CONTINUING EDUCATION PROGRAMS

The American Academy of Optometry provides unparalleled programs in various formats. All are designed to provide cutting edge information from highly respected, distinguished lecturers in the optometric profession and vision and health science communities!

CE CREDITS PER DAY

Wednesday, November 12  
11 hours of CE  

Thursday, November 13  
10 hours of CE  

Friday, November 14  
8 hours of CE  

Saturday, November 15  
8 hours of CE  

LECTURES AND WORKSHOPS

The program consists of continuing education courses that take place:

Wednesday, November 12  
8:00 AM to Noon, 2:00 to 9:00 PM  

Thursday, November 13  
8:00 AM to Noon, 1:30 to 9:30 PM  

Friday, November 14  
8:00 AM to Noon, 2:00 to 6:00 PM  

Saturday, November 15  
8:00 AM to Noon, 12:30 to 4:30 PM  

SECTION AND SIG SYMPOSIA

- Academic Medical Center Optometrists SIG Symposium: "Issues at Academic Medical Centers"
- Anterior Segment Section Symposium: "MGD: The Science Under the Glands"
- Binocular Vision, Perception & Pediatric Optometry Section Symposium: "Affordable Care Act"
- Glaucoma SIG Symposium: "The Implementation of Optical Coherence Technology (OCT) in Managing Glaucoma"
• Low Vision Section Symposium: "There's Nothing Dry About Dry AMD: New Perspectives on an Old Problem"
• Neuro-Ophthalmic Disorders in Optometry SIG Symposium: "2014 Lawrence Gray Symposium in Neuro-Ophthalmic Disorders"
• Ocular Nutrition SIG Dinner and Symposium: "Current Nutrition Controversies Affecting ECP Recommendations to Protect Against Ocular Disease"
• Ocular Nutrition SIG Symposium: "Sugar - More than Meets the Eye"
• Optometric Education Section Symposium: "Point/Counter Point: Does Presentation Style Make a Difference in Outcomes? (Do Different Learning Styles Exist?)"
• Primary Care Section Symposium: "Primary Care of the Posterior Segment"
• Public Health & Environmental Vision Section Symposium: "Is There a Place for Prevention, Public Health, Public Assistance, and Providers in Optometric Practice in an Era of ACA?"
• Retina SIG Symposium: "Innovations in Retinal Care"
• Section on Cornea, Contact Lenses & Refractive Technologies Symposium: "Keratoconus - Lasers, Lenses & Boomerangs!"
• Vision in Aging SIG Symposium: "Vision in Aging Grand Rounds: Multidisciplinary Health Care and Insights"
• Vision Science and Low Vision Sections: "ARVO/AAO Joint Symposium: Why Do We Need Another Photoreceptor? Clinical Implications of Melanopsin-Containing Retinal Ganglion Cells"

SCIENTIFIC PROGRAM

Experience various educational formats including symposia, papers and posters:

SCIENTIFIC AND CLINICAL EDUCATION POSTERS

Earn CE credit for up to two hours each day. Posters will be available for viewing and credit all day Thursday and Friday in the Four Seasons Ballroom.
Prolonged use of corticosteroids may suppress bacterial infections.
Thursday, November 13
Authors of all posters present from 4:00 to 6:00 PM

Friday, November 14
Authors of ODD numbered posters present from 10:00 AM to Noon
Authors of EVEN numbered posters present from 2:00 to 4:00 PM

SCIENTIFIC AND CLINICAL EDUCATION PAPERS

These are short lectures with a question/answer period. Learn about the latest discoveries in the field!

Wednesday, November 12

8:00-10:00 AM  Myopia Mechanisms and Control, Room 201-203
8:00-10:00 AM  Anterior Segment/Contact Lens 1, Room 205-207
10:00 AM - Noon Anterior Segment/Contact Lens 2, Room 205-207
10:30 AM - Noon  Binocular Vision, Room 201-203
2:00-3:30 PM  Optimizing the Use of Macular Thickness in Glaucoma, Room 201-203
2:00-4:00 PM  Visual Function, Room 205-207
4:00-5:00 PM  UV Exposure, Room 201-203
4:30-6:00 PM  Amblyopia, Room 205-207

Thursday, November 13

8:00-9:00 AM  Hot Topics: Tools for Improving Glaucoma Management, Mile High 1
8:00-9:00 AM  Hot Topics: Sensory Overload, Mile High 4
8:00-9:00 AM  Hot Topics: Dry Eye, Room 601-607
10:00 AM - Noon Breakthroughs in Posterior Segment Imaging, Room 201-203
10:30 AM - Noon Optometric Education, Room 205-207
1:30-3:30 PM  Anterior Segment/Contact Lens 3, Room 201-203
Friday, November 14

10:00 AM - Noon  Anterior Segment/Contact Lens 4, Room 205-207
10:30-11:30 AM  Does Trans-synaptic Degeneration Exist, Room 201-203
2:00-3:30 PM    Health Policy and Delivery, Room 201-203
2:00-3:00 PM    RGP Contact Lenses, Room 205-207

Saturday, November 14

8:30 AM - Noon  Anterior Segment/Contact Lens 5, Room 201-203
2:30-4:30 PM    Low Vision, Room 201-203

PLENARY SESSION

Today’s Research, Tomorrow’s Practice®: The Science of Cannabinoids: Medical Perils and Benefits
Four Seasons Ballroom
Wednesday, November 12    Noon to 2:00 PM

MONROE J. HIRSCH RESEARCH SYMPOSIUM

Mechanisms for Presbyopia Correction — Beyond Benjamin Franklin
Four Seasons Ballroom
Thursday, November 13    8:00 AM to 10:00 AM

EZELL FELLOWS PRESENT

A Sampler of Current Low Vision Research
Room 401-403
Friday, November 14    10:00 AM to Noon

RESIDENTS DAY PROGRAM

Saturday, November 15
Room 708-712

Paper Presentations  8:00 AM to Noon
Four Seasons Ballroom

Poster Presentations  1:30 PM to 3:30 PM

AWARDS PROGRAM LECTURES

Friday, November 14    8:00 AM to 10 AM
Four Seasons Ballroom
The moment your eyes keep up with your digital life.

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CONTINUING EDUCATION REQUIREMENTS

COPE APPROVAL - ALL CE, ALL THE TIME®!

COPE approval benefits Academy 2014 Denver registrants by guaranteeing that courses attended at the meeting will qualify for continuing education credit in most states. It is advised that attendees check with their state board office to clarify any special conditions attached to the acceptance. The Academy’s lectures, workshops, symposia, and special sessions are COPE and CE Broker (Florida) approved. The Scientific Program (papers and posters) has been submitted to state boards for approval.

CONTINUING EDUCATION (CE) GUIDELINES

CE TRACKING

- You should have received a sheet of barcode labels in your registration packet. Each barcode is the same and represents your badge number.
- You will be handed pre-populated verification forms for each course. Please place your barcode label on the form in the space indicated. At the conclusion of the course, please give the portion of the verification form with the barcode on it to the CE monitors, and retain the verification stub for your records.

For all lectures, workshops, symposia and special sessions (fixed credit)

- Anyone entering after the 10-minute grace period will NOT receive a verification form; you are welcome to enter the room for personal enrichment, but no credit will be awarded.
- Anyone leaving before the course is over and attempting to turn in the verification stub will be informed that credit will not be given.
- One hour of continuing education credit will not be given to attendees who attend only one hour of a two-or three-hour lecture or workshop. Two hours of continuing education will not be given to attendees who attend only two hours of a three-hour workshop.
For papers and posters (variable credit)

You will receive a blank evaluation form with spaces where the monitors will enter the times in and out, and a verification form where you can keep track of your own times. If you are planning to re-enter (as is common, especially with papers), please keep the evaluation form and turn it in once you are finished in that particular session. Each entry and exit will receive a time stamp (even for restroom breaks).

Only two hours of CE credit for poster sessions will be granted each day. Credit for the Scientific Program (papers and posters) is accumulated in 15-minute segments throughout each day. Reporting of attendance to state boards, if required, is the individual's responsibility unless state law or regulations indicate otherwise.

How will I receive my CE certificate?

Following the meeting, a link will be emailed to you to print your CE certificate at your leisure. The email address you provided when registering will be used.

How will my credits be transferred to the OE Tracker database?

After the meeting, the credits for those doctors who had provided their OE Tracker numbers will be sent to ARBO, and the data will be uploaded to their records at www.arbo.org.

How will my credits be transferred to the CE Broker database?

After the meeting, the credits for those doctors who had provided us with their Florida license numbers will be uploaded to CE Broker.

Can I get CE credit for poster sessions?

Yes! You accrue the credits in 15 minute increments. These will be calculated based on entry and exit times.
Are paper sessions approved for CE credit?

Definitely! You can attend the Scientific Program sessions and accrue credits in 15 minute increments.

How do I take Continuing Education with Examination (CEE)?

CEE courses will be presented all four days. Email and mail-in forms to request exams from the Illinois College of Optometry will be available at the Education Desk in the convention center.

LECTURES OFFERED AS CEE

Wednesday, November 12, 2014______________________________

8:00 AM A Logical Approach to Differential Diagnosis of Peri-orbital Skin Lesions
Thomas F. Freddo, OD, PhD, FAAO

10:00 AM Eyes That Dance and Eyes That Can’t
Richard London, MA, OD, FAAO

2:00 PM The Many Faces of Multiple Sclerosis
Patricia A. Modica, OD, FAAO, Kelly A. Malloy, OD, FAAO

3:00 PM Optic Nerve: Edema, Itis, Opathy
Denise Goodwin, OD, FAAO

Thursday, November 13, 2014________________________________

10:00 AM Laser Procedures for the Management of Glaucoma and More
Nathan R. Lighthizer, OD, FAAO

1:30 PM Systemic Evaluation of the Red Eye
Thomas Freddo, OD, PhD, FAAO

2:30 PM Controversies in Nutrition: Sorting Through the Literature
Kimberly K. Reed, OD, FAAO
3:30 PM  New Contact Lens Surgical and Medical Management Options for Keratoconus
Timothy B. Edrington, OD, MS, FAAO,
Pam T. Satjawatcharaphong, OD, FAAO

Friday, November 14, 2014

8:00 AM  Diabetes Nation: Where Are We and Where Do We Go From Here?
A. Paul Chous, MA, OD, FAAO, Jeffry Gerson, OD, FAAO

9:00 AM  Critical Assessment of the Optic Nerve in Glaucoma
Elliot M. Kirstein, OD, FAAO

10:00 AM  The Complete Management of the Corneal Collagen Crosslinking (CXL) Patient
Susan J. Gromacki, OD, MS, FAAO, Andrew S. Morgenstern, OD, FAAO

2:00 PM  Genetics in Posterior Segment Disease
Sherry J. Bass, OD, FAAO, Jerome Sherman, OD, FAAO, Jerry Rapp, PhD

3:00 PM  Visual Fields: An Interactive Approach
Kelly H. Thomann, OD, FAAO, Nancy N. Wong, OD, PhD, FAAO

Saturday, November 15, 2014

9:00 AM  Neuro Grand Rounds - How to Rule Out a Cranial Nerve Palsy
Kelly A. Malloy, OD, FAAO

10:00 AM  Diabetes and the Eye: What We Must Know
William D. Townsend, OD, FAAO

12:30 PM  From Outdated to Updated: A Review of Important Clinical Trials in Ocular Disease from 2014
Anthony DeWilde, OD, FAAO

2:30 PM  Corneal Infections from A to Z (Acanthamoeba to Zoster)
Joseph P. Shovlin, OD, FAAO, Michael D. DePaolis, OD, FAAO
PHOTOGRAPHY OR RECORDING

Unauthorized recording of all educational presentations at the annual meeting of the American Academy of Optometry (AAO) is prohibited, whether by video, still or digital photography, cell phone, audio or any other recording or reproduction mechanism. This includes recording of presentations and supporting audio-visual materials, poster presentations and supporting poster materials. The AAO reserves the rights to all recordings or reproductions of presentations at AAO annual meetings, including audio-recording of lectures with speaker consent and photographs taken by the official AAO contracted photographer.

Look for more information after the meeting about the availability of lecture audio for purchase.

EDUCATION SESSION KEY

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<td>AS</td>
<td>Treatment &amp; Management of Ocular Disease: Anterior Segment</td>
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<td>BV</td>
<td>Binocular Vision/Pediatrics</td>
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<td>CEE</td>
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<td>Workshop</td>
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Every effort has been made to ensure the accuracy of this Education Guide; however, the American Academy of Optometry cannot be held responsible for any errors or omissions.
Thank you to our 2014 education sponsors!

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PRIMARY CARE OPTOMETRY NEWS

REVIEW OF OPTOMETRY

As of September 30, 2014
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Academy 2014 Denver attendees can use the EyeMAP™ program to create and manage your personal schedule during the meeting. EyeMAP™ allows you to:

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• Add sessions and personal appointments to your schedule
• Access session handouts before and during the meeting
• Complete session evaluations
• Find information about the city of Denver
• Locate exhibitors in the Exhibit Hall

EyeMAP™ can be accessed online using your computer, smartphone or tablet (no app download required). Please log in using the same username and password combination you used to register for the meeting.

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150+ INDUSTRY-FOCUSED exhibiting companies
Broad VARIETY of products and services
Three FOOD & BEVERAGE events!

Enter the most comprehensive assembly of optometry-related exhibitors by visiting our Exhibit Hall located on the Exhibit Level of the convention center. Stop by your favorites among more than 150 exhibiting companies with representatives ready to demonstrate their latest products and services. In addition, all offer information on the most advanced equipment, supplies, and services for your practice. Take full advantage of all three exhibit days to build your industry contacts, discover new sources, and learn what companies in the optometric field are accomplishing!

Tips for Navigating through the Hall
• Bring your business cards!
• Look at the “You are Here” kiosk upon entering the hall – this will help you get a birds-eye view of the entire hall.
• Spend a few minutes with vendors you might not think have products or services to meet your needs. You could be pleasantly surprised!

What happens on Wednesday evening?
Wednesday evening is our Attendee Welcome Reception! This reception is especially for you! The Exhibit Hall opens at 5:00 pm as the Academy welcomes you to Denver with yummy food, refreshments and networking throughout the entire hall.

Tell me more about how exhibitors participate in the annual meeting.
Many of the exhibitors are corporate partners of the Academy. They support the Academy throughout the entire year in different ways, including financial support of education, student travel fellowships, AOF, and much, much more. Their primary purpose in the Exhibit Hall is to share their products and services with our attendees. The Academy appreciates the tremendous financial support that these companies provide.

Talk to me about lunch.
The Academy has provided each registered attendee with two lunch vouchers. One can be used on Thursday and one can be used on Friday. The value of these vouchers is enough to provide you with a full lunch and beverage! The Academy has taken great measures to ensure all attendees have time to grab a bite to eat, network with peers and meet with the exhibitors.

Exhibit Hall Hours

**Wednesday, Nov. 12**
5:00 p.m. – 7:30 p.m.

**Thursday, Nov. 13**
11:00 a.m. – 5:00 p.m.
Special Students Only Hours
9:00 – 11:00 a.m.

**Friday, Nov. 14**
11:00 a.m. – 3:00 p.m.
## Wednesday, November 12

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<tr>
<th>Time</th>
<th>Location</th>
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| 8:00 AM 2 hours | Mile High Ballroom 1  | **AS-01** A Logical Approach to Differential Diagnosis of Peri-orbital Skin Lesions  
CEE Thomas F. Freddo, OD, PhD, FAAO  
COPE ID: 41229-AS |
| 8:00 AM 1 hour  | Mile High Ballroom 2-3 | **OP-01** Practical Pharmacology: Our Favorite Medications  
Jeffrey R. Varanelli, OD, FAAO, Nicholas Colatrella, OD, FAAO  
COPE ID: 35198-PH |
| 8:00 AM 2 hours | Mile High Ballroom 4  | **SE-02A** OGS/AAO Joint Symposium: Advances in Structure/Function Assessment in Glaucoma  
Lessons Learned from Imaging Techniques  
Don Hood, MSc, PhD, Columbus University  
Lessons Learned from Perimetric Techniques  
William Swanson, PhD, Indiana University  
Bringing Structure and Function Together for Clinical Management  
David (Ted) Garway-Heath, MD, FRCOphth, Moorsfield Eye Hospital  
COPE ID: 42492-GL |
| 8:00 AM 2 hours | Room 201-203           | **P-01** Papers: Myopia Mechanisms and Control  
Moderators: Christine Wildsoet, PhD, FAAO, and David A. Berntsen, OD, PhD, FAAO  
**8:00 AM. MYOPIA CONTROL: DOES IT WORK THE SAME FOR EVERYONE? (140001)**  
Noel A. Brennan, OD, PhD, FAAO, Xu Cheng, MD, PhD, Khaled A. Chehab, MSE, Eric R Ritchey, OD, PhD, FAAO, Johnson & Johnson Vision Care, Inc. |
8:15 AM. THE EFFECT OF TIME OUTDOORS AND LIGHT EXPOSURE ON RED AND BLUE LIGHT-DRIVEN PUPIL RESPONSES (140002)
Shane Patrick Mulvihill, Patrick D. Shorter, OD, Andrew T. E. Hartwick, OD, PhD, FAAO, Donald O. Mutti, OD, PhD, FAAO, The Ohio State University College of Optometry

8:30 AM. DOSE-DEPENDENT INFLUENCE OF PERIPHERAL MYOPIC DEFOCUS ON REFRACTIVE ERROR IN YOUNG CHICKS (140105)
Pauline Kang, BOptom, PhD, FAAO, Diane Nava, Kai Wang, MD, PhD, Christine Wildsoet, OD, PhD, FAAO, University of California Berkeley, School of Optometry

8:45 AM. MYOPIA PROGRESSION CONTROL (MPC) LENS DESIGN REVERSES PREVIOUSLY INDUCED MYOPIA IN CHICKS (140003)
Elizabeth L. Irving, OD, PhD, Cristina Yakobchuk-Stanger, OD, University of Waterloo School of Optometry & Vision Science

9:00 AM. PERIPHERAL DEFOCUS WITH SPHERICAL SOFT CONTACT LENSES (140004)
Kelly E. Moore, David A. Berntsen, OD, PhD, FAAO, University of Houston College of Optometry

9:15 AM. ROLE OF INTERNAL ASTIGMATISM IN THE COMPENSATION OF CORNEAL ASTIGMATISM IN YOUNG ADULTS WITH AND WITHOUT MYOPIA (140005)
Ruth E. Manny, OD, PhD, FAAO, University of Houston College of Optometry, Li Deng, PhD, FAAO, Jane Gwiazda, PhD, FAAO, Erik Weissberg, OD, FAAO, New England College of Optometry, Mitchell Scheiman, OD, FCOVD, FAAO, Pennsylvania College of Optometry at Salus University, Leslie Hyman, PhD, Stony Brook, NY, Karen Fern, OD, FAAO, University of Houston College of Optometry

9:30 AM. RETINAL PROFILES FOR MYOPES AND EMMETROPES USING SD OCT AND MONTAGING (140006)
Christopher A. Clark, OD, PhD, Ann E. Elsner, PhD, FAAO, Indiana University
9:45 AM. CONTROL: A 12 MONTH, RANDOMIZED BIFOCAL SOFT CONTACT LENS TRIAL TARGETING MYOPIA PROGRESSION (140007)
Thomas Aller, OD, Vision Cooperative Research Centre, Marie (Yue) Liu, OD, FAAO, Christine Wildsoet, PhD, FAAO, University of California Berkeley School of Optometry

8:00 AM 2 hours
Room 205-207
Papers: Anterior Segment/Contact Lens 1
Moderators: Meng C. Lin, OD, PhD, FAAO, and Kelly K. Nichols, OD, PhD, FAAO

8:00 AM. TEAR FILM CHANGES ASSOCIATED WITH EXPOSURE TO A LOW HUMIDITY ENVIRONMENT IN CONTACT LENS WEARERS (140008)
Katherine M. Bickle, OD, MS, The Ohio State University College of Optometry, Jason J. Nichols, OD, PhD, FAAO, University of Alabama Birmingham School of Optometry

8:15 AM. CHANGES IN CYTOKINE EXPRESSION FOR DRY-EYE AND NON-DRY EYE SUBJECTS EXPOSED TO A LOW HUMIDITY ENVIRONMENTAL EXPOSURE CHAMBER (140406)
Holly Lorentz, MSc, PhD, FAAO, David McCanna, PhD, Lakshman N. Subbaraman, PhD, BSOptom, FAAO, Lyndon W. Jones, PhD, FCOptom, FAAO, Centre for Contact Lens Research, University of Waterloo, Anne Marie Salapatek, MSc, PhD, Fiona Soong, Inflamax Research Inc.

