AFOS Goes to Outer Space

This year’s Armed Forces Optometric Society (AFOS) meeting at SECO kicked off Monday evening with a trip to the final frontier. Tyson Brunstetter, OD, PhD, MBA, captain of the Medical Service Corps, US Navy, presented “Long-Duration Space Flight and the Microgravity Ocular Syndrome (MOS),” during which he dug into the details of space travel and how that environment can wreak havoc on the human body—and the eyes.

“We are just entering, relatively speaking, the long-duration phase of space exposure,” Dr. Brunstetter said in his slides, and understanding the long-term side effects will be key to keeping astronauts safe and healthy.

The session detailed the significant physiological challenges of space travel, and one NASA survey found 29% of short- and 60% of long-duration crewmembers experienced “degradation” of distance or near visual acuity, Dr. Brunstetter said.

He went on to highlight the clinical findings associated with MOS, such as hyperopic shift, globe flattening, choroidal folds, cotton wool spots, optic disc edema, optic nerve sheath distention and mildly elevated post-flight intracranial pressure. He ended the session with some speculation into why MOS happens and outlined in-flight testing techniques that help to detect potential problems.

All About Neuro

Tuesday morning’s sessions zeroed in on neuro-ophthalmic disorders with two presentations by Kelly Malloy, OD. She began with a question: “Is this a CN III palsy/aneurysm?” After walking attendees through the ins and outs of diagnosing CN III palsy, it was clear why the answer was “yes” for the 11 case examples that followed.

In her second presentation, focused on neuro-ophthalmic manifestations of primary cancer, she interspersed case examples with important clinical pearls for diagnosing primary cancers based on ocular symptoms.

“It’s all about the anatomy, knowing the pathway and where things are,” Dr. Malloy said. Following the path of the affected nerve can reveal the location of the tumor—which is key for targeted imaging, she said. “We ordered a scan and it was read as normal,” she said of one patient diagnosed with a grade IV astrocytoma. “If you didn’t know enough to localize the tumor, you might miss the tract lesion.”

Beyond following the anatomy, Dr. Malloy emphasized the importance of several crucial testing strategies, including pupil and color vision testing.

“Checking for a relative afferent pupillary defect (APD) is a very important test, because if you can pick up on it early, you can do something about it before it’s too late,” she said.

In addition to checking pupils, clinicians should rethink the utility of color vision testing. “What’s really good about color vision is the optic nerve is very sensitive to colors, especially red, so if there starts to be damage to the optic nerve, you will start to see a decrease in color vision. So this can be very helpful in a neuro workup.”

Rapid Fire

In the afternoon, AFOS members enjoyed a rapid fire grand rounds. Kate Allen, OD, led off with a severe case of iritis, followed by Chris Bugajski, OD, who discussed a patient diagnosed with a conjunctival intraepithelial neoplasia. Oscar Corredor, OD, presented two cases of penetrating injury—one of which returned to 20/20 vision after proper care, while the other’s eye was enucleated. “The key is prevention, prevention, prevention,” Dr. Corredor said. “And to the people in the field, just use protection and never use a pressure patch!”

Kelly Steele, OD, wrapped up the session with a discussion and case about the use of tinted contact lenses to help with migraines.

Expand Your Turf: Skin

The final session, “Dermatology 101 Lessons for Eye Care Practitioners,” gave attendees plenty of practical knowledge from Alan Kabat, OD. Why learn about dermatology? “Because we often have to refer patients, or even handle it ourselves,” Dr. Kabat said. He went on to emphasize the importance of saying something about a suspicious dermatological issue, even if it’s not exactly related to the eye. “If I can reach it with my slit lamp, it’s my turf, and I will say something,” he said. And why not? It may have a huge positive impact on the patient’s quality of life.

The lecture was chock-full of clinical images of everything from benign “skin tags” to severe cases of nodular melanoma, viral papilloma and contact dermatitis. “If you are not sure, biopsy and make sure you aren’t dealing with something that’s not benign,” he emphasized.

Dr. Kabat not only shared clinical pearls for diagnosis, but also the best management strategies, rounding out the session with a comprehensive look at both benign and malignant skin lesions. The lecture was peppered with personal anecdotes to drive home the message: skin matters.

Ocular examination can prove challenging in space, but it garners important information about MOS. Here, astronauts perform OCT testing on-orbit.

Dr. Kabat provided clinical images—such as this one of viral papilloma—to illustrate the importance of addressing dermatologic issues with your patients.
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Business Speakers Say Data Will Drive Future Eye Care Practice

Eye care practices must leverage actionable data to stay competitive, meet government requirements, participate in incentive programs and satisfy patient expectations, said speakers at yesterday’s MedPRO 360 program. New to SECO, the course took a closer look at health care practice management in the United States.

Morning sessions brought together health care and technology experts with diverse backgrounds to share the latest information on the status of health care reimbursement in the United States, along with new and developing technologies designed to improve the profitability and patient outcomes of private eye care practices.

Health Care Reform—Reformed

Thomas Sullivan, president and founder of Rockpointe Corp., and editor and author of the Policy and Medicine website, spoke about the evolution of health care reform in “The Future of Medical Payment Reform and Obamacare... Where Do We Go From Here?”

He discussed the 2010 Patient Protection and Affordable Care Act, nicknamed Obamacare, intended to drive better health outcomes, lower costs and improve access. And he suggested that Speaker of the House Paul Ryan’s Patients’ Choice Act gives the best look at what the new administration’s health care reforms may look like.

Sullivan expects to see changes in Medicare payment requirements along with a trend toward prior authorization requirements by insurance companies to cut costs. As well, he said the government and private insurers will move toward value-based payment structures for reimbursement.

“Payment reform is here to stay,” Sullivan said. “Paying for quality is a bipartisan deal.”

Eye care providers need to be aware of the bipartisan-supported Medicare Access and CHIP Reauthorization Act of 2015 (MACRA), which takes effect this year and requires, among other things, a merit-based incentive payment system to begin in 2019. MACRA offers $500 million in incentive payments along with penalties for providers who don’t meet certain benchmarks.

Sullivan speculated that an example of a merit-based incentive payment system quality measure might be that all patients in an eye care practice must receive annual eye exams. Eye care providers will need to capture essential data points that are descriptive, diagnostic and predictive to generate money for the practice, he said. The best data for this purpose is often claims submissions data, Sullivan added.

Medicaid performance scores are now available on the government website Physician Compare, so patients can view provider rankings.

Proactive Medicine

Daniel Kraft, MD, faculty chair for Medicine & Neuroscience for Singularity University, and founder and chair of Exponential Medicine, spoke about the need for disruptive technology to move health care away from intermittent and reactive medicine to continuous and proactive medical care across organ systems, during “Future of Health & Medicine: Where Can Technology Take Us.”

Across an impressive span of more than 300 slides, Dr. Kraft highlighted the latest technologies—an array of software, virtual reality, gaming and robotics applications—with the potential to exponentially speed up the pace of health care advancement.

These new technologies will generate huge amounts of data, so the challenges for eye care providers will be deciding how to quantify and harness the data so it is clinically meaningful.

The Cost of Doing Business

Owen J. Dahl, MBA, FACHE, LSSMBB, an independent Medical Group Management Association consultant, stressed that eye care practice owners need to analyze more than the financial statement to determine the health of the practice, during “Assessing Your Practice’s Financial Health.”

Eye care practice owners need to know the cost of doing business, Dahl said. He offered a variety of metrics to determine some of those costs.

“It’s great to know [you need] to get X dollars,” Dahl said. “It’s better to know what those dollars are going to cost you to be able to bring in the bottom line.” Reliable and repeatable data are the way to achieve that intelligence, Dahl said.

