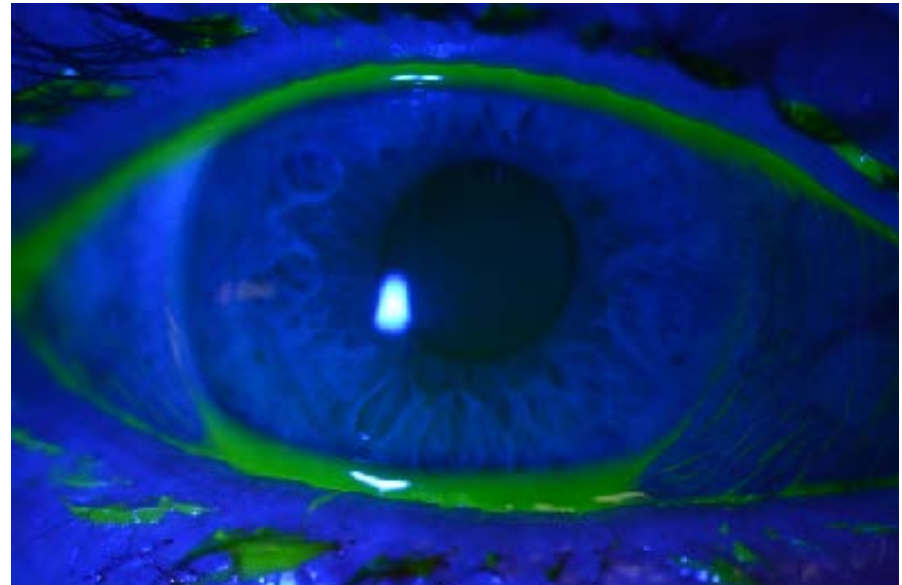
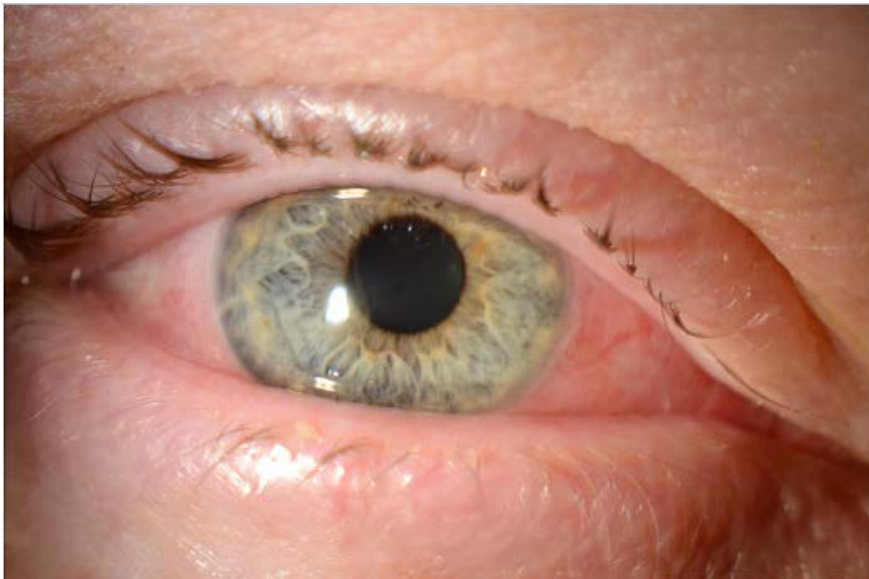
# Perspective of Problem

- Chemical burn



# Perspective of Problem

- Peroxide toxicity is self-limited
- Resolve with no treatment



# Mitigating Risk

- Continued physician education and oversight of the contact lens evaluation
- Leveraging existing partnerships
  - CDC Contact Lens Health Week
  - American Optometric Association
- Product Packaging Changes

# Recommendations to Explore

- ✓ Relax regulations on required info on packaging:  
Leave room for large info-graphic
- ✓ Education



<https://www.dreamstime.com/royalty-free-stock-image-applying-eye-drops-vector-illustration-image2325576>



# Questions