8:30 AM. THE EFFECT OF TEAR COLLECTION AND PROCESSING ON THE TEAR FILM LIPIDOME (140009)
Mark Willcox, BSc(hons), PhD, FAAO, Simin Masoudi, Athira Rohit, BOptom, University of New South Wales College of Optometry and Vision Science, Simon Brown, PhD, University of Wollongong
8:45 AM. HOW DO BLINKING AND TEAR SECRETION RESPOND TO OCULAR SURFACE STIMULATION? (140010)
Ziwei Wu, PhD, Carolyn Begley, OD, MS, FAAO, Ping Situ, PhD, Jun Zhang, Arthur Bradley, PhD, Indiana University, Richard Braun, PhD, University of Delaware

9:00 AM. TEAR-LIPID THICKNESS VS. BIOPHYSICAL PROPERTIES: WHICH IS MORE IMPORTANT FOR TEAR-FILM STABILITY? (140011)
Meng C. Lin, OD, PhD, FAAO, Tatyana F. Svitova, PhD, Thao N. Yeh, OD, MPH, FAAO, Tiffany L. Yuen, OD, Yixiu Zhou, PhD, University of California Berkeley School of Optometry Clinical Research Center

9:15 AM. TEAR LIPID PEROXIDATION AND TEAR FILM MEASUREMENTS IN YOUNG NONSMokers AND CIGARETTE SMOKERS (140012)
Daniel R. Powell, OD, MS, PhD, The University of Houston College of Optometry, P. Ewen King-Smith, PhD, FAAO, Heather L. Chandler, PhD, FAAO, The Ohio State University

9:30 AM. TEMPORAL CHARACTERISTICS OF SODIUM FLUORESCEIN IN THE TEAR MENISCUS (140013)
Maria Markoulli, PhD, MOptom, GradCertOctTher, Nur Amalina, Md, Isa, MOptom, University of New South Wales School of Optometry and Vision Science, Eric B. Papas, PhD, MCoptom, FAAO, Brien Holden Vision Institute

8:00 AM 1 hour
Room 301-303
SD-02
Optometric Management of the New Plaquenil Screening Guidelines
Khadija S. Shahid, OD, FAAO
COPE ID: 41700-SD
8:00 AM 3 hours
LDR-01
Room 304
Fundamentals of Leadership I: What is Leadership?
Rick Weisbarth, OD, FAAO, David Kirschen, OD, PhD, FAAO, Muriel Schornack, OD, FAAO, Ray Pasko, MBA, Lindsay Sicks, OD, FAAO, Harue J. Marsden, OD, MS, FAAO, Julie Schornack, OD, MEd, FAAO
COPE ID: 42493-PM

8:00 AM 1 hour
LV-01
Room 401-403
The Implantable Miniature Telescope for End-Stage AMD: Current Updates Related to Optometry
Rebecca L. Kammer, OD, FAAO
COPE ID: 41745-LV

8:00 AM 1 hour
GR-01
Room 405-407
Ellerbrock Presents: Grand Rounds I
Moderator: Gerald Selvin, OD, FAAO
A Knot to a Lymphoma?!
Deepa Chandrasekaran, OD, MS, FAAO
Heerfordt Syndrome: A Rare Manifestation of Neurosarcoidosis
Naida Jakirlic, BS, OD
A Very Complicated Red Eye: Managing Scleritis
Cayla Picklyk, OD
COPE ID: 41504-GO

8:00 AM 1 hour
BV-01
Room 501-503
Special Populations: Tips and Pearls to Evaluate and Treat
Catherine L. Heyman, OD, FCOVD, FAAO
COPE ID: 41203-FV

8:00 AM 1 hour
PH-01
Room 505-507
Catching up on Falls: Vision and Falls in Older Adults and the Optometrist’s Role
Susan J. Leat, PhD, FCOptom, FAAO
COPE ID: 41524-PB
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<td><strong>Scleral Lens Troubleshooting and Complications Management</strong></td>
<td>Stephen P. Byrnes, OD, FAAO, Michael A. Ward, MMSc, FAAO</td>
<td>41336-CL</td>
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<td>9:00 AM</td>
<td>Mile High 2-3</td>
<td><strong>The Seven Habits of Effective Uveitis Management</strong></td>
<td>Paul M. Karpecki, OD, FAAO</td>
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<td><strong>STDs and the Eye</strong></td>
<td>Susan Kovacich, OD, FAAO</td>
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<td>Judith E. Goldstein, OD, FAAO</td>
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<td>9:00 AM</td>
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<td><strong>Ellerbrock Presents: Grand Rounds II</strong></td>
<td>Moderator: Gerald Selvin, OD, FAAO</td>
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<td><em>Unilateral Peripheral Corneal Ectasia Following Bell’s Palsy</em></td>
<td>Laura Elizabeth Downie, BOptom, PhD(Melb), FAAO</td>
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<td><em>A Case of Recalcitrant Conjunctivitis</em></td>
<td>Erich A. Hinel, OD, MS</td>
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<td><em>A Unique Case of Viral Infection Leading to Neurotrophic Cornea</em></td>
<td>Langis Michaud, OD, FAAO</td>
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<td>9:00 AM</td>
<td>Room 501-503</td>
<td><strong>Management of Nearpoint Vergence Disorders</strong></td>
<td>Kelly A. Frantz, OD, FCVOVD, FAAO</td>
<td>41222-FV</td>
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</tbody>
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**WEDNESDAY, NOVEMBER 12**
9:00 AM 1 hour
PO-01
Co-Management of Premium IOL Patients: Pearls for Maximizing Patient Satisfaction and Surgical Outcomes
Josh K. Johnston, OD, FAAO
COPE ID: 41530-PO

9:00 AM 1 hour
CL-02
Corneal Oxygen 2014
Barry A. Weissman, OD, PhD. FAAO
COPE ID: 41345-CL

10:00 AM 2 hours
SS-01
Neuro-Ophthalmic Disorders in Optometry SIG Symposium: 2014 Lawrence Gray Symposium in Neuro-Ophthalmic Disorders
The Neuro-Ophthalmology of Concussion
Leonard V. Messner, OD, FAAO
Neuromyelitis Optics: Expanding the Diagnosis of Optic Neuritis
Jeffrey Bennett, MD, PhD
The Role of Vision in Walking and Neurodegenerative Diseases
Victoria Pelak, MD
COPE ID: 42346-NO

10:00 AM 2 hours
PS-01
AMD from A to Z
Kimberly K. Reed, OD, FAAO
COPE ID: 41542-PS
10:00 AM 2 hours Mile High Ballroom 4
SE-02B **OGS/AAO Joint Symposium: New Ideas in Glaucoma**

*Cataract Surgery: the New Glaucoma Surgery?*
Steven Mansberger, MD, MPH, Devers Eye Institute

*Novel Measures of Visual Performance in Glaucoma*
Allison Maree McKendrick, MSc, PhD, Melbourne University

*Motivational Interviewing for Glaucoma Medication Adherence*
Paul Cook, PhD, University of Colorado Denver
COPE ID: 42866-GL

10:00 AM 2 hours Room 107
WK-02 **Basic to Intermediate Vision Therapy Techniques Workshop**
Melissa K. Sigler, OD, Christine L. Allison, OD, FCOVD, FAAO
COPE ID: 41739-FV

10:00 AM 2 hours Room 109
WK-01 **Getting a Better View of the Fundus**
Caroline B. Pate, OD, FAAO, Elizabeth A. Steele, OD, FAAO
COPE ID: 39288-PS

10:00 AM 2 hours Room 205-207
P-03 **Papers: Anterior Segment/Contact Lens 2**
Moderators: Nancy A. McNamara, OD, FAAO, and Lakshman N. Subbaraman, PhD, MSc, FAAO

10:00 AM. **DIFFERENTIAL PROFILING OF INFLAMMATORY CYTOKINES AS MEASURED BY QUANTITATIVE MICROARRAY ACROSS DRY EYE SUBGROUPS (140014)**
Jillian F. Meadows, OD, MS, FAAO, Karen Dionne, MS, The Ocular Surface Institute, University of Houston, Kelly K. Nichols, OD, PhD, FAAO, University of Alabama at Birmingham School of Optometry
10:15 AM. **LYVE-1 MODULATES INFLAMMATORY CORNEAL LYMPHANGIOGENESIS** (140015)
Tan Ngoc Truong, OD, MPH, University of California - Berkeley School of Optometry, Eric Huang, University of California Berkeley School of Optometry, Jung Huang, PhD, Saint Louis University School of Medicine, Lu Chen, MD, PhD, University of California Berkeley School of Optometry

10:30 AM. **VALIDATION OF A CYTOMETRIC BEAD-BASED IMMUNOASSAY FOR TEAR IL-8 AND IP-10** (140016)
My Tho Karin Tran, OD, MS, Roderick J. Fullard, OD, PhD, FARVO, University of Alabama Birmingham School of Optometry

10:45 AM. **ESTABLISHING PAX6 AS A BIOMARKER TO DETECT EARLY LOSS OF OCULAR PHENOTYPE IN HUMAN PATIENTS WITH SJÖGREN’S SYNDROME** (140017)
Nancy A. McNamara, OD, PhD, University of California, Berkeley, School of Optometry, Marianne Gallup, MS, University of California, San Francisco, F.I. Proctor Foundation

11:00 AM. **THE ROLE OF TOLL-LIKE RECEPTORS AND ENDOGENOUS LIGANDS IN DRY EYE INFLAMMATION** (140018)
Carissa Lumby, BS, Carolina Lema, PhD, Rachel Redfern, OD, PhD, FAAO, University of Houston College of Optometry

11:15 AM. **VITAMIN D DECREASES IL-8 EXPRESSION AFTER INDUCTION OF INFLAMMATION AND INFLUENCES GENE EXPRESSION IN HUMAN CORNEAL EPITHELIAL CELLS** (140019)
Rose Y. Reins, PhD, Alison Marie McDermott, PhD, Hasna Badouri, University of Houston College of Optometry
11:30 AM. IN VIVO ASSESSMENT OF INFLAMMATORY CELLS IN CONTACT LENS WEARERS (140109)
Yahya Ahmed Alzahrani, BScOptom, MScOptom, Luisa Holguin, Nicola Pritchard, PhD, MCOptom, FAAO, Nathan Efron, BScOptom, PhD, FAAO, Queensland University of Technology

10:00 AM 2 hours
Room 301-303
OP-02
When a Drop Is Just Not Enough; Oral Medications in Primary Care Optometry
Carl H. Spear, OD, FAAO
COPE ID: 40215-OP

10:00 AM 2 hours
Room 401-403
LV-03
Assessment of Low Vision and Predicting Vision Functionality
Ian L. Bailey, OD, DSc, FAAO
COPE ID: 41467-LV

10:00 AM 2 hours
Room 405-407
SS-03
Anterior Segment Section Symposium: MGD: The Science Under the Glands
Moderator: Walt Whitley, OD, MBA, FAAO
Panelists: Donald R. Korb, OD, FAAO, Barry Eiden, OD, FAAO, Amber Gaume Giannoni, OD, FAAO, Caroline A. Blackie, OD, PhD, FAAO
COPE ID: 41933-AS

10:00 AM 2 hours
Room 501-503
BV-03
Eyes That Dance and Eyes That Can't
Richard London, MA, OD, FAAO
COPE ID: 41227-FV
10:00 AM 2 hours  Room 505-507
SS-02  Optometric Education Section Symposium: Point/Counter Point: Does Presentation Style Make a Difference in Outcomes? (Do Different Learning Styles Exist?)
Jill Clutter, PhD, Robert Bjork, PhD
COPE ID: 42600-GO

10:00 AM 2 hours  Room 601-607
CL-03  Contact Lens Treatments for Myopia Control: Emerging Evidence Based Practices
Kathryn Richdale, OD, PhD, FAAO, David Troilo, PhD, FAAO, FARVO
COPE ID: 41346-CL

10:30 AM 1.5 hours  Room 201-203
P-04  Papers: Binocular Vision
Moderators: Elise Harb, OD, MSc, FAAO, and Cristina Llerena, OD, FAAO

10:30 AM. KING-DEVICK TEST-RETEST RELIABILITY OF YOUNG PARTICIPANTS IN THE 2013 AAU JUNIOR OLYMPIC GAMES (140027)
Valeriya Smolyansky, OD, Steven A. Hitzeman, OD, FAAO, Indiana University School of Optometry, Stephen A. Beckerman, OD, FAAO, Illinois College of Optometry

10:45 AM. THE RATIO OF ACCOMMODATIVE RESPONSE TO ACCOMMODATIVE DEMAND IN RELATION TO STIMULUS CLARITY IN CHILDREN AND PRE-PRESBYOPIC ADULTS (140028)
Tawna L. Roberts, OD, MS, FAAO, University of Houston College of Optometry, Karla K. Stuebing, PhD, University of Houston TIMES Institute, Heather A. Anderson, OD, PhD, FAAO, University of Houston College of Optometry
11:00 AM. **ACCOMMODATION VARIABILITY PREDICTS READING SPEED (140106)**
Kendall Holler, MA, Stefanie Drew, PhD, California State University, Northridge, Amy Escobar, PhD, 2U Inc., Eric Borsting, OD, FAAO, Lawrence Stark, PhD, FAAO, Marshall B. Ketchum University, Southern California College of Optometry, Chunming Liu, OD, PhD, Chris Chase, PhD, FAAO, Western University of Health Sciences

11:15 AM. **OCULOMOTOR TRAINING IMPROVES READING FLUENCY (140029)**
Benjamin Christopher Winters, OD, FCOVD, Washington Vision Therapy Center

11:30 AM. **SCHIZOPHRENIA AND DYSFUNCTIONAL CEREBELLAR OCULAR MOTOR CONTROL (140105)**
Bryan Tien Tao Redick, Sports Vision Lab, Indiana University School of Optometry, Nicholas Port, PhD, Indiana University School of Optometry, Josselyn Howell, DA, Daniel Westfall, DA, Laura D. Carter Memorial Hospital, Amanda Bolbecker, PhD, Indiana University Dept. of Brain & Psychological Sciences, Brian O’Donnell, PhD, William Hetrick, PhD, Indiana University Program in Neuroscience

11:45 AM. **ACCOMMODATIVE PERFORMANCE OF THE UNI OCULAR VISUAL SYSTEM (140106)**
Shrikant Bharadwaj, BSopt, PhD, Geetha Sravani Nakka, BSopt, L V Prasad Eye Institute

12:00 PM 2 hours
**Four Seasons Ballroom**
**Plenary Session**
**Today’s Research, Tomorrow’s Practice®: The Science of Cannabinoids: Medical Perils and Benefits**
Prakash Nagarkatti, PhD, Staci Gruber, PhD, Allan J. Flach, MD, PharmD
COPE ID: 42362-PB
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Presentation Title</th>
<th>Speakers</th>
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<tr>
<td>2:00 PM 2 hours</td>
<td>Mile High Ballroom 1</td>
<td>The Many Faces of Multiple Sclerosis</td>
<td>Patricia A. Modica, OD, FAAO, Kelly A. Malloy, OD, FAAO</td>
<td>41214-SD</td>
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<td>2:00 PM 1 hour</td>
<td>Mile High Ballroom 2-3</td>
<td>Ectropion-Entropion: A Tale of a Lax Lid</td>
<td>Leonid Skorin, OD, DO, FAAO</td>
<td>41173-AS</td>
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<tr>
<td>2:00 PM 2 hours</td>
<td>Mile High Ballroom 4</td>
<td>Lab Testing: The Basics</td>
<td>Blair B. Lonsberry, OD, MEd, FAAO</td>
<td>41553-SD</td>
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<td>2:00 PM 3 hours</td>
<td>Room 107</td>
<td>Public Speaking Workshop</td>
<td>Diane T. Adamczyk, OD, FAAO</td>
<td>No Credit</td>
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<tr>
<td>2:00 PM 3 hours</td>
<td>Room 109</td>
<td>Fitting GP Contact Lenses Beyond the Limbus</td>
<td>Stephen P. Byrnes, OD, FAAO, Ronald K. Watanabe, OD, FAAO</td>
<td>37778-CL</td>
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<tr>
<td>2:00 PM 1.5 hours</td>
<td>Room 201-203</td>
<td>Papers: Optimizing the Use of Macular Thickness in Glaucoma</td>
<td>Moderators: William H. Swanson, PhD, FAAO, and Melanie Akau, OD, FAAO</td>
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<td><strong>Keynote:</strong> Optimizing the Use of Macular Thickness in Glaucoma</td>
<td>William H. Swanson</td>
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<td>2:30 PM</td>
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<td><strong>IMPROVING ASYMMETRY ANALYSIS FOR DETECTING GLAUCOMATOUS DAMAGE TO THE MACULA (140030)</strong></td>
<td>Muhammed S. Alluwimi, MS, Brett J. King, OD, William H. Swanson, PhD, FAAO, Indiana University School of Optometry</td>
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</table>
2:45 PM. DOES STRUCTURAL ASYMMETRY CORRESPOND WITH FUNCTIONAL ASYMMETRY IN GLAUCOMA SUSPECTS? (140031)
Ellen M. Beebe, OD, Michael Sullivan-Mee, OD, FAAO, Denise Pensyl, OD, MS, FAAO, Albuquerque VA Medical Center

3:00 PM. REPEATABILITY AND REPRODUCIBILITY OF INTER- AND INTRA-EYE MACULAR THICKNESS ASYMMETRY (140032)
Theresa Q. Nguyen, OD, Michael Sullivan-Mee, OD, FAAO, Denise Pensyl, OD, MS, FAAO, Albuquerque VA Medical Center

3:15 PM. RATE OF LONGITUDINAL MACULAR THICKNESS SYMMETRY CHANGE IN EYES WITH AND WITHOUT GLAUCOMA (140033)
Jason Koschmeder, OD, Michael Sullivan-Mee, OD, FAAO, Denise Pensyl, MS, OD, FAAO, Albuquerque VA Medical Center

2:00 PM 2 hours
Room 205-207
P-06
Papers: Visual Function
Moderators: Michael Kalloniatis, PhD, and Ava K. Bittner, OD, PhD, FAAO

2:00 PM. SPATIAL SUMMATION USING STANDARD AUTOMATED PERIMETRY: IMPLICATIONS IN EARLY DETECTION OF EYE DISEASE (140020)
Michael Kalloniatis, MScOpt, PhD, Sieu Khuu, PhD, School of Optometry and Vision Science, University of New South Wales

2:15 PM. A NOVEL CLOCK DIAL FORMAT FOR VISUAL ACUITY TESTING (140021)
Lewis N. Reich, OD, PhD, FAAO, Southern College of Optometry, Deborah Wohl, Washington University
2:30 PM. **VISUAL IMAGE QUALITY WITH OBJECTIVE VS SUBJECTIVE SPECTACLES IN KERATOCONUS (140022)**
Jason D. Marsack, PhD, Heather A. Anderson, OD, PhD, FAAO, University of Houston College of Optometry, Jos J. Rozema, PhD, Antwerp University Hospital, Department of Ophthalmology, Ayeswarya Ravikumar, BSOptom, Raymond A. Applegate, OD, PhD, FAAO, University of Houston, College of Optometry

2:45 PM. **PSYCHOPHYSICAL ASSESSMENT OF YELLOW-BLUE CHROMATIC SENSITIVITY IMPROVE DETECTION RATES OF AGE-RELATED MACULAR DEGENERATION (140023)**
Matilda Biba, PhD, Anglia Ruskin University

3:00 PM. **NEGATIVE THOUGHTS (CATASTROPHIZING) DURING KINETIC AND STATIC THRESHOLD VISUAL FIELDS AND TEST-RETEST VARIABILITY IN PATIENTS WITH INHERITED RETINAL DISEASES (140024)**
Ava K. Bittner, OD, PhD, FAAO, NOVA Southeastern University College of Optometry, Gislin Dagnelie, PhD, FAAO, Johns Hopkins Wilmer Eye Institute, David G. Birch, PhD, Retina Foundation of the Southwest, Robert K. Koenekoop, MD, PhD, Leah M. Wood, MSc, McGill University Health Centre, Claire S. Barnes, PhD, VA Palo Alto HCS, Ronald Schuchard, PhD, Stanford University

3:15 PM. **ASSESSMENT OF IPRGC-MEDIATED PUPIL CONSTRICTION IN PHOTOPHOBIC INDIVIDUALS WITH TRAUMATIC BRAIN INJURY (140025)**
Phillip Yuhas, OD, MS, Patrick D. Shorter, OD, Catherine McDaniel, OD, MS, FAAO, Michael Earley, OD, PhD, FAAO, Andrew T. E. Hartwick, OD, PhD, FAAO, The Ohio State University College of Optometry
3:30 PM. DETECTION OF EARLY MACULAR FUNCTIONAL CHANGES USING SLOW DOUBLE-STIMULATION MFERG PARADIGM (140107)
Ho Yin Wong, Man Pan Chin, BSc(Hons)Optom, Cheuk Wing Lee, BSc(Hons)Optom, Mei Yan Yung, BSc(Hons)Optom, Henry Ho-Lung Chan, PhD, FAAO, School of Optometry, The Hong Kong Polytechnic University

3:45 PM. AMPLIFICATION OF WEAK STIMULI IN VISION: LESSONS FROM RATTLESNAKES, CATS AND HUMANS (140026)
Vincent A. Billock, PhD, FAAO, The Ohio State University College of Optometry

