

2020 Educational Goals

We welcome proposals in the following areas:



Cataract Surgery

Learning Gaps - Alcon Focus

Ophthalmologists in training and/or early in their careers can improve their surgical technique through didactic and hands-on learning opportunities. How to properly optimize femto technology is also relevant to ophthalmic surgeons. HCPs can benefit from education designed to improve awareness of current and developing technologies in intraocular lens types and how to better screen patients to identify the optimal lens type for their patients, as well as understand the diagnostic tools available pre-operatively and intra-operatively that can optimize refractive expectations and outcomes.

<u>Fundamentals/Basics</u>	Improve understanding of: <ol style="list-style-type: none">1. Phaco-dynamic fundamentals to include fluidics and its impact on chamber stability2. Ultrasound fundamentals relative to minimizing the potential for thermal complications3. Cataract surgical technique to include the use of viscosurgical devices and how to deliver best refractive outcomes4. Cataract surgical techniques that address complications during surgery5. Current and evolving technologies to optimize the phaco system and enhance ocular tissue protection
<u>IOLS</u>	Increase awareness of: <ol style="list-style-type: none">1. Effective and appropriate pre-op planning with patient to include the most appropriate lens based on patient lifestyle and patient expectations2. Current and emerging technologies in advanced technology IOLs and considerations for each:<ul style="list-style-type: none">- PCIOL diffractive technology: Advantages and limitations- Extended depth of focus: Provides vision from distance to intermediate by creating single elongated focal point- Multifocal: Provides vision at both distance and near (multi focal points)- Toric: Decreases post-operative astigmatism- Trifocal: Provides vision at near, intermediate, and distance to provide a fuller range of vision3. Evolving IOL technology to include:<ul style="list-style-type: none">- Lens designs- Biomaterials- Delivery systems

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<u>Diagnostics</u>	To improve refractive outcomes and provide more better surgical efficiency, explore the: <ol style="list-style-type: none">1. Use of accurate pre-operative biometry measurements including traditional IOL calculation methods as well as Artificial Intelligence in the surgical planning process helps minimize potential sources of error and maximizes refractive outcomes2. Use of intraoperative aberrometry measurements allows the surgeon to assess and make adjustments when necessary to provide better refractive outcomes3. Benefits of using 3D visualization to improve patient outcomes and surgical efficiency by providing a more comprehensive view for the surgeon as well as a more ergonomic approach to cataract surgery
<u>Femtosecond Laser Assisted Cataract Surgery</u>	Improve understanding of how to incorporate femto technology into cataract surgery technique and workflow

Keratorefractive Surgery

Learning Gap – Alcon Focus

HCPs are limited in their ability to differentiate among the laser platforms and laser treatment options.

<u>Treatment Options</u>	Improve understanding of the differences among available and developing technologies in order to improve patient selection and treatment assignment: <ul style="list-style-type: none">- Wavefront optimized- Wavefront guided- Topography guided- Ray tracing
<u>Technology</u>	Improve understanding of how the use of available and developing technologies can lead to reduced refractive errors
<u>Femtosecond Laser</u>	Improve understanding of how to incorporate femto technology in the creation of intracorneal tunnels and corneal pocket incisions/flaps

Vitreoretinal Surgery

Learning Gap – Alcon Focus

HCPs lack awareness of the latest technologies and techniques in vitreoretinal surgery.

<u>Technology</u>	Improve awareness of: <ol style="list-style-type: none">1. Retinal stabilizing agents serve to delay aqueous filling to allow for retinal re-attachment to occur2. Instrument material can increase surgical precision and help minimize trauma3. High speed cut rates can minimize surgical complications and maximize surgical outcomes4. Impact of fluidics on surgical outcomes
<u>Techniques</u>	Expand understanding of the positive impact on surgical outcomes that the following have: <ol style="list-style-type: none">1. Small gauge surgery can positively impact surgical outcomes through less conjunctival scarring, less post-op inflammation, and earlier visual recovery2. Intraoperative management through overarching teaching curriculum3. Vitreous behavior and its impact on surgical treatment modalities and surgical outcomes
<u>Digitally Assisted Vitreoretinal Surgery (DAVS)</u>	Improve surgeon awareness of the benefits and uses of DAVS by increasing knowledge of: <ol style="list-style-type: none">1. The role visualization plays in vitreoretinal surgery2. Benefits of using DAVS to improve patient outcomes by providing a more comprehensive view for the surgeon

Surgical Glaucoma

Learning Gap – Alcon Focus

HCPs lack awareness of emerging technologies in surgical glaucoma.

<u>Technology</u>	Improve awareness of emerging technologies in surgical glaucoma for the patient with mild to moderate disease
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Contact Lens & Contact Lens Care

Learning Gap – Alcon Focus

ECPs can benefit from independent education designed to improve understanding of the available technologies in contact lens wear and the best practices/strategies in fitting patients incorporating the patient's lifestyle and visual needs. ECPs can also expand their ability to differentiate among lens care solutions and how to maximize the compatibility between lens care platforms and lens care solutions.

<u>Contact Lens Platforms</u>	Improve successful contact lens wear by patients through increasing ECPs knowledge of: <ol style="list-style-type: none">1. Available technologies:<ul style="list-style-type: none">- Daily disposable lenses- Multifocal lenses for presbyopia- Toric lenses for astigmatism2. Increase successful lens wear and reduction in drop-out rates by maximizing fitting opportunities based on patient's lifestyle and visual needs (including eye fatigue from near work or digital device use)
<u>Contact Lens Care Solutions</u>	Aid the ECPs in improving patient compliance and reducing drop-out rates in contact lens wear by: <ol style="list-style-type: none">1. Differentiating lens care solutions to find the optimal system for each patient2. Increasing awareness of the differences in MPS and hydrogen peroxide for the disinfection of contact lenses

Ocular Health

Learning Gap – Alcon Focus

HCPs can benefit from a better understanding of the importance that a healthy ocular surface plays in a patient's quality of life, its impact on successful contact lens wear and cataract/refractive surgical outcomes.

<u>Causes & Types</u>	Expand HCPs awareness of the different types of dry eye, and the diagnostic and the treatment options for each by: <ol style="list-style-type: none">1. Understanding of the pathophysiology, symptoms and risk factors associated with dry eye disease to provide an optimum care plan for the patient2. Understanding how to diagnose different forms of dry eye using medical history, clinical presentations, and diagnostic tests/equipment3. Identifying the best treatment option for the patient with a dry eye diagnosis, depending on the type and severity of the disease
<u>Impact on Patient Care</u>	Increase HCPs understanding of the role that a healthy ocular surface plays in patient quality of life by: <ol style="list-style-type: none">1. Understanding its importance in successful contact lens wear, including its contribution to a reduction in drop-out rates2. Understanding that careful selection of lens material, adherence to lens replacement schedule, and the optimal lens care options can lead to a healthier ocular surface3. Understanding that the pre-surgical management of dry eye can lead to improved surgical outcomes
<u>Technology</u>	Increase awareness of the in-office option of eyelid heat and pressure therapy for adult patients with chronic Meibomian gland dysfunction