

Innovations in Multifocals

COPE pending 2 hours

This lecture will focus on novel innovations in contact lens multifocals for the treatment of presbyopia.

Learning Objectives

1. Become knowledgeable in contact lens multifocals for presbyopia.
2. Identify how to select different treatments based on the severity of presbyopia.
3. Learn different management strategies for presbyopia.
4. Identify opportunities for better presbyopia engagement.

Course Outline

1. Presbyopia
 - a. Current classification system
 - Premature
 - Incipient
 - Functional
 - Absolute
 - Nocturnal
 - b. Modern classification system
 - Mild
 - Moderate
 - Advanced
 - c. Prevalence
 - Worldwide
 - US
 - Emmetropic Presbyopia
 1. Opportunities-30 million Americans buy reading glasses at a box store without seeing an ECP
 - d. Patient Journey
 - Frustration

- Consumer surveys
- e. Contact Lenses
- SV with glasses
 - Monovision
 - Multifocal
 - Modified multifocal
 - Multifocal studies
 - a. MV vs Essential GP (Johnson 2000)
 - i. 75% preference for multifocal
 - b. MV vs Acuvue Bifocal (Situ et al 2003)
 - i. 68% preference for multifocal
 - ii. Issues with near vision in low light
 - c. MV vs Softlens MF (Richdale et al 2006)
 - i. 76% preference for multifocal
 - ii. Issues with near vision in low light
 - d. Woods J et al (2009)
 - i. Objective (exam room), MV “best performer” for high- and low-contrast near vision tests
 - ii. Subjective (“real world”), MV “lowest performer”
 - iii. MF CLs “highest performer” (night driving, television, computer)
 - e. MV vs Air Optix Aqua MF (Woods et al 2015)
 - i. 51% preference for multifocal
 - ii. 37% preference for monovision
- f. Daily disposable multifocals and presbyopia
1. Convenience
 2. Great for part-time wear
 3. Improved safety
 - a. Tempo study
- g. Daily disposable MF options
- h. The Astigmatic Patient
- i. Suspended soft contact lens
- j. Virtual reality contact lens options
- k. Optimizing the ocular surface during the fitting process
- Dry eye screening
 1. Questionnaire
 2. Vital dyes
- l. Discuss presbyopia from the patient’s point of view
- Impact on quality of life
 - What are the shortcomings of current treatments and why don't they address all populations?
- m. Emerging Pharmaceutical Options in conjunction with contact lenses
1. Presbyopia Drops Will Be Additive for a Majority of Patients, Supplementing their Current Near Vision Remedy

2. 80% of patients will still use Rx glasses or contact lenses in addition to drops
2. Opportunities for better presbyopia engagement
 - a. Educate on presbyopia
 - b. Use the word presbyopia
 - c. Understand that presbyopia will change over time regardless of treatments
 - d. What to expect over the next several years
 - e. Ideal treatment options
3. Staff Training (presbyopia champion)
 - a. Pretesting patient engagement
 - b. Lunch & Learn