2:00 PM 1 hour
Room 301-303
NO-01
The Neuro-Ophthalmology of Concussion 2014 Update
Danielle Leong, OD, FAAO, Leonard V. Messner, OD, FAAO
COPE ID: 41475-NO

2:00 PM 2 hours
Room 304
SS-05
Academic Medical Center Optometrists SIG Symposium: Issues at Academic Medical Centers
Teaching Clinical Refraction and Ophthalmic Optics to Ophthalmology Residents
David Guyton, MD
Relative Value Units, Optometry Compensation and the Impact of ACA
Thomas Becker
COPE ID: Pending

2:00 PM 1 hour
Room 401-403
LV-04
Visual Disability: Cases from the Gray Areas
Judith E. Goldstein, OD, FAAO, Alexis G. Malkin, OD, FAAO, Tiffany L. Chan, OD, FAAO
COPE ID: 41457-LV
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<tr>
<td>2:00 PM</td>
<td>3 hours</td>
<td>Room 405-407</td>
<td>Public Health &amp; Environmental Vision Section Symposium: Is There a Place for Prevention and Providers in Optometric Practice in an Era of ACA? (Symposium 2-4 PM, Awards lecture, 4-5 PM) Debbie L. Hettler, OD, MPH, FAAO, Larry Wolk, MD, Adam Atherly, PhD, Michele Lueck, Judy Zerzan, MD, MPH, Bob Doyle COPE ID: Pending</td>
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<tr>
<td>2:00 PM</td>
<td>2 hours</td>
<td>Room 501-503</td>
<td>Sports Vision Grand Rounds Graham B. Erickson, OD, FCOVD, FAAO, Fraser C. Horn, OD, FAAO COPE ID: 41223-FV</td>
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<td>2:00 PM</td>
<td>1 hour</td>
<td>Room 505-507</td>
<td>Choroidal OCT Imaging: Current Concepts &amp; Clinical Applications Scott A. Anthony, OD, FAAO COPE ID: 41543-PS</td>
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<td>2:00 PM</td>
<td>1 hour</td>
<td>Room 601-607</td>
<td>Understanding Eye Shape Patrick J. Caroline, FAAO, Randy Kojima, FOAA, FAAO COPE ID: 41351-CL</td>
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<td>3:00 PM</td>
<td>2 hours</td>
<td>Mile High Ballroom 2-3</td>
<td>Optic Nerve: Edema, Itis, Opathy Denise Goodwin, OD, FAAO COPE ID: 41220-PS</td>
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<td>3:00 PM</td>
<td>2 hours</td>
<td>Room 301-303</td>
<td>Ocular Tumor Update: Managing on the Front Lines Colleen M. Cebulla, MD, PhD COPE ID: 41557-PS</td>
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3:00 PM 1 hour  
**SD-06**  
Room 401-403  
**HIV/AIDS and the Eye: Epidemics Endemics and Syndemics**  
Lorne Yudcovitch, OD, MS, FAAO, James Kundart, OD, MEd, FAAO  
COPE ID: 41554-SD

3:00 PM 2 hours  
**JP-01**  
Room 505-507  
**Florida Jurisprudence**  
Joseph W. Sowka, OD, FAAO, Barry J. Frauens, OD, FAAO  
COPE ID: 41445-EJ

3:00 PM 1 hour  
**CL-05**  
Room 601-607  
**Beyond the Corneal Borders**  
Lynette K. Johns, OD, FAAO, Eef van der Worp, PhD, FIACLE, FAAO  
COPE ID: 41352-CL

4:00 PM 1 hour  
**OP-03**  
Mile High Ballroom 1  
**HSV Keratitis: Diagnosis Drug Resistance and New Directions**  
A. Mika Moy, OD, FAAO, Christina S. Wilmer, OD, FAAO  
COPE ID: 41478-OP

4:00 PM 1 hour  
**GL-01**  
Mile High Ballroom 4  
**Shining a New Light on the Macula: Its Emerging Role in Glaucoma**  
Michael Sullivan-Mee, OD, FAAO  
COPE ID: 41393-GL

4:00 PM 1 hour  
**P-07**  
Room 201-203  
**Papers: UV Exposure**  
Moderator: Jan Bergmanson, OD, PhD, FAAO

4:00 PM. **CONJUNCTIVAL ULTRAVIOLET AUTOFLUORESCENCE AND OCULAR SUN EXPOSURE (140034)**  
Kristina M. Haworth, OD, MS, FAAO, Heather L. Chandler, PhD, FAAO, The Ohio State University College of Optometry
4:15 PM. TO ESTABLISH WHETHER A SUN PROTECTION FACTOR (SPF) FOR CONTACT LENSES CAN BE DERIVED (140035)
James S. Wolffsohn, MBA, PhD, FAAO, Tom Drew, MEng, PhD, Ben Coldrick, MEng, PhD, Rachel Walsh, Hannah Bartlett, PhD, Aston University, Cristina M. Schnider, OD, MS, FAAO, Anna Sulley, Johnson & Johnson Vision Care

4:30 PM. WITH TRANSPARENT, CLOSED EYELIDS, WHAT PROTECTS THE SNAKE EYE FROM TOXIC SOLAR ULTRAVIOLET RADIATION? (140036)
Reyanna Elizabeth Inkster Henning, James Walsh, PhD, MAHSA University, Jan Bergmanson, OD, PhD, FAAO, Stefanie Bergmanson, Texas Eye Research and Technology Center, University of Houston College of Optometry

4:45 PM. THE BLUE LIGHT DOSE FROM FLUORESCENT LAMPS, LIGHT EMITTING DIODES AND COMPUTER SCREENS (140037)
Stephen John Dain, PhD, FAAO, FCOptom, University of New South Wales

4:00 PM 1 hour
GO-01
Room 401-403
Today’s Visual Demands: Yesterday’s Eye Exam
Mark Rosenfield, OD, PhD, FAAO
COPE ID: 41428-GO

4:00 PM 1 hour
BV-05
Room 501-503
Sports Concussions and Neuro-Optometric Management
Valerie Q. Wren, OD, FAAO
COPE ID: 41230-FV

4:00 PM 1 hour
CL-06
Room 601-607
Strategies for Improving Your Success with Multifocal Soft Contact Lenses
Mark P. Andre, FAAO
COPE ID: 41353-CL
4:30 PM. DICHOPTIC VARIED-CONTRAST STEREOPSIS TRAINING IMPROVES DISPARITY THRESHOLDS AND VISUAL ACUITY IN ADULT AMBLYOPES (140038)
Cristina Llerena Law, OD, FAAO, Benjamin T. Backus, PhD, SUNY College of Optometry

4:45 PM. EYETRONIX FLICKER GLASS (EFG) TREATMENT OF REFRACTIVE AMBLYOPIA (140039)
Bruce D. Moore, OD, FAAO, Fuensanta Vera-Diaz, OD, PhD, FAAO, Gayathri Srinivasan, OD, FAAO, New England College of Optometry, Eric Hussey, OD, Spokane, WA, David Spivey, OD, Catherine Johnson, OD, FAAO, Paulette Tattersall, DipPharm, MSc, New England College of Optometry, William J. Gleason, OD, Foresight Regulatory Strategies Inc.

5:00 PM. MAPPING OF PERIPHERAL SUPPRESSION IN AMBLYOPIA (140040)
Raiju Jacob Babu, BSOptom, MSc, PhD, University of Waterloo School of Optometry and Vision Science, Simon R. Clavagnier, PhD, McGill Vision Research, McGill University, William R. Bobier, OD, PhD, FAAO, Thompson Benjamin, PhD, University of Waterloo School of Optometry and Vision Science, Robert F. Hess, PhD, DSc, McGill Vision Research, McGill University

5:15 PM. THE MEASUREMENT OF SUPPRESSION IN THE VISUAL FIELD OF AMBLYOPES (140041)
Lisa Erin Steele, Benjamin T. Backus, PhD, SUNY College of Optometry
7:00 PM 2 hours
SS-06

Centennial Ballroom E (Hyatt)

**Low Vision Section Symposium: There’s Nothing Dry About Dry AMD: New Perspectives on an Old Problem**

Christine A. Curcio, PhD, R. Theodore Smith, MD, Greg R. Jackson, PhD, Dawn DeCarlo, OD, MS, FAAO

COPE ID: 42345-LV
Thursday, November 13, 2014

8:00 AM 2 hours  Four Seasons Ballroom
SE-03  
**Monroe J. Hirsch Research Symposium:**
Mechanisms of Presbyopia Correction – Beyond Benjamin Franklin

*Strategies for Surgical Management of Presbyopia*
Stephen McLeod, MD

*Extralenticular Aspects of Accommodation and Presbyopia*
Paul Kaufman, MD

*Imaging Technologies to Inspire, Design, and Evaluate Presbyopic Corrections*
Susana Marcos, PhD

COPE ID: 41972-FV

8:00 AM 1 hour  Mile High Ballroom 1
SE-06
**Hot Topics in Discovery: Tools for Improving Glaucoma**
Moderators: Michael Sullivan-Mee, OD, FAAO, and Mitchell W. Dul, OD, FAAO

COPE ID: Pending

8:00 AM. INFLUENCE OF OPTIC DISC SIZE AND NEURO-RETINAL RIM CONFIGURATION ON ACCURATE IDENTIFICATION OF GLAUCOMATOUS OPTIC NEUROPATHY (140100)
Gregory J. Nixon, OD, FAAO, The Ohio State University College of Optometry, Ronald K. Watanabe, OD, New England College of Optometry, Michael Sullivan-Mee, OD, FAAO, New Mexico VA Health Care System, Anthony P. DeWilde, OD, FAAO, Kansas City VA Medical Center, Lisa Young, OD, FAAO, Chicago Glaucoma Consultants, G. Lynn Mitchell, MAS, FAAO, The Ohio State University College of Optometry

8:15 AM. RATE OF RETINAL NERVE FIBER LAYER THICKNESS LOSS IN EYES WITH AND WITHOUT GLAUCOMA (140101)
Sandra Ruezga, OD, Michael Sullivan-Mee, OD, FAAO, Denise Pensyl, OD, MS, FAAO, New Mexico VA Health Care Systems, Albuquerque, NM
8:30 AM. DOUBLE-MASKED, RANDOMIZED, DOSE-RESPONSE STUDY OF AR-13324 OPHTHALMIC SOLUTION COMPARED TO LATANOPROST IN PATIENTS WITH ELEVATED INTRAOCULAR PRESSURE (140102)
Brian Levy, OD, MSc, FAAO, Casey Kopczynski, PhD, Aerie Pharmaceuticals, Gary Novack, PhD, Pharmalogic

8:00 AM 1 hour Mile High Ballroom 4
SE-07
Hot Topics in Discovery: Sensory Overload
Moderator: Andrew T. E. Hartwick, OD, PhD, FAAO
COPE ID: 42858-GO

8:00 AM. HANDS-FREE PHONE COMMUNICATION DECREASES THROUGHPUT ON COLOR AND LUMINANCE TASKS (140097)
Jeff C. Rabin, OD, PhD, FAAO, Timothy Bradshaw, Shawn Johnston, Alicia Chacon, Dennis Yu, University of the Incarnate Word Rosenberg School of Optometry

8:15 AM. ALTERED ADAPTATION OF THE PUPILLARY LIGHT REFLEX IN PHOTOPHOBIC INDIVIDUALS WITH TRAUMATIC BRAIN INJURY (140098)
Patrick D. Shorter, OD, Phillip Yuhas, OD, MSc, Catherine McDaniel, OD, FAAO, Michael Earley, OD, PhD, FAAO, Andrew T. E. Hartwick, OD, PhD, FAAO, The Ohio State University College of Optometry

8:30 AM. AGE-RELATED DIFFERENCES IN AUDIOVISUAL ADAPTATION (140099)
Michael Pianta, Yu Man Chan, BSc(Hons), Allison Maree McKendrick, BScOptom, MScOptom, PhD, University of Melbourne

8:00 AM 1 hour Room 601-607
SE-08
Hot Topics in Discovery: Dry Eye
Moderators: Sruthi Srinivasan, BSOptom, PhD, FAAO, and Charlotte Joslin, OD, PhD, FAAO
COPE ID: 42857-GO
8:00 AM. LIFITEGRAST OPHTHALMIC SOLUTION 5.0% VS PLACEBO FOR TREATMENT OF DRY EYE DISEASE: RESULTS OF A PHASE 3, RANDOMIZED, CONTROLLED TRIAL (OPUS-2) (140103)
Paul M. Karpecki, OD, FAAO, Koffler Vision Group, Joseph Tauber, MD, Tauber Eye Center, Aparna Raychaudhuri, PhD, Charles P. Semba, MD

8:15 AM. ANALYSIS OF LID WIPER EPITHELIOPATHY IN HABITUAL SOFT LENS WEARERS (140104)
Marc M. Schulze, PhD, Dipl Ing (AO), FAAO, Doerte Luensmann, PhD, Dipl Ing (AO), FAAO, University of Waterloo Centre for Contact Lens Research, Sheila B. Hickson-Curran, MCOptom, FAAO, Youssef Toubouti, MSc, Johnson & Johnson Vision Care, Inc., Stephanie M. Cox, OD, FAAO, Ocular Surface Institute, University of Houston, Andrew J. Plowright, MSc, Eurolens Research, University of Manchester, Jason J. Nichols, OD, PhD, FAAO, University of Alabama Birmingham School of Optometry, Philip B. Morgan, PhD, Eurolens Research, University of Manchester, Lyndon W. Jones, PhD, FCOptom, FAAO, University of Waterloo Centre for Contact Lens Research

8:30 AM. UNDERSTANDING OCULAR DISCOMFORT AND DRYNESS USING THE PAIN SENSITIVITY QUESTIONNAIRE (140105)
Wing (Eric) Y. Li, OD, FAAO, Andrew D. Graham, MA, Meng C. Lin, OD, PhD, FAAO, University of California Berkeley School of Optometry

8:00 AM 3 hours
Room 304
LDR-02

Fundamentals II: Putting Leadership Into Action
Karla Zadnik, OD, PhD, FAAO, Sally Dillehay, OD, EdD, FAAO, Imran Khan, OD, MPH, FAAO, Linda Casser, OD, FAAO
COPE ID: 42476-PM
9:00 AM 1 hour
GO-02
Mile High Ballroom 1
**Ocular Imaging: Recognizing What You See, Managing What You Diagnose, and Preventing Progression Through Patient Engagement**
Khadija S. Shahid, OD, FAAO, Bernard Szirth, PhD
COPE ID: 41441-GO

9:00 AM 2 hours
OP-04
Mile High Ballroom 2-3
**My Doc Told Me to Get an Eye Exam BECAUSE....**
Bruce E. Onofrey, RPH, OD, FAAO
COPE ID: 37212-PH

9:00 AM 1 hour
AS-03
Mile High Ballroom 4
**Sutureless Amniotic Membranes: When and How to Use Them**
Nicholas Colatrella, OD, FAAO, Jeffrey R. Varanelli, OD, FAAO
COPE ID: 36213-AS

9:00 AM 3 hours
WK-06
Room 107
**Hi-Tech Workshop in the Detection and Management of Glaucoma and Retinal Disease**
Sherry J. Bass, OD, FAAO, Jerome Sherman, OD, FAAO
COPE ID: 41635-GL

9:00 AM 1 hour
NO-03
Room 301-303
**Unfolding the Mysteries of Neurodegenerative Diseases: Taking a New Look**
Vondolee Delgado-Nixon, PhD, FAAO
COPE ID: 41474-NO

9:00 AM 1 hour
LV-05
Room 401-403
**Customizing the Reading Experience for the Low Vision Reader**
Guadalupe A. Mejia, OD, FAAO
COPE ID: 41593-LV

9:00 AM 2 hours
JP-02
Room 405-407
**Prevention of Medical Errors**
Joseph W. Sowka, OD, FAAO, Barry J. Frauens, OD, FAAO
COPE ID: 37871-EJ
<table>
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<tr>
<th>Time</th>
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<th>Session Title</th>
<th>Speaker(s)</th>
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<tr>
<td>9:00 AM 1 hour</td>
<td>Room 501-503</td>
<td><strong>Traumatic Brain Injury: Understanding TBI and Why It Matters to the Optometrist</strong></td>
<td>Jennifer A. Gustafson, OD, FAAO</td>
<td>41231-FV</td>
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<tr>
<td>9:00 AM 1 hour</td>
<td>Room 505-507</td>
<td><strong>Ellerbrock Presents: Grand Rounds III</strong></td>
<td>Gerald Selvin, OD, FAAO</td>
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<td><strong>Astrocytic Hamartoma: Case Study and Review</strong></td>
<td>Michael J. Yapp, BOptom (Hons), MOptom</td>
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<td><strong>Acute Corneal Hydrops in Post-LASIK Ectasia</strong></td>
<td>Sara N. Gaib, OD, FAAO</td>
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<td><strong>Posterior Lenticular Syndrome in a Patient with Marfan Syndrome Characteristics</strong></td>
<td>Lorne Yudcovitch, OD, MS, FAAO</td>
<td>41506-GO</td>
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<tr>
<td>9:00 AM 1 hour</td>
<td>Room 601-607</td>
<td><strong>Corneal Reshaping - Improving Patient Outcomes</strong></td>
<td>Bruce W. Morgan, OD, FAAO, Craig W. Norman, FCLSA</td>
<td>41354-CL</td>
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<tr>
<td>10:00 AM 2 hours</td>
<td>Mile High Ballroom 1</td>
<td><strong>Laser Procedures for the Management of Glaucoma and More</strong></td>
<td>Nathan R. Lighthizer, OD, FAAO</td>
<td>37919-GL</td>
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<tr>
<td>10:00 AM 2 hours</td>
<td>Mile High Ballroom 4</td>
<td><strong>Primary Care Section Symposium: Primary Care of the Posterior Segment</strong></td>
<td>Christopher Lievens, OD, MS, FAAO, Megan Hunter, OD, FAAO, Rex Ballinger, OD, FAAO, Blair B.</td>
<td>41799-PS</td>
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<td>10:00 AM</td>
<td>Room 102-106</td>
<td><strong>Evidence-Based Practice (EBP): More Than Meets the Eye</strong></td>
<td>Laura Elizabeth Downie, BOptom, PhD(Melb), FAAO, Peter R. Keller, BAppSc(Optom), MBA, PhD</td>
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<td>10:00 AM</td>
<td>Room 109</td>
<td><strong>Advanced Examination of the Retina: Scleral Indentation and Retinal 3-Mirror</strong></td>
<td>Meredith M. Whiteside, OD, FAAO, Nimesh Patel, OD, FAAO, John S. Shan, OD, FAAO</td>
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<td>COPE ID: 41586-PS</td>
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<td>10:00 AM</td>
<td>Room 201-203</td>
<td><strong>Papers: Breakthroughs in Posterior Segment Imaging</strong></td>
<td>Moderator: Michael D. Twa, OD, PhD, FAAO</td>
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<td>10:00 AM</td>
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<td><strong>COMPARISON OF CYSTS IN RED AND GREEN IMAGES FOR DIABETIC MACULAR EDEMA (140042)</strong></td>
<td>Mastour Alhamami, Ann E. Elsner, PhD, FAAO, Indiana University School of Optometry, Matthew S. Muller, MS, MBA, Aeon Imaging, Karthikeyan Baskaran, PhD, Thomas J. Gast, MD, PhD, Indiana University School of Optometry, Taras V. Litvin, OD, FAAO, Glen Y. Ozawa, OD, Jorge A. Cuadros, OD, University of California Berkeley School of Optometry, Bryan P. Haggerty, AA, Victor E. Malinovsky, OD, FAAO, Christopher A. Clark, OD, PhD, Shane G. Brahm, Stuart B. Young, Indiana University School of Optometry</td>
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<td>10:15 AM</td>
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<td><strong>IMAGING OF SPARSE PHOTORECEPTORS IN THE SCLERAL CRESCENT (140043)</strong></td>
<td>Ann E. Elsner, PhD, FAAO, Joel A. Papay, Brett J. King, OD, FAAO, Thomas J. Gast, MD, PhD, Lucie Sawides, PhD, Alberto de Castro, PhD, Stephen A. Burns, PhD, FAAO, Indiana University School of Optometry</td>
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10:30 AM. **COMPARISON OF INNER RETINAL THICKNESS OVER AND ADJACENT TO OUTER RETINAL TUBULATION (140044)**
Brett J. King, OD, FAAO, Ann E. Elsner, PhD, FAAO, Joel A. Papay, Christopher A. Clark, OD, PhD, Thomas J. Gast, MD, PhD, Kaitlyn A. Sapoznik, OD, Stephen A. Burns, PhD, FAAO, Indiana University School of Optometry

10:45 AM. **ENHANCED DEPTH IMAGING (EDI- OCT) HELPS DISTINGUISH CANCEROUS RETINAL AND CHOROIDAL LESIONS (140045)**
Peter G. Hovland, MD, PhD, Colorado Retina Associates