Afternoon sessions focused on improving employee attitudes and how to avoid practice mistakes that can have costly legal ramifications. Dennis Snow, president of Snow & Associates, and John Slavich, director of human resources for Landrum Human Resources, presented.
ODs to Shape the Future of Cataract Surgery

We’re living in an era of unprecedented surgical technology and it’s redefining the OD’s role.

When Medicare and optometry finally partnered in 1986, it not only changed the profession’s trajectory—it reordered the entire eye care landscape. “We were so excited that we could actually legitimately set up a program so that we could get paid for comanagement services,” Paul Ajamian, OD, said at yesterday morning’s The Future of Cataract Surgery presentation. That legislation set up a chain of events leading to a 2016 position paper from the American Academy of Ophthalmology approving optometry’s comanagement role.

With more and more ODs partnering with ophthalmology to manage patients postoperatively, the course provided a glimpse at the specifics of preoperative evaluation, education on surgical options and postoperative care. “We’re going to take care of these patients’ eyes and not dump it on the lap of the surgeon,” Dr. Ajamian said.

**Evaluation**

A cataract evaluation should start with the optometrist deciding who should—and should not—be sent to surgery based on glare testing, slit lamp evaluation and a dilated fundus exam, among other factors, said Dr. Ajamian. He emphasized that, although many new technologies exist, dilation remains standard of care.

Referring ODs should also consider ocular surface diseases, chalazia, retinal conditions and other contraindications before sending patients to the MD.

**Education**

The OD—not the surgeon—needs to quarterback every detail of a patient’s eye health, from explaining simple astigmatism to describing all the patient’s surgical options, Dr. Ajamian emphasized.

Now, with 10,000 baby boomers turning 65 each day and entering the Medicare market, patients are demanding that education, according to Dr. Ajamian.

Primarily, he said, they want to know about femtosecond laser surgery—and that’s an avenue with a lot of options. By employing technology such as optical coherence tomography guidance, these lasers can create precise incisions, setting the stage for “clear, crisp distance vision,” he said. He also outlined the options available with different brands.

Referring optometrists must be able to respond to patients inquiring about this option by explaining who makes the best candidates for laser cataract surgery and working with the patient to determine whether they fit the mold.

As the point person, ODs must be able to educate patients about the financial side of cataract surgery too. This means explaining which aspects of surgery are covered under insurance (cataract removal), which aren’t (toric and multifocal lenses) and what each lens option means.

**Embrace Post-op Care**

“Don’t let the patient be with the surgeon too much or else they’re going to say you told your surgeon,” Dr. Ajamian warned. This means disposing with excuses for avoiding post-op care, such as “I’m not on Medicare,” “I’m not set up for post-op care” and “it takes too much time.” These excuses provide an opportunity for ophthalmologists to do what they’ve been doing for 40 years: steal our patients,” Dr. Ajamian said.

With an eye to the future, Dr. Ajamian said, postoperative care will soon be changing to embrace cutting-edge technologies such as droppless cataract procedures and the implantation of glaucoma drainage devices during cataract surgery.

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**“What’s My Beef?” Series Gives ODs a Sounding Board**

Tonight, 6pm – 7pm, Rooms A311-A315, Level 3

Business Insider has ranked optometry as a top profession for job satisfaction; but that doesn’t mean optometrists don’t occasionally have a beef with aspects of their career.1 When losing patients to referral, optometrists may have a bone to pick with ophthalmologists. ODs can get a little cheesed off when glaucoma patients fail to comply with their medications. The local pharmacy or vision plans may even have ODs foaming at the mouth!

Whatever your grievance, SECO’s new “What’s My Beef?” lecture series offers a chance to vent and get advice on dealing with any number of practice issues. “Common problems doctors face with referrals, speakers, vision plans, glaucoma and pharmacies will all be discussed,” says Paul Ajamian, OD. Attendees can choose one of the following five courses, each scheduled for 6pm tonight, and receive one hour of CE credit:

- **Vision Plans.** Carl Spear, OD, will address current trends in vision plan audits and how to avoid them—or prepare if it does happen. He will also touch on ways to profit from frames and lenses, followed by a group discussion during which attendees can share their own beefs with vision plans.
- **Pharmacists.** Bruce Onofrey, OD, RPhs, will discuss his beef with his fellow pharmacists and how ODs can reconcile problems that arise during interactions.
- **Referrals.** Walt Whitley, OD, will ask attendees to take a closer look at their referral relationships, and whether the ophthalmology practices get all the information they need to properly take care of patients. Attendees will have time to air their grievances about comanagement and referral and evaluate methods to improve communications.
- **Glaucoma Meds.** While newer glaucoma medications offer improved patient care, the biggest clinical hurdle remains patient compliance. David Sendrowski, OD, will evaluate why patients continue to struggle with drop schedules, and then discuss how to achieve the best outcomes.
- **Speakers.** Dr. Ajamian and Thomas Griffith, OD, offer a presentation for aspiring SECO presenters. They will analyze where mediocre presenters go wrong and offer valuable tips on how to get onto the optometry talk circuit.

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2017 MEETINGS

Charleston, SC
March 24-26, 2017**
Charleston Marriott
Program Chair:
Paul Karpecki, OD

San Diego, CA
April 20-23, 2017**
Joint Meeting: NT&T/OCCRS
San Diego Marriott Del Mar
Program Chair:
Paul Karpecki, OD

Orlando, FL
June 8-11, 2017**
Disney’s Yacht & Beach Club
Program Chair:
Paul Karpecki, OD

Philadelphia, PA
November 3-5, 2017 *
Loews Philadelphia Hotel
Program Chair:
Paul Karpecki, OD

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See Review website for any meeting schedule changes or updates.
Here at SECO 2017, you can focus on learning with our full slate of top-notch continuing education courses just for optometrists.

“Our theme this year, ‘Your Future in Focus,’ says it all,” says Paul C. Ajamian, OD, SECO CE Committee chair. “SECO’s CE committee works year-round to provide a slate of select speakers who will discuss not only what is relevant today, but how we prepare for tomorrow. From custom-crafted special sessions and hourly breakout courses to high-level staff training, there is no other meeting that raises the bar like SECO does, year after year.”

We are offering five of our renowned Special Sessions this year, showcasing the cutting-edge of optometry with the best speakers in the profession. In addition to yesterday’s one-of-a-kind MedPro360 event (see p. 3 of this issue for details), four more Special Sessions are still available for you to attend:

• **Retina Roundup**, Today, 8:30am-10:30am in Ampitheater A3. Mohammad Rafi eetary, OD, of the Charles Retina Institute in Tennessee—one of optometry’s foremost retinal authorities—will moderate a panel with John Randolph, MD, and Eric Sigler, MD, two of the nation’s most skilled retinal surgeons, about the modern-day retinal practice, new surgery techniques and the many uses for anti-VEGF therapy.

• **Cornea Cornucopia**, Tomorrow, 9am-11am in Ampitheater A3. This special session will feature ophthalmologists Elizabeth Yeu, MD, and Preeya Gupta, MD, and the discussion will be moderated by Walter Whitley, OD. Attendees will hear updates on what’s hot in corneal and external disease. Don’t miss this chance to hear candid OD-MD conversations on emerging trends and comanagement strategies.

• **Skinning Cats: Corneal Transplantation from Front to Back**, Saturday, 9am-11am in Ampitheater A3. Transplants aren’t dead—but they are on life support. Peter Veldman, MD, a national expert from Harvard, shares his surgical expertise regarding all the new corneal surgeries, with emphasis on pre-op selection and post-op management. Be prepared for some stunning videos.

