



**Title: Mastering the Art and Science of Higher-Order Aberration  
Correction: Insights from Clinical Cases**

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**Abstract:**

Course Description: Higher-order aberration (HOA) corrected scleral lenses can significantly enhance visual quality in select patients, but success is often limited by unrealistic expectations, ocular surface instability, and poor clinical sequencing. This course uses case-based analysis to examine common causes of HOA correction failure, emphasizing expectation management, ocular surface optimization, and depth-of-focus trade-offs. Attendees will learn to combine repeatable wavefront measurements with personalized counseling to achieve meaningful, sustainable visual outcomes in complex scleral lens patients.

Course Objectives:

1. Identify key factors that contribute to success or failure of HOA-corrected scleral lens outcomes.
2. Integrate ocular surface disease management and optimal clinical protocols prior to implementing HOA correction.
3. Set realistic patient expectations regarding visual quality, depth of focus, and symptom resolution to reduce dissatisfaction and treatment abandonment.