11:00 AM. **INNER RETINAL CHARACTERISTICS AND CORRELATIONS WITH VISUAL FIELD LOSS IN RETINITIS PIGMENTOSA PATIENTS (140046)**
Ava K. Bittner, OD, PhD, FAAO, NOVA Southeastern University College of Optometry, Andrew Lang, Johns Hopkins University

11:15 AM. **RELATIONSHIP BETWEEN JUXTAPAPILLARY CHOROIDAL VOLUME AND ß-ZONE PERI-PAPILLARY ATROPHY IN NORMAL AND GLAUCOMATOUS EYES (140047)**
Michael Sullivan-Mee, OD, FAAO, Albuquerque VA Medical Center, Nimesh Patel, OD, PhD, FAAO, University of Houston College of Optometry, Denise Pensyl, OD, MS, FAAO, Albuquerque VA Medical Center

11:30 AM. **CHANGES IN CHOROIDAL THICKNESS AND MORPHOLOGY WHEN ASSUMING THE RIGHT LATERAL DECUBITUS POSITION (140048)**
Richard C. Trevino, OD, FAAO, Carolyn Majcher, OD, FAAO, Travis Lehr, Denisse Lopez De Chacon, Susan Ly, University of the Incarnate Word Rosenberg School of Optometry
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<td>10:00 AM</td>
<td>301-303</td>
<td><strong>To Stick or Not to Stick: FA vs OCT</strong></td>
<td>Charles W. Kinnaird, OD, FAAO, Leonard V. Messner, OD, FAAO</td>
<td>41545-PS</td>
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<td>10:00 AM</td>
<td>401-403</td>
<td><strong>Fearless Low Vision Care without Formulas</strong></td>
<td>Henry A. Greene, OD, FAAO</td>
<td>41458-LV</td>
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<td>10:00 AM</td>
<td>501-503</td>
<td><strong>The Imposter: Recognizing Ocular Disease in Kids</strong></td>
<td>Rachel A. Stacey Coulter, OD, FAAO, Erin Christine Jenewein, OD, MS, FAAO</td>
<td>41232-FV</td>
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<td>10:00 AM</td>
<td>505-507</td>
<td>Ellerbrock Presents: Grand Rounds IV</td>
<td>Moderator: Gerald Selvin, OD, FAAO</td>
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<td><em>Beyond the Corneal Borders</em></td>
<td>Melanie Akau, OD, FAAO</td>
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<td><em>Meningiomatosis</em></td>
<td>Cherie A. Farkash, OD, FAAO</td>
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<td><em>Another Contact Lens Related Red Eye?</em></td>
<td>Anupam Laul, BSc, OD, FAAO</td>
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<td>10:00 AM</td>
<td>601-607</td>
<td><strong>Practical Problem-Solving of Red Eye in the CL Patient</strong></td>
<td>Thomas G. Quinn, OD, MS, FAAO</td>
<td>41356-CL</td>
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<tr>
<td>10:30 AM</td>
<td>205-207</td>
<td><strong>Papers: Optometric Education</strong></td>
<td>Moderators: Ida Chung, OD, MSHE, FAAO, and Erik Weissberg, OD, FAAO</td>
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10:30 AM. CURRENT PRACTICES OF INTERPROFESSIONAL EDUCATION AT SCHOOLS AND COLLEGES OF OPTOMETRY IN THE US (140049)
Melissa A. Vitek, OD, FAAO, Salus University, Pennsylvania College of Optometry, John Baker, OD, MEd, Illinois College of Optometry, Elizabeth Hoppe, OD, MPH, FAAO, Western University of Health Sciences, Jennifer Smythe Coyle, OD, MS, FAAO, Pacific University College of Optometry

10:45 AM. CHANGES IN STUDENT CONFLICT MANAGEMENT STYLES THROUGH AN INTERPROFESSIONAL EDUCATION AND COLLABORATIVE PRACTICE EXPERIENCE (140050)
Patricia C. Sanchez Diaz, DVM, PhD, Rosenberg School of Optometry University of the Incarnate Word, Ramona Ann Parker, RN, PhD, Monica N. Ramirez, RN, PhD, Ila Faye School of Nursing and Health Professions, University of the Incarnate Word, Helmut Gottlieb, PhD, Felix School of Pharmacy, University of the Incarnate Word, Daniel G Dominguez, PhD, MHA, HEB School of Business and Administration, University of the Incarnate Word

11:00 AM. RETENTION OF OPTOMETRY SCHOOL STUDENTS’ BASIC CLINICAL KNOWLEDGE (140051)
Rema Y. Shabany-Khayyat, OD, Rachel Eichler, OD, Einat Shneor, BOptom, PhD, Ariela Gordon-Shaag, PhD, FAAO, Hadassah Academic College Department of Optometry

11:15 AM. SETTING COMPETENCY STANDARDS IN OPTOMETRY – OCULAR DISEASE (140052)
Matilda Biba, PhD, John Siderov, MScOptom, PhD, FAAO, Anglia Ruskin University
11:30 AM. **BRIDGING THE RESOURCE GAP OF EMERGING OPTOMETRIC INSTITUTIONS VIA FREE ONLINE GLOBAL OPTOMETRY EDUCATIONAL MATERIALS (140053)**
Luigi Bilotto, MSc, OD, Michael Morton, BOptom, MPH, Judith Stern, BOptom, Pirindhaavellie Govender, BOptom, Daveena Brain, Kavin Naidoo, OD, PhD, FAAO, Brien Holden Vision Institute, AVRI/UKZN

11:00 AM 1 hour  
**Mile High Ballroom 2-3**  
**PS-04**  
**Retinal Vascular Occlusions for the Primary Care Clinician**  
Todd D. Peabody, OD, MBA, FAAO, Jeffrey D. Perotti, MS, OD  
COPE ID: 41544-PS

11:00 AM 1 hour  
**Room 405-407**  
**SD-07**  
**Primary Eye Care for the Hypertensive Patient: Management of Hypertensive Crises**  
Tiffenie A. Harris, OD, FAAO  
COPE ID: 35851-SD

11:00 AM 1 hour  
**Room 501-503**  
**BV-08**  
**Update on Systemic Ocular and Neural Complications of Premature Birth**  
Wendy L. Marsh-Tootle, OD, MS, FAAO  
COPE ID: 41235-FV

11:00 AM 1 hour  
**Room 601-607**  
**CL-09**  
**Effective Myopia Control in Clinical Practice**  
Patrick J. Caroline, FAAO, Edward Chow, OD  
COPE ID: 41357-CL

11:00 AM 1 hour  
**Room 505-507**  
**AS-04**  
**The Corneal Dystrophies**  
Barry A. Weissman, OD, PhD, FAAO  
COPE ID: 41178-AS
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| 1:30 PM      | Mile High Ballroom 1 | PS-06  
**Optical Coherence Tomography: A New Look at the Peripheral Retina**  
Mohammad R. Rafieetary, OD, FAAO | COPE ID: 39157-PS |
| 1:30 PM      | Mile High Ballroom 2-3 | SD-08  
**Systemic Evaluation of the Red Eye**  
CEE  
Thomas F. Freddo, OD, PhD, FAAO | COPE ID: 41228-SD |
| 1:30 PM      | Mile High Ballroom 4 | SD-09  
**Ocular Herpes Management: Beyond The Herpetic Eye Disease Study**  
Andrew B. Mick, OD, FAAO | COPE ID: 41555-PS |
| 1:30 PM      | Room 102-106     | WK-10  
**OVS Author Workshop: Tools for Authors**  
Mark A. Bullimore, MCOptom, PhD, FAAO, Anthony J. Adams, OD, PhD, FAAO, Donald O. Mutti, OD, PhD, FAAO, Michael D. Twa, OD, PhD, FAAO | COPE ID: No Credit |
| 1:30 PM      | Room 109         | WK-08  
**Advanced Corneal Procedures**  
Elizabeth A. Steele, OD, FAAO, Caroline B. Pate, OD, FAAO, Tammy P. Than, MS, OD, FAAO | COPE ID: 41617-AS |
| 1:30 PM      | Room 304         | LDR-03  
**Intermediate Leadership: Achieving a Higher Level of Leadership**  
Brenda Bence, MBA, CSP, ICF | COPE ID: 42018-PM |
| 1:30 PM      | Room 201-203     | P-11  
**Papers: Anterior Segment/Contact Lens 3**  
Moderators: Milton Hom, OD, FAAO, and Charlotte Joslin, OD, PhD, FAAO |               |
1:30 PM. CONTACT LENS ASSESSMENT IN YOUTH: MULTI-CENTER TESTING OF A RISK ASSESSMENT SURVEY FOR SOFT CONTACT LENS WEARERS WITH ADVERSE EVENTS (140054)
Luigina Sorbara, OD, MSc, FAAO, University of Waterloo School of Optometry, Robin L. Chalmers, OD, FAAO, Indiana University, Heidi Wagner, OD, MPH, FAAO, NOVA Southeastern University College of Optometry, Dawn Y. Lam, MSc, OD, FAAO, Marshall B. Ketchum University, Southern California College of Optometry, Beth T. Kinoshita, OD, FAAO, Pacific University College of Optometry, G. Lynn Mitchell, MAS, FAAO, Aaron Zimmerman, OD, MS, FAAO, The Ohio State University College of Optometry, Kathryn Richdale, OD, PhD, FAAO, SUNY College of Optometry

1:45 PM. PROPENSITY TOWARDS CORNEAL INFLAMMATORY EVENTS IS ASSOCIATED WITH MICROBIOME ABUNDANCE ON WORN CONTACT LENSES (140055)
Loretta B. Szczotka-Flynn, OD, PhD, FAAO, CWRU Department of Ophthalmology and Visual Sciences and University Hospitals Eye Institute, Mauricio Retuerto, MS, Pranab Mukherjee, PhD, Jyotsna Chandra, PhD, Case Western Reserve University Dept. of Dermatology and Center for Medical Mycology, Ying Jiang, MD, MS, Sara Debanne, PhD, CWRU Dept. of Epidemiology & Biostatistics, Mahmoud Ghannoum, PhD, Case Western Reserve University Dept. of Dermatology and Center for Medical Mycology
2:00 PM. CONTACT LENS ASSESSMENT IN YOUTH (CLAY) CASE-CONTROL PILOT STUDY OF PATIENTS WITH SYMPTOMATIC CORNEAL INFLAMMATORY EVENTS (140108)
Kathryn Richdale, OD, PhD, FAAO, SUNY College of Optometry, Dawn Y. Lam, Msc, OD, FAAO, Southern California College of Optometry at Marshall B. Ketchum University, Heidi Wagner, OD, MPH, FAAO, Nova Southeastern University College of Optometry, Aaron Zimmerman, OD, MS, FAAO, The Ohio State University College of Optometry, Beth T. Kinoshita, OD, FAAO, Pacific University College of Optometry, Robin L. Chalmers, OD, FAAO, Luigina Sorbara, MSc, OD, FAAO, University of Waterloo School of Optometry, G. Lynn Mitchell, MAS, FAAO, The Ohio State University College of Optometry

2:15 PM. CLINICAL AND CONTACT LENS DEPOSITION CHARACTERISTICS OF CONTACT LENS WEARERS WITH AND WITHOUT DRY EYE (140056)
Padmapriya Ramamoorthy, MS, PhD, FAAO, Jason J. Nichols, OD, PhD, FAAO, University of Alabama Birmingham School of Optometry

2:30 PM. IMPACT OF DIFFERENT LENS CARE SOLUTIONS ON PROTEIN DEPOSITION ON VARIOUS SOFT CONTACT LENSES: A MULTICENTER STUDY (140057)
Lakshman N. Subbaraman, PhD, MSc, FAAO, University of Waterloo Centre for Contact Lens Research, Negar Babaei Omali, PhD, CCLR, Miriam Heynen, MSc, CCLR, University of Waterloo School of Optometry, Carol Lakkis, PhD, Johnson & Johnson Vision Care, Carole Maldonado-Codina, PhD, Philip B. Morgan, PhD, University of Manchester, David A. Berntsen, PhD, FAAO, Jason J. Nichols, OD, PhD, FAAO, University of Alabama Birmingham School of Optometry, Lyndon W. Jones, PhD, FCOptom, FAAO, University of Waterloo School of Optometry
2:45 PM. THE EFFECT OF SILICONE HYDROGEL CONTACT LENS MATERIALS ON ACANTHAMOEBA ENCYSTMENT DURING MULTIPURPOSE SOLUTION DISINFECTION (140058)
Carol Lakkis, BScOptom, PhD, FAAO, Johnson & Johnson Vision Care, Inc., Gurinder Vinner, MSc, The University of Leicester

3:00 PM. UPTAKE AND RELEASE OF ATROPINE AND PIRENZEPINE FROM COMMERCIAL HYDROGEL AND SILICONE HYDROGEL CONTACT LENS MATERIALS (140059)
Alex Hui, OD, PhD, Lyndon W. Jones, PhD, FCOptom, FAAO, Centre for Contact Lens Research, University of Waterloo

1:30 PM 2 hours
Room 301-303
GO-03
Update on Mental Health Conditions
David C. Bright, OD, FAAO
COPE ID: 41433-GO

1:30 PM 1 hour
Room 401-403
LV-07
Taking the Risk out of Prescribing Spectacle Mounted Telescopes
Henry A. Greene, OD, FAAO
COPE ID: 41459-LV

1:30 PM 2 hours
Room 205-207
SS-09
Vision Science & Low Vision Sections: ARVO/AAO Joint Symposium: Why Do We Need Another Photoreceptor? Clinical Implications of Melanopsin-Containing Retinal Ganglion Cells
Ann E. Elsner, MA, PhD, FAAO, Laura J. Frishman, PhD, FAAO, Ignacio Provencio, PhD, David Copenhagen, PhD, Paul Gamlin, PhD, Andrew T. E. Hartwick, OD, PhD, FAAO
COPE ID: 41839-LV
1:30 PM 2 hours
RS-01
Room 405-407
Managing Post-Operative Complications for LASIK and PRK
Michael J. DelGiodice, BS, OD, FAAO, Clark YH Chang, OD, MS, FAAO
COPE ID: 41536-RS

1:30 PM 1 hour
BV-09
Room 501-503
Does My Patient Need Vision Therapy? Questions to Ask, Tests to Do
Glen T. Steele, OD, FCOVD FAAO
COPE ID: 41251-FV

1:30 PM 1 hour
JP-03
Room 505-507
The Dilation Dilemma
Robert E. Dister, OD, JD, FAAO, Michael G. Harris, OD, JD, FAAO
COPE ID: 41517-EJ

1:30 PM 1 hour
CL-10
Room 601-607
Scleral Lenses for Really Sick Eyes
Lynette K. Johns, OD, FAAO
COPE ID: 41367-CL

2:30 PM 2 hours
GO-04
Mile High Ballroom 1
Controversies in Nutrition: Sorting Through the Literature
CEE
Kimberly K. Reed, OD, FAAO
COPE ID: 41259-GO

2:30 PM 2 hours
NO-04
Mile High Ballroom 4
The Neurologic Examination
Kelly A. Malloy, OD, FAAO, Erin M. Draper, OD, FAAO
COPE ID: 41210-NO

2:30 PM 3 hours
WK-09
Room 107
Selecting & Fitting Soft Multifocal Contact Lenses for Near Point Problems or Myopia Control in Non-Presbyopes
William Edmondson, MAT, OD, FAAO, Melissa A. Zarn, OD, FAAO, Michael Christensen, PhD, OD, FAAO, John M. Jackson, OD, MS, FAAO
COPE ID: 41707-CL
2:30 PM 1 hour
LV-08
Room 401-403
Low Vision Technology Update 2014: Mobile Devices, Apps and More
William F. O’Connell, OD, FAAO
COPE ID: 41465-LV

2:30 PM 2 hours
BV-10
Room 501-503
The ABC’s and 123’s of Refractive Error Management for Infants and Toddlers
Tawna L. Roberts, OD, FAAO, Carmen N. Barnhardt, OD, FCOVD, FAAO
COPE ID: 41311-FV

2:30 PM 1 hour
GL-03
Room 505-507
Rethinking Gonioscopy: New Concepts of Angle Closure Glaucoma
Anthony P. DeWilde, OD, FAAO
COPE ID: 41394-GL

2:30 PM 2 hours
CL-11
Room 601-607
Managing Presbyopia with Contact Lenses 2014
Douglas P. Benoit, OD, FAAO, Edward Bennett, OD, MSEd, FAAO
COPE ID: 41358-CL

3:30 PM 2 hours
SS-08
Mile High Ballroom 2-3
Glaucoma SIG Symposium: The Implementation of Optical Coherence Technology (OCT) in Managing Glaucoma

Utilization of OCT in Glaucoma: Basic Principles and Variants of OCT Technology
Jane Ann Grogg, OD, FAAO
Automated Analysis of the Optic Nerve in Glaucoma
John Samples, MD
OCT-RNFL and Glaucoma Progression
Michael Sullivan-Mee, OD, FAAO
COPE ID: 41926-GL
3:30 PM 2 hours  
**WK-12**  
**OVS Author Workshop: Preparing a Manuscript**  
Mark A. Bullimore, MCOptom, PhD, FAAO, Anthony J. Adams, OD, PhD, FAAO, Susan A. Cotter, OD, MS, FAAO, Ruth E. Manny, OD, PhD, FAAO, Andrew B. Mick, OD, FAAO, Kurt A. Zadnik  
COPE ID: No Credit

3:30 PM 2 hours  
**WK-11**  
**Everything You Wanted to Know about Punctal Occlusion**  
Walter Potaznick, OD, FAAO, Irwin Shwom, OD, RDO  
COPE ID: 41587-AS

3:30 PM 1 hour  
**SD-10**  
**Where’s the Evidence? A Look at the Role of Ocular Nutrition in AMD**  
Sarah MacIver, OD, FAAO  
COPE ID: 37417-SD

3:30 PM 2 hours  
**AS-05**  
**New Contact Lens, Surgical and Medical Management Options for Keratoconus**  
Timothy B. Edrington, OD, MS, FAAO, Pam T. Satjawatcharaphong, OD, FAAO  
COPE ID: 41279-AS

3:30 PM 1 hour  
**PH-02**  
**Cultural Competence: The Opportunities of Serving the Needs of Hispanic Patients**  
Hector C. Santiago, OD, PhD, FAAO  
COPE ID: 41592-PB

4:00 PM 2 hours  
**POS-01**  
**Special Posters Evening Session**  
Binocular Vision, Cornea/Anterior Segment/Contact Lens, Low Vision, Optics/Refractive Error, Pediatrics, Visual Function/Perception
<table>
<thead>
<tr>
<th>Time</th>
<th>Venue</th>
<th>Title</th>
<th>Presenters</th>
<th>COPE ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:30 PM 1 hour</td>
<td>Mile High Ballroom 1</td>
<td><strong>Won't Happen In My Office: Systemic Emergencies in Optometric Offices</strong></td>
<td>Todd D. Peabody, OD, MBA, FAAO, Richard E. Meetz, OD, MS, FAAO</td>
<td>41559-PB</td>
</tr>
<tr>
<td>4:30 PM 1 hour</td>
<td>Mile High Ballroom 4</td>
<td><strong>Good Drugs Bad Reactions: Medications Impacting Systemic &amp; Ocular Health</strong></td>
<td>William D. Townsend, OD, FAAO</td>
<td>38991-PH</td>
</tr>
<tr>
<td>4:30 PM 1 hour</td>
<td>Room 301-303</td>
<td><strong>When Primary Care and Binocular Vision Collide</strong></td>
<td>Kimberly D. Kohne, OD, FAAO, Don W. Lyon, OD, MS, FAAO</td>
<td>41434-GO</td>
</tr>
<tr>
<td>4:30 PM 1 hour</td>
<td>Room 501-503</td>
<td><strong>Peds Jeopardy! 2014</strong></td>
<td>Katherine K. Weise, OD, MBA, FAAO</td>
<td>41248-FV</td>
</tr>
<tr>
<td>4:30 PM 1 hour</td>
<td>Room 505-507</td>
<td><strong>The Next Wave: Multispectral Imaging of the Fundus</strong></td>
<td>Lorne Yudcovitch, OD, MS, FAAO</td>
<td>41546-PS</td>
</tr>
<tr>
<td>4:30 PM 1 hour</td>
<td>Room 601-607</td>
<td><strong>Understanding the Basic and Not So-Basic Essential Tips in Fitting Scleral Lenses</strong></td>
<td>Langis Michaud, OD, FAAO, Daniel Brazeau, OD, FAAO</td>
<td>41371-CL</td>
</tr>
</tbody>
</table>
7:00 PM hour(s)  
SS-15  
Centennial Ballroom E (Hyatt)  
**Ocular Nutrition SIG Dinner and CE Symposium:**  
**Current Nutrition Controversies Affecting ECP Recommendations to Protect Against Ocular Disease**

*Controversy of Recommendations Based Upon a RCT vs Genetic Trials*  
Dennis Ruskin, OD, FAAO