• **Lessons Learned From Larry**, Sunday, 7:30am-9:30am in Ampitheater A3. This special session honors a giant in optometric retina education: Larry Alexander, OD, who was a mentor to many. Presenters will highlight many of his “Eye Lessons” that have been a source of instruction and inspiration to the profession that he loved. Leo Semes, OD, Joseph Pizzimenti, OD, and Blair Lonsbery, OD, MS, MEd, will present.

Plus, SECO 2017 gives you the chance to get some practical, hands-on experience with our nine Learning Labs, including these highlights:

• **Laser Learning Lab**, Today, 2pm-5pm in Room A310. Demystify the various laser procedures in eye care.

• **MGD Learning Lab**, Tomorrow, 1:45pm-3:45pm in Room A303. Get a hands-on look at the diagnostic and therapeutic modalities for dry eye.

Other Learning Labs will focus on scleral/hybrid lenses, therapeutic injections, OCT technology, advanced corneal procedures and more! See the daily schedule for full details.

You also don’t want to miss MIPS and More:
### SECO 2017 Schedule of Events

Many exciting educational and social events are planned.

**THURSDAY, MARCH 2, 2017**

- **Ophthalmic Professionals Continuing Education Program**
  - 7am – 7pm
  - GWCC Bldg. A

- **Optometrist Continuing Education Program**
  - 7:15am – 7pm
  - GWCC, Bldg A Exhibit Hall

- **Ophthalmic Professionals Symposium**
  - 11am – 12pm
  - GWCC Bldg. A

- **OD Lunch Symposium**
  - 12pm – 1pm
  - GWCC, Exhibit Hall A3

- **Optometry’s Marketplace at SECO™**
  - 10:45am – 5pm
  - GWCC, Bldg A Exhibit Hall

- **Food Tasting Tour**
  - 4:30pm – 6pm
  - GWCC, Bldg A Exhibit Hall

- **ODs on Facebook Party**
  - 9pm – 11pm
  - Game-X, 275 Baker Street

**FRIDAY, MARCH 3, 2017**

- **Ophthalmic Professionals Continuing Education Program**
  - 6:30am – 5pm
  - GWCC Bldg. A

- **Optometrist Continuing Education Program**
  - 6:30am – 7pm
  - GWCC Bldg. A

- **Optometry’s Marketplace at SECO™**
  - 10:45am – 5pm
  - GWCC, Bldg A Exhibit Hall

- **OD Lunch Symposium**
  - 12pm – 1pm
  - GWCC, Exhibit Hall A3

- **Ophthalmic Professionals General Session**
  - 3pm – 5pm
  - GWCC, Bldg A

- **Ophthalmic Professionals Party**
  - 5pm – 7pm
  - Omni Hotel

- **NSUCO Alumni & Friends Reception**
  - 6pm – 7:30pm
  - Omni Magnolia Room, Level M2

- **Pennsylvania College of Optometry Alumni and Friends Reception**
  - 6pm – 7:30pm
  - Omni Grand Ballroom B, Level M4

- **UABSO Alumni Reception**
  - 6:30pm – 8pm
  - Omni Grand Ballroom E, Level M4

- **Southern College of Optometry Reception for Alumni & Friends**
  - 6:30pm – 8:30pm
  - Omni Atrium Terrace S. Tower

- **IU School of Optometry Alumni & Friends Reception**
  - 7:30pm – 9pm
  - Omni, Grand Ballroom A, Level M4

- **Bad Habits: Eye Docs of Rock Party**
  - 9pm – 12am
  - Ventanas, 275 Baker St.

**SATURDAY, MARCH 4, 2017**

- **Ophthalmic Professionals Continuing Education Program**
  - 6:30am – 7pm
  - GWCC Bldg. A

- **Optometrist Continuing Education Program**
  - 6:30am – 7pm
  - GWCC Bldg. A

- **Optometry’s Marketplace at SECO™**
  - 10:45am – 5pm
  - GWCC, Bldg A Exhibit Hall

- **Student Lunch Symposium**
  - 12pm – 1:15pm
  - GWCC, Exhibit Hall A3

- **SoCO House of Delegates Meeting**
  - 3:45pm – 5:30pm
  - GWCC, Bldg A Exhibit Hall

- **The NEXT Party for Students & Recent Grads (Sponsored in part by Hoya)**
  - 9pm – 12am
  - Omni Hotel

**SUNDAY, MARCH 5, 2017**

- **Ophthalmic Professionals Continuing Education Program**
  - 7:15am – 11:45am
  - GWCC Bldg. A

- **Optometrist Continuing Education Program**
  - 7:30am – 2pm
  - GWCC Bldg. A

Other courses of interest this year include **Maximizing Profits in a Competitive Market** (Friday, 1:45-3:45pm, Room A315) where you will learn strategies to improve the financial health of your practice, and **The Optic Neuropathies** (Saturday, 1:15-3:15pm, Room A312), which will review the clinical presentations of optic neuropathies and explore advancements in treatment and management.
# PRESENTATION THEATER

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### OPTOMETRIST PRESENTATIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00-2:00 PM</td>
<td>Revitalizing the Established Practice Through Technology</td>
<td>Kevin Henne, OD (Capacity 75)</td>
<td>MARCO</td>
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<tr>
<td></td>
<td>Ophthalmic Merchandising 101</td>
<td>Pete Hamlin, LDO (Capacity 75)</td>
<td>ESSILOR</td>
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<tr>
<td></td>
<td>Geographic Atrophy - The Next Frontier in Care</td>
<td>Steve Studebaker, MD; Mark Schutte, OD (Capacity 75)</td>
<td>PENTAVISION</td>
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<tr>
<td>2:00-2:45 PM</td>
<td>Essilor Town Hall</td>
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<tr>
<td>3:00-4:00 PM</td>
<td>Sights of Innovation: Focusing on Astigmatism</td>
<td>Dr. Paul P. C. (Capacity 75)</td>
<td>ESSILOR</td>
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<td>The Practice of the Future</td>
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<td>Winning the Online Game - Any Practice Can Be #1 Online</td>
<td>Dr. Chad Fleming, OD; FAAO (Capacity 50)</td>
<td>IMATRIX</td>
</tr>
<tr>
<td>5:00-6:00 PM</td>
<td>Perception of Value</td>
<td>Pete Hamlin, LDO (Capacity 75)</td>
<td>ESSILOR</td>
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<tr>
<td></td>
<td>Electrophysiology in Vision How VEP and ERG Can Impact Your Treatment Decisions</td>
<td>James Thomson, OD (Capacity 50)</td>
<td>DIOPSYS</td>
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### FRIDAY OD

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Location</th>
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<tbody>
<tr>
<td>11:00 AM-12:00 PM</td>
<td>A Different POV: New Perspectives on Optometry’s Future</td>
<td>Andrew Neukirch, OD; Mr. Troy Hazard (Capacity 50)</td>
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</tr>
<tr>
<td>1:00-1:45 PM</td>
<td>Broadened Options: An optometrist’s guide to new lens technologies and biologics options</td>
<td>Paul Karpecki, OD; FAAO (Capacity 50)</td>
<td>KATENA</td>
</tr>
<tr>
<td>4:00-5:00 PM</td>
<td>Position of Wear and Compensated Rxs</td>
<td>John Rumpakis, OD; Greg O’Leary, OD (Capacity 75)</td>
<td>ESSILOR</td>
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<tr>
<td></td>
<td>Keeping up with the Millennials</td>
<td>John Rumpakis, OD (Capacity 75)</td>
<td>ESSILOR</td>
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<tr>
<td>2:00-3:00 PM</td>
<td>Best Practices for Patient Satisfaction with New Extended Depth of Focus IOLs</td>
<td>Paul Karpecki, OD; FAAO; Dr. Brian Reilly, OD; Dr. Eric Stormich, OD; FAAO (Capacity 75)</td>
<td>ESSILOR</td>
</tr>
<tr>
<td>12:00-12:45 PM</td>
<td>Leveraging Technology to Get Your Patients in The Door Enter to Win $100 Amex card</td>
<td>Travis Reed (Capacity 75)</td>
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### SATURDAY OD

