



The PREMIER Event  
in Eye Care Education

# 45th Annual Continuing Education Program

**Early  
Registration  
Rates  
Extended to  
Nov. 8, 2017**

**Nov. 10-12, 2017**

Hilton New Orleans Riverside Hotel



[www.jcahpo.org/ACE](http://www.jcahpo.org/ACE)





# NEUROSTIMULATION: A NEW APPROACH TO TEAR PRODUCTION

Imagine the Possibilities



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NON103262 11/16 163240

# Welcome to New Orleans

Join us in New Orleans

Friday to Sunday, Nov. 10-12, 2017,

for the **PREMIER EVENT IN EYE**

**CARE EDUCATION!**

On behalf of the Boards of Directors for the Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO) and the Association of Technical Personnel in Ophthalmology (ATPO), we invite you to experience and learn from over 280 ophthalmology experts in more than 270 courses and workshops at our 45th Annual Continuing Education Program and the 32nd Scientific Session!

This year we honor our U.S. and Canadian Military Personnel and Veterans with our program corresponding to Veterans Day and Remembrance Day (respectively). We are especially pleased to announce that JCAHPO's Harold A. Stein, MD Lecture will be given by Retired US Army Colonel Donald A. Gagliano, MD, MHA, FACHE, CPE. ATPO's Keynote address will be given by Edward J. Holland, MD, on limbal stem cell transplantation. These individuals will share their insights on serving our patients in ways that transcend our current medical models. You will be both motivated and inspired!

**REGISTRATIONS**—Registration fees *have not increased in over 10 years!* We provide you the highest quality education and training at the best price. New this year, Military personnel and Veterans will be able to attend at a significantly discounted registration fee.

## Innovative and Value-Added Programs

- **NEW COURSES AND WORKSHOPS**—JCAHPO has over **68** new courses and **13** workshops this year! You asked, we listened! We have over **50** courses and workshops at the Advanced and Masters levels.
- **BOOT CAMPS**—New Intermediate and Advanced levels skills training links three important skills to effectively improve your patient evaluations and testing outcomes.
- **BASIC TRACK**—Practice Managers, send your new ophthalmic assistant to the new three-day Basic Skills track that provides your new hires with the fundamentals for becoming an effective assistant.

## Future ACE Dates/Locations

October 26-28, 2018—Chicago

October 11-13, 2019—San Francisco

November 13-15, 2020—Las Vegas

November 12-14, 2021—New Orleans



William Astle, MD, FRCSC, DIPL. ABO  
JCAHPO President



Amy Jost, BS, COMT, CCRC, OSC  
ATPO President

- **TRAIN-THE-TRAINER**—Learn from ATPO's highly skilled experts on training teams with them sharing effective trainers' techniques.
- **CERTIFICATION EXAMINATION REVIEW SESSIONS**—Looking to advance your career by moving to the next certification level? Attend one of the three certification review sessions and begin your exam-prep.
- **NEW PROGRAMS**—We are pleased to announce that the Contact Lens Society of America (CLSA) will be collaborating with us on a one-day Contact Lens Symposium. This advanced program will feature specialty lenses and contact lens medical management; a light reception will follow the session.
- **MOBILE PROGRAM APP**—Don't miss out! Stay informed and access all the latest ACE 2017 conference information. Download JCAHPO's mobile conference app today!
- **FUN IN NOLA**—New Orleans has exciting events taking place right here in the Hilton Riverside Hotel! Mark your calendar and don't miss ATPO's Super Tech event—an action-packed game show-like event with prizes, laughter, and light reception.

Our Platinum Sponsor, Allergan, invites attendees to join them on Saturday as leading experts talk about clinical options in eye care and the role ophthalmic technicians play in patient care; a light reception follows.

**THANK YOU** to all our corporate sponsors, vendors, and equipment and instrument companies who support our ophthalmic eye care team training.

**REGISTER EARLY TO GET YOUR PREFERRED COURSES!**

Look for this year's special highlights in NOLA at the **PREMIER EVENT IN EYE CARE EDUCATION!**

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## JCAHPO's 45th ACE Program Planning Committee

Craig Simms, BSc, COMT, ROUB, CDOS (*Chair*)  
Bobbi Ballenberg, COMT, OSC  
Karl Golnik, MD, MEd  
Suzanne Hansen, MEd, COMT, OSC  
Christine McDonald, COA, COE, ROUB, OSC  
William Mieler, MD  
Todd Mondzelewski, MD, LCDR, MC(FS), USN  
Elizabeth Palkovacs, MD, FRCSC  
Frank Scribbick, MD  
Michael Stewart, MD

## ATPO's 32nd Annual Scientific Session Committee

Amy Jost, BS, COMT, CCRC, OSC (*Chair*)  
Jennifer Boush, COT, OSA, OSC  
Rolly Chapa, COT, OSA, OSC  
Sergina Flaherty, COMT, OSC  
Michelle Kaminski, COT, OSC  
Beth Koch, COT, ROUB  
Veronica Plessinger, COT  
Jacqueline Pullos, COMT, OSC  
Rhonda Mullen-Ullom, COT, FCLSA, OSC  
Verita Wiley, COT, OSC

## 2017 ACE Faculty Awards

JCAHPO would like to congratulate and thank the following instructors for their dedication and participation.

### 30 Years

- Steven A. Newman, MD

### 25 Years

- Peter C. Donshik, MD
- Peter R. Kastl, MD, PhD

### 20 Years

- Zoraida Fiol-Silva, MD
- Pamela D. Lichtenstein, COMT, OSA
- Jade S. Schiffman, MD

### 15 Years

- Abdhish R. Bhavsar, MD
- Charles S. Bouchard, MD
- Neil T. Choplin, MD
- Sergina M. Flaherty, COMT, OSC

### 10 Years

- Laurie Brown, MBA, COMT, COE, OSA, OCS, OSC
- Thomas E. Johnson, MD
- Michael T. Yen, MD

### 5 Years

- Maria Carla Blackburn, BSc, COMT, ROUB, CDOS
- Maria Eugenia Bretana, CDOS
- Beth J. Colon, COT, OSC
- Susan K. Corwin, COMT, CO
- Tracy L. Cruz, COA, CSA, OCS, OSA
- Robert Dale Emerson, COA
- Cynthia K. Diogo, COT, OSA, OSC
- Suzanne J. Hansen, MEd, COMT, OSC
- Robert M. Kershner, MD, MS, FACS
- Jan K. Ledford, COMT
- Wendy W. Lee, MD
- Mark Maio, FOPS
- Timothy G. Murray, MD, MBA
- Veronica L. Plessinger, COT
- Gregg C. Pusateri, OD
- Deborah K. Smith, COMT
- H. George Tanaka, MD
- James Richard Townley, III, MD
- Savory A. Turman, COMT, OCS
- Elizabeth Joy Woodke, OCS, COE

**NEW! ACE 2017 MOBILE APP:** Stay informed with access to all of the latest ACE 2017 conference information. Download JCAHPO's mobile conference app at [www.jcahpo.org/ACE!](http://www.jcahpo.org/ACE!)



# General Information

## Program Site

**JCAHPO AND ATPO:** Courses for Allied Ophthalmic Personnel will be held at the Hilton New Orleans Riverside Hotel, 2 Poydras Street, New Orleans, LA 70130. To reach us while in New Orleans, contact the hotel at 504-561-0500 and ask for the JCAHPO registration desk.

**American Academy of Ophthalmology:** The exhibit hall and courses for the physicians will be located at Ernest N. Morial Convention Center, 900 Convention Center Blvd., New Orleans, LA 70130.

## ACE Program Website

Visit [www.jcahpo.org/ACE](http://www.jcahpo.org/ACE) for up-to-date information related to the ACE Program, including sold out courses.

## Accommodations

Hotel reservations must be made through the AAO Housing Bureau. Housing for Allied Ophthalmic Personnel opens on July 12, 2017. See [www.aao.org/hotels](http://www.aao.org/hotels) for details.

### Hotel Information

Check In—3:00 pm | Check Out—12:00 Noon  
The hotel is 100% smoke free.

### Parking

Self Parking (garage) is \$39.00 per day.  
Valet Parking is \$49.00 per day.

## Transportation

### Airport:

Louis Armstrong International Airport  
Distance from hotel: 13 miles | Drive time: 25 minutes

### Airport Transportation

Airport Shuttle New Orleans, 866-596-2699  
[www.airportshuttleneworleans.com](http://www.airportshuttleneworleans.com)  
Rates: \$44.00 Round trip per person  
\$24.00 One-way per person

### Cab Fare from the Airport to the Hotel

A cab ride costs \$33.00 from the airport to the Central Business District (CBD) for one person and \$14.00 (per passenger) for three or more passengers. Pick up at the airport is on the lower level, outside the baggage claim area. There may be an additional charge for extra baggage.

## AAO Shuttle Service

Shuttle service will be provided for meeting attendees between most of the official AAO meeting hotels and the Hilton New Orleans Riverside Hotel during meeting hours. Please be sure to check the shuttle schedule in advance. Please allow sufficient time as the shuttle makes numerous hotel stops.

- Friday, November 10 (limited shuttle service)
- Saturday, November 11
- Sunday, November 12

## Pick up Tickets, Name Badge, and Tote Bag On-Site in the Churchill Room

Barcoded tickets are issued for ALL courses to ensure your admission. Pick up your meeting packets on-site. If you register:

- Before October 31—at the “**PRE REG**” desk.
- After October 31—at the “**REGISTRATION**” desk.

## On-Site Registration Hours

Hilton New Orleans Riverside Hotel, Churchill Room

Thursday, November 9 . . . . . 6:00 pm-9:00 pm  
(Limited hours for ticket and tote pick up ONLY)

Friday, November 10. . . . . 6:30 am-4:00 pm

Saturday, November 11 . . . . . 6:30 am-4:00 pm

Sunday, November 12. . . . . 6:30 am-3:00 pm

## The City of New Orleans

Visit [www.neworleanscvb.com](http://www.neworleanscvb.com) for local information, including where to eat and what to do in New Orleans.