*Controversy of Recommending Omega 3 Fatty Acids*  
Kimberly K. Reed, OD, FAAO

*Controversy of Recommending Vitamin D for Ocular Disease*  
A. Paul Chous, OD, FAAO

*Controversy with Recommending Carotenoids*  
Stuart Richer, OD, PhD, FAAO

COPE ID: 42489-GO
Friday, November 14, 2014

8:00 AM 1 hour
Four Seasons Ballroom
SE-04
Awards Program & Lectures
COPE ID: Pending

8:00 AM 2 hours
Mile High Ballroom 1
SD-12
Diabetes Nation: Where Are We and Where Do We Go From Here?
CEE
A. Paul Chous, MA, OD, FAAO, Jeffry Gerson, OD, FAAO
COPE ID: 41282-SD

8:00 AM 1 hour
Mile High Ballroom 2-3
AS-06
Thought Provoking Cases in Anterior Segment
A. Mika Moy, OD, FAAO, Christina S. Wilmer, OD, FAAO
COPE ID: 37841-AS

8:00 AM 2 hours
Mile High Ballroom 4
OP-06
Ocular Infection Management-The Next Generation
Bruce E. Onofrey, RPH, OD, FAAO
COPE ID: 30148-AS

9:00 AM 2 hours
Mile High Ballroom 2-3
GL-04
Critical Assessment of the Optic Nerve in Glaucoma
CEE
Elliot M. Kirstein, OD, FAAO
COPE ID: 41215-GL

10:00 AM 2 hours
Four Seasons Ballroom
POS-02
Posters Authors Odd
Cornea/Anterior Segment/Contact Lens, Glaucoma, Health Policy, Neuro-Ophthalmic/Orbit, Optometric Education, Posterior Segment, Systemic Disease

10:00 AM 2 hours
Mile High Ballroom 1
OP-07
Oral Pharmaceuticals in Ocular Surface Infection and Inflammation
Blair B. Lonsberry, OD, MEd, FAAO
COPE ID: 42831-OP
10:00 AM 2 hours               Mile High Ballroom 4
RS-02
The Complete Management of the Corneal Collagen Crosslinking (CXL) Patient
CEE
Susan J. Gromacki, OD, MS, FAAO, Andrew S. Morgenstern, OD, FAAO
COPE ID: 41577-RS

10:00 AM 2 hours               Room 107
WK-14
Neurological Exam Workshop
Daniel M. Freed, OD, MD
COPE ID: 41708-SD

10:00 AM 2 hours               Room 109
WK-13
Basics of Scleral Contact Lens Fitting: It’s as Easy as 1-2-3
Melissa Barnett, OD, FAAO, Jason G. Jedlicka, OD, FAAO, Michael J. Lipson, OD, FAAO, Mindy D. Toabe, OD, FAAO, Bruce Baldwin, OD, FAAO
COPE ID: 41588-CL

10:00 AM 2 hours               Room 205-207
P-12
Papers: Anterior Segment/Contact Lens 4
Moderators: Pete Kollbaum, OD, PhD, FAAO, and Paul M. Karpecki, OD, FAAO

10:00 AM. CORNEAL MICROSTRUCTURAL CHANGES FOLLOWING CATARACT SURGERY IN PATIENTS WITH DIABETES MELLITUS (140060)
Stuti Misra, PhD, Yi Wei Goh, MBChB, Dipika Patel, PhD, MRCOphth, Andrew Riley, Charles N.J. McGhee, MBChB, PhD, DSc, University of Auckland

10:15 AM. THREE MONTH SOFT CONTACT LENS WEAR CHANGES CONJUNCTIVAL CYTOLOGY (140061)
Kishor Sapkota, MOptom, FIACLE, Dept. of Physics, University of Minho, Sandra Franco, PhD, University of Minho, Paula Sampaio, PhD, Department of Biology, University of Minho, Madalena Lira, PhD, Department of Physics/Optometry, University of Minho
10:30 AM. **ASSESSMENT OF THE CORNEOSCLERAL JUNCTION OF SOFT CONTACT LENS WEARERS USING OCT (140062)**
Bo Tan, PhD, Andrew D. Graham, MS, Clinical Research Center, University of California Berkeley School of Optometry

10:45 AM. **IMPACT OF SOFT CONTACT LENS DESIGN ON ON-EYE RESIDUAL HIGH ORDER ABERRATIONS (140063)**
A. Philip Aitsebaomo, OD, PhD, FAAO, University of the Incarnate Word Rosenberg School of Optometry, Harold E. Bedell, PhD, FAAO, University of Houston College of Optometry

11:00 AM. **RISK FACTORS FOR KERATOCONUS IN ISRAEL: A CASE CONTROL STUDY (140064)**
Ariela Gordon-Shaag, PhD, FAAO, Hadassah Academic College, Michel Millodot, OD, PhD, Hong Kong Polytechnic School of Optometry, Igor Kaiserman, MD, Tzahi Selah, BOptom, Care Laser Medical Group, Yaffa Zarbib, BOptom, Efrat Matityahu, BOptom, Shira Shkedi, BOptom, Einat Shneor, BOptom, PhD, Hadassah Academic College

11:15 AM. **ULTRASTRUCTURAL EFFECTS OF UV-RIBOFLAVIN CORNEAL CROSS-LINKING (140065)**
Michael D. Twa, OD, PhD, FAAO, University of Alabama at Birmingham School of Optometry, Srilatha Vantipalli, Brodie DeJernett, University of Houston College of Optometry

11:30 AM. **OPTICAL COHERENCE ELASTOGRAPHY IMAGING OF THE CORNEA (140066)**
Michael D. Twa, OD, PhD, FAAO, University of Alabama at Birmingham School of Optometry, Srilatha Vantipalli, University of Houston College of Optometry, Jiasong Li, Manmohan Sing, Kirill V. Larin, PhD, University of Houston, Department of Biomedical Engineering
10:00 AM 1 hour
PS-08
Some Common (and some not so common) Posterior Pole Observations and their Management
Joseph P. Shovlin, OD, FAAO
COPE ID: 41547-PS

10:00 AM 2 hours
SE-05
Ezell Fellows Present: A Sampler of Current Low Vision Research
Moderator: Tom Raasch, OD, PhD, FAAO
Robert W. Massof, PhD, FAAO, Susana Chung, OD, PhD, FAAO, Bradley E. Dougherty, OD, PhD, FAAO
COPE ID: 41973-LV

10:00 AM 1 hour
GR-05
Ellerbrock Presents: Grand Rounds V
Moderator: Gerald Selvin, OD, FAAO

   Angle Recession Glaucoma 31 Years Post Trauma
   Carl H. Jacobsen, OD, FAAO

   Alternative Glaucoma Treatments
   Robert S. Wang, OD

   Uncontrollable Ocular Hypertension in an Atypical Presentation of Chronic Herpes Zoster Associated Anterior Uveitis
   Sarah MacIver, OD, FAAO
COPE ID: 41508-GO
FRIDAY, NOVEMBER 14

10:00 AM 2 hours  
SS-10  
Room 501-503  
Binocular Vision, Perception & Pediatric Optometry and Public Health Section Symposium: Affordable Care Act (ACA)

Introduction  
Sandra S. Block, OD, MEd, FAAO  
A Public Health Approach to Children’s Vision Screening  
Bonnie Strickland, PhD  
Affordable Care Act Impacts on Children’s Vision Benefits  
Joe Touschner, MPP  
Vision as a Priority for Children’s Health and Well-Being  
Eva Marie Stahl, PhD  
Summary  
Bruce D. Moore, OD, FAAO  
COPE ID: 41966-FV

10:00 AM 1 hour  
PS-09  
Room 505-507  
Intravitreal Injections: Can They Treat Everything?  
Leonid Skorin, OD, DO, FAAO  
COPE ID: 37749-PS

10:00 AM 1 hour  
AS-07  
Room 601-607  
HSV, HZO, EKC: Viral Eye Disease Alphabet Soup  
Nathan R. Lighthizer, OD, FAAO  
COPE ID: 38602-AS

10:30 AM 1 hour  
P-13  
Room 201-203  
Papers: Does Trans-synaptic Degeneration Exist?  
Moderators: Andrew T. E. Hartwick, OD, PhD, FAAO, and Andrew B. Mick, OD, FAAO

10:30 AM. USING GANGLION CELL ANALYSIS IN DIFFERENTIATING GLAUCOMA FROM GLAUCOMA-MIMICKERS (140067)  
Michael Kalloniatis, MScOpt, PhD, Andrew Whatham, BOptom, DPhil, Agnes Choi, BOptom, MOptom, Centre for Eye Health and SOVS, University of New South Wales
10:45 AM. RETROGRADE DEGENERATION OF RETINAL GANGLION CELLS DETECTED WITH OPTICAL COHERENCE TOMOGRAPHY IN PATIENTS WITH HOMONYMOUS HEMIANOPIA (140068)
Keegan K. Bench, OD, Vladimir Yevseyenkov, OD, PhD, FAAO, Midwestern University Arizona College of Optometry, David A. Kaplan, OD, Family Eyecare of Glendale, John A. Nguyen, OD, Jessica Neuville, OD, FAAO, Midwestern University Arizona College of Optometry

11:00 AM. CEREBRAL VASCULAR ACCIDENT CAUSING RETROGRADE RETINAL GANGLION CELL LOSS ON OCT (140069)
Julie K. Torbit, OD, FAAO, Brad Sutton, OD, FAAO, Anna Bedwell, OD, FAAO, Debra McConnaha, OD, Indiana University School of Optometry

11:00 AM 1 hour
Mile High Ballroom 2-3
**Optic Nerves that Pale in Comparison**
Edward Chu, OD, FAAO
COPE ID: 37803-PS

11:00 AM 1 hour
Room 301-303
**Clinical Cases in the Management of Ocular Hypertension**
Andrew John Rixon, OD, FAAO
COPE ID: 41395-GL

11:00 AM 1 hour
Room 405-407
**Ellerbrock Presents: Grand Rounds VI**
Moderator: Gerald Selvin, OD, FAAO

**Cancer Associated Retinopathy**
Emily Richard, OD

**Gyrate Like Atrophy in an Ornithine Normal Patient**
Raman Bhakhri, BS, OD, FAAO

**Lipemic Retinopathy**
Emily Becker, OD
COPE ID: 41509-GO
11:00 AM 1 hour  
**GO-07**  
Evaluation of the Angle and Anterior Segment Disorders via OCT  
Robert W. Dunphy, OD FAAO  
COPE ID: 41436-GO

11:00 AM 1 hour  
**GO-06**  
Imaging in Ocular and Orbital Trauma  
Christian J. Thompson, OD, FAAO, Valerie Sharpe, OD, FAAO  
COPE ID: 41435-GO

2:00 PM 2 hours  
**POS-03**  
Posters Authors Even

2:00 PM 1 hour  
**NO-05**  
Alzheimer Disease: An Update With Answers to Common Questions  
Leonid Skorin, OD, DO, FAAO  
COPE ID: 37846-SD

2:00 PM 2 hours  
**PS-14**  
Genetics in Posterior Segment Disease  
Sherry J. Bass, OD, FAAO, Jerome Sherman, OD, FAAO, Jerry Rapp, PhD  
COPE ID: 41252-PS

2:00 PM 1 hour  
**PS-11**  
Don't Forget the Vitreous  
Mohammad R. Rafieetary, OD, FAAO  
COPE ID: 41548-PS

2:00 PM 2 hours  
**WK-16**  
Introduction to Management of Accommodative and Vergence Disorders with Vision Therapy  
Kristine B. Hopkins, OD, MSPH, FAAO, Yin C. Tea, OD, FAAO, Sarah Lee, OD, Raymond H. Chu, OD, MS, FAAO  
COPE ID: 41599-GO
2:00 PM 2 hours
WK-15
Room 109
Polishing Your Gonioscopy Skills
Dina H. Erickson, OD, FAAO, Denise Goodwin, OD, FAAO
COPE ID: 41600-GL

2:00 PM 1.5 hours
P-14
Room 201-203
Papers: Global Eye Care
Moderators: Kovin Naidoo, OD, PhD, FAAO, and Chris A. Johnson, PhD, FAAO

2:00 PM. GLOBAL VISION IMPAIRMENT AND BLINDNESS DUE TO UNCORRECTED REFRACTIVE ERROR: A SYSTEMATIC REVIEW AND META-ANALYSIS (140070)
Kovin Naidoo, OD, MPH, PhD, Brien Holden Vision Institute, Rupert Bourne, FRCOpth, MD, Vision & Eye Research Unit, Anglia Ruskin University, Seth R. Flaxman, BA, School of Computer Science & Heinz College, Carnegie Mellon, Jost B. Jonas, MD, Department of Ophthalmology, Mannheim, Jill Keefe, PhD, L V Prasad Eye Institute, Janet Leasher, OD MPH, Nova Southeastern University, Konrad Pesudovs, PhD, NHMRC Centre for Clinical Eye Research, Flinders University, Holly Price, BSc, PhD, Vision & Eye Research Unit, Anglia Ruskin University, Richard A. White, PhD, Department of Genes and Environment, Division of Epidemiology, Tien Y. Wong, FRCSE, MD, Singapore Eye Research Institute, Singapore, Serge Resnikoff, MD, PhD, Brien Holden Vision Institute, Hugh R. Taylor, AC, MD, Melbourne University School of Population and Global Health

2:15 PM. PATTERN OF OPTOMETRY PRACTICE AND RANGE OF SERVICES IN INDIA (140071)
Nilesh Thite, BOptom, MOptom, FAAO, International Association of Contact Lens Educators, Gauri Kunjeer, BOptom, Nagar Chasmaghar, Jyoti Jaggernath, PhD, AVRI, Farai Chinanayi, BSc, M. Phil, AVRI and BHVI, Shrikant Bharadwaj, PhD, L V prasad Eye Institute
2:30 PM. HUMAN RESOURCES FOR REFRACTION SERVICES IN CENTRAL NEPAL (140072)
Himal Kandel, MSc, PHEC, BOptom, Brien Holden Vision Institute, GVS Murthy, MD, MSc CEH, International Centre for Eye Health, Covadonga Bascaran, MD, MSc, CEH, International Centre for Eye Health

2:45 PM. VISUAL FIELD SCREENING TO DETECT GLAUCOMA AND DIABETIC RETINOPATHY IN NEPAL USING AN IPAD APPLICATION PROGRAM (140073)
Chris A. Johnson, PhD, DSc, FAAO, University of Iowa Hospitals and Clinics, Suman S. Thapa, MD, PhD, Nepal Glaucoma Eye Clinic, Tilganga Institute of Ophthalmology, Alan Lee Robin, MD, PhD, Dept. of Ophthalmology, University of Maryland and Johns Hopkins

3:00 PM. TRENDS IN EYE CARE DELIVERY IN THE UNITED STATES: 1996-2011 (140074)
Mark W. Swanson, OD, MSPH, FAAO, University of Alabama at Birmingham

3:15 PM. PROGRESS IN THE DEVELOPMENT OF OPHTHALMIC QUALITY OF LIFE MEASURING PATIENT-REPORTED OUTCOME MEASURES (140075)
Konrad Pesudovs, OD, PhD, FAAO, Jyoti Khadka, PhD, Flinders University School of Health Sciences, Eva Fenwick, PhD, Centre for Eye Research Australia, Ecosse Lamoureux, PhD, Singapore Eye Research Institute

2:00 PM 1 hour
P-15
Room 205-207
Papers: RGP Contact Lenses
Moderators: Muriel Schornack, OD, FAAO, and Tim McMahon, OD, FAAO
2:00 PM. **CALCULATED IN SITU TEAR OXYGEN TENSION UNDER HYBRID CONTACT LENSES** (140076)
Barry A. Weissman, OD, PhD, FAAO, Diana Nguyen, OD, Karen Lee, OD, FSLS, Timothy B. Edrington, OD, FAAO, Marshall B. Ketchum University Southern California College of Optometry

2:15 PM. **NEOPHYTE SKILL JUDGING SCLERAL LENS CLEARANCE** (140077)
Daniel G. Fuller, OD, FAAO, Nancy Chan, OD, Brenton Smith, Southern College of Optometry

2:30 PM. **VISUAL PERFORMANCE OF SCLERAL AND SOFT CONTACT LENSES IN NORMAL EYES** (140078)
Alex Nixon, OD, MS, Dean A. VanNasdale, OD, PhD, Aaron Zimmerman, OD, MS, G. Lynn Mitchell, MAS, The Ohio State University College of Optometry

2:45 PM. **VISUAL PERFORMANCE OF SCLERAL LENSES IN COMPARISON TO SOFT CONTACT LENSES AND SPECTACLE LENSES IN YOUNG ADULTS** (140079)
Vandana Rajaram, OD, PhD, FAAO, Stephanie Ramdass, OD, Nicole Sparks, Lindsay LaBelle, Craig W. Norman, Ferris State University, Michigan College of Optometry

2:00 PM 2 hours
SD-13
**HIV Update**
David C. Bright, OD, FAAO
COPE ID: 41560-PS

2:00 PM 1 hour
LV-09
**Prism Usage in Acquired Brain Injury**
Curtis R. Baxstrom, OD, FCVD, FAAO
COPE ID: Pending
2:00 PM 2 hours  
PM-01  
The Business of Eye Care  
Carl H. Spear, OD, FAAO, April Jasper, OD, FAAO  
COPE ID: 40601-PM

2:00 PM 1 hour  
BV-12  
Ocular Motility Potpourri  
Richard London, MA, OD, FAAO  
COPE ID: 41247-FV

2:00 PM 1 hour  
AS-08  
Red, Green or Yellow: Understanding Ocular Surface Staining  
Etty Bitton, OD, MSc, FAAO  
COPE ID: 34901-AS

2:00 PM 1 hour  
CL-13  
Contact Lens Discomfort – How to Resolve Today  
Donald R. Korb, OD, FAAO  
COPE ID: 41359-CL

3:00 PM 2 hours  
GO-08  
Visual Fields: An Interactive Approach  
Kelly H. Thomann, OD, FAAO, Nancy N. Wong, OD, PhD, FAAO  
COPE ID: 41238-GO

3:00 PM 2 hours  
NO-06  
The Cranial Neuropathies: 3rd, 4th and 6th Nerve Palsies  
James L. Fanelli, OD, FAAO, Leonard V. Messner, OD, FAAO, Lorraine Lombardi, PhD  
COPE ID: 41937-NO

3:00 PM 1 hour  
LV-10  
Clinical Strategies for Managing Patients with Hemifield Loss  
Alexis G. Malkin, OD, FAAO, Tiffany L. Chan, OD, FAAO  
COPE ID: 41466-LV
3:00 PM 2 hours
BV-13
The Struggling Student: 4 Case Types
John D. Tassinari, OD, FCVD, FAAO, Eric Borsting, OD, MS, FAAO
COPE ID: 41246-FV

3:00 PM 1 hour
PH-03
Eye Care and Ethics Consultation
Barbara J. Hetrick, OD, FAAO
COPE ID: 41518-PB

3:00 PM 3 hours
SS-11
Section on Cornea, Contact Lenses & Refractive Technologies Symposium: Keratoconus - Lasers, Lenses & Boomerangs!
(Symposium 3:00-5:00 PM, Awards Lecture 5:00-6:00 PM)
Recurrent Keratoconus: Does it Happen and, If So, How?
Jan P.G. Bergmanson, OD, PhD, FAAO
The Keratoconus Journey – from Diagnosis to Surgery & Beyond
Susan J. Gromacki, OD, MS, FAAO
Contact Lens Options for the Keratoconic Patient
Patrick J. Caroline, FAAO
Corneal Crosslinking – What every OD Needs to Know
William Tullo, OD, FAAO
COPE ID: 42363-CL

4:00 PM 2 hours
PS-12
OVS Presents: Age-Related Macular Degeneration
Anthony J. Adams, OD, PhD, FAAO, Erica L. Fletcher, OD, PhD, Laura Elizabeth Downie, PhD(Melb), FAAO, Susana Chung, OD, PhD, FAAO, Algis Vingrys, PhD, FAAO, Mark W. Swanson, OD, MSPH, FAAO
COPE ID: 41556-PS
4:00 PM 2 hours  
**WK-18**  
Room 107  
**Clinical Research Workshop**  
Barbara Caffery, OD, PhD, FAAO, Robin L. Chalmers, OD, FAAO, Susan A. Cotter, OD, MS, FAAO, Wendy W. Harrison, OD, PhD, FAAO, Harue J. Marsden, OD, MS, FAAO, Gregory J. Nixon, OD, FAAO, Ronald K. Watanabe, OD, FAAO, Karla Zadnik, OD, PhD, FAAO  
COPE ID: No Credit

4:00 PM 2 hours  
**WK-17**  
Room 109  
**Sutureless Amniotic Membranes: How to Properly Insert and Remove Them**  
Nicholas Colatrella, OD, FAAO, Jeffrey R. Varanelli, OD, FAAO  
COPE ID: 41680-AS

4:00 PM 2 hours  
**GO-09**  
Room 301-303  
**Optometric Issues with Head-Mounted Displays**  
Eli Peli, MSc, OD, FAAO  
COPE ID: 41437-GO