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<tr>
<th>Time</th>
<th>Session Title</th>
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<tbody>
<tr>
<td>11:00 AM-12:00 PM</td>
<td>Patient Handoff - Collaborative Patient Care</td>
<td>John Rumpakis, OD; MBA (Capacity 75)</td>
<td>ESSILOR</td>
</tr>
<tr>
<td>12:00-1:00 PM</td>
<td>Say Hi in Georgia!</td>
<td>Dr. Beth Schat, OD; Dr. Bridgette Shuey, OD; Dr. Walter Whitley, OD; MBA; FAAO (Capacity 75; boxed lunch provided)</td>
<td>ESSILOR</td>
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<tr>
<td>12:00-12:45 PM</td>
<td>Essilor Town Hall</td>
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<td>3:15-4:15 PM</td>
<td>The Evolution of Lenses, Blocking Blue Light</td>
<td>Ryan Parker, OD (Capacity 75)</td>
<td>ESSILOR</td>
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<td></td>
<td>Visual Merchandising Tactics</td>
<td>Travis Reed (Capacity 75)</td>
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### OPTHALMIC PROFESSIONALS PRESENTATIONS

<table>
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<tbody>
<tr>
<td>11:00 AM-12:00 PM</td>
<td>Ophthalmic Merchandising 101</td>
<td>Pete Hamlin, LDO (Capacity 75)</td>
<td>ESSILOR</td>
</tr>
<tr>
<td>12:00-1:00 PM</td>
<td>Team Health Care - What’s Your Role In The Practice Of The Future?</td>
<td>John Rumpakis, OD; MBA (Capacity 75)</td>
<td>ESSILOR</td>
</tr>
<tr>
<td>2:00-3:00 PM</td>
<td>Front Desk Triage - Understanding Vision Visits vs. Medical Encounters</td>
<td>John Rumpakis, OD; MBA (Capacity 75)</td>
<td>ESSILOR</td>
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<tr>
<td>1:30-2:30 PM</td>
<td>Documentation &amp; Compliance Requirements For Ophthalmic Techs</td>
<td>John Rumpakis, OD; MBA (Capacity 75)</td>
<td>ESSILOR</td>
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<tr>
<td>11:00 AM-12:00 PM</td>
<td>Patient Handoff - Collaborative Patient Care</td>
<td>John Rumpakis, OD; MBA (Capacity 75)</td>
<td>ESSILOR</td>
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<tr>
<td>12:00-1:00 PM</td>
<td>2017 Retail Trends</td>
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Welcome to SECO 2017. We are thrilled that you are taking the time to focus on yourself and your future. Our ophthalmic professionals program helps grow your knowledge, expand your professional circle and move your career forward. SECO, the world’s largest optometric conference, offers a superlative program tailored specifically for paraoptometrists, opticians, business/practice managers, optometric technicians and ophthalmic medical personnel—and it’s where you’ll build the skills you need to excel at your job and advance your career.

SECO is especially proud to introduce its new Ophthalmic Professional Certificate Program this year—the only hands-on certificate program for ophthalmic professionals. This two-year program covers key areas necessary to become a complete technician. If you are serious about becoming the best ophthalmic professional you can become, it will put you on the right path. Choose from a specific selection of our unmatched courses and labs, then—when you are ready—sit for a comprehensive, hands-on skills examination. You must enroll in the program in order for your courses to count toward the certificate. You can still enroll this year by emailing education@secostaff.com or visiting the Registration Services during the conference.

Also new for 2017 is the Ophthalmic Professionals Lunch Symposium sponsored in part by Alcon. At this exciting session exclusively available to allied optometric professionals, you can enjoy a free lunch and hear the talk, “Introducing AIR OPTIX® plus HydraGlyde Contact Lenses” presented by Alcon with Kris Kerestan-Garbig, OD. The lunch will take place Thursday, March 2 from 11am to 12pm in Room A411/412.

More Advanced Courses
If you’ve been on the job for a while, SECO has technical and administrative advanced courses including CLs for the Next Generation, Blepharitis, MGD and OSD, Dealing with Difficult Patients, and much more.

Learning Labs
Get hands-on training in our learning labs. Topics include Tear Evaluation, Slit Lamp, Lensometry, Eye Dissection, Refractometry, Prism Progressive, and Preliminary Skills for the Beginner.

OP Party
Don’t miss the Ophthalmic Professionals Party, sponsored in part by Essilor, Friday night in the Omni Hotel International Ballroom ABC, 5-7pm, immediately following the general session “I Speak Your Language: Understanding Personality Dynamics.”

Should You Earn the Ophthalmic Professional Certificate?
Demonstrate a commitment to your profession and continued learning by enrolling in SECO’s new Ophthalmic Professional Certificate Program. This one-of-a-kind program includes the hands-on skills testing that you will find nowhere else in the country. Choose from a variety of courses and learning labs that will expand your knowledge and even challenge the veteran ophthalmic professional.

Who should take this program?
Any ophthalmic professional that is either a veteran or new to the profession who is interested in furthering your education and commitment to your profession.

How does it work?
To receive SECO’s Ophthalmic Professional Certificate, participants must:

1. Declare your participation in the Ophthalmic Professional Certificate Program
   You must declare that you are participating in the program beginning in year one. You will find a simple checkbox prominently displayed during online registration. We must have this information in advance in order to track your progress and point accumulation.

2. Take courses and earn a minimum of 80 course value points over two years
   We have identified courses within our ophthalmic professional education program that provide the necessary training for a successful career. These select courses have been assigned value points, which count towards the required total of 80 points. You must earn the 80 points over the next two years.

3. Pass the Hands-on Ophthalmic Professional Skills Course (course #926)
   You must pass three performance stations while being assessed on 15 skills required for the prescreening of patients during an eye exam. These skills are based on national standards and will be graded as pass/fail. Participants have up to four years from program enrollment to pass the Ophthalmic Professional Skills Course.

NOTE: You may take the Ophthalmic Professional Skills course before completing the required coursework in order to assess your skills, plan for next year’s courses, familiarize yourself with the testing format, and receive feedback on your skill level. You will be required to complete all three steps in order to receive a certificate of completion.
As always, the SECO conference is honored to showcase an outstanding educational faculty with diverse expertise in day-to-day clinical care as well as scientific research and professional education. Among the dozens of experts generous enough to share their time and talent with the SECO audience are these notable presenters for 2017:

Mohammad Rafieetary, OD

Having been in practice at the Charles Retina Institute and the Diabetic Eye Center in Memphis since 1996, Dr. Rafieetary is a graduate of Boston University and received his Doctor of Optometry from the University of Missouri-St. Louis. He completed a residency in Primary Care Optometry and Ocular Disease at the Southern College of Optometry and the Memphis Health Center. Dr. Rafieetary served as the chief of Ocular Disease Service and at the Southern College of Optometry until 1996. Among the accolades he has received from the optometric community, Dr. Rafieetary was named Optometrist of the Year by the Tennessee Optometric Association and received the National ADA Award of the Achievement of Distinction by the American Diabetic Association. He is a diplomat of the American Board of Optometry as well as the American Board of Certification in Medical Optometry.