## Cell Phones, Smoking Policies

Cell phones must be set to “silent” during lectures and workshops. Phone conversations in the classroom are strictly prohibited and you will be asked to leave the room. Smoking is prohibited in the hotel.

## JCAHPO Bookstore

Churchill Room, 2nd level—JCAHPO will sell our most popular products and books on-site. On-site bookstore orders will receive FREE SHIPPING and will be shipped to you following the conference.

## Exhibitors at Hilton New Orleans Riverside Hotel

JCAHPO hosts a variety of exhibitors during the ACE program. Visit the exhibits on Saturday and Sunday from 7:30 am-4:30 pm in the Chemin Royale foyer.

## AAO Exhibit Hall Hours—Ernest N. Morial Convention Center

JCAHPO and ATPO attendees may also purchase an AAO exhibit hall pass at a specially-reduced fee of \$95.00 which is good for the entire three and half days of the exhibition.

Saturday, November 11. . . . . 9:00 am-5:00 pm

Sunday, November 12. . . . . 9:00 am-5:00 pm

Monday, November 13. . . . . 9:00 am-5:00 pm

Tuesday, November 14. . . . . 9:00 am-1:00 pm

Visit JCAHPO in booth #3630 at the AAO Exhibit Hall.

# Registration Information

## Registration Deadlines

Registration fees increase after November 8—save money during Early Registration. Registration form and payment must be received (not postmarked) on or before the deadline to qualify for the respective registration fees.

**October 1 . . . . . Early Registration Closes**

**October 2 . . . . . Registration Price Increase**

**October 20 . . . . . Changes/Cancellation/  
Refunds Deadline**

**November 8. . . . . Last Day for  
Early Registration Pricing**

**November 9. . . . . Registration Price Increase**  
*Online registration still open*

**November 10-12 . . . . . On-Site Registration at  
Hilton New Orleans Riverside Hotel**

## Register Online, by Fax, or Mail

On-site registration fees are significantly higher and workshops sell out fast. To avoid long lines at the on-site registration desk and risk not getting your first choice of classes, be sure to pre-register.

Registrations received without payment will not be processed. **Save the \$50 processing fee by registering online.\***

**Online Registration** at [www.jcahpo.org/ACE](http://www.jcahpo.org/ACE) and click on REGISTER (preferred)

**Fax\*** your registration form and selections to 651-731-0410.

**Mail\*** your registration form and selections to  
JCAHPO, 2025 Woodlane Drive  
St. Paul, MN 55125-2998.

\*Registrations received by fax or mail will be assessed a \$50 processing fee.

## Cancellations and Refunds

- Cancellations must be received in writing. If registration is cancelled by October 20, 2017, the amount will be refunded less \$100.00.
- If you become certified prior to the program and initially paid the non-certified registration fee, you may request an appropriate refund by October 20, 2017. No refunds will be offered for changes after October 20, 2017.
- ATPO and CLSA memberships are non-transferable and non-refundable.

## Registration Changes

Changes to your initial registration may be made online through October 20, 2017, and on-site in New Orleans. You may add or delete LECTURES by logging into your account at [www.jcahpo.org](http://www.jcahpo.org)

Changes involving a financial transaction must be received in writing at the JCAHPO office by October 20, 2017, or handled by a JCAHPO staff member in New Orleans. Email change requests to [registrations@jcahpo.org](mailto:registrations@jcahpo.org) or FAX to 651-731-0410.

### Please Note:

- Transfer of courses from one registrant to another is not permissible.
- No refunds resulting from a registration change will be issued after the October 20, 2017, cancellation deadline.

## Registration Confirmations

Online registrants will receive an automated email confirmation at their preferred email address. Registrations that are mailed or faxed will be mailed a confirmation to the home address listed on the registration form. If no home address is listed, the work address will apply. Carefully review the confirmation when you receive it. If a course was sold out at the time you registered, it will NOT appear on your confirmation. If you have not received a confirmation by October 31, 2017, call JCAHPO at 800-284-3937 or email [registrations@jcahpo.org](mailto:registrations@jcahpo.org).

## Group Discounts Available

Group discounts apply to the JCAHPO Full Package Only. When two or more people from the same office register for the Full Package, only one person pays the regular fee, the additional registrants receive a \$25 discount for each additional Full Package registration. The name of the person paying the non-discounted fee must be written on the registration form under "Full Package" for verification. Group discount must be requested when completing the registration form—**no retroactive discounts will be granted.** (Not valid for ATPO and CLSA registrations.)

## NEW! Military and Veterans Registration

In honor of Veterans Day occurring during the ACE program, we are offering a Special Discounted Registration Fee for Military Personnel and Veterans from the U.S. and Canada.

JCAHPO and ATPO are offering Military and Veterans Full Packages that are discounted until October 31, when the price increases to the On-Site Fee.

JCAHPO Workshops and Boot Camps are the regular, additional fee. No other course combinations will be accepted. All other JCAHPO policies apply.

## NEW! Contact Lens Society of America

We are excited to offer the new Contact Lens Symposium in collaboration with the Contact Lens Society of America.

See page 29 for the Symposium information.

Registration for the full day Contact Lens Symposium (Saturday, November 11) is listed on page 6 of the Registration Form.

A half-day contact lens computer lab simulation will be held on Friday, November 10. Attendees must register.

## NEW! ACE 2017 Mobile App

Don't miss out! Stay informed with access to all of the latest ACE 2017 conference information. **Download JCAHPO's mobile conference app at [www.jcahpo.org/ACE](http://www.jcahpo.org/ACE)!**

Benefits include:

- Create your own custom conference schedule
- Interactive hotel maps
- Conference news, alerts and updates
- Course/Workshop descriptions and handouts
- On-site photo sharing
- Faculty listing

# Registration Form

JCAHPO & ATPO  
Continuing Education Program

## Register online and SAVE the \$50 processing fee. [www.jcahpo.org/ACE](http://www.jcahpo.org/ACE)

Registrations/Cancellations must be **received** on or before the following dates:

- Cancellations: **Oct. 20**
- Registration Price Increase: **Nov. 9**

Type or print clearly. Use one form per registrant.  
Duplicate this form for additional registrants.

JCAHPO ID # | ATPO Member # | Government Facility/Duty Location

### REGISTRANT INFORMATION

Please list the credentials you want  
to appear on your name badge (limit two)

Date of Birth (mm/dd/yy) / /

Name ☐ Ms. ☐ Mrs. ☐ Mr.

( )

First

M.I.

Last

Former name, if applicable

Home Address

City

State

Zip

Home Telephone - -

Preferred Email Address

### IN CASE OF EMERGENCY, PLEASE NOTIFY

Name

Telephone Number

Which category best describes your professional activities? (Check all that apply)

- |  |   |   |  |
|--|---|---|--|
| <input type="checkbox"/> Administration/Management   | <input type="checkbox"/> Contact Lenses   | <input type="checkbox"/> Nursing                | <input type="checkbox"/> Scribe                            |
| <input type="checkbox"/> Clinical/Diagnostic Testing | <input type="checkbox"/> Front Office     | <input type="checkbox"/> Ophthalmic Photography | <input type="checkbox"/> Student (Program Director: _____) |
| <input type="checkbox"/> Clinical Research           | <input type="checkbox"/> Laser Technology | <input type="checkbox"/> Optical                | <input type="checkbox"/> Surgical Assisting                |
| <input type="checkbox"/> Coding Specialist           | <input type="checkbox"/> Low Vision       | <input type="checkbox"/> Orthoptics             | <input type="checkbox"/> Surgical Coordinator              |
|  |   |   | <input type="checkbox"/> Other _____                       |

Number of years worked in ophthalmology:

Number of years with current employer:

### EMPLOYER INFORMATION

Name of Practice

Business Address

City

State

Zip

Business Telephone - -

Ext.

Fax Number - -

Employer's Practice Emphasis (Check all that apply)

- |  |   |  |  |
|--|---|--|--|
| <input type="checkbox"/> Cornea and External Disease | <input type="checkbox"/> Glaucoma             | <input type="checkbox"/> Oculoplastic/Reconstructive Surgery | <input type="checkbox"/> Refractive Surgery          |
| <input type="checkbox"/> Cataract and IOL            | <input type="checkbox"/> Low Vision           | <input type="checkbox"/> Optical Dispensing                  | <input type="checkbox"/> Retina and Vitreous Disease |
| <input type="checkbox"/> Comprehensive Ophthalmology | <input type="checkbox"/> Neuro-Ophthalmology  | <input type="checkbox"/> Pediatric Ophthalmology/Strabismus  | <input type="checkbox"/> Other _____                 |
| <input type="checkbox"/> Contact Lens                | <input type="checkbox"/> Ophthalmic Pathology |  |  |

### METHOD OF PAYMENT Registrations received without payment will NOT be processed.

☐ Check ☐ Money Order ☐ VISA ☐ MasterCard ☐ Discover ☐ American Express

If paying by check or money order, please make payable to JCAHPO. Checks must be in U.S. dollars.

If paying with a credit card, please complete the information below.

A \$25 fee will be assessed for declined checks and declined credit cards.

JCAHPO reserves the right to adjust registration charges originally paid with a credit card via fax, mail, or internet if the amount originally paid was deficient or excessive. The credit card account will be charged or credited and the cardholder will be provided with a notice of the adjustment.

Card #

Expiration Date

/

Security Code

Payer's Name (Please PRINT)

Payer's Billing Address

City

State

Zip

Authorized Signature **X**

Have you previously attended a JCAHPO Annual CE Program? ☐ YES ☐ NO



☐ **Special accommodations:** JCAHPO provides reasonable and appropriate accommodations to individuals with documented disabilities who demonstrate a need for special accommodations. Specific special accommodations should be related to functional limitations. Please include additional supporting documentation from the medical professional who diagnosed the condition. It is essential that the documentation of the disability provide a clear explanation of the current functional limitation(s) and a rationale for the requested accommodation.