4:00 PM 1 hour  
**LV-11**  
Room 401-403  
**Applying the iPhone to Low Vision Care**  
Robert B. Greer, OD, FAAO  
COPE ID: 41469-LV

4:00 PM 1 hour  
**PH-04**  
Room 405-407  
**Disaster Medicine as an Opportunity for Interdisciplinary Care**  
Debbie L. Hettler, OD, MPH, FAAO  
COPE ID: 41527-PS

4:00 PM 2 hours  
**SS-12**  
Room 505-507  
**Ocular Nutrition SIG Symposium: Sugar - More than Meets the Eye**  
Moderator: Dennis Ruskin, OD, FAAO  
Panelists: A. Paul Chous, MA, OD, FAAO, Kimberly K. Reed, OD, FAAO, Stuart Richer, OD, PhD, FAAO  
COPE ID: 42488-GO
<table>
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<tr>
<th>Time</th>
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<th>Event Title</th>
<th>Speakers</th>
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<tr>
<td>5:00 PM</td>
<td>Mile High Ballroom 1</td>
<td><strong>Ocular Prosthetics Grand Rounds</strong></td>
<td>Sunny M. Sanders, OD, FAAO, Brett Robert Larson, OD, FAAO</td>
<td>42082-CL</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Mile High Ballroom 4</td>
<td><strong>OCT in Glaucoma: Interpretation, Progression and Management</strong></td>
<td>David M. Hicks, OD, FAAO</td>
<td>41396-GL</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Room 401-403</td>
<td><strong>Assessing Fitness to Drive: Past, Present and Future</strong></td>
<td>Mark E. Wilkinson, OD, FAAO</td>
<td>41438-GO</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Room 404</td>
<td><strong>Glaucoma SIG Roundtable Discussions: Angle Closure Glaucoma</strong></td>
<td>Michael Sullivan-Mee, OD, FAAO, Lisa Young, OD, FAAO</td>
<td>41976-GL</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Room 405-407</td>
<td><strong>Head Injuries and Post Concussion Head Syndrome</strong></td>
<td>Pamela Joyce Larayne Miller, OD, JD, FAAO</td>
<td>41477-NO</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Room 501-503</td>
<td><strong>Child Abuse: Making the Diagnosis. Saving a Life</strong></td>
<td>Eileen M. Gable, OD, FAAO</td>
<td>41519-PB</td>
</tr>
</tbody>
</table>
Saturday, November 15, 2014

8:00 AM 2 hours  Mile High Ballroom 1  
**OP-08**  
**Ophthalmic Therapeutic Update**  
Tammy P. Than, MS, OD, FAAO  
COPE ID: 41482-PH

8:00 AM 1 hour  Mile High Ballroom 2-3  
**PS-13**  
**Updates in Diabetic Retinopathy and Venous Occlusive Disease**  
Mahsa Salehi, OD, MT (ASCP), FAAO  
COPE ID: 41550-PS

8:00 AM 2 hours  Mile High Ballroom 4  
**GL-07**  
**Evidence Based Management of Secondary Glaucoma**  
Edward Chu, OD, FAAO  
COPE ID: 33754-GL

8:00 AM 3 hours  Room 109  
**WK-19**  
**Injectable Medications in Primary Eyecare**  
Andrew John Rixon, OD, FAAO, Michael T. Dorkowski, OD, FAAO, Scott Ensor, OD, MS, Jennifer Sanderson, OD, John Neal, OD  
COPE ID: 41713-IS

8:00 AM 1 hour  Room 301-303  
**LV-12**  
**Incorporating Occupational Therapy into Your Low Vision Rehabilitation Practice**  
John Rundquist, OD, FAAO  
COPE ID: 41573-LV

8:00 AM 2 hours  Room 401-403  
**GO-11**  
**Women: Are We at Risk for Vision Morbidity?**  
Louise A. Sclafani, OD, FAAO, Diana L. Shechtman, OD, FAAO, Lori Grover, OD, PhD, FAAO, Melissa Barnett, OD, FAAO  
COPE ID: 41439-GO
8:00 AM 1 hour
SD-14
Hepatitis C, Interferon and the Optometrist
Alyon J. Wasik, OD, FAAO
COPE ID: 41561-SD

8:00 AM 1 hour
BV-14
Optometric Insights and Therapeutic Interventions for Cortical Visual Impairment
Curtis R. Baxstrom, OD, FCOVD, FAAO
COPE ID: 41245-FV

8:00 AM hour(s)
GR-07
Ellerbrock Presents: Grand Rounds VII
Moderator: Gerald Selvin, OD, FAAO

Vision Closing In on Me
Daniel M. Freed, OD, MD

Suprasellar Menigioma
Amy L. Pedersen, OD

Eyeball Pusher
Sherry Audycki, OD, FAAO
COPE ID: 41510-GO

8:00 AM 1 hour
CL-15
Analysis of Ocular Measurements and Scleral Lens Fitting Techniques
Chad M. Rosen, OD, FAAO, Josh Lotoczky, OD, FAAO
COPE ID: 41360-CL

8:00 AM 4 hour(s)
SE-09
Resident's Day Papers

8:30 AM 3.5 hour(s)
P-16
Papers: Anterior Segment/Contact Lens 5
Moderators: John M. Jackson, OD, MS, FAAO, and Jerry R. Paugh, OD, PhD, FAAO
8:30 AM. SOFT CONTACT LENS WEAR TIME AND SUBJECTIVE DRYNESS USING DIFFERENT CONTACT LENS MATERIALS AND SOLUTIONS (140085)
David A. Berntsen, OD, PhD, FAAO, University of Houston College of Optometry, Jessica H. Mathew, OD, PhD, FAAO, The Ocular Surface Institute (TOSI), University of Houston, Sheila B. Hickson-Curran, BSc (Hons), MCOptom, FAAO, Youssef Toubouti, Msc, Johnson & Johnson Vision Care, Inc., Jalaiah Varikooty, MSc, MBBS, Centre for Contact Lens Research, University of Waterloo, Sarah L. Smith, MCOptom, Eurolens Research, University of Manchester, Lyndon W. Jones, PhD, FCOptom, FAAO, Centre for Contact Lens Research, University of Waterloo, Philip B. Morgan, BSc(Hons), PhD, MCOptom, FAAO, Eurolens Research, University of Manchester, Jason J. Nichols, OD, PhD, FAAO, University of Alabama Birmingham School of Optometry

8:45 AM. EFFECTS OF LENS CARE SOLUTIONS ON COMFORT AND TEAR FILM STABILITY (140086)
Tiffany L. Yuen, OD, Britney Kitamata-Wong, Yixiu Zhou, PhD, Wing (Eric) Y. Li, OD, FAAO, Meng C. Lin, OD, PhD, FAAO, University of California Berkeley School of Optometry

9:00 AM. INFLUENCE OF LENS REPLACEMENT AND SCLERAL SWISH PART WAY THROUGH THE DAY ON CONTACT LENS COMFORT (140087)
Maria Navascues-Cornago, BSc, MSc, Philip B. Morgan, PhD, FAAO, FBCLA, Carole Maldonado-Codina, MSc, PhD, FAAO, Eurolens Research, The University of Manchester
SATURDAY, NOVEMBER 15

9:15 AM. VISUAL PERFORMANCE WITH CONTACT LENSES AFFECTS COMFORT RATINGS (140088)
Percy Lazon de la Jara, PhD, BOptom, FIACLE, Padmaja Sankaridurg, PhD, Brien Holden Vision Institute, Brien A. Holden, PhD, DSc, FAAO, Vision Cooperative Research Centre

9:30 AM. COMPARISON OF TWO SENSORY PANEL SELECTION STRATEGIES FOR BEGINNING AND END OF DAY LENS DISCOMFORT (140089)
William Ngo, OD, BSc, FAAO, Doerte Luensmann, PhD, Dipl Ing (AO), Sruthi Srinivasan, PhD, BSOptom, FAAO, Yunwei Feng, MD, MSc, PhD, University of Waterloo Centre for Contact Lens Research, Nancy Keir, OD, PhD, FAAO, CooperVision, Trefford Simpson, DipOptom, MSc, PhD, University of Waterloo School of Optometry & Vision Science

10:00 AM. EYELID MARGIN CHARACTERISTICS ASSOCIATED WITH A LARGE COHORT OF SOFT CONTACT LENS WEARERS (140080)
Stephanie M. Cox, OD, FAAO, University of Alabama, Birmingham, School of Optometry, David A. Berntsen, OD, PhD, FAAO, The Ocular Surface Institute, University of Houston, Neil Chatterjee, MSc, MCOptom, FAAO, Eurolens Research, University of Manchester, Sheila B. Hickson-Curran, MCOptom, Johnson & Johnson Vision Care, Lyndon W. Jones, PhD, FCOptom, FAAO, Amir M. Moezzi, MSc, OD, Centre for Contact Lens Research, University of Waterloo, Philip B. Morgan, PhD, MCOptom, Eurolens Research, University of Manchester, Jason J. Nichols, OD, PhD, FAAO, University of Alabama Birmingham School of Optometry
10:15 AM. **MEIBOMIAN GLAND ATROPHY RATE IN PRE-PRESBYOPIEC CONTACT LENS AND NON-CONTACT LENS WEARERS (140081)**
Sruthi Srinivasan, PhD, BSOptom, FAAO, University of Waterloo, Andrew D. Pucker, OD, MS, FAAO, Lisa A. Jones-Jordan, PhD, FAAO, The Ohio State University, Wing Li, OD, FAAO, University of California Berkeley School of Optometry, Justin Kwan, OD, FAAO, Marshall B. Ketchum University Southern California College of Optometry, Wolfgang Sickenberger, M.Sc. Optom, Dipl-Ing (FH)AO, Sebastian Marx, Dipl-Ing (FH) AO, FIACLE, Jena University, Meng C. Lin, OD, PhD, FAAO, University of California Berkeley School of Optometry, Lyndon W. Jones, PhD, FCOpptom, FAAO, Center for Contact Lens Research, University of Waterloo

10:30 AM. **FACTORS ASSOCIATED WITH MEIBOMIAN GLAND ATROPHY IN DAILY CONTACT LENS WEARERS (140082)**
Andrew D. Pucker, MS, OD, FAAO, Lisa A. Jones-Jordan, PhD, FAAO, The Ohio State University College of Optometry, Wing Li, OD, FAAO, University of California Berkeley School of Optometry, Justin T. Kwan, OD, FAAO, Marshall B. Ketchum University, Southern California College of Optometry, Meng C. Lin, OD, PhD, FAAO, University of California Berkeley School of Optometry, Wolfgang Sickenberger, MScOptom, Dipl-Ing (FH) AO, Sebastian Marx, Dipl.-Ing. (FH) AO, FIACLE, University of Applied Sciences, Sruthi Srinivasan, PhD, BSOptom, FAAO, Lyndon W. Jones, PhD, FCOpptom, FAAO, University of Waterloo, School of Optometry and Vision Science

10:45 AM. **DEVELOPMENT OF AN IMAGING SYSTEM TO DETECT CHANGES IN REDNESS OF THE EYELID MARGIN (140083)**
Michael L. Read, PhD, MCOptom, FBCLA, Philip B. Morgan, PhD, MCOptom, FAAO, Sarah L. Smith, BSc, Carole Maldonado-Codina, PhD, MCOptom, FAAO, The University of Manchester
11:00 AM. WHAT DRIVES SYMPTOM REPORTING WITH THE 8-ITEM CONTACT LENS DRY EYE QUESTIONNAIRE; LENS TYPE, REGION OR SEASON? (140084)

9:00 AM 2 hours
NO-08
Mile High Ballroom 2-3
Neuro Grand Rounds - How to Rule Out a Cranial Nerve Palsy
CEE
Kelly A. Malloy, OD, FAAO
COPE ID: 41210-NO

9:00 AM 3 hours
WK-20
Room 107
Fitting Peripheral Prisms for Hemianopia
Eli Peli, MSc, OD, FAAO
COPE ID: 41660-LV

9:00 AM 1 hour
LV-13
Room 301-303
Animating Low Vision Optics: How Magnification Field of View and Functional Ergonomics Interact in Practice
Alan W. Johnston, OD, PhD, FAAO
COPE ID: 41513-LV

9:00 AM 1 hour
AS-09
Room 405-407
Medical and Surgical Treatment of Chalazia
Aaron C. McNulty, OD, FAAO
COPE ID: 41200-AS

9:00 AM 2 hours
BV-15
Room 501-503
Current Strategies for Amblyopia Management: Glasses, Patches, Drops and More
Kristine B. Hopkins, OD, MSPH, FAAO
COPE ID: 41243-FV
9:00 AM 1 hour  
**GR-08**  
**Ellerbrock Presents: Grand Rounds VIII**
Moderator: Gerald Selvin, OD, FAAO

*Reduced VA and Constricted VF: Impairment Redefined*
  Elli J. Kollbaum, OD, FAAO

*Optometric Vision Therapy in an Adult with Infantile Esotropia*
  Debora M. Lee, OD, FAAO

*Iatrogenic Aniseikonia in a Pre-Operative Anisometrope*
  Jacqueline Theis, OD
COPE ID: 41511-GO

9:00 AM 1 hour  
**CL-16**  
**Scleral Lens Fitting Pearls: Case Presentations**
John T. Petrowski, OD, FAAO
COPE ID: 41450-CL

10:00 AM 2 hours  
**SS-13**  
**Retina SIG Symposium: Innovations in Retinal Care**
Steven G. Ferrucci, OD, FAAO, Greg R. Jackson, PhD, Brent Zanke, MD, Michael Tolentino, MD
COPE ID: 42640-GO

10:00 AM 2 hours  
**SD-15**  
**Diabetes and the Eye: What We Must Know**
William D. Townsend, OD, FAAO
COPE ID: 41224-SD

10:00 AM 1 hour  
**LV-14**  
**Making Technology Accessible for Low Vision Patients**
Lauren Hoffman, OD, FAAO
COPE ID: 41471-LV
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<th>Time</th>
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<tr>
<td>10:00 AM</td>
<td>Room 401-403</td>
<td>GL-08</td>
<td><strong>Cases in Normal Tension Glaucoma Management: Point-Counterpoint Discussion</strong></td>
<td>Brett J. King, OD, FAAO, Victor E. Malinovsky, OD, FAAO</td>
<td>41399-GL</td>
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<tr>
<td>10:00 AM</td>
<td>Room 405-407</td>
<td>AS-10</td>
<td><strong>New Diagnostic and Management Modalities of Dry Eye</strong></td>
<td>Brooke M. Messer, OD, Jason G. Jedlicka, OD, FAAO, Scott G. Hauswirth, OD, FAAO</td>
<td>41201-AS</td>
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<tr>
<td>10:00 AM</td>
<td>Room 505-507</td>
<td>SS-14</td>
<td><strong>Vision in Aging SIG Symposium: Vision in Aging Grand Rounds: Multidisciplinary Health Care and Insights</strong></td>
<td>Susan J. Leat, OD, FCOptom, FAAO, Kendra Sheppard, MD, MSPH, CMD, Sunny Linnbur, PharmD, FCCP, BCPS, Laura Newton, MEd, RD, LD, Mark Swanson, OD, FAAO, MSPH, John Kaminski, OD, FAAO</td>
<td>41980-FV</td>
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<tr>
<td>10:00 AM</td>
<td>Room 601-607</td>
<td>CL-17</td>
<td><strong>Myopia Control for the Busy Practitioner</strong></td>
<td>Diana Phuong-Anh Nguyen, OD, Karen Lai Yin Lee, OD, Harue J. Marsden, OD, MS, FAAO</td>
<td>41681-CL</td>
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<tr>
<td>11:00 AM</td>
<td>Mile High Ballroom 2-3</td>
<td>GO-12</td>
<td><strong>High Quality Care with Low Tech Equipment</strong></td>
<td>Christopher C. Cordes, OD, FAAO</td>
<td>41451-GO</td>
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<tr>
<td>11:00 AM</td>
<td>Room 301-303</td>
<td>LV-15</td>
<td><strong>Why are Mainstream Lenses Important in Low Vision Rehabilitation Care?</strong></td>
<td>Gary W. Asano, OD, FAAO</td>
<td>41472-LV</td>
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</table>
11:00 AM 1 hour  
PM-02  
Room 401-403  
How to Build Your Individual Brand as a Health Care Professional and Achieve Greater Personal and Career Success  
Brenda Bence, MBA, CSP  
COPE ID: 41684-PM

11:00 AM 1 hour  
PO-02  
Room 501-503  
Management of Patients Following Corneal Collagen Cross-Linking and Associated Procedures  
Ryan O. McKinnis, OD, FAAO  
COPE ID: 41532-PO

11:00 AM 1 hour  
CL-18  
Room 601-607  
Solving the Presbyopia Puzzle: 5 Tips for Multifocal Lens Success  
Amy E. Dinardo, OD, MBA, FAAO, Craig W. Norman, FCLSA  
COPE ID: 41612-CL

12:30 PM 2 hours  
GO-13  
Mile High Ballroom 1  
From Outdated to Updated: A Review of Important Clinical Trials in Ocular Disease from 2014  
Anthony P. DeWilde, OD, FAAO  
COPE ID: 41209-GO

12:30 PM 1 hour  
OP-09  
Mile High Ballroom 2-3  
“What A Pain in the E%E!” Pain Management for the OD  
Jane Ann Grogg, OD, FAAO  
COPE ID: 41476-AS

12:30 PM 1 hour  
NO-09  
Room Mile High 4  
Neuro-Radiology  
Tina R. Porzukowiak, OD, FAAO  
COPE ID: 36297-NO

12:30 PM 1 hour  
RS-03  
Room 401-403  
LASIK and PRK Zebras: Managing the Routine and Less Routine  
Dustin Andrew Krassin, OD, FAAO  
COPE ID: 41537-RS
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<tr>
<td>12:30 PM 1 hour</td>
<td>Room 501-503</td>
<td>Photos vs OCT: Does Old Technology Still Play a Role in Glaucoma Management?</td>
<td>Carl H. Jacobsen, OD, FAAO</td>
<td>41401-GL</td>
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<tr>
<td>12:30 PM 1 hour</td>
<td>Room 505-507</td>
<td>Prescribing for the Hyperopic Child</td>
<td>Raymond H. Chu, OD, MS, FAAO, Yin C. Tea, OD, FAAO</td>
<td>41514-GO</td>
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<tr>
<td>12:30 PM 1 hour</td>
<td>Room 601-607</td>
<td>Bitoric Bonanza</td>
<td>Annie Chang, OD, FAAO, Dawn Y. Lam, OD, FAAO</td>
<td>41380-CL</td>
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<tr>
<td>1:30 PM 2 hours</td>
<td>Four Seasons Ballroom</td>
<td>Resident’s Day Posters</td>
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<td>1:30 PM 2 hours</td>
<td>Mile High Ballroom 2-3</td>
<td>Pediatric Potpourri: What Every Primary Care OD Should Know</td>
<td>Susan A. Cotter, OD, MS, FAAO, Erin Christine Jenewein, OD, MS, FAAO</td>
<td>41442-GO</td>
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<tr>
<td>1:30 PM 2 hours</td>
<td>Room 301-303</td>
<td>Anterior Segment Disease: Treatment and Co-management</td>
<td>Alan Kwok, OD, FAAO, Michelle M. Hessen, OD</td>
<td>41202-AS</td>
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<tr>
<td>1:30 PM 1 hour</td>
<td>Room 401-403</td>
<td>Controlling the Visual Experience by Utilizing Fixed Corridor Progressive Lens Systems</td>
<td>Dennis W. Fong, OD, FAAO</td>
<td>41443-GO</td>
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<tr>
<td>1:30 PM 1 h</td>
<td>Room 501-503</td>
<td><strong>Laser-Assisted Cataract Surgery: Is It Worth It?</strong></td>
<td>Loretta Ng, OD, FAAO</td>
<td>41534-PO</td>
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<tr>
<td>1:30 PM 2 h</td>
<td>Room 505-507</td>
<td><strong>Preservation of the Corneal Graft</strong></td>
<td>Aaron W. Bronner, OD, FAAO</td>
<td>41533-PO</td>
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<tr>
<td>1:30 PM 1 h</td>
<td>Room 601-607</td>
<td><strong>Multifocal Contact Lenses - New Thoughts, New Understandings</strong></td>
<td>Matthew Lampa, OD, FAAO</td>
<td>41382-CL</td>
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<td>1:30 PM 1 h</td>
<td>Mile High Ballroom 4</td>
<td><strong>Diabetic Retinopathy</strong></td>
<td>Steven G. Ferrucci, OD, FAAO</td>
<td>37775-PS</td>
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<tr>
<td>2:30 PM 1 h</td>
<td>Mile High 4</td>
<td><strong>Co-Managing Vitreous Injections</strong></td>
<td>Steven G. Ferrucci, OD, FAAO</td>
<td>41535-PO</td>
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<td>2:30 PM 2 h</td>
<td>Mile High Ballroom 1</td>
<td><strong>Corneal Infections from A to Z (Acanthamoeba to Zoster)</strong></td>
<td>CEE Joseph P. Shovlin, OD, FAAO, Michael D. DePaolis, OD, FAAO</td>
<td>41216-AS</td>
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<tr>
<td>2:30 PM 2 h</td>
<td>Room 201-203</td>
<td><strong>Papers: Low Vision</strong></td>
<td>Moderators: Alex A. Black, BAppSc(Optom), MPH, PhD, and Lei Liu, PhD, FAAO</td>
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2:30 PM. EFFECT OF GAZE ECCENTRICITY AND BLUR ON STEPPING ACCURACY AMONG OLDER ADULTS (140090)
Alex A. Black, BAppSc(Optom), MPH, PhD, Joanne M. Wood, PhD, Mark Richardson, BVSc, Tom Urquhart, BVSc, Lisa Parker, BVSc, Diandra Drager, BVSc, School of Optometry and Vision Science, Institute of Health and Biomedical Innovation, Queensland University of Technology