Where to hear Dr. Rafieetary at SECO 2017:
• Retina Roundup—Thursday 8:30-10:30am in Ampitheater A3.
• Not So Fast! The Great RD Imposters—Thursday, 4-5pm, Room A305.
• Morning Retinal Rounds—Friday 7:45-8:45am, Room A313.
• No Matter How You Slice It: A Primer on the OCT—Friday 5-7pm, Room A313.

Peter Veldman, MD

Dr. Veldman is a full-time member of the Cornea and Refractive Surgery Service at Mass. Eye and Ear with specialized expertise in lamellar (partial-thickness) corneal transplantation options—including DMEK, the thinnest corneal transplant available—as a cornea fellow at Devers Eye Institute in Portland, Oregon, under the direction of Drs. Mark Terry and Michael Straiko. As a result of this training, Dr. Veldman is able to offer corneal transplantation options that specifically treat his patients’ diseases without sacrificing otherwise healthy corneal tissues. This approach offers a number of advantages, including faster and better visual recovery as well as decreased risk of graft rejection.

Be sure to mark your calendar for Dr. Veldman’s presentation Skinning Cats: Corneal Transplantation from Front to Back, Saturday 9-11am in Ampitheater A3.
Bruce Onofrey, OD, RPh, FAAO

Well known within the optometric field for his command of ocular therapeutics, Dr. Onofrey received his Doctor of Optometry degree from Illinois College of Optometry. He also has degrees in chemistry and pharmacology. Dr. Onofrey recently retired from Lovelace Medical Center after 25 years, where he served as chief of Optometry and vice-chairman of eye services. He currently serves as a clinical professor and executive director of continuing education programs at the University of Houston.

Dr. Onofrey is a frequent contributor to ophthalmic literature. He is the current editor of Clinical Optometric Pharmacology and Therapeutics and the author of “The Ocular Therapeutics Handbook—A Clinical Manual.” Dr. Onofrey frequently lectures on ocular disease management and the use of pharmaceutical agents.

Dr. Onofrey’s SECO course schedule includes the following:

- Everything You Wanted to Know About Therapeutics, But Were Afraid to Ask—Wednesday 1:45-3:45pm, Room A305.
- AREDS II—Thursday 7:15-8:15am, Room A316.
- What’s My Beef With Pharmaceuticals?—Thursday 6-7pm, Room A311.
- Infection Control—Thursday 10:45-11:45am, Room A313.

Sharon Carter, BS

Ms. Carter is the owner of Eye Care Optometric Consulting (ECOC), a consulting company based in Arkansas. With more than 22 years of experience related to the optometric industry, she has worked with many offices to improve staff efficiency and training. She has spent the last five years speaking at state and national meetings on topics ranging from staff motivation to improving patient care. Check the educational program for numerous appearances by Ms. Carter.

Diane Drake, LDO, ABOM, FCLSA

A licensed optician in Georgia with more than 30 years of experience in the optical business, Ms. Drake had previously been owner and president of All About Eyes Vision center for 19 years. She received her Masters in Ophthalmic Optics Certification by the ABO. Ms. Drake is a Fellow of the Contact Lens Society of America and Fellow of the National Academy of Optician, serves as vice president for the National Academy of Optician and is past president of the Opticians Association of Georgia and the SouthEastern Opticians Conference. She is the vice chair of the Commission on Optician Accreditation. Ms. Drake is also an ABO and NCLE-approved advanced certified speaker. Check the educational program for numerous appearances by Ms. Drake.

William Underwood, PhD, ABOM, FCLSA, FNAO

The Program Director for the Opticianry program at Hillsborough Community College, Tampa, Florida, Dr. Underwood received his associate degree in Opticianry from Erie Community College, Buffalo, New York. He earned his PhD in Education from the University of South Florida. Dr. Underwood is an ABO Master Optician, NCLE certified and licensed in the states of New York and Florida. He is a Fellow of the National Academy of Optician, an honored fellow of the Contact Lens Society of America and a past president of the National Federation of Opticianry Schools. Dr. Underwood lectures frequently at state and national meetings. Check the educational program for numerous appearances by Mr. Underwood.
Optometry's Marketplace™ Hosts the Top Industry Companies
(as of February 1, 2017)

Attendees can visit Optometry’s Marketplace at SECO™ for free just by mentioning an exhibiting company they intend to visit during SECO 2017.

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<tr>
<td>Shanghai Conant Optics Co., Ltd.</td>
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<td>TLC Laser Eye Centers</td>
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<td>Villa Eyewear</td>
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<td>Vision Ease</td>
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<td>VSP Global/VSP Vision Care &amp; VSP Optics Group</td>
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<td>Zeiss</td>
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</tbody>
</table>
Join Review of Optometry's New Technologies & Treatments in Eye Care June 8-11, 2017 in Orlando at Disney’s Yacht & Beach Club. This meeting provides up to 18 COPE CE credits including interactive workshops!!*

INTERACTIVE WORKSHOPS AVAILABLE!!*

Registration cost: $595
Receive $100 OFF if registered before April 16, 2017

FACULTY

Paul Karpecki, OD, FAAO
Program Chair

Douglas Devries, OD

Joseph Shovlin, OD, FAAO

Brad Sutton, OD, FAAO

DISNEY’S YACHT & BEACH CLUB
1700 Epcot Resorts Boulevard
Orlando, Florida 32830
Phone: 407-934-7000
Discounted room rate $215/night*†

3 WAYS TO REGISTER
online: www.reviewofoptometry.com/OrlandoNTT2017
email: reviewmeetings@jobson.com | phone: 866-658-1772

**Separate registration required. †Rooms limited. See event website for complete details. Photos Courtesy of Disney Group Marketing
The SECO Symposium Series is supported by the SECO 2017 Champion Program Premier Partners. As part of SECO’s commitment to complying with relevant legal requirements, we regret that meals cannot be provided to healthcare professionals licensed in the states of Massachusetts, Minnesota, or Vermont, or who are affiliated with any state or federal institution that prohibits the acceptance of meals at industry-sponsored events. Alternative options are available to attendees that are licensed in one of these states, affiliated with any such institution or simply prefer not to accept a reportable meal during the Symposium Series. Please contact 770-451-8206 for more information regarding how SECO International, LLC complies with the Sunshine Act.

Thursday, March 2
12:00 PM - 1:00 PM
Contact Lens Innovation: Improving Patient Outcomes
Rick Westarth, OD, FAAO; JeanMarc Davis, OD, FAAO
Presented by Alcon A Novartis Division

Bringing EYE-INSPIRED™ Design to Life
Weslie Hamada, OD, FAAO
Presented by Johnson & Johnson Vision Care, Inc.

Friday, March 3
12:00 PM - 1:00 PM
Sights of Innovation
Brian Rosenblatt, OD
Presented by Bausch + Lomb

Dry Eye – A Complex Disease with Potential Consequences
Paul Karpakci, OD, FAAO
Presented by Allergan

OPHTHALMIC PROFESSIONALS SYMPOSIUM
Enjoy a free lunch, exhibit hall giveaways, and presentations from industry, exclusively designed for ophthalmic professionals.

Thursday, March 2
11:00 AM - 12:00 PM
Introducing AIR OPTIX® plus HydraGlyde Contact Lenses
Kris Kerestan-Garbig, OD
Presented by Alcon A Novartis Division

Alcon Update
Tom Duchardt, FAAO
Presented by Alcon A Novartis Division

EYE-INSPIRED™ Patient-focused
Charea Loke, OD, FAAO
Presented by Johnson & Johnson Vision Care, Inc.