Please indicate registration selections on reverse side. →

- Register online at [www.jcahpo.org/ACE](http://www.jcahpo.org/ACE) and click on REGISTER
- Send registration form with payment to:  
JCAHPO, 2025 Woodlane Drive, St. Paul, MN 55125-2998
- Fax: 651-731-0410

Questions? 800-284-3937. To avoid duplication, please do not mail and fax registrations.

# Registration Form

NAME

ID#

JCAHPO							Amount																			
<b>Full Package (Any lectures Friday through Sunday)</b> List course numbers below. \$25 Group Discount for Full Package: See page 4 for details. Discount must be requested at this time—no retroactive discounts will be granted. Name of registrant with the non-discounted fee: _____	<b>Certified</b> (COA, CCOA, COT, COMT, ROUB, CDOS, OSC)			<b>Non-Certified</b>																						
	Early Reg by Oct. 1	Reg by Nov. 8	On-site	Early Reg by Oct. 1	Reg by Nov. 8	On-site																				
	\$350	\$420	\$490	\$475	\$555	\$615		\$																		
<b>1-Day Package (Any lectures on ONE day of your choice)</b> List course numbers below. Check ONE: <input type="checkbox"/> FR <input type="checkbox"/> SA <input type="checkbox"/> SU	\$220	\$290	\$360	\$260	\$330	\$400	\$																			
<b>Military and Veteran Full Package (Any lectures)</b>	\$100	\$100	\$150	\$100	\$100	\$150	\$																			
<b>Boot Camps and Workshops</b> Sold only in conjunction with packages above. You MUST register below for the required prerequisite lecture if one is listed.	\$30 per hour	\$35 per hour	\$40 per hour	\$35 per hour	\$40 per hour	\$45 per hour	# of hours x fee = \$																			
<b>List Course Numbers to Register</b> <ul style="list-style-type: none"> <li>Barcoded tickets will be issued for pickup on-site.</li> <li>Lecture course numbers end with a number, e.g., 01SU3. Workshop course numbers end with a "W," e.g., 12SU4W</li> <li>You MUST also register for the required prerequisite lecture if listed.</li> </ul> <b>Prerequisite Courses:</b> <table border="1"> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td></tr> </table>																					Friday	Saturday	Sunday			
<b>ATPO</b>							Amount																			
<b>Join or renew your ATPO membership and receive member registration pricing.</b> <input type="checkbox"/> New <input type="checkbox"/> Renewing <input type="checkbox"/> \$75 (1 year) <input type="checkbox"/> \$175 (3 years) <input type="checkbox"/> Joint ATPO/CLSA Member (\$170/year)							\$																			
<b>Scientific Session + Grand Rounds (Saturday &amp; Sunday)</b> Includes: Lunch, refreshment breaks both days, and "Who Wants to Be a Super Tech?" on Saturday.	<b>ATPO Member</b>			<b>Non-Member</b>																						
	Early Reg	Reg	On-site	Early Reg	Reg	On-site																				
	\$300	\$355	\$390	\$375	\$430	\$465	\$																			
<b>Scientific Session + Grand Rounds (Saturday &amp; Sunday)</b> <b>Plus JCAHPO Lectures on Friday</b> List course numbers in JCAHPO's registration section above.	\$460	\$580	\$605	N/A			\$																			
<b>Military and Veteran ATPO Full Package</b>	\$150	\$150	\$200	\$150	\$150	\$200	\$																			
	COA	COT	COMT	COA	COT	COMT																				
<b>Written Exam Review (Friday)</b>	<input type="checkbox"/> \$55	<input type="checkbox"/> \$75	<input type="checkbox"/> \$75	<input type="checkbox"/> \$130	<input type="checkbox"/> \$150	<input type="checkbox"/> \$150	\$																			
<b>Practical Exam Review (Friday)</b>		<input type="checkbox"/> \$75	<input type="checkbox"/> \$90		<input type="checkbox"/> \$150	<input type="checkbox"/> \$165	\$																			
<b>Train the Trainer (Friday)</b>	\$95			\$140			\$																			
<b>Super Tech Program and Reception only</b>	\$40			\$55			\$																			
<b>CLSA</b>							Amount																			
<b>Join or renew your CLSA membership and receive member registration pricing</b> <input type="checkbox"/> New <input type="checkbox"/> Renewing <input type="checkbox"/> CLSA Member (\$155/year) <input type="checkbox"/> Joint CLSA/ATPO Member (\$170/year)							\$																			
<b>Full-Day Package (Saturday)</b> If you are a CLSA Member or NCLE certified, you are eligible for "Certified" pricing options. Includes lunch and reception. JCAHPO CE and NCLE CE credits available.	<b>CLSA Member/Certified</b>			<b>Non-Member/Non-Certified</b>																						
	Early Reg	Reg	On-site	Early Reg	Reg	On-site																				
	\$160	\$185	\$200	\$175	\$200	\$215																				
<b>Member Package (Saturday)</b> <b>Plus JCAHPO Lectures on Friday &amp; Sunday</b> List course numbers in JCAHPO's registration section above.	\$385	\$455	\$525	N/A																						
<b>MISCELLANEOUS</b>																										
<b>AAO Four-Day Exhibit Hall Pass</b> (Sold only to JCAHPO, ATPO and CLSA registrants. See page 3.)				\$95			\$																			
<b>Harold A. Stein, MD Lecture</b> (Registration required)				<input type="checkbox"/> YES! Sign me up.			<b>FREE</b>																			
<b>Foundation Donation</b> (Receive a free water bottle)				<input type="checkbox"/> \$1 <input type="checkbox"/> \$5 <input type="checkbox"/> Other \$_____			\$																			
<b>Register Online and SAVE \$50!</b>						Processing Fee	\$ 50.00																			
						<b>Grand Total</b>	<b>\$</b>																			

JCAHPO reserves the right to adjust registration charges originally paid with a credit card via fax, mail, or internet if the amount originally paid was deficient or excessive. The credit card account will be charged or credited and the cardholder will be provided with a notice of the adjustment. (Make all checks payable to JCAHPO)



# Online Prerequisites and CE Credits

## Prerequisite Lectures Online

Introductory courses are now offered in advance of the conference at [www.EyeCareCE.org](http://www.EyeCareCE.org). They will NOT be offered on-site in New Orleans.

The workshops below require prerequisite lectures that are being offered online **at no extra cost** in advance of the conference.

The prerequisite online courses will be available in advance of the Annual CE Meeting from July 15-December 15. The prerequisite, introductory courses will NOT be offered on-site. Upon completion of each course (with an 80% or higher passing grade on a short quiz), you will earn one CE Credit.

You may also register for these online lectures without purchasing workshops.

After registering for the workshop, you will receive confirmation that you are registered for the introductory course and can access it online.

### To access the online course(s):

1. Go to: [www.EyeCareCE.org](http://www.EyeCareCE.org).
2. Click the "My Courses" button.
3. If prompted, log on using your JCAHPO username and password.
4. Under "Purchased Courses" find the title of the prerequisite course.
5. Click the "Launch Course" button.

## Sub-Specialty Sessions

Sub-specialty sessions are held each day. Sessions offered are: Retina, Glaucoma, Clinical Trials, Practice Management, and Scribing. See the Day-at-a-Glance pages and page 19 for details.

## Continuing Education (CE) Credit\*\*

CE credits awarded are listed in the Course Descriptions section starting on page 33. Along with CE credits awarded by JCAHPO, each course lists CE credits awarded by the following organizations:

- American Orthoptic Council: Core (AOC-C) (AOC-NC)
- Ophthalmic Photographers' Society (OPS 1:1), (OPS 1:2)
- California Board of Registered Nursing (CABRN)  
*Provider approved by the California Board of Registered Nursing, Provider Number 13516 for 159 contact hours.*

**ATPO Program**—Please refer to pages 13-16 for information on CE credits awarded by JCAHPO, AOC, and OPS.

**CLSA Program**—Please refer to page 30 for information on CE credits awarded by JCAHPO. Courses have been submitted to the ABO-NCLE for continuing education credit.

## Verification of CE Credits Earned

Attendees can access CE credits earned by logging into their JCAHPO online account approximately 8-10 weeks after the program. No statements will be mailed. It is every registrant's responsibility to check posted CE credits. **You must submit written correction requests to JCAHPO by January 31, 2018.**

Courses are monitored and attendees arriving late or leaving early from a course are documented. **If you miss more than 10 minutes of a course hour, CE credit will be denied for the entire hour.**

\*\* Disclaimer: In granting continuing education credit to a course or materials, JCAHPO and ATPO do not warrant or express an opinion regarding the content of the continuing education courses or materials, the accuracy of information presented, or the skills and qualifications of the course presenters, sponsors, or authors.