2:45 PM. IMPROVING READING PERFORMANCE IN PERIPHERAL VISION: AN ADAPTIVE TRAINING METHOD (140091)
Allison J. Treleaven, Deyue Yu, PhD, FAAO, The Ohio State University College of Optometry

3:00 PM. IMPACT OF BACKGROUND CLUTTER REMOVAL USING CONFOCAL IMAGING ON OBJECT RECOGNITION WITH SIMULATED VISUAL PROSTHESIS (140092)
Eli Peli, MSc, OD, FAAO, Jae-Hyun Jung, PhD, Harvard University, Schepens Eye Research Institute, Yitzhak Yitzhaky, PhD, Beer Sheva, Doron Aloni, BSc, Ben-Gurion University of the Negev

3:15 PM. EFFECTS OF BLUR AND AUDIO DISTRACTORS ON EYE MOVEMENTS AND PERFORMANCE ON A HAZARD PERCEPTION TEST (140073)
Alex A. Black, BScOptom, MPH, PhD, Joanne Wood, PhD, Philippe Lacherez, PhD, Samantha SY Lee, BSc(Hons)Optom, Queensland University of Technology

3:30 PM. DO PERIPHERAL PRISMS AND TRAINING IMPROVE TIMELY DETECTION OF HAZARDS BY DRIVERS WITH HEMIANOPIA? (140094)
Alex R. Bowers, PhD, MCOptom, FAAO, Kevin E. Houston, OD, FAAO, Robert Goldstein, PhD, Eli Peli, OD, MS, FAAO, Harvard University, Schepens Eye Research Institute
3:45 PM. RIGHTWARD ASYMMETRIES IN THE COLLISION JUDGMENTS OF PATIENTS WITH LEFT HOMONYMOUS FIELD DEFECTS ARE EXPLAINED BY SUBCLINICAL LEFT HEMISPATIAL NEGLECT (140095)
Kevin E. Houston, OD, MSc, FAAO, Gang Luo, PhD, Russell L. Woods, PhD, FAAO, Eli Peli, OD, MS, FAAO, Alex R. Bowers, PhD, MCOptom, FAAO, Harvard University, Schepens Eye Research Institute

4:00 PM. QUANTITATIVE ASSESSMENT OF TRANSFERABILITY OF VIRTUAL REALITY LOW VISION ORIENTATION AND MOBILITY TRAINING TO REAL WORLD (140096)
Lei Liu, PhD, FAAO, Ellen Bowman, MS/COMS, University of Alabama at Birmingham School of Optometry

2:30 PM 1 hour
Room 301-303
PM-03
Doomsday Prepping your Office: Being Prepared without Being Paranoid
Kristopher A. May, OD, FAAO
COPE ID: 41515-PM

2:30 PM 1 hour
Room 401-403
PH-06
The Effects of Smoking on the Eye
Ryan Bullson, OD, FAAO
COPE ID: 41520-PB

2:30 PM 1 hour
Room 501-503
BV-16
How to Successfully Manage 7 Typical Pediatric Neuro-Ophthalmologic Conditions
James Hoekel, OD, FAAO
COPE ID: 41242-FV

2:30 PM 1 hour
Room 601-607
CL-21
Clinical Considerations and Contact Lens Management of the Boston Keratoprosthesis
Amy C. Nau, OD, FAAO, Scott P. Drexler, OD
COPE ID: 41383-CL
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<td>3:30 PM</td>
<td>301-303</td>
<td><strong>A Window into the Diabetic Body: Recognizing Possible End-Organ-Damage when Viewing the Retina</strong></td>
<td>Kuniyoshi Kanai, OD, FAAO, Brian E. Wolff, OD</td>
<td>41563-PS</td>
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<td>401-403</td>
<td><strong>Digital Lens Update — What's New in Ophthalmic Digital Lenses</strong></td>
<td>Dennis W. Fong, OD, FAAO</td>
<td>41444-GO</td>
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<td>501-503</td>
<td><strong>Preventing Employee Litigation Hiring Firing Discrimination and Harassment</strong></td>
<td>Pamela Joyce Larayne Miller, OD, JD, FAAO</td>
<td>41446-EJ</td>
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<td>505-507</td>
<td><strong>Optometric Care in the Nursing Home Setting - Is it Worth it?</strong></td>
<td>James Freddie Hill, OD, FAAO</td>
<td>41521-PB</td>
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<td>601-607</td>
<td><strong>Scleral Lens Applications for Normal Corneas</strong></td>
<td>Stephanie L. Woo, OD</td>
<td>41384-CL</td>
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**SATURDAY, NOVEMBER 15**

84 - EDUCATION
THURSDAY, NOVEMBER 13

Posters are available for viewing from 9:00 AM to 6:00 PM. All authors will be present from 4:00 to 6:00 PM.

 Boards | Topics
---|---
Posters 1-20 | Binocular Vision
Posters 21-62 | Cornea/Anterior Segment/Contact Lens
Posters 63-84 | Low Vision
Posters 85-114 | Optics/Refractive Error
Posters 115-135 | Pediatrics
Posters 136-174 | Visual Function/Perception

1. **AN INVESTIGATION OF TONIC ACCOMMODATION POSTURES IN MYOPIC AND NON-MYOPIC READERS UNDER MONOCULAR AND BINOCULAR VIEWING CONDITIONS (145001)**
   Roxanne Benoun, MA, Stefanie Drew, PhD, California State University, Northridge, Jian Ye, MD, PhD, Dept. of Ophthalmology, Daping Hospital, Amy Escobar, PhD, 2U, Inc. Eric Borsting, OD, MS, FAAO, Southern California College of Optometry at Marshall B. Ketchum University, Lawrence Stark, PhD, Southern California College of Optometry, Chunming Liu, OD, PhD, Chris Chase, PhD, FAAO, Western University of Health Sciences

2. **ASSESSMENT AND MANAGEMENT OF A PATIENT WITH HORIZONTAL AND VERTICAL MISALIGNMENT FOLLOWING MONOVISION LASIK (145002)**
   Leon Nehmad, OD, MSW, FAAO, State University of New York College of Optometry

3. **OBJECTIVE MEASUREMENT OF CHANGES IN ACCOMMODATIVE DYNAMICS THROUGHOUT FACILITY TREATMENT (145003)**
   Amanda E. Beaudry, Eric Borsting, OD, MS, FAAO, Lawrence Stark, PhD, Southern California College of Optometry at Marshall B. Ketchum University

4. **EFFECT OF PROGRESSIVE ADDITION LENSES AND BIFOCALS ON READING SPEED, READING RATE AND SACCADIC EYE MOVEMENTS IN FIRST TIME WEARERS (145004)**
   Ukti A. Shah, BOptom, Lotus College of Optometry, Jameel Rizwana Hussaindeen, MPhil Opt, FCVD-I, FAAO, Elite School of Optometry, Sankara Nethralaya

EDUCATION - 85
5. **STUDY OF PREVALENCE OF CONVERGENCE INSUFFICIENCY (CI) AMONG 9TH AND 10TH GRADE STUDENTS IN GWALIOR, INDIA (145005)**
   Anitha Arvind, MOptom, FBDO, Amity University Department of Optometry and Vision Science, Purendra Bhasin, MBBS, MS, Priyamvada Bhasin, MBBS, MS, Ratan Jyoti Netralaya Ophthalmic and Research Centre

6. **INTRA-VISION MOTION CONFLICTS: A POSSIBLE MOTION SICKNESS CAUSE OF STEREOSCOPIC 3D VIEWING (145006)**
   Alex D. Hwang, MS, PhD, Eli Peli, MSc, OD, FAAO, Schepens Eye Research Institute, Mass Eye and Ear, Harvard Medical School

7. **GOOGLE GLASS APPS FOR PATIENTS WITH CENTRAL AND PERIPHERAL FIELD LOSS (145007)**
   Alex D. Hwang, MS, PhD, Eli Peli, MSc, OD, FAAO, Schepens Eye Research Institute, Mass Eye and Ear, Harvard Medical School

8. **OPTICAL MANAGEMENT USING MONOVISION AND YOKED PRISM FOR ACQUIRED STRABISMUS AND NYSTAGMUS SECONDARY TO A NEURODEGENERATIVE DISEASE (145008)**
   Sung (Kelly) H. Lee, OD, Weon Jun, OD, FAAO, Portland Veterans Affairs Medical Center, Richard London, MA, OD, FAAO, Pacific University College of Optometry

9. **CHANGES IN EYE MOVEMENT SKILLS, ACCOMMODATION, AND VERGENCE FROM KINDERGARTEN TO 3RD GRADE (145009)**
   Christine L. Allison, OD, FAAO, FCOVD, Darrell G. Sch Lange, OD, FAAO, Illinois College of Optometry

10. **BINOCULAR VISION ANOMALIES AND NORMATIVE DATA (BAND) IN RURAL AND URBAN TAMILNADU – METHODOLOGY AND BASELINE DATA (145010)**
    Jameel Rizwana Hussaindeen, Mphil, FCOVD-I, FAAO, Krishna Kumar Ramani, PhD, Elite School of Optometry, Meenakshi Swaminathan, MS, Ronnie Jacob George, MS, Sankara Nethralaya
11. **A NOVEL AMBLYOPIA TREATMENT THAT PROMOTES BINOCULARITY, INCREASES COMPLIANCE AND DOES NOT CONSTRAIN DAILY ACTIVITIES (145011)**
Fuensanta A. Vera-Diaz, OD, PhD, FAAO, New England College of Optometry, Eric Hussey, OD, Spokane, WA, Catherine Johnson, OD, FAAO, Paulette Tattersall, DipPharm, MSc, Gayathri Srinivasan, OD, MS, FAAO, New England College of Optometry, William J. Gleason, OD, ForeSight Regulatory Strategies, Inc., David Spivey, OD, Ft. Worth, TX, Bruce D. Moore, OD, FAAO, New England College of Optometry

12. **ACCOMMODATIVE RESPONSE AS A FUNCTION OF REFRACTIVE STATUS (145012)**
Philipp Hessler, BSc, Stephan Degle, MSc, Dipl-Ing(FH), University of Applied Sciences Jena

13. **AMPLITUDE OF ACCOMMODATION IN STABLE AND PROGRESSING MYOPIA (145013)**
Philipp Hessler, BSc, Stephan Degle, MSc, Dipl-Ing(FH), University of Applied Sciences Jena

14. **MULTI-MODALITY TREATMENT REGIMEN LEADS TO STEREOPSIS RECOVERY AND ELIMINATION OF AMBLYOPIA & DIPLOPIA IN A TEENAGE CHILD: EVIDENCE OF NEUROPLASTICITY (145014)**
Reena Patel, OD, FAAO, Susan A. Cotter, OD, MS, FAAO, Southern California College of Optometry at Marshall B. Ketchum University

15. **THE CLINICAL STUDY ON BINOCULAR VISUAL FUNCTION OF ICL IMPLANTS ON HIGH MYOPIA PATIENTS (145015)**
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16. **USE OF EYE TRACKER TECHNOLOGY AS A MEANS OF VISION THERAPY-A CASE REPORT (145016)**
Jessilin Quint, MBA, MS, OD, Debra McConnaha, OD, Indiana University School of Optometry, Eleanor Luckcock, Rehabilitation Hospital of Indiana
17. **NEW METHOD TO PRODUCE STEREOSCOPIC IMAGES ON MOBILE LCD FOR OPTOMETRIC APPLICATIONS (145017)**
   Robert Herber, BSc, Stephan Degle, MSc, Dipl-Ing(FH), University of Applied Sciences Jena

18. **BINASAL OCCLUSION FOR POST-STROKE VISUAL-SPATIAL INATTENTION: THREE CASE PRESENTATIONS (145018)**
   Tressa F. Eubank, OD, FCVD, FAAO, Christina Esposito, OD, Southern College of Optometry

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   Ivan C. Wood, PhD, FAAO

21. **INFLUENCE OF LENS CASE DESIGN ON SERRATIA MARCESCENS BIOFILM REMOVAL FOR 3 SILICONE HYDROGEL DISINFECTING SOLUTIONS (145019)**
   Jessica K. Lantz, BS, Judith A. Perrigin, OD, FAAO, University of Houston College of Optometry

22. **FACTORS IN THE SUCCESS OF NEW CONTACT LENS WEARER RETENTION (145020)**
   Anna Sulley, MCOptom, FAAO, Johnson & Johnson Vision Care, Graeme Young, PhD, FCOptom, FAAO, Chris Hunt, MSc, Visioncare Research Ltd

23. **DETECTING THE ROOT CAUSE OF YOUR PATIENTS' DRY EYE: SJÖ™, AN ADVANCED DIAGNOSTIC FOR DETECTION OF SJÖGREN'S SYNDROME AUTOANTIBODIES (145021)**
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   Bianca Amthor, BScOptom, Ernst-Abbe University of Applied Sciences Jena, Sebastian Marx, Dipl-Ing (FH) AO, FIACLE, Ernst Abbe Hochschule Jena, Wolfgang Sickenberger, MScOptom, Dipl-Ing, (FH) AO, University of Applied Sciences Jena, Germany
25. **EVAPORATIVE DRY EYE TREATMENT WITH RETAINE MGD ARTIFICIAL TEARS OR INTRADUCTAL MEIBOMIAN GLAND PROBING – A COMPARISON (145023)**
Srihari Narayanan, OD, PhD, FAAO, Chandra V. Mickles, OD, FAAO, Charles Connor, OD, PhD, FAAO, Desirea Brinkley, Samantha Bohl, University of the Incarnate Word Rosenberg School of Optometry

26. **RATES OF ADVERSE EVENTS WITH HYDROGEL AND SILICONE HYDROGEL DAILY DISPOSABLES IN A LARGE POST-MARKET SURVEILLANCE REGISTRY – THE TEMPO REGISTRY (145024)**

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Kathleen Watt, BOptom(Hons), Isabelle Jalbert, OD, PhD, FAAO, Blanka Golebiowski, PhD, BOptom, Kam Chun Ho, MOptom, BSc(Hons)Optom, University of New South Wales School of Optometry and Vision Science

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Stephen J. Vincent, PhD, David Alonso-Caneiro, PhD, Michael Collins, PhD, FAAO, Queensland University of Technology

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Kishor Sapkota, MOptom, FIACLE, Dept. of Physics, University of Minho, Sandra Franco, PhD, Madalena Lira, Department of Physics/Optometry, University of Minho,

32. PROSPECTIVE STUDY TO COMPARE TWO DIFFERENT KINDS OF ILLUMINATIONS BY MEASURING THE NON-INVASIVE TEAR FILM BREAK-UP TIME BY MEANS OF A NOVEL VIDEO TOPOGRAPHER (145029)
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33. EFFECT OF DIABETES MELLITUS ON THE BIOMECHANICAL PROPERTIES OF THE CORNEA (145030)
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34. A SINGLE LIPIFLOW TREATMENT INCREASES SOFT CONTACT LENS WEARING TIME AND REDUCES LID WIPER EPITHELIOPATHY AND DRY EYE SYMPTOMS (145031)
Donald R. Korb, OD, FAAO, Korb Associates, Caroline A. Blackie, OD, PhD, FAAO, TearScience

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Melanie J. Frogozo, OD, FAAO, The Contact Lens Institute of San Antonio at Alamo Eye Care

36. CONJUNCTIVOCHALASIS: THE OTHER REASON FOR DRY EYE (145033)
Stephanie Leger, Zoe Lacroix, Etty Bitton, OD, MSc, FAAO, University of Montreal

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Jon Williams, PhD, FAAO, Bausch + Lomb, David G. Evans, OD, Memphis, TN, John Sheppard, MD, Virginia Eye Consultants, Gail Torkildsen, MD, Andover Eye Associates
38. LYMPHEDEMA-DISTICHIASIS SYNDROME: OCULAR & SYSTEMIC MANIFESTATIONS (145035)
   Sunni Martin, OD, Stephanie Farha, OD, Huntington VA Medical Center

39. RELATIONSHIP BETWEEN VISUAL ACUITY AND CORNEAL TORICITY IN PATIENTS SUCCESSFULLY FIT WITH ORTHOKERATOLOGY LENSES (145036)
   Annie Chang, OD, FAAO, Justin Kwan, OD, FAAO, Andrew Nguyen, PhD, Southern California College of Optometry at Marshall B. Ketchum University

40. COMPARATIVE STUDY OF 2 STRATEGIES TO REDUCE CONTACT LENS RELATED EYE DRYNESS (145037)
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41. THE EFFECT OF LENS CLEANING WITH A MULTIPURPOSE SOLUTION ON HAND-TO-LENS BACTERIAL CONTAMINATION (145038)
   Jerome Ozkan, BOptom, Mark Willcox, BSc(Hons), PhD, FAAO, University of New South Wales School of Optometry and Vision Science, Varsha Rathi, MBBS, DO, L V Prasad Eye Institute, Percy Lazon de la Jara, PhD, Brien A. Holden, PhD, DSc, FAAO, Brien Holden Vision Institute

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Chandra V. Mickles, OD, MS, FAAO, Charles G. Connor, PhD, OD, FAAO, Desirae Brinkley, Samantha Bohl, University of the Incarnate Word Rosenberg School of Optometry

44. **THE PREVALENCE AND TYPES OF OCULAR ALLERGY SUFFERERS (145041)**
Louis C. Dias, Brian Pall, OD, MS, FAAO, Johnson & Johnson Vision Care, Inc.

45. **POWER ANALYSIS OF GAS PERMEABLE MULTIFOCAL CONTACT LENSES (145042)**
Chad M. Rosen, OD, FAAO, Vision Research Institute, Michigan College of Optometry, Craig W. Norman, FCLSA, Vision Research Institute

46. **OPTICAL ABERRATIONS OF COSMETICALLY TINTED SOFT CONTACT LENSES (145043)**
Pete Kollbaum, OD, PhD, FAAO, Samuel R. Hargus II, OD, Dawn Meyer, OD, Martin Rickert, PhD, Indiana University School of Optometry

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Dawn M. Meyer, OD, Pete Kollbaum, OD, PhD, FAAO, Ping Situ, PhD, Carolyn Begley, OD, MS, FAAO, Indiana University School of Optometry, Trefford Simpson, MSc, PhD, University of Waterloo School of Optometry and Vision Science

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Florence Yeh, OD, Midwestern University Arizona College of Optometry
49. TRICHOMEGALY SECONDARY TO EPIDERMAL GROWTH FACTOR RECEPTOR INHIBITOR (145046)
Alice Au, OD, David C. Bright, OD, FAAO, Pauline Ilsen, OD, Xiao Yu, OD, West Los Angeles VA Medical Center

50. APPLICATION OF KERATOCONUS DETECTION INDICES TO THE DOWN SYNDROME POPULATION (145047)
Heather A. Anderson, OD, PhD, FAAO, Jason D. Marsack, PhD, University of Houston College of Optometry, Pete Kollbaum, OD, PhD, FAAO, Indiana University

51. IS CONTACT LENS COMFORT INFLUENCED BY CASE CONTAMINATION? (145048)
Daniel Tilia, BOptom(Hons), MOptom, GradCertOcTher, Percy Lazon de la Jara, PhD, BOptom, Thomas Naduvilath, PhD, Brien Holden Vision Institute

52. EFFECTS OF TESTOSTERONE AND ESTROGEN THERAPY ON DRY EYE IN POST-MENOPAUSAL WOMEN: A PILOT STUDY (145049)
Blanka Golebiowski, BOptom, PhD, Noor Badarudin, BOptom, John Eden, MB, FRCOG, Fiona Stapleton, MOptom, PhD, FAAO, University of New South Wales School of Optometry and Vision Science

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Shyam Panthi, BOptom, Jason J. Nichols, OD, PhD, FAAO, University of Alabama Birmingham School of Optometry

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David K. Murakami, MPH, OD, Caroline A. Blackie, OD, PhD, FAAO, Donald R. Korb, OD, FAAO, TearScience

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Jonathon Ross, BS, Jerry R. Paugh, OD, PhD, FAAO, Southern California College of Optometry at Marshall B. Ketchum University, Andrew Loc Nguyen, PhD, California State University, Fullerton

57. SUBJECTIVE QUESTIONNAIRE DATA COLLECTION USING TWO DIFFERENT SCALES (145054)
Wenjuan Joann Feng, MS, CooperVision, Inc., Jill Woods, BSc (Hons), Centre for Contact Lens Research, University of Waterloo, Nancy Keir, OD, PhD, Paul Chamberlain, BSc, CooperVision Inc.