Getting to Know VSP Global
Vernon Dale Cruz, University & Student Relations Manager
Presented by VSP Global

WIN $100
JUST FOR ATTENDING THE OP SYMPOSIUM!
SECO will award 20 lucky attendees with $100 cash.

You could win a $1,000 scholarship from SECO International just by attending the Student Symposium on Saturday. You must be present to win.

STUDENT SYMPOSIUM
Saturday, March 4
12:00 PM - 1:15 PM

You could win a $1,000 scholarship from SECO International just by attending the Student Symposium on Saturday. You must be present to win.
Thursday, March 2 — Course Listings

**MEETINGS AND EVENTS**
8am – 5pm
SNAPP East Meeting
Omni Maple A/Maple BC/Spruce (S Tower)
8am – 5:30pm
ECP University Management Development Program, brought to you by Essilor
Omni Magnolia Room, Level M2
12:45pm – 6pm
Optometry’s Marketplace at SECO™
Grand opening 12:45pm
GWCC Bldg. A Exhibit Hall
Ticket Exchange for the Saturday Night Fever Party
GWCC Bldg. A Exhibit Hall, Conversation Café
4:30pm – 6pm
FREE Food Tasting Tour
GWCC Bldg. A Exhibit Hall
6:30pm – 9pm
SNAPP Reception
Omni Atrium Terrace
7pm – 9pm
RevolutionEHR User Meeting
Omni Dogwood B Room, Level M1
7pm – 10pm
Alcon AirOptix plus HydraGlyde Experience
Omni Intl Ballroom F, Level M2
9pm – 12am
ODs on Facebook Party
Game-X

**OPTOMETRIST COURSES**
7:15am – 8:15am
100 Refractive Surgery ABCs
A313
Spindel
101 Tackle Those Tough Corneal Ulcers
A302
Schweitzer
102 The Presbyopic Puzzle
A315
Quinn
103 AREDS II
A316
Onofrey
8:30am – 10:30am
060 Retina Roundup
Amphitheater–A3
Rafiey, Randolph, Sigler
10:45am – 11:45am
104 Ocular Surface and Lid Cookbook
A311
Spindel
105 Red Eyes in the Contact Lens Patient
A314
Quinn
106 A Different View: Using OCT to Evaluate CLs
A316
Sonsino
12pm – 1pm
301 Lunch Symposium Contact Lens Innovation: Improving Patient Outcomes presented by Alcon
Rick Weisbarth, OD, FAAO, JeanMarie Davis, OD, FAAO
AND
Bringing EYE-INSPIRED™ Design to Life presented by Johnson & Johnson Vision Care
Weslie Hamada, OD, FAAO
Amphitheater–A3
1pm – 2pm
Revitalizing the Established Practice Through Technology
Presentation Theater 1
Henne
Ophthalmic Merchandising 101 ECP University
Presentation Theater
Hanlin
Geographic Atrophy – The Next Frontier In Care
Presentation Theater 3
Singh, Dunbar
2pm – 3pm
107 Daily Disposables: What’s The Buzz?
A312
Quinn
108 Pediatric Contact Fitting Demystified
A316
Walline
109 Contact Lenses for Presbyopes
A314
Nguyen
110 Gas Permeable Grand Rounds
A315
Bennett
111 Emerging Technologies in Sclerals and Hybrids
A314
Nguyen
2pm – 5pm
600 Laser Learning Lab
A310
Lighthizer, Welch, Walker
3pm – 4pm
Sights of Innovation: Focusing on Antigmatism
Presentation Theater 1
Brujic
The Practice of the Future ECP University
Presentation Theater
Purcell
Winning the Online Game — Any Practice Can Be #1 Online
Presentation Theater 3
Flaming
4pm – 5pm
112 Not So Fast! The Great RD Imposters
A305
Rafi eetary
113 Tackling Toricity in Cataract Surgery
A312
Schweitzer
114 Mite it Be Demodex?
A313
Kabat
115 The New Social Media
A316
Bazan
116 Multifocal Gas Permeable Update
A315
Bennett
117 Specialty Contact Lenses
A314
Nguyen
5pm – 6pm
Perception of Value ECP University
Presentation Theater
Hanlin
Electrophysiology in Vision How VEP and ERG Can Impact Your Treatment Decisions
Presentation Theater 3
Thimons
6pm – 7pm
118 What’s My Beef With Pharmacists?
A311
Onofrey
119 What’s My Beef With Referrals?
A313
Whitley
120 What’s My Beef With Glaucoma Meds?
A314
Sendrowski

**TEAM–CENTERED LEARNING COURSES**
7:15am – 8:15am
504 Caring for the Pregnant Patient
A302
Pate

(Continued on p. 16)
THURSDAY, March 2 — Course Listings

(Continued from p. 15)

505 Under Pressure: Know the Hypertensive Guidelines
A314
Steele
10:45am – 11:45am

506 Managing Millennials
A304
Nguyen
507 In-Office Emergencies
A302
Pate, Steele
508 Current Concepts in Orthokeratology
A315
Bennett
509 Infection Control
A313
Onofrey
6pm – 7pm

510 What’s My Beef With Vision Plans?
A312
Spear
511 What’s My Beef With Speakers?
A315
Ajamian, Griffith

OPHTHALMIC PROFESSIONALS COURSES
7am – 8am
700 Preventing Burnout
A402
Lawrence
702 Remakes, Warranties, and Common Sense
A410
Hagemeyer
7am – 9am
701 How to Be a Better Contact Lens Technician
A405
Rakow
8am – 9am
704 Slit Lamp Lecture
A403
Stevens
705 Lensometry Lecture
A403
Coleman
706 The Art and Science of Frame Styling Your Patients
A410
Gibb
8am – 10am
703 Effective Coding and Billing
A402
McCarty
9am – 10am
707 Ocular Infections
A403
Stewart
708 Eye Was Made This Way
A404
Lane
709 Focus on Presbyopia: Keeping Patients in Contact Lenses
A405
Drake
710 Dispensing With the Stars
A410
Hagemeyer
9am – 11am
900 Lensometry Learning Lab
A406
Coleman, Stevens
901 Slit Lamp Learning Lab
A407
Stevens, Travis
902 Frame Adjustment Learning Lab
A412a
Shwom
10am – 11am
711 E-Prescribing and PQRS
A402
Carter
712 OCT
A403
Stewart
713 Pupil Testing
A404
Lonsberry
714 Multifocals vs. Monovision: The Dilemma
A405
Rakow
715 Task Specific Eyewear and Who Needs It
A410
Hagemeyer
11am – 12pm
300 Ophthalmic Professionals Lunch Symposium
Presentations from Alcon, Johnson & Johnson Vision Care, Inc., and VSP Global
A411/412b
12pm – 1pm
717 Macular Degeneration from A to Z
A403
Stewart
718 Red Eye: What Do You See?
A404
Kerestan–Garbig
719 Patient Education: The Contact Lens Dispenser’s Responsibility
A405
Drake
720 Optical Talk for Techs and Team Members
A410
Gibb
1pm – 2pm
721 Tonometry and Pachymetry
A403
Pate
1pm – 2pm
722 How to Earn More 5 Star Reviews
A402
Bazan
723 Eyelid Lumps and Bumps
A403
Lonsberry
724 Questions Your Glaucoma Patients Want to Know
A404
Smith
725 Myopia Control with Contact Lenses
A405
Walline
726 Kid Care: Successfully Dispensing Children’s Eyewear
A410
Gibb
5pm – 6pm
727 Eyes On The Game
A404
Coberly
Electrophysiology in Vision How VEP and ERG Can Impact Your Treatment Decisions
Presentation Theater 3
Thimons
728 Breakthrough Technologies on the Horizon
A405
Kerestan–Garbig
729 Frame Inventory Management and Visual Merchandising
A410
Gibb
SECO2017
WHERE SIGHT MEETS VISION™
1970s
Saturday Night Fever Party
GRAB YOUR LOB LADIES, YOUR OLD 45S AND
DON'T CRY YOUR TEAR BOTTLES!
JOIN SECO FOR A BLAST FROM THE PAST.