## Handouts Online

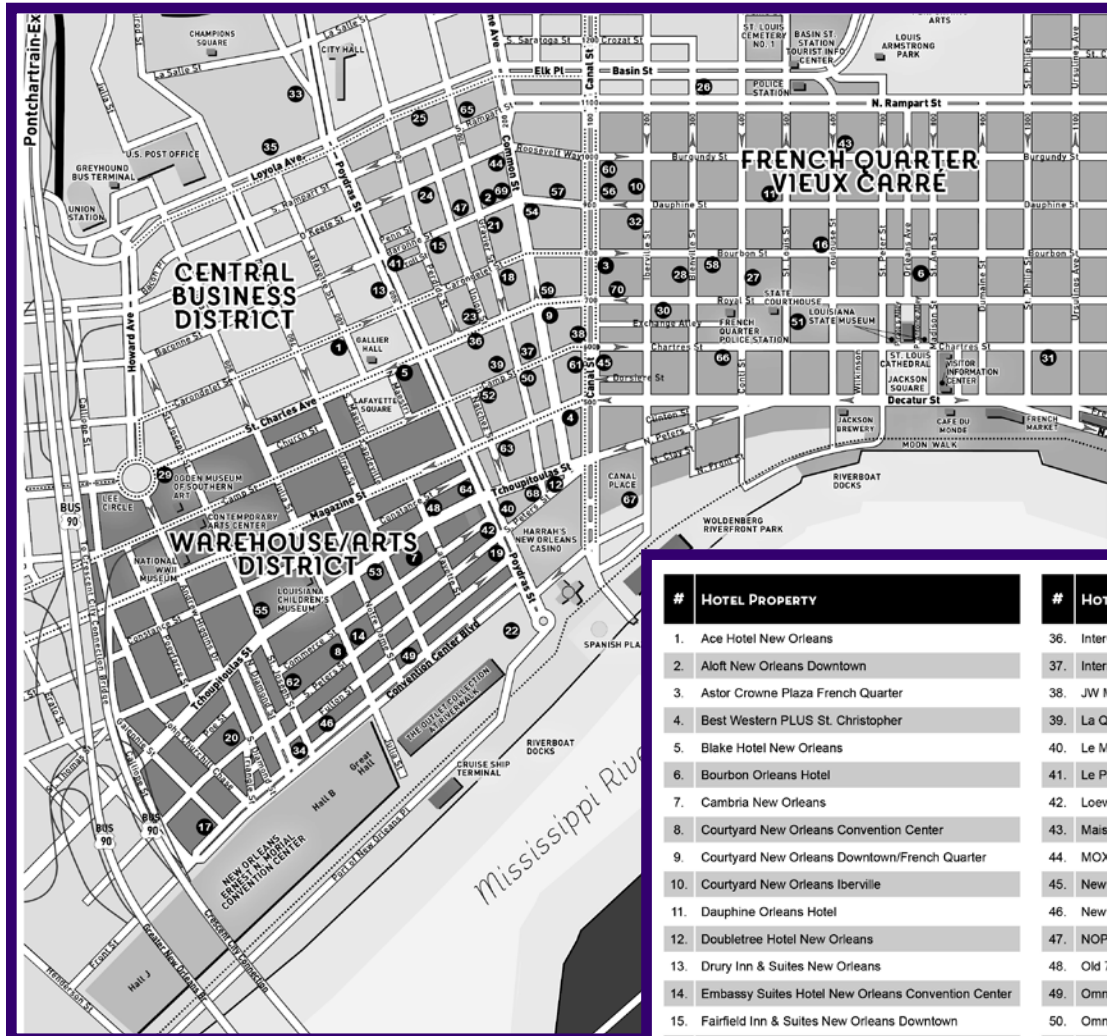
**JCAHPO, ATPO and CLSA do not provide handouts on-site.**

We will email you a link and instructions for downloading and printing handouts in October. Handouts for courses purchased on-site may also be viewed on your mobile device and can be printed in the hotel business center; however, be advised that hotels typically charge a fee for internet access and printing. Handouts will also be available for one month following the ACE program.

Workshops Offered at ACE Program in New Orleans	Prerequisite, Introductory Courses—Offered Online
Keratometry	Introduction to Keratometry
Tonometry	Introduction to Tonometry
Retinoscopy—Basic	Introduction to Basic Retinoscopy
A-Scan Biometry	Introduction to Ultrasound Biometry
Slit Lamp Microscopy	Introduction to the Use of the Slit Lamp Microscope
Diagnostic B-Scan Ophthalmic Ultrasound	Introduction to Contact B-Scan Ultrasonography
Refractometry—Minus Cylinder	Introduction to Practical Refractometry—Minus Cylinder
Refractometry—Plus Cylinder	Introduction to Practical Refractometry—Plus Cylinder
UBM	Introduction to UBM
Retinoscopy—Intermediate	Learning Systems: Retinoscopy and Refinement
Pentacam Topography Workshop	Introduction to Corneal Topography

# City Map of Hotels

To secure housing and see details, go to [www.aao.org/hotels](http://www.aao.org/hotels).  
Housing for Allied Ophthalmic Personnel opens on July 12, 2017.



#	HOTEL PROPERTY	#	HOTEL PROPERTY
1.	Ace Hotel New Orleans	36.	InterContinental New Orleans
2.	Aloft New Orleans Downtown	37.	International House New Orleans
3.	Astor Crowne Plaza French Quarter	38.	JW Marriott New Orleans
4.	Best Western PLUS St. Christopher	39.	La Quinta Inn & Suites New Orleans Downtown
5.	Blake Hotel New Orleans	40.	Le Meridien New Orleans
6.	Bourbon Orleans Hotel	41.	Le Pavilion Hotel
7.	Cambria New Orleans	42.	Loews New Orleans Hotel
8.	Courtyard New Orleans Convention Center	43.	Maison Dupuy Hotel
9.	Courtyard New Orleans Downtown/French Quarter	44.	MOXY New Orleans Downtown/French Quarter
10.	Courtyard New Orleans Iberville	45.	New Orleans Marriott
11.	Dauphine Orleans Hotel	46.	New Orleans Marriott at the Convention Center
12.	Doubletree Hotel New Orleans	47.	NOPSI Hotel
13.	Drury Inn & Suites New Orleans	48.	Old 77 Hotel & Chandlery
14.	Embassy Suites Hotel New Orleans Convention Center	49.	Omni Riverfront New Orleans
15.	Fairfield Inn & Suites New Orleans Downtown	50.	Omni Royal Crescent Hotel
16.	Four Points by Sheraton French Quarter	51.	Omni Royal Orleans Hotel
17.	Hampton Inn & Suites New Orleans Convention Center	52.	Q and C HotelBar-Marriott Autograph Collection
18.	Hampton Inn New Orleans Downtown	53.	Renaissance New Orleans Arts Hotel
19.	Harrah's New Orleans	54.	Renaissance New Orleans Pere Marquette Hotel
20.	Hilton Garden Inn New Orleans Convention Center	55.	Residence Inn New Orleans Convention Center
21.	Hilton Garden Inn New Orleans French Quarter/CBD	56.	Ritz-Carlton New Orleans
22.	Hilton New Orleans Riverside	57.	Roosevelt New Orleans - A Waldorf Astoria Hotel
23.	Hilton New Orleans St. Charles Ave.	58.	Royal Sonesta Hotel
24.	Holiday Inn Express New Orleans Downtown	59.	Royal St. Charles Hotel
25.	Holiday Inn New Orleans Downtown Superdome	60.	Saint Hotel, Autograph Collection
26.	Homewood Suites New Orleans French Quarter	61.	Sheraton New Orleans Hotel
27.	Hotel Le Marais	62.	SpringHill Suites New Orleans Convention Center
28.	Hotel Mazarin	63.	St. James Hotel
29.	Hotel Modern	64.	Staybridge Suites New Orleans
30.	Hotel Monteleone	65.	Troubadour
31.	Hotel Provincial	66.	W New Orleans French Quarter
32.	Hyatt Centric French Quarter New Orleans	67.	Westin New Orleans Canal Place
33.	Hyatt House New Orleans Downtown	68.	Windsor Court Hotel
34.	Hyatt Place New Orleans Convention Center	69.	Wyndham Garden Barrone Plaza New Orleans
35.	Hyatt Regency New Orleans	70.	Wyndham New Orleans French Quarter