58. EFFECTS OF LENS-CARE SOLUTIONS ON CORNEAL EPITHELIAL INTEGRITY (145055)
Britney Kitamata-Wong, Tiffany L. Yuen, OD, Yixiu Zhou, PhD, Wing Li, OD, FAAO, Meng C. Lin, OD, PhD, FAAO, University of California Berkeley

59. CHANGES IN PREDICTED LOGMAR IMAGE RESOLUTION DURING DEHYDRATION OF SILICONE HYDROGEL CONTACT LENSES (145056)
Paul Ludington, MS, Valeant Pharmaceuticals, Kristen K Hovinga, MS, Mohinder Merchea, OD, PhD, MBA, Bausch + Lomb

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61. COMPARISON OF LID SENSITIVITY AND OCULAR SURFACE STAINING IN DRY EYE PATIENTS TREATED WITH EITHER WARM COMPRESS OR MEIBOMIAN GLAND PROBING. (145058)
Charles G. Connor, PhD, OD, FAAO, Chandra V. Mickles, OD, MS, FAAO, Desirae Brinkley, Samantha Bohl, University of the Incarnate Word Rosenberg School of Optometry
62. **TEST EFFICACY OF THE FLUORESCINE TEAR BREAK-UP TIME (TBUT) IN TEST IN DRY EYE DIAGNOSIS (145059)**
Jerry R. Paugh, OD, PhD, FAAO, June Tse, OD, MS, Justin Kwan, OD, Andrew Nguyen, PhD, James LaMotte, PhD, OD, Southern California College of Optometry at Marshall B. Ketchum University

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William L. Brown, OD, PhD, FAAO, Mayo Clinic

64. **PREVALENCE, CHARACTERISTICS AND LV DEVICES PRESCRIBED FOR PATIENTS WITH COGNITIVE DEFICITS AT A VA LV CLINIC (145061)**
Joan A. Stelmack, OD, FAAO, Scott Sayers, PhD, Melissa Auyeung, OD, Molly O'Shaughnessey, OD, VA Edward Hines Blind Rehabilitation Center, Heather Whitson, MD, Durham VAMC

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Amy C. Nau, OD, FAAO, Korb and Associates, David Moffa, University of Pittsburgh

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Neisha M. Rodriguez, OD, MPH-G, Diyana Ivanova, Inter American University of Puerto Rico School of Optometry

67. **A COMPARISION OF PORTABLE VIDEO MAGNIFIERS (145064)**
Nicole Patterson, OD, MS, FAAO, Jamie Althoff, OD, David Loshin, OD, PhD, FAAO, Nova Southeastern University College of Optometry

68. **REPEATABILITY OF NIDEK MP-1 FIXATION MEASUREMENTS IN PATIENTS WITH BILATERAL CENTRAL FIELD LOSS (145065)**
Harold E. Bedell, PhD, FAAO, University of Houston, Joshua D. Pratt, PhD, Aberdeen, WA, Arunkumar Krishnan, BSOptom, University of Houston College of Optometry

69. **SENSITIVITY AROUND THE WORD-FIXATION PRL IN SUBJECTS WITH CENTRAL FIELD LOSS (145066)**
Arunkumar Krishnan, BSOptom, Harold E. Bedell, PhD, FAAO, University of Houston College of Optometry
70. ASSESSMENT OF MOTION SICKNESS AMONG THOSE WITH OCULOCUTANEOUS ALBINISM (145067)
Janis E. Winters, OD, FAAO, Tracy L. Matchinski, OD, FAAO, Illinois College of Optometry, Michael McGowan, MS, National Organization for Albinism and Hypopigmentation

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Jacques Gresset, OD, PhD, FAAO, Julie-Andrée Marinier, OD, MSc, University of Montreal School of Optometry

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Catherine Guilbert, OD, Marie-Pier Philie, Julie-Andrée Marinier, University of Montreal

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Jae-Hyun Jung, PhD, Eli Peli, OD, MSc, FAAO, Schepens Eye Research Institute, Mass Eye and Ear, Harvard Medical School

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Eli Peli, MSc, OD, Henry Apfelbaum, Schepens Eye Research Institute, Mass Eye and Ear, Harvard Medical School

76. DESIGN FOR SIGHT: IDENTIFYING DESIGN NEEDS FOR LOW VISION IN THE BUILT ENVIRONMENT (145073)
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Bradley E. Dougherty, OD, PhD, FAAO, Tatevik Movsisyan, Frederick Davidorf, MD, The Ohio State University College of Optometry

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Erin M. Draper, OD, FAAO, The Eye Institute, Rui Feng, PhD, Perelman School of Medicine at University of Pennsylvania, Sarah Appel, OD, Marcy Graboyes, MSW, Erin Engle, Elise Ciner, OD, The Pennsylvania College of Optometry at Salus University, Jonas Ellenberg, PhD, Dwight Stambolian, MD, PhD, Perelman School of Medicine at University of Pennsylvania

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Gregory L. Goodrich, PhD, FAAO, Shanida Ingalla, OD, Megan Dolkas, OD, VA Palo Alto Health Care System

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Kevin E. Houston, OD, MSc, FAAO, Eli Peli, MSc, OD, FAAO, Alex R. Bowers, PhD, MCOptom, FAAO, Schepens Eye Research Institute, Mass Eye and Ear, Harvard Medical School

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83. **ECCENTRIC VIEWING TRAINING WITH MICROPERIMETER FOR LOW VISION REHABILITATION IN A CASE OF MULTIFOCAL CHOROIDITIS (145080)**
Sarika Gopalakrishnan, BSOptom

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Alice K. Higgins, OD, Baltimore VA Medical Center

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86. **6 MONTH INTERIM ANALYSIS OF A FDA MULTICENTER US TOPOGRAPHY-GUIDED (T-CAT) LASIK FOR THE TREATMENT OF MYOPIA AND MYOPIC ASTIGMATISM (145083)**
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Lisa A. Ostrin, OD, FAAO, PhD, University of Houston College of Optometry

89. **TEMPORAL SEQUENCE OF FUNDUS CHANGES FROM PHYSIOLOGICAL TO PATHOLOGICAL MYOPIA: A PILOT STUDY (145086)**
Kathleen Abarr, OD, MS, Alexandra Benavente-Perez, MCOptom, PhD, FAAO, SUNY College of Optometry
90. **OPTIMAL SINGLE INTRAOCULAR LENS POWER FOR THE BURMESE POPULATION (145087)**
Lisa Ong, MSc, Sieh Yean Kiew, MBBS, Marcus Ang, MBBS, MMed(Ophth), MCI, Singapore National Eye Centre

91. **A NOVEL INTRAOCULAR LENS DESIGNED TO EXTEND NEAR AND INTERMEDIATE READING RANGE BASED ON DIFFRACTIVE TECHNOLOGY (145088)**
Eugenia K. Thomas, OD, Advanced Medical Optics, Inc., Sanjeev Kasthurirangan, BOptom, PhD, Abbott Medical Optics Inc., Kevin Waltz, OD, MD, Eye Surgeons of Indiana

92. **EFFECT OF VISUAL TASK ON RETINAL IMAGE QUALITY DURING ACCOMMODATION IN CHILDREN (145089)**
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Shrikant Bharadwaj, BSOptom, PhD, Samrat Sarkar, BSOptom, Pravin Vaddavalli, MS, L. V. Prasad Eye Institute

96. **HEMI-MERIDIONAL AND SECTORIAL VARIATION IN ASPHERICITY OF THE NORMAL HUMAN CORNEA IN RELATION TO ETHNICITY (145092)**
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97. **EFFECT OF SUPPLEMENTARY LENSES ON LOGMAR VISUAL ACUITY (VA) (145093)**
Joan K. Portello, OD, MS, FAAO, Mark Rosenfield, MCOptom, PhD, FAAO, Stephen Pereira, BOptom, FAAO, SUNY College of Optometry
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Allissun Hoppert, OD, Balamurali Vasudevan, BSOptom, PhD, FAAO, Sylvie Pham, Jo Pongsatien, Linda Trinh, Midwestern University Arizona College of Optometry

99. SPECTRAL AND TEMPORAL FREQUENCY DEPENDENT BINOCULAR PUPILLOMETRY (145095)
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Baskar Arumugam, BSOptom, PhD, Li-Fang Hung, OD, PhD, FAAO, University of Houston College of Optometry, Chi-Ho To, PhD, PDip Optom, Hong Kong Polytechnic University School of Optometry, Brien A. Holden, BSOptom, PhD, FAAO, Brien Holden Vision Institute, Earl L. Smith III, OD, PhD, FAAO, University of Houston College of Optometry

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Barbara M. Junghans, BOptom, PhD, FAAO, Andrew Barling, BScBOptom, Michelle Cremona, BScBOptom, Duncan Lu, BScBOptom, Michelle Ngo, BScBOptom, University of New South Wales Australia

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Thomas Kuyk, PhD, TASC, Inc., Leon McLin, OD, MS, 711th HPW/RHDO Air Force Research Laboratory, Michael Guevara, Augustin Morin, William Brockmeier, TASC, Inc.

104. LEVEL OF PRESBYOPIC SYMPTOMS IN UNDIAGNOSED PRESBYOPIC PATIENTS 38-50 YEARS OLD IN AN URBAN PHILADELPHIA OPTOMETRY CLINIC (145100)
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106. PRESBYOPIA & VDU WORK – PROGRESSIVE ADDITION LENSES (PALS) VS. OCCUPATIONAL PROGRESSIVE LENSES (OPLS) (145102)
Oliver Kolbe, BSc, MEng, Stephan Dege, MSc, Dipl-Ing(FH), University of Applied Sciences Jena

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108. VISUAL AND REFRACTIVE OUTCOMES WITH CONTRALATERAL COMBINATIONS OF LOW AND HIGH ADD ROTATIONALLY ASYMMETRIC INTRAOCULAR LENSES (IOLS) VERSUS BILATERAL TRIFOCAL IOLS (145103)
Andreas Hartwig, Dipl Ing (FH), FAAO, Shafiq Rehman, MBChB, FRCOphth, James Ball, MA, FRCOphth, Optegra Yorkshire Eye Hospital, Jay Dermott, BSc, Clare O'Donnell, PhD, Optegra Eye Sciences

109. LIGHT DISTORTION IN PRESBYOPIAC PATIENTS WITH ASPHERIC SYMMETRIC MULTIFOCAL AND MIX&MATCH CONTACT LENS FITTING (145104)
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Pablo de Gracia, MSc, PhD, FAAO, Barrow Neurological Institute
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Valerie E. Lam, OD, Rebekah Louie, OD, Raymond Chu, OD, FAAO, Southern California College of Optometry at Marshall B. Ketchum University

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Amanda Jean Bourgeois, OD, John Erickson, OD, FAAO, Nemours Children's Clinic

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Paula S. McDowell, OD, FAAO, RaeAnn Nordwall, OD, Angela Conley, Michigan College of Optometry at Ferris State

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Melissa Vydelingum, OD, Jason S. Ng, OD, PhD, FAAO, Maria Salado, Southern California College of Optometry at Marshall B. Ketchum University

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John P. Lowery, OD, MEd, FAAO, Pacific University College of Optometry
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Lindsay M. Elkins, OD, FAAO, Southern College of Optometry

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Deborah A. Orel-Bixler, OD, PhD, FAAO, Tonya Watson, OD, PhD, FAAO, University of California Berkeley School of Optometry, Suma Shankar, MD, PhD, Emory University School of Medicine

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Ge Wu, MD, Eye Hospital of Wenzhou Medical University, Xinpeng Yu, Jessie Bao, Drobe Bjorn, Hao Chen, WMU-Essilor International Research Centre, Wenzhou

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Yuwen Wang, MD, Eye Hospital of Wenzhou Medical University, Xinjie Mao, Zuopao Zhu, Björm Drobe, Hao Chen, WMU-Essilor International Research Centre, Wenzhou
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Kristine Huang, OD, MPH, FAAO, Raymond H. Chu, OD, MS, FAAO, Lynn Lowell, OD, Southern California College of Optometry at Marshall B. Ketchum University

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Michael Bowen, BSc (Hons), MSc, Beverley Hancock, PhD, Martin Cordiner, MA, The College of Optometrists

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Tamara Oechslin, OD, MS, Nicklaus Fogt, OD, PhD, FAAO, Marjean Kulp, OD, MS, The Ohio State University College of Optometry

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Melissa A. Suckow, OD, FAAO, Sandra S. Block, OD, MEd, FAAO, Illinois College of Optometry
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Brian Shih, BA, Jason S. Ng, OD, PhD, FAAO, Southern California College of Optometry at Marshall B. Ketchum University, Eriko Self, PhD, CSU Fullerton, John Vanston, Michael A. Crognale, PhD, University of Nevada Reno

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Brian Shih, BA, Jason S. Ng, OD, PhD, FAAO, Southern California College of Optometry at Marshall B. Ketchum University

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Balamurali Vasudevan, BSOptom, PhD, FAAO, Darren Terry, Laki De Mel, Ryan Felten, Sam Lee, Midwestern University Arizona College of Optometry

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Kristine N. Dalton, OD, PhD, FAAO, School of Optometry & Vision Science, University of Waterloo, Michael Cinelli, PhD, Wilfred Laurier University, S. Khizer Khaderi, MD, MPH, UC Davis Eye Center at the University of California, Davis, Amy Willms, University of Waterloo

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Edgar Ekure, OD, MSc, Hua Bi, OD, PhD, Bin Zhang, MD, PhD, Nova Southeastern University

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Markus Leicht, MSc, Stephan Degle, MSc, Dipl-Ing(FH), University of Applied Sciences Jena

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   Jose E. Capo-Aponte, OD, PhD, FAAO, Womack Army Medical Center, David V. Walsh, OD, PhD, FAAO, Gina Jurek, Leonard Temme, PhD, U.S. Army Aeromedical Research Laboratory

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   Eric Henker, Oliver Kolbe, BSc, Wolfgang Sickenberger, MScOptom, Dipl-Ing, (FH)AO, University of Applied Sciences Jena

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   Thanh T. Le, OD, Tim Luke, OD, Patrick O'Connor, MD, Gregg Wentworth, OD, Dipti Singh, OD, MPH, Justin Lee, OD, Iryna Falkenstein, MD, South Texas Veterans Healthcare System

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Rachel Currin, OD, VA Boston Healthcare System

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Kristen L. Kerber, New England College of Optometry, Peter Bex, PhD, Northeastern University, Frank Thorn, OD, PhD, Fuensanta Vera-Diaz, OD, PhD, FAAO, New England College of Optometry
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   Lacey Haines, BSc, OD, Luigina Sorbara, OD, MSc, FAAO, University of Waterloo School of Optometry and Vision Science

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   Sara N. Gaib, OD, FAAO, Balamurali Vasudevan, BSOptom, PhD, FAAO, Midwestern University Arizona College of Optometry

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   Marjorie J. Rah, OD, PhD, FAAO, Bausch + Lomb

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    Doerte Luensmann, PhD, Dipl Ing (Fh)AO, FAAO, Centre for Contact Lens Research, Ping Situ, BMed, PhD, Indiana University School of Optometry, Desmond Fonn, MOptom, FAAO, Lyndon W. Jones, PhD, FCOptom Centre for Contact Lens Research, University of Waterloo

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    Kristy Canavan, OD, Chantal Coles-Brennan, BSc, OD, FAAO, Ryan Butterfield, DrPH, MPH, Anna Sulley, BSc, MCOptom, FAAO, Johnson & Johnson Vision Care

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    Tawnya Wilson, OD, Michelle Carman Turnage, PhD, Kevin McCabe, Carrie Davis, Zohra Fadli, PhD, Johnson and Johnson Vision Care Inc., Ryan Butterfield, DrPH, MaxisIT
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Charis Lau, PharmD, OD, FAAO, Anna Sulley, BSc, MCOptom, Benjamin Straker, BAppSc Optom, K. Borm Little, MS, Giovanna Olivares, OD, FAAO, Johnson & Johnson Vision Care, Inc.

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Negar Babaei Omali, PhD, Boptom, Lakshman N. Subbaraman, PhD, BSOptom, FAAO, Marc Schulze, PhD, Dipl. Ing. (AO), FAAO Centre for Contact Lens Research, University of Waterloo, Miriam Heynen, MSc, CCLR, School of Optometry, University of Waterloo, Kristy Canavan, OD, Zohra Fadli, PhD, Johnson and Johnson Vision Care, Lyndon W. Jones, PhD, FCOptom, FAAO, University of Waterloo School of Optometry and Vision Science

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Negar Babaei Omali, PhD, Lakshman N. Subbaraman, PhD, BSOptom, FAAO, Miriam Heynen, MSc, CCLR, Miru Thangavelu, MScm, CCLR, Emma Dare, PhD, University of Waterloo School of Optometry and Vision Science, Kristy Canavan, OD, Zohra Fadli, PhD, Johnson and Johnson Vision Care, Lyndon W. Jones, PhD, FCOptom, FAAO, University of Waterloo, School of Optometry and Vision Science
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Charis Lau, PharmD, OD, FAAO, Meredith E. Jansen, OD, MS, Kathy Osborn Lorenz, OD, MS, Johnson & Johnson Vision Care, Inc., Joseph Kakkassery, PhD, Janssen, Danielle Boree, MS, Lenora Copper, MS, Johnson & Johnson Vision Care, Inc.

19. **DETERMINATION OF HIGHER ORDER ABERRATIONS WITH TWO SILICONE HYDROGEL TORIC LENSES (145188)**

Ulrike Stahl, PhD, Doerte Luensmann, PhD, Dipl Ing (AO), FAAO, University of Waterloo Centre for Contact Lens Research, Jessie Lemp, MS, DrPH, Alcon Research Ltd., Amir M. Moezzi, MSc, BOptom, Marc M. Schulze, PhD, Dipl Ing (AO), FAAO, Jalaiah Varikooty, MBBS, MSc, University of Waterloo Centre for Contact Lens Research, Kathryn A. Dumbleton, PhD, FAAO, Ocular Technology Group-International, Lyndon W. Jones, PhD, FCOptom, FAAO, University of Waterloo Centre for Contact Lens Research

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Thomas E. Angelini, PhD, University of Florida, Alison Dunn, PhD University of Illinois, Angela Pitenis, Kyle Schulze, Juan Manuel Urueña, W. Gregory Sawyer, PhD, University of Florida

21. **NEW TECHNOLOGY YIELDS DEHYDRATION RESISTANCE (145190)**

Robert Steffen, OD, MS, Daniel J. Hook, PhD, Jeffrey Schafer, OD, Ivan Nunez, Ph.D. Bausch + Lomb

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Sebastian Marx, Dipl-Ing (FH) AO, DO, JENVIS Research c/o Ernst Abbe University Jena, Stefan S. Schwarz, Dipl-Ing (FH) AO, Optometrie Schwarz, Mary Fahmy, OD, Jami Kern, PhD MBA, Cecile Maissa, PhD, Alcon Research Ltd.
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Manal Gabriel, DDS, PhD, John Bartell, PhD, Rhonda Walters, Cynthia McAnally, Monica Crary, PhD, Bradley Catalone, MBA, PhD, Alcon Research Ltd.

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Cheryl McKinnon, OD, PhD, FAAO, Paul Chamberlain, BSc, Wenjuan Feng, MS, CooperVision

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Meredith E. Jansen, OD, MS, FAAO, Charis Lau, PharmD, OD, FAAO, Brian Pall, OD, MS, Lenora Copper, MS, Johnson & Johnson Vision Care, Inc

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Cecile Maissa, Jared Nelson, Teresa DeCenzo-Verbeten, OD, David Kramer, PhD, Anna Martin, Alcon Research Ltd

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Michel Guillon, PhD, FAAO, Ocular Technology Group-International, Cecile Maissa, PhD, Alcon Research Ltd., Justin Kwan, OD, FAAO, Southern California College of Optometry at Marshall B. Ketchum University, Pinakin Gunvant Davey, PhD, OD, FAAO, Western University of Health Sciences, Jessie Lemp, MS, DrPH, Alcon Research Ltd.

28. **EYE CARE PROFESSIONAL AND CONTACT LENS WEARER PERSPECTIVES ON DIGITAL SCREEN DEVICES (145197)**
Brian Pall, OD, MS, FAAO, Michelle Wales, MMR, Evie Roussopoulou, MA, BSc, Johnson and Johnson Vision Care, Inc.
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Cecile Maissa, Michel Guillon, PhD, Stephanie Wong, BSc, Ross Thompson, Trisha Patel, BSc, Ocular Technology Group -International, Jessie Lemp, DrPH, Alcon Research Ltd

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