MARCH 4, 2017
8:30PM - MIDNIGHT

OPHTHALMIC PROFESSIONALS
PARTY
FRIDAY MARCH 3
5:00PM - 7:00PM
Omni Hotel, International Ballroom ABC

You’re a star in the optometric office
and this is your chance to celebrate!

FOOD | DRINKS | PHOTO BOOTH

NEXT PARTY

ALL STUDENTS AND RECENT GRADS ARE INVITED
TO CELEBRATE THE FUTURE OF OPTOMETRY

Friday, March 3 9:00 PM - Midnight
Omni Hotel, International Ballroom ABC

SECO 2017

WATCH THE STARS COME OUT AT SECO 2017
Special Event Benefiting Optometry Giving Sight
Friday, March 3, 2017
9 PM - Midnight
Ventana’s Rooftop Space
275 Baker St, Atlanta, GA

FEATURING:
THE STARS

WITH SPECIAL GUEST PERFORMANCES BY:
TED MCELROY, OD
TOM GRIFFITH, OD
PAUL ALAMIAN, OD

275 BAKER STREET
ATLANTA, GA 30313
(404) 525-0728
SECO2017

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Natural Eye Drops for Tear Stimulation & Allergy

15% DISCOUNT on all orders placed during the Show. Our eye drops are preservative free, don’t sting and are safe with contacts. We are looking forward to meeting you at Booth 742.

Free Dry Eye Treatment with Heated Eye Pad Booth #249-H. Experience a dry eye treatment with Heated Eye Pad, FDA cleared medical device offered by Digital Heat Corporation. It provides warmth to the tear film to optimize tear film temperature. The device is 50% of retail price at the booth during the convention.

Walman Optical, booth 1290 & 1270: Secco exclusive on select frames from Imagine, Revolution, and Nouveau $5/$10, $15/$20, $20/$30 New to Imagine, Revolution, or Nouveau? Special offers available.

Enjoy years of peace of mind with OCULUS!

Get a FREE additional year of warranty on OCULUS products when you purchase at the Booth #810 during the Show. This offer includes popular products such as the Pentacam® for keratoconus screening, Keratograph® SM for Dry Eye analysis, EasyRefil® C for visual field perimeter. Please stop by the OCULUS booth #810 for a free demo and to speak with one of our sales specialists.

Special Equipment and cleaner Deals

Dynamic Labs will offer free special discounts on Equipment and Lens Cleaner during the first hour of the show every day. Stop by booth 738 for special unadvertised deals everyday.

Transform Your Practice with 3 Free Months of The EDGE - 3 Free Months of The EDGE with EDGEpro® Enhancements

You Could Win an Apple Watch Sport at SECO!

Buy 12 frames from any one collection, receive a $50 visa gift card!* Available for new customers. Visit us at booth #1205, #1210 and #1212.

Buy 2 frames from any one collection, receive a $50 visa gift card!* Available for new customers. Visit us at booth #1205, #1210 and #1212.

Special offer: 5/$50, 8/$100, 12/$175, 20/$300

Enjoy special offers at OcuTech

Did you win the 12/15/16 offer? Come see what’s new at McGee!

FREE Countertop Display when you buy 8 Polinelli Reading Glasses with BluePro technology! Buy 6 of our NEW Voraxol Digital HD Video Magnifiers and get the 7th FREE!

FREE Countertop Display when you buy 8 Polinelli Reading Glasses with BluePro technology! Buy 6 of our NEW Voraxol Digital HD Video Magnifiers and get the 7th FREE!

Do you want to learn first-hand how the first step in a LASIK procedure is performed? Now you can!

You are invited by TLC Laser Eye Centers® to participate in a wet lab at our TLC Booth # 639 on Thursday, March 2nd through Saturday, March 4th.

Modern/20/20 Frame Offer

Receive 20 FREE “Value Frames” with 20-piece BMEC Purchase

BMEC is Modern’s very popular collection for bigger men. With 71 fashionable styles, eye sizes range from 52mm to 62mm. Temple lengths measure up to 160mm. All BMEC frames include a 2-year warranty.

PCEAA: The Doctor Alliance Group for Independent Doctors

Join the Professional Eye Care Associates of America (PCEAA) by March 19th and enjoy free membership benefits.

Do you order contacts? Get rich bonuses for signing up at Booth 404!

Do you want to learn first-hand how the first step in a LASIK procedure is performed? Now you can!

Join the Professional Eye Care Associates of America (PCEAA) by March 19th and enjoy free membership benefits.

Do you order contacts? Get rich bonuses for signing up at Booth 404!

Enjoy special offers at OcuTech

Do you order contacts? Get rich bonuses for signing up at Booth 404!

Enjoy special offers at OcuTech

Do you order contacts? Get rich bonuses for signing up at Booth 404!

Do you order contacts? Get rich bonuses for signing up at Booth 404!

Do you order contacts? Get rich bonuses for signing up at Booth 404!
## Continuing Education with Examination (CEE) Courses at SECO 2017

<table>
<thead>
<tr>
<th>Date</th>
<th>Start</th>
<th>End</th>
<th>Course #</th>
<th>Title</th>
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<td>OSD is Not a Four Letter Word</td>
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<td>The Future of Cataract Surgery</td>
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<td>Everything You Wanted to Know About Therapeutics, But Were Afraid to Ask</td>
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<td>Pharmacology of Injectable Meds</td>
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<td>Rules and Exceptions in Neuro-Ophthalmic Disease</td>
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<td>Treating with Oral Meds: From Dry Eye to Dendrites</td>
<td>51343-OP</td>
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<td>No Matter How You Slice It: A Primer on the OCT</td>
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<td>51026-SD</td>
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<td>Making Vision Therapy Thrive In A Primary Care Practice</td>
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<td>171</td>
<td>Lasers in Optometry</td>
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<td>20-561883</td>
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<td>170</td>
<td>The Best of Paul and Paul</td>
<td>51310-AS</td>
<td>20-561881</td>
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San Diego

We invite you to attend a unique “Joint Meeting” held at the San Diego Marriott Del Mar, April 20–23, 2017. Hotel reservations: 858-523-1700, discounted room rate $149/night†

Review’s New Technologies & Treatments in Eye Care and Optometric Cornea, Cataract & Refractive Society Meeting (OCCRS) are combined to provide you with up to 28° COPE CE credits in one weekend.

Experience superior education provided by prominent Key Opinion Leaders in optometry. Participate in hands-on interactive workshops.‡ See event website for agenda and detailed fees.

New Technologies & Treatments in Eye Care Faculty

Paul Karpecki, OD, FAAO
Program Chair

Douglas Devries, OD

Ben Gaddie, OD, FAAO

Ron Melton, OD, FAAO

Randall Thomas, OD, FAAO

OCCRS Faculty

Andrew Morgenstern, OD, FAAO
President, OCCRS

Clark Chang, OD, MS, FAAO
Program Co-Chair

Tracy Schroeder Swartz, OD, MS, FAAO
Program Co-Chair

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Convenient opportunities to register for one or both meetings with joint-meeting and early bird discounts.**

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Review of Optometry®


†Rooms limited. ‡Separate registration required. **Additional CE fees if attending both meetings.