# Joint Meeting Hotels

Hotel	Single/ Double Rate*	Suites Starting at	Comp Breakfast	Comp Internet	Rest/Lounge	Room Service	Fitness Facility	Approx. Distance	One Way Travel**
1 Ace Hotel New Orleans	\$269			•	•	•	•	0.9 miles	20-25 min.
2 Aloft New Orleans Downtown	\$274			•			•	1.3 miles	17-22 min.
3 Astor Crowne Plaza French Quarter	\$280	\$525		•	•	•	•	1.6 miles	17-22 min.
4 Best Western PLUS St. Christopher	\$202		•	•				1.1 miles	10-15 min.
5 Blake Hotel New Orleans	\$181			•	•	•	•	0.9 miles	20-25 min.
6 Bourbon Orleans Hotel	\$269			•	•	•	•	1.6 miles	18-23 min.
7 Cambria New Orleans	\$281			•	•		•	0.8 miles	Walk
8 Courtyard New Orleans Convention Center	\$246			•			•	0.3 miles	Walk
9 Courtyard New Orleans Downtown/French Quarter	\$269			•			•	1.2 miles	10-15 min.
10 Courtyard New Orleans Iberville	\$280			•	•		•	1.4 miles	17-22 min.
11 Dauphine Orleans Hotel	\$259		•	•			•	1.4 miles	19-24 min.
12 Doubletree Hotel New Orleans	\$235			•	•	•	•	0.9 miles	12-17 min.
13 Drury Inn & Suites New Orleans	\$189	\$219	•	•			•	1.0 miles	20-25 min.
14 Embassy Suites Hotel New Orleans Convention Center	\$240	\$265	•	•	•	•	•	0.3 miles	Walk
15 Fairfield Inn & Suites New Orleans Downtown	\$268		•	•	•		•	1.1 miles	17-22 min.
16 Four Points by Sheraton French Quarter	\$219	\$419		•	•	•	•	1.3 miles	18-23 min.
17 Hampton Inn & Suites New Orleans Convention Center	\$268	\$318	•	•			•	0.1 miles	Walk
18 Hampton Inn New Orleans Downtown	\$224	\$274	•	•			•	1.4 miles	15-20 min.
19 Harrah's New Orleans	\$370			•	•	•	•	0.7 miles	12-17 min.
20 Hilton Garden Inn New Orleans Convention Center	\$221			•	•	•	•	0.1 miles	Walk
21 Hilton Garden Inn New Orleans French Quarter/CBD	\$274	\$300		•	•	•	•	1.3 miles	15-20 min.
22 Hilton New Orleans Riverside	\$269	\$850			•	•	•	0.5 miles	Walk
23 Hilton New Orleans St. Charles Ave.	\$269	\$355		•	•	•	•	1.1 miles	15-20 min.
24 Holiday Inn Express New Orleans Downtown	\$239		•	•	•		•	1.2 miles	17-22 min.
25 Holiday Inn New Orleans Downtown Superdome	\$225	\$379		•	•	•	•	1.7 miles	17-22 min.
26 Homewood Suites New Orleans French Quarter	\$274		•	•			•	1.1 miles	19-24 min.
27 Hotel Le Marais	\$279		•	•			•	1.5 miles	19-24
28 Hotel Mazarin	\$299		•	•			•	1.2 miles	19-24 min.
29 Hotel Modern	\$289		•	•			•	0.6 miles	20-25 min.
30 Hotel Monteleone	\$288	\$577		•	•	•	•	1.2 miles	10-15 min.
31 Hotel Provincial	\$265		•	•	•			1.6 miles	18-23 min.
32 Hyatt Centric French Quarter New Orleans	\$289			•	•	•	•	1.4 miles	17-22 min.
33 Hyatt House New Orleans Downtown	\$295		•	•			•	1.2 miles	20-25 min.
34 Hyatt Place New Orleans Convention Center	\$289		•	•			•	0.1 miles	Walk
35 Hyatt Regency New Orleans	\$295	\$399		•	•	•	•	1.3 miles	20-25 min.
36 InterContinental New Orleans	\$310			•	•	•	•	1.1 miles	15-20 min.
37 International House New Orleans	\$375			•			•	1.2 miles	12-17 min.
38 JW Marriott New Orleans	\$302	\$680			•	•	•	1.1 miles	10-15 min.
39 La Quinta Inn & Suites New Orleans Downtown	\$239		•	•			•	1.0 miles	12-17 min.
40 Le Meridien New Orleans	\$295	\$655		•	•	•	•	0.6 miles	12-17 min.
41 Le Pavillon Hotel	\$363			•	•	•	•	1.1 miles	17-22 min.
42 Loews New Orleans Hotel	\$343			•	•	•	•	0.5 miles	12-17 min.
43 Maison Dupuy Hotel	\$273			•	•	•	•	2.1 miles	18-23 min.
44 MOXY New Orleans Downtown/French Quarter	\$169/\$189			•			•	1.3 miles	17-22 min.
45 New Orleans Marriott	\$291	\$640			•	•	•	1.3 miles	10-15 min.
46 New Orleans Marriott at the Convention Center	\$302	\$500			•	•	•	0.1 miles	Walk
47 NOPSI Hotel	\$350	\$420		•	•	•	•	1.2 miles	17-22 min.
48 Old 77 Hotel & Chandlery	\$259			•	•	•	•	0.6 miles	12-17 min.
49 Omni Riverfront New Orleans	\$300			•	•	•	•	0.3 miles	Walk
50 Omni Royal Crescent Hotel	\$259	\$309		•	•	•	•	0.9 miles	12-17 min.
51 Omni Royal Orleans Hotel	\$269	\$469		•	•	•	•	1.5 miles	18-23 min.
52 Q and C HotelBar-Marriott Autograph Collection	\$279			•	•	•	•	1.1 miles	12-17 min.
53 Renaissance New Orleans Arts Hotel	\$291				•	•	•	0.4 miles	Walk
54 Renaissance New Orleans Pere Marquette Hotel	\$291			•	•	•	•	1.4 miles	17-22 min.
55 Residence Inn New Orleans Convention Center	\$246	\$599	•	•			•	0.4 miles	Walk
56 Ritz-Carlton New Orleans	\$399	\$599		•	•	•	•	1.4 miles	17-22 min.
57 Roosevelt New Orleans—A Waldorf Astoria Hotel	\$335	\$475		•	•	•	•	1.3 miles	17-22 min.
58 Royal Sonesta Hotel	\$285			•	•	•	•	1.4 miles	19-24 min.
59 Royal St. Charles Hotel	\$161			•			•	1.1 miles	10-15 min.
60 Saint Hotel, Autograph Collection	\$289			•	•	•	•	1.3 miles	17-22 min.
61 Sheraton New Orleans Hotel	\$291				•	•	•	1.0 miles	10-15 min.
62 SpringHill Suites New Orleans Convention Center	\$246		•	•			•	0.3 miles	Walk
63 St. James Hotel	\$235		•	•	•		•	1.0 miles	10-15 min.
64 Staybridge Suites New Orleans	\$230	\$299	•	•			•	0.7 miles	12-17 min.
65 Troubadour	\$285			•	•		•	1.5 miles	17-22 min.
66 W New Orleans French Quarter	\$319	\$676		•	•	•	•	1.2 miles	19-24 min.
67 Westin New Orleans Canal Place	\$296	\$439		•	•	•	•	0.8 miles	12-17 min.
68 Windsor Court Hotel	\$380	\$410		•	•	•	•	0.8 miles	12-17 min.
69 Wyndham Garden Barrone Plaza New Orleans	\$185	\$235		•			•	1.4 miles	17-22 min.
70 Wyndham New Orleans French Quarter	\$267			•	•	•	•	1.3 miles	17-22 min.

\*Tax is currently 15.75% plus a \$1-\$3 occupancy fee; subject to change. Hotel room rates include an \$8 fee to partially defray shuttle costs.

\*\*One way travel times subject to change due to traffic conditions.



# The Ophthalmic Technician: Advocating for the Patient



Join fellow technicians during the 2017 JCAHPO ACE Program as highly regarded experts in the field talk about clinical options in eye care and the role of today's ophthalmic technicians in patient care.

**Saturday, November 11, 2017**

**Hilton New Orleans Riverside**

**St. James Ballroom**

**2 Poydras Street**

**New Orleans, LA 70130**

**4:00 PM – 4:30 PM - Registration**

**4:30 PM – 6:00 PM - Presentation and Interactive Discussion  
(food and beverages will be served)**

**There are 2 ways to register for this event:**

**Web registration: [www.medforcereg.com/talg171036](http://www.medforcereg.com/talg171036)**

**Phone registration: 888-339-8383**

A confirmation of your registration will be sent to you within 48 hours. This event will be filled on a first-come, first-served basis and once it is closed you will be placed on the waiting list.



**TechALLIANCE®**  
by **Allergan**

This event complies with PhRMA guidelines. Attendance is limited to eye care professionals. Accordingly, we appreciate your support in not bringing a spouse or guest to this program. Healthcare professionals licensed in Vermont may not attend this event due to their respective state laws and regulations that restrict the provision of meals to healthcare professionals. Minnesota state law permits technicians only to attend this event. No other healthcare professionals licensed in Minnesota may attend. Government employees may not attend this event due to Federal restrictions on providing meals to government personnel.

This event is not affiliated with the official 2017 JCAHPO ACE Program.



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## **Welcome to the 32nd Annual Scientific Session, Grand Rounds, Certification Examination Review Courses and Train the Trainer**

ATPO is devoted exclusively to the education and professional growth of Allied Ophthalmic Personnel. Our success is due to the strength of our members who work through ATPO to meet the demands of their careers as the field of ophthalmology continues to evolve and expand. Become a member today and enjoy a discounted rate to attend the Scientific Session/Grand Rounds.

Our program is designed to give you the full range of continuing education, from basics to leading-edge updates in a two-day format, complete with meals and refreshments.

When you register for our program, you will enjoy our keynote speaker, fellow lecturer and our much-loved Super Tech game show with complimentary appetizers and drink tickets.

Let our team of expert lecturers help you accelerate your ophthalmic education. Register today.

**[www.atpo.org](http://www.atpo.org)**

## LIMBAL STEM CELL TRANSPLANTATION

Dr. Holland shares the challenging journey patients will commit to for a chance to regain their vision.

You will be inspired by the successful outcomes of the surgical and medical care that Edward J. Holland, MD, and his dedicated team of surgeons, transplant specialists, nurses, and technicians perform every day. Patients who have been blind for many years from severe ocular surface disease have been given the gift of sight following a unique and successful eye surgery, limbal stem cell transplantation.

Dr. Holland's keynote address will describe the common causes for sight-threatening limbal stem cell failure and the tedious process through which patients must undergo to reclaim their lost eyesight and independence. Limbal stem cell transplant surgery often involves multiple staged reconstructive surgeries and months of immunosuppressive medications, lab work, and follow-up care to prevent rejection of the transplanted tissue.

Scientific Session  
supported by:



Dr. Holland is the Director of Cornea Services at Cincinnati Eye Institute (CEI) and Professor of Ophthalmology at the University of Cincinnati. He has attracted worldwide referrals for medical and surgical corneal problems and for limbal stem cell transplantation. He attended the Loyola-Stritch School of Medicine in Chicago and

trained in ophthalmology at the University of Minnesota. Dr. Holland completed a fellowship in cornea and external disease at the University of Iowa, and completed a second fellowship in ocular immunology at the National Eye Institute, National Institutes of Health in Bethesda, Maryland.

He served as President of ASCRS, was a member of their Executive Committee, is currently their Program Chair, and was awarded their Binkhorst Medal. He is a former member of the AAO Board of Trustees and has been the Secretariat of their Annual Meeting. Dr. Holland was awarded the AAO Life Achievement Honor Award, the Senior Achievement Award, and the Honor Award.

He was Chair of the Eye Bank Association of America (EBAA) and the Medical Advisory Board, and is a recipient of their Paton Society Award. He was President of the Cornea Society and was awarded their Castroviejo Award. Additionally, Dr. Holland has been listed in the "Best Doctors in America," has authored over 200 articles, and edited Cornea, the most widely read textbook on corneal disease and surgery.



Edward J. Holland, MD  
Director of Cornea Services  
Cincinnati Eye Institute



### TRAIN THE TRAINER: DEVELOPING TRAINING STRATEGIES THAT WORK

By attending this course, you will have the opportunity to learn from our faculty of highly skilled trainers with diverse training histories, experiences, and leadership in the field of ophthalmology.

Learn how to:

- Get started in technician training
- Create value through training
- Be an effective trainer
- Increase student understanding
- Enhance training techniques

Friday, November 10, 8:00 am-3:00 pm  
St. Charles Room



### Who said learning had to be BORING?

- Beat your opponents
- Win PRIZES
- CEs for registered attendees

Registration includes two beverage tickets, appetizers, and guaranteed learning enjoyment.

Saturday, November 11  
4:30 pm-6:00 pm  
St. Charles Room



# ATPO Day-at-a-Glance

## Friday, November 10

8:00 am-11:00 am

### COA Written Exam Review

PLESSINGER

Jefferson Room

8:00 am-10:00 am

### COT Practical Exam Review

KOCH, BARR

Parish Room

8:00 am-11:30 am

### COMT Practical Exam Review

BUSCH

Eglinton-Winton Room

12 Noon-4:30 pm

### COMT Written Exam Review

WILSON, GALLIMORE

Eglinton-Winton Room

1:00 pm-4:30 pm

### COT Written Exam Review

PULLOS, GILL

Jefferson Room

8:00 am-3:00 pm

### Train the Trainer:

#### Developing Training Strategies That Work

FLAHERTY, JOST, MCDONALD, PARKER, PULLOS, SIMMS

St. Charles Room

## CAN'T MISS EVENTS!

### ATPO's Fellow Lecture

"Turning Pebbles into Diamonds"



Saturday,  
November 11  
at 1:00 pm

Featuring Bobbi  
Ballenberg,  
COMT, OSC

### ATPO's Membership Luncheon

Saturday,  
November 11  
at 12 Noon

#### Guest Speaker:

JCAHPO's  
President, William  
Astele, MD, FRCS, C,  
DIPLO. ABO



## Saturday, November 11— Scientific Session

Supported by Essilor  
of America, Inc.

St. Charles Room

9:00 am-9:30 am—Continental Breakfast

9:30 am-10:30 am

### Keynote Speaker— Limbal Stem Cell Transplantation

HOLLAND

10:30 am-11:00 am

### Ocular Transplant Candidates

WRIGHT

11:00 am-11:30 am

### Coordinating Eye Care Services

BROWN

11:30 am-12 Noon

### Glaucoma and Ocular Surface Disease

CHU

12 Noon-1:00 pm—Member Luncheon

1:00 pm-1:30 pm

### Fellow Lecture—Turning Pebbles into Diamonds

BALLENBERG

1:30 pm-2:00 pm

### Severe Oculoplastics Reconstruction

NERAD

2:00 pm-2:30 pm

### Injection Infections: The Crucial Role in Prevention

RIEMANN

2:30 pm-3:00 pm

### Pharmacology Updates in Cataract Surgery

ARAR

3:00 pm-3:15 pm—Break

3:15 pm-3:45 pm

### OCT's Role in Evaluating Diseases of the Nervous System

GRATTON

3:45 pm-4:15 pm

### Beyond PK— Selective Corneal Transplantation

KIM

4:30 pm-6:00 pm

### Who Wants to be a Super Tech?

JOST

## Sunday, November 12— Scientific Session and Grand Rounds

St. Charles Room

7:30 am-8:00 am—Continental Breakfast

8:00 am-8:30 am

### Unusual Cases Requiring Special Devices and FDA Approval

SNYDER

8:30 am-9:00 am

### Mom's Right: Eat Your Veggies!

GRANAT, SNYDER

9:00 am-9:30 am

### Under the Microscope: Cataracts Exposed

THOMAS

9:30 am-10:00 am

### Pneumatic Vitreolysis for Treatment of Vitreomacular Traction

MEIN

10:00 am-10:15 am—Break

10:15 am-10:45 am

### Multifocal IOLs—Is My Patient a Candidate?

LANE

10:45 am-11:15 am

### The Curious Case of Andrew's Eye

BOUSH

11:15 am-11:45 am

### Scleral Lenses: Fitting and Indications

FROGOZO

11:45 am-1:00 pm—Lunch

1:00 pm-1:30 pm

### Retinal Imaging Exposed

NAKOSKI

1:30 pm-2:00 pm

### Ocular Anatomy and Physiology for AOP

LICHTENSTEIN

2:00 pm-2:30 pm

### Orbital Taser Injuries

STEWART

2:30 pm-2:45 pm—Break

2:45 pm-3:15 pm

### Systemic Diseases with Neuro-Ophthalmic Manifestations

GOLNIK

3:15 pm-4:15 pm

### 2017 Trends: Alzheimer's, Sagging Eyes, and Strokes

KATZ

# ATPO Exam Review Courses

Friday, November 10, 2017

## COA Written Exam Review (AT-COA)

Veronica L. Plessinger, COT, Salem, OH  
Friday, 8:00 am-11:00 am

**Description:** JCAHPO COA content areas will be reviewed and discussed in classroom format with the use of a PowerPoint presentation, ending with a question and answer session. Basic knowledge of eye anatomy and physiology with a minimum of one year in ophthalmology is helpful. Participants should be able to demonstrate knowledge and comprehension of JCAHPO COA content areas. This course is meant to be a general review and is not designed to provide initial instruction in content areas. It is intended for those who anticipate taking a certification examination in the near future. This course is not intended for recertification credits.

## COT Written Exam Review (AT-COT)

Jacqueline K. Pullos, COMT, OSC, Salt Lake City, UT  
Sarah R. Gill, COT, Kirkwood, MO

Friday, 1:00 pm-4:30 pm

Credits: 3.25 A JCAHPO

**Prerequisite:** COA certification required unless participant is a student enrolled in a COT program. Verification from the program director will be required.

**Description:** JCAHPO COT content areas will be reviewed and discussed in classroom format with the use of a PowerPoint presentation, ending with a question and answer session. Participants should be able to demonstrate knowledge and comprehension of JCAHPO COT content areas.

This course is restricted to those who are currently certified at the COA level or students enrolled in a COT program. It is intended to assist attendees who anticipate taking their COT exam in the near future.

## COT Practical Exam Review (AT-COT-P1)

Beth L. Koch, COT, ROUB, Willoughby, OH  
Jessica M. Barr, COMT, ROUB, Belmont Hills, PA

Friday, 8:00 am-10:00 am

Credits: 2 A JCAHPO

**Prerequisite:** JCAHPO COT examination content will be reviewed and discussed. COA certification is required, unless the participant is a student enrolled in a COT program. Verification from the program director will be required.

**Description:** This course is designed to familiarize candidates for certification at the technician level with the computer-based skill simulation process currently utilized by JCAHPO. Participants should be familiar with performing the following skills in clinical practice: retinoscopy, refinement, ocular motility, cover and alternate cover testing, keratometry, lensometry, tonometry and visual fields, in addition to having basic computer navigational skills. This workshop is intended to be a review of skills and equipment equivalent for the COT level of certification and is not an introductory workshop.

This course is restricted to those who are currently certified at the COA level or students enrolled in a COT program. It is intended to assist attendees who anticipate taking their COT exam in the near future.

## COMT Written Exam Review (AT-COMT)

Joan E. Wilson, COMT, OSC, Miamisburg, OH  
Gary S. Gallimore, COMT, OSC, Spring Hill, KS

Friday, 12:00 pm-4:30 pm

Credits: 4.25 A JCAHPO

**Prerequisite:** COT certification required unless participant is a student enrolled in a COMT program. Verification from the program director will be required.

**Description:** JCAHPO COMT content areas will be reviewed and discussed in classroom format with the use of a PowerPoint presentation, ending with a question and answer session. Participants should be able to demonstrate knowledge and comprehension of JCAHPO COMT content areas.

This course is restricted to those who are currently certified at the COT level or students enrolled in a COMT program. It is intended to assist attendees who anticipate taking their COMT exam in the near future.

## COMT Practical Exam Review (AT-COMT-P1)

Susan K. Busch, BA, COMT, Haltom City, TX

Friday, 8:00 am-11:30 am

Credits: 3.5 A JCAHPO

**Prerequisite:** Experience and understanding of testing procedures and equipment needed for the COMT level of certification. COT certification is required, unless the participant is a student enrolled in a COMT program. Verification from the program director will be required.

**Description:** JCAHPO COMT examination content areas will be reviewed and discussed. This course is designed to review selected testing procedures and skills equivalent to the areas for the COMT level of certification. Areas covered will include version/duction, measuring strabismus, pupil function, fundus photography and neutralizing spectacles. This course is intended to be a review of the above skills and equipment used. It is not an introductory workshop and will not cover every procedure and skill equivalent for the COMT level of certification.

This course is restricted to those who are currently certified at the COT level or students enrolled in a COMT program. It is intended to assist attendees who anticipate taking their COMT exam in the near future.

## Train the Trainer: Developing Training Strategies that Work

Amy V. Jost, BS, COMT, CCRC, OSC, Cincinnati, OH  
Sergina M. Flaherty, COMT, OSC, San Antonio, TX  
Christine M. McDonald, COA, COE, ROUB, OSC, Fenton, MO  
Matthew L. Parker, PhD, LSSMBB, COMT, CST, OSC, Atlanta, GA  
Jacqueline K. Pullos, COMT, OSC, Salt Lake City, UT  
Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

Friday, 8:00 am-3:00 pm

Credits: 3.5 A COE\*

**Description:** Train the Trainer is moderated by a panel of speakers with years of training experience. You will be provided with an organized strategy to help you create and implement effective, ophthalmic specific training methods in your practice. Topics will include identifying a good trainer, matching learning styles, utilizing effective training techniques, developing a systematic approach and evaluating the success of your training methods.

*\*The Train the Trainer course has been approved for 3.5 credit hours in Category A of the Certified Ophthalmic Executive (COE) credits by the National Board for the Certification of Ophthalmic Executives (NBCOE). The COE credential is the property of the American Society of Ophthalmic Administrators (ASOA) and is administered by the NBCOE.*

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Cleveland Ophthalmic Personnel Society



## Keynote Speaker—Limbal Stem Cell Transplantation (18SA23A)

Edward J. Holland, MD, Cincinnati, OH

Saturday, 9:30 am-10:30 am

Credits: 1 A JCAHPO, AOC-NC

**Description:** Thanks to the wonderful work of Edward J. Holland, MD, patients who have been blind for many years from severe ocular surface disease have been given the gift of sight following a unique and successful eye surgery called limbal stem cell transplantation.