Agenda subject to change. See website for details: www.reviewofoptometry.com/sandiego2017

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121 Stem Cell Technology in Glaucoma
Room A302, Level 3
The application of stem cell therapy has penetrated to the eye. Ganglion cell rescue and regeneration are two possible areas of exploration in glaucomatous optic atrophy. This course explores the history of, and future directions in, stem-cell therapy.
Leo Semes, OD

122 Zeiss Cirrus OCT
Room A313, Level 3
This course reviews OCT’s utility in monitoring glaucoma, among other disease types, using a plethora of case samples. The presentation will teach doctors how to recognize fluid and differentiate disease types using this technology. Dr. Gaddie will describe in detail many of the common imaging problems doctors experience with OCT—such as “red disease”—and how to combat them.
I. Ben Gaddie, OD

123 Lid Lesions
Room A312, Level 3
Dr. Lonsberry reviews the ups and downs of bumps and lumps. The talk will help differentiate between presentations that can be monitored, dealt with in office and ones that must be referred. Using a wide variety of clinical images, the course includes a review of benign lesions such as squamous papilloma, seborrheic keratosis, chalazia, hordeola, epithelial inclusion cysts, capillary hemangioma, eccrine hidrocystoma and more. But it also takes a look at pre-malignant conditions, such as keratoacanthoma and actinic keratosis as well as malignant ones such as basal cell carcinoma, squamous cell carcinoma, and melanoma.
Blair Lonsberry, OD

124 Pharmacology of Injectable Meds
Room A314, Level 3
Get to know your drugs with this course about the use of injectable medications in optometry. Topics will include FDA regulations, local anesthetics (and their various classifications), how injectable drugs are absorbed, their systemic effects, allergies and other contraindications. The course will also review topical steroid use and antibiotic agents as well as diagnostic injections, such as fluorescein angiography.
Tammy Than, OD

125 Do You Understand Your Practice’s Financial Health?
Room A315, Level 3
ODs spend their days taking care of their patients’ health; but are they doing enough to monitor their practices’ financial health? This course offers a detailed explanation of the financial metrics necessary to help optometrists stay in control of their business from opening day to retirement. Topics include strategically setting prices, understanding practice valuation and the basics of accounting.
Bryan Rogoff, OD

156 Take Control of Myopia
Room A411, Level 3
This lecture on myopia control aims to impart the tools necessary for doctors to talk to parents about myopia control options for their children, understand how ODs can slow myopia progression and maximize myopia control. It will also offer helpful hints for fitting a variety of contact lenses for patients of any age.
Jeffrey Walline, OD, PhD

**“What’s Brewing?” Courses**

All courses take begin at 6:30am

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OSD: Not a Four-letter Word

Yesterday’s lecture outlined a plan to conquer ocular surface disease.

Early-birds at this year’s SECO were treated yesterday to a two-hour discourse on dry eye packed with the clinical insights of two expert clinicians, Alan Kabat, OD, and Whitney Hauser, OD. Dr. Kabat kicked off the lecture by asking what ocular surface disease (OSD) really is and addressing the apprehension that exists among optometrists around getting involved in treatment. The problem: not having a clinical plan. Drs. Kabat and Hauser explained that they try to divide and conquer by classifying patients into what they call the four “OSD buckets”—scleral deficient, evaporative, mechanical, “other”—and having a tailored plan for each.

The course offered a sense of how to proceed methodically when working up a dry eye patient and devising a management strategy.

Know Your Onion

OSD is a complex disorder with numerous, often overlapping etiological factors. The terminology is confusing and, while ODs have numerous diagnostic strategies, no single confirmatory test exists. Despite a plethora of treatment options, clinicians are only able to attain variable or partial success. “OSD is a very complex disorder and, like an onion, when you peel it back and think you’ve moved ahead, you find that there’s something else underlying,” said Dr. Kabat. When a patient complains of chronic discomfort, “there’s a lot to do,” given the many facets of the disease, and ODs can find the prospect intimidating.

Diagnostic Considerations

For a thorough evaluation of a patient with OSD, Dr. Kabat said to take these five considerations into account:

- **Eyes:** Evaluate the tear film, its quantity, the presence of debris, and perhaps use vital dye stains to check for adequate distribution. ODs can evaluate several metrics, noninvasively (e.g., TBUT, tear chemistry), helping to elicit the correct diagnosis and the appropriate therapy. “Looking at the tears helps make more sense of the clinical situation for us as clinicians and for the patient,” said Dr. Kabat.
- **Cornea:** Check the corneal integrity using vital dye staining and topography to look for masqueraders. “Dry eye disease isn’t necessarily a corneal disease, but keratitis sicca is,” said Dr. Hauser. The entire ocular surface landscape. “Don’t just look at the cornea but also the conjunctiva,” said Dr. Kabat. “I can’t overemphasize—conjunctivochalasis is an extremely important component here, it’s very commonly missed.”
- **Technologies**

Dr. Hauser went into detail on both staple and emerging technologies. In some cases, the price points for certain tests seemed steep. In others, the reimbursement didn’t seem worth it for clinicians. But “you don’t do testing to get rich, you do testing to get information,” said Dr. Hauser. “The reason you get information is to arrive at the correct diagnosis. When you arrive at the correct diagnosis, you treat the patient correctly; the patient is satisfied, and that patient stays in your practice.”

Fire Up the OCT for CL Evaluations

Fitting specialty lenses is easier than you think if you use the right imaging tools.

Today, 10:45am – 11:45am, Room A316, Level 3

Fitting specialty contact lenses, such as sclerals and hybrids, has never been easy; but, newer, more complex designs have made fitting these lenses a particularly daunting task for many optometrists. Luckily, equally newer and complex imaging modalities, such as anterior segment optical coherence tomography (OCT), can help. In fact, tools to assess corneal shape have become integral to designing specialty contact lenses.

Join Jeffrey Sonsino, OD, this morning at 10:45am in Room A316, Level 3, for a primer on OCT technology and its applications for scleral and hybrid contact lens fittings. During “A Different View: Using OCT to Evaluate CLs,”—which will be packed with clinical images and examples—Dr. Sonsino will show attendees the value of using anterior segment OCT when fitting specialty lenses. For example, clinicians can use this imaging technique to accurately assess central vault of a scleral lens, allowing the prescriber to follow the newly delineated Michaud criteria for corneal oxygenation through a scleral lens. Researchers looked at theoretical oxygen estimates of various vault fittings and found that a lens vault of 200µm provided 10% greater corneal oxygenation than a lens fit with vault of 400µm.2 Such precision in vault measurement is only possible by using anterior segment OCT. One study found estimation of central corneal clearance by experienced clinicians using a slit lamp differed from OCT measurement by as much as 128µm.3

Dr. Sonsino will discuss how, armed with a cross-sectional image of the contact lens on the eye in real time, clinicians can see exactly how the lens fits and what may need to change to ensure the best possible fit. OCT images also provide a close look at corneal health to ensure contact lens wear isn’t causing any corneal irregularities. By the end of the session, attendees will be confident specialty lens fitters with their new-found knowledge of anterior segment OCT imaging.


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Biofinity Energys™ contact lenses help with eye tiredness and dryness commonly associated with digital device use. Considering 90 percent of U.S. adults use digital devices more than two hours per day, the opportunity to upgrade your patients is significant. Biofinity Energys™ contact lenses feature a revolutionary Digital Zone Optics™ lens design and Aquaform® Technology.

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