In Dr. Holland's keynote address, he will describe the common causes for sight-threatening limbal stem cell failure and the tedious process through which patients must undergo to reclaim their lost eyesight and independence. Limbal stem cell transplant surgery often involves multiple staged reconstructive surgeries and months of immunosuppressive medications, lab work and follow-up care to prevent rejection of the transplanted tissue. All of this deemed well worth it in order to see again.

Dr. Holland's keynote address is a must-see! You will be inspired by the successful outcomes of the surgical and medical care that Dr. Holland and his dedicated team of surgeons, transplant specialists, nurses and technicians are performing every day.

**Financial interest disclosed**

## Ocular Transplant Candidates (18SA3A)

Elizabeth M. Wright, LPN, Cincinnati, OH

Saturday, 10:30 am-11:00 am

Credits: 5 A JCAHPO, AOC-NC

**Description:** This course introduces the clinical coordinator's fundamental roles and accountability in assisting the physician in determining candidates for ocular transplants. Emphasis will be on the screening, medical work-up, systemic immunosuppression monitoring and the management of systemic complications. Recommendations for patient care education and appropriate follow-up of ocular surface patients will be reviewed.

## Coordinating Eye Care Services (18SA3A)

Donna D. Brown, MD, Richmond, VA

Saturday, 11:00 am-11:30 am

Credits: 5 A JCAHPO, AOC-NC

**Description:** As the world becomes more accessible, the call to bring eye care services to under-served segments of the population continues to grow. Likewise, an increasing number of ophthalmologists and technicians are volunteering to work abroad. This presentation examines what we can learn from the challenges in the coordination of eye care services between clinics in the Eastern Caribbean to allow access to sub-specialty eye care otherwise unavailable. Participants will be able to identify effective and ineffective approaches for reducing barriers to patient services and understand the facets of program success abroad and at home.

## Glaucoma and Ocular Surface Disease (18SA4A)

Fred B. Chu, MD, Cincinnati, OH

Saturday, 11:30 am-12:00 pm

Credits: 5 A JCAHPO, AOC-C

**Description:** Managing the ocular surface is essential for patients with ocular surface disease and glaucoma. It becomes even more important to consider how the ocular surface may be impacted by glaucoma and its medications. An energetic discussion of glaucoma management and considerations in complex ocular surface disease will help the audience understand how glaucoma is diagnosed and the options to manage it. The audience will come away with a deeper appreciation of glaucoma management in complex ocular surface disease.

## Fellow Lecture—Turning Pebbles into Diamonds (18SA5A)

Bobbi E. Ballenberg, COMT, OSC, Stevenson Ranch, CA

Saturday, 1:00 pm-1:30 pm

Credits: 5 A JCAHPO, AOC-NC

**Description:** This course is designed to provide a roadmap for experienced Allied Ophthalmic Personnel (AOP) interested in taking a leadership role. Examples will be presented of ways to employ skills such as ophthalmic knowledge, clinical efficiency and quality assurance, scientific writing, professionalism as it relates to ethics, communication with difficult patients, and training and supervising of AOP that will take your career to the next level.

## Severe Oculoplastics Reconstruction (18SA6A)

Jeffrey A. Nerad, MD, Cincinnati, OH

Saturday, 1:30 pm-2:00 pm

Credits: 5 A JCAHPO, AOC-C

**Description:** This course will review various oculoplastic reconstruction cases, focusing on chemical and thermal injuries, Stevens-Johnson syndrome and other severe cases. Multiple examples of the evaluation of orbital and eyelid trauma will be shared with the audience. Attendees will gain knowledge about treatment options for patients with various oculoplastic injuries and conditions.

## Injection Infections: The Crucial Role in Prevention (18SA6A)

Christopher D. Riemann, MD, Cincinnati, OH

Saturday, 2:00 pm-2:30 pm

Credits: 5 A JCAHPO, AOC-C

**Description:** The key elements to the proper technique in drawing up medications, handling sterile and non-sterile supplies, positioning and educating the patient and assisting with injections will be discussed. A review will be done of the outcomes of a major retrospective study conducted at Cincinnati Eye Institute. The study compares various doctors' post-procedural infection rates following intravitreal injections of assorted drugs, including over 82,000 intravitreal injections and the infection rates based on type of drug, type of packaging and handling of the syringe and medication. Best practices for intravitreal injection preparation by the ophthalmic technician and proper patient education will be provided.

**Financial interest disclosed**

## Pharmacology Updates in Cataract Surgery (18SA6A)

Hisham H. Arar, MD, Cincinnati, OH

Saturday, 2:30 pm-3:00 pm

Credits: 5 A JCAHPO, AOC-C

**Description:** The type of medications that can be employed before, during and after cataract surgery can be extensive, and each medication has the potential of creating a range of side effects. This course will review up-to-date medications used in all aspects of cataract surgery from pre- to post-op, including anesthetics and their potential side effects. The audience will be able to correlate common medications with their indications for use, which will be helpful for technicians working with cataract surgery patients.

## OCT's Role in Evaluating Diseases of the Nervous System (18SA7A)

Sean Gratton, MD, Kansas City, MO

Saturday, 3:15 pm-3:45 pm

Credits: 5 A JCAHPO, AOC-C, OPS 1:1

**Description:** Optical coherence tomography (OCT) is an effective tool for measuring structure-function connections invisible to the human eye, the most visible part of the human brain. The usefulness of OCT in the management of retinal disease is validated by allowing an early diagnosis that can complement a neurological examination. This program provides an overview of the neuro-ophthalmic applications of OCT, emphasizing what it can teach us about the nervous system. Participants will be able to understand and recognize common artifacts and abnormalities and be familiar with the role OCT can play in assessing the nervous system.

## Beyond PK: Selective Corneal Transplantation (18SA7A)

John Kim, MD, Atlanta, GA

Saturday, 3:45 pm-4:15 pm

Credits: 5 A JCAHPO, AOC-C

**Description:** This course will cover advanced corneal transplant techniques beyond standard penetrating keratoplasty. Topics will include Deep Anterior Lamellar Keratoplasty (DALK), Descemet's Stripping Automated Endothelial Keratoplasty (DSAEK), Descemet's Membrane Endothelial Keratoplasty (DMEK) and Keratoprosthesis (K-Pro). Participants will walk through the history of corneal transplantation and gain a better understanding of the purposes behind selective corneal transplant surgeries.

## Who Wants to be a Super Tech? (AT-SUP)

Amy V. Jost, BS, COMT, CCRC, OSC, Cincinnati, OH

Saturday, 4:30 pm-6:00 pm

Credits: 1.5 A JCAHPO, AOC-NC

**Description:** This session is a fun game-show like event that features questions from various areas of the JCAHPO certification examination content. All levels of difficulty will be covered. Prizes and recognition will be awarded to all participants.



### Unusual Cases Requiring Special Devices and FDA Approval (18SU1A)

Michael E. Snyder, MD, Cincinnati, OH

Sunday, 8:00 am-8:30 am

Credits: .5 A JCAHPO, AOC-NC

**Description:** The audience will get involved in this interactive course as they review a compendium of uncommon cases with emphasis on their special pathology and the uniqueness of their initial evaluation and eventual management. Participants will gain an understanding of the difference in the work-up between these and more common cases, and become more familiar with the options available to address them.

**Financial interest disclosed**

### Mom's Right—Eat Your Veggies! (18SU1A)

Stephanie E. Granat, MPH, COA, Liberty Twp, OH

Michael E. Snyder, MD, Cincinnati, OH

Sunday, 8:30 am-9:00 am

Credits: .5 A JCAHPO, AOC-NC, OPS 1:1

**Description:** The consumption of vitamins and/or mineral supplements to prevent, treat or cure age-related macular degeneration has been long debated. This course will leave participants with a better understanding of the Age-Related Eye Disease Study 2 (AREDS2) and why some supplements come with potentially fatal side effects. Interactive case studies will be presented in short workshop performances that will educate and engage the audience, and provide a deeper appreciation for patient education and empowerment towards making informed health choices.

### Under the Microscope, Cataracts Exposed (18SU2A)

Scott A. Thomas, MD, San Antonio, TX

Sunday, 9:00 am-9:30 am

Credits: .5 A JCAHPO, AOC-C

**Description:** This course will cover several types of cataracts that commonly present in a surgical cataract practice. Along with the classification, each type will be discussed in terms of its effects on patients from a technician's perspective. Slit lamp and surgical videos will be presented to correlate the type of cataract with its appearance and the surgical techniques required for safe removal.

### Pneumatic Vitreolysis for Treatment of Vitreomacular Traction (18SU2A)

Calvin E. Mein, MD, San Antonio, TX

Sunday, 9:30 am-10:00 am

Credits: .5 A JCAHPO, AOC-NC, OPS 1:1

**Description:** Participants will learn how in-office injections of C3F8 gas is used to treat vitreomacular traction and small macular holes, conditions that can cause symptoms ranging from blurry vision to distorted and blacked-out central vision. OCT findings of vitreomacular traction syndrome (VMT) and the various treatment methods will be examined. The audience will understand the technique of pneumatic vitreolysis for the treatment of VMT.

**Financial interest disclosed**

### Multifocal IOLs—Is My Patient a Candidate? (18SU3A)

Stephen S. Lane, MD, Stillwater, MN

Sunday, 10:15 am-10:45 am

Credits: .5 A JCAHPO, AOC-NC

**Description:** Many factors should be taken into account when assessing a patient's candidacy for multi-focal IOLs. This course will discuss updates and practical applications of IOLs and evaluate current multifocal IOL options in cataract surgery. A comparison and contrast of available multifocal IOLs, including their strengths and weaknesses, will be studied. Clinical examples will help illustrate criteria used for optimizing results in patients desiring multifocal IOLs.

**Financial interest disclosed**

### The Curious Case of Andrew's Eye (18SU3A)

George A. Boush, MD, Watertown, WI

Sunday, 10:45 am-11:15 am

Credits: .5 A JCAHPO, AOC-C

**Description:** As an ophthalmic surgeon, I understand vision loss. Though my career centered on correcting, preventing and saving vision for my patients, I was about to learn first-hand the traumatic feeling of sudden vision loss. This interesting and odd retinal case will be presented through numerous case slides, from initial diagnosis of unknown cause to present day condition. The lecture will acquaint the technician with the unusual signs and symptoms particular to this type of retinal condition.

### Scleral Lenses: Fitting and Indications (18SU4A)

Melanie Frogozo, OD, San Antonio, TX

Sunday, 11:15 am-11:45 am

Credits: .5 A JCAHPO, AOC-NC

**Description:** Once used primarily to correct for irregular astigmatism and ocular surface disease, scleral lenses are becoming more commonplace as usage extends to patients with normal corneas without disease. This course will review scleral lens design, fitting and trouble shooting. Participants will understand how the scleral lenses are designed to fit, basic fitting concepts and common clinical indications associated with scleral lens wear. Fundamental issues with scleral lenses and trouble-shooting tips will be reviewed.

**Financial interest disclosed**

### Retinal Imaging Exposed (18SU5A)

Brenda M. Nakoski, COA, CRA, OCT-T, OSC, CPSS, Cibola, TX

Sunday, 1:00 pm-1:30 pm

Credits: .5 A JCAHPO, AOC-NC, OPS 1:1

**Description:** Retinal imaging allows physicians to evaluate the health of the back of the retina, optic nerve and other retinal structures and imaging technology has become a central part of most clinics' practices. The number of modalities available to help diagnose and manage ocular disease continues to grow. Through case studies, the technician will recognize images produced by different modalities and be able to choose the best option to image a patient's particular pathology. The audience will understand how combining modalities may produce a better pathology.

### Ocular Anatomy and Physiology for AOP (18SU5A)

Steven J. Lichtenstein, MD, FAAP, FACS, FAAO, Peoria, IL

Sunday, 1:30 pm-2:00 pm

Credits: .5 A JCAHPO, AOC-C, OPS 1:1

**Description:** A thorough understanding of the basic principles of ocular physiology as it affects patient care and work-up is essential to deliver positive patient experiences time and time again. Visual aids will help describe the anatomic and physiologic components present in the visual system. The visual pathway, ocular and extra ocular structures and neurologic and systemic components affecting vision will be discussed. An overview will be provided of the role that major ocular structures play in the determination of overall ocular health.

### Orbital Taser Injuries (18SU6A)

Krista Stewart, MD, Minneapolis, MN

Sunday, 2:00 pm-2:30 pm

Credits: .5 A JCAHPO, AOC-NC

**Description:** This case presentation is of a patient who suffered a Taser® injury of the orbit. A summary of prior orbital Taser injuries, the discussion of recognition, management and complications related to orbital foreign bodies and electrical injury will follow. The audience will be shown orbital foreign bodies on imaging and be able to recognize ocular manifestations of electrical injury. The basic work-up and treatment of orbital foreign bodies will be discussed.

### Systemic Diseases with Neuro-Ophthalmic Manifestations (18SU6A)

Karl C. Golnik, MD, MEd, Blue Ash, OH

Sunday, 2:45 pm-3:15 pm

Credits: .5 A JCAHPO, AOC-C

**Description:** This course will discuss several systemic conditions that may present with neuro-ophthalmic findings, including multiple sclerosis (MS), hypertension and Graves' disease. Video examples of ocular motility defects will be used to illustrate relevant manifestations and the three most common indications of MS will be reviewed. The audience will be able to differentiate thyroid eye disease from its mimics and the importance of recognizing systemic implications will be emphasized.

### 2017 Trends: Alzheimer's, Sagging Eyes and Strokes (18SU7A)

Bradley J. Katz, MD, South Jordan, UT

Sunday, 3:15 pm-4:15 pm

Credits: 1 A JCAHPO, AOC-C

**Description:** In a specialty that is normally considered slow evolving, neuro-ophthalmology has experienced progressive changes in recent years. This course will update the audience on advances in posterior variant Alzheimer's disease, a form of dementia that initially affects vision and sagging eye syndrome, the most common cause of strabismus in the elderly. It will examine the relationship between retinal artery occlusion and acute stroke, including a review of the results of the Idiopathic Intracranial Hypertension Treatment Trial (IIHTT). Participants will learn efficient ways to screen patients for posterior variant Alzheimer's, how sagging eye syndrome causes strabismus in adults and understand the risk of acute stroke in patients presenting with retinal artery occlusion.



## Welcome to the 45th Annual Continuing Education Program in New Orleans.

### PROGRAM HIGHLIGHTS:

- The Harold A. Stein, MD Lecture, **"EMBRACING THE MAGICAL MOMENTS,"** featuring keynote speaker **Dr. Donald A. Gagliano**
- **FIVE SUB-SPECIALTY SESSIONS** featuring **in-depth learning** with a panel of experts in a variety of specialties each day
- **177 courses** featuring:
  - 81 **NEW COURSES** and workshops
  - 14 **MASTER** level courses for the **more experienced** eye care team members
  - 37 **ADVANCED** level courses
  - 96 **INTERMEDIATE** level courses
  - 30 **BASIC** level courses
- Three **BRAND NEW BOOT CAMPS** focusing on **real-world situations** to increase skills
- A **BRAND NEW BASIC TRACK** over three days in one convenient location for the **new hire**

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## EMBRACING THE MAGICAL MOMENTS

We are excited to present Donald A. Gagliano, MD, MHA, FACHE, CPE (Colonel, US Army, Retired) as the keynote speaker for the 2017 Harold A. Stein, MD Lecture on Saturday, November 11. Join Dr. Gagliano on Veterans Day as he shares how a life of service and his personal mission to restore vision is driven by gratitude for "magical moments" and how to embrace those times for genuine meaning and purpose. "Magical moments in life are when you discover that you make a difference in what you are doing—it's about making a difference in your life and the lives of others." He will address looking at life's events from different points of view, understanding the differences in roles and responsibilities, and working together to ensure you are delivering care to the best of your capability. For Dr. Gagliano, magical moments are about finding "where opportunities reside and taking full advantage of those."

Service has defined Dr. Gagliano's life as an ophthalmologist and a soldier. His accomplishments in the US Army Medical Corps are many. As both Chief Surgeon and Medical Commander in Iraq, Dr. Gagliano oversaw the creation of a multi-national, multi-branch health care system during reconstruction. Under his command, he led 33 international coalition partners to develop a strategy on real-time visibility of care that assured all medical facilities across the country met and delivered the same standards of care and processes "The idea of bringing together 33 nations to tackle a common problem...was a very magical moment," says Dr. Gagliano. "Never forget that medicine on the battlefield is the humanity in the melee."

A primary focus of Dr. Gagliano's leadership at the Vision Center for Excellence for the Department of Defense and Department of Veterans Affairs was building a common system of policies and procedures across the different branches of the United States military to assure continuity of care. Dr. Gagliano

considers changing the way the Department of Defense trained and delivered ophthalmic technicians and the way they provided care on the battlefield to be one of his greatest achievements.

As medical advisor and presenter for the Society of Military Technical Personnel in Ophthalmology (SMTPO), Dr. Gagliano challenged his technicians to be motivated, grow and raise the bar. He encouraged military ophthalmic technicians to commit to giving their personal time to grow their career and value certification by providing financial incentives and supporting continuing education. Dr. Gagliano states, "the benefit certification brings you—from both a professional and personal perspective—is something you will never experience unless you do this...That little bit of work will bring you great reward."

Since leaving active duty, Dr. Gagliano continues to strive for better communication and education in military healthcare in his current position as senior healthcare systems engineer consultant for the MITRE Corporation in Virginia. With MITRE, Dr. Gagliano works to connect medical systems with combat situations. Dr. Gagliano is President of the Prevention of Blindness Society of Metropolitan Washington, Trustee of the Blinded Veterans Association, and Principal of Global Medical Innovation.

The Harold A. Stein, MD Lecture will be Saturday, November 11, 2017, at 8:00 am, in Grand Ballroom A-C.



**Donald A. Gagliano,  
MD, MHA, FACHE, CPE  
(Colonel, US Army, Retired)**



**Harold A. Stein, MD, FRCSC**

### The Annual Harold A. Stein, MD Lecture

This year marks the 15th Annual Harold A. Stein, MD Lecture, created to honor Harold A. Stein, MD, FRCSC. The JCAHPO Education and Research Foundation established the Harold A. Stein, MD, FRCSC Endowed Lectureship in 2000 to support the Keynote Session.

In 1968, he wrote the first textbook, the Ophthalmic Assistant which is in its 10th edition. Dr. Stein generously donates his book sales proceeds to the Foundation to support technician education and certification.

**A special book signing event will be held at the ACE Program.**

Dr. Stein was instrumental in organizing the first Plenary (Keynote) Session held in San Francisco, CA, in 1985, and one of the early organizing commissioners of JCAHPO. He served as JCAHPO's President from 1986-1987, and served as a Commissioner from 1972-1992.


Dr. Stein is Director of the Bochner Eye Institute in Toronto, Ontario, Canada, and a Professor of Ophthalmology at the University of Toronto.

Dr. Stein and his wife, Anne, reside in Toronto, where Dr. Stein continues to practice.

## SEATING IS LIMITED.

**Admission ticket required.** If you plan to attend, check the appropriate box on your registration form. **1 GROUP A JCAHPO CREDIT**





Featuring in-depth  
learning with a panel of  
experts in a variety of  
specialties each day.

# SUB-SPECIALTY SESSIONS

Register for Sub-Specialty Sessions on page 6.

## CLINICAL TRIALS

**Clinical Trials Sub-Specialty Session: Coordinating, Imaging and Standardized Testing for Collecting Data (09FR567)**

**Friday, 12:40 pm-3:50 pm**

**Moderator:** *Diana M. Hatsis, COT, RN, BSN, Boynton Beach, FL*

This session will provide attendees with a comprehensive overview of managing, staffing and processes of clinical trials. Three essential branches of clinical trials will be covered. The first branch of the 3-part session is designed to assist the ophthalmic health professional in managing and coordinating clinical trials including IRB and regulatory documentation, informed consent processes, staff certifications, and auditing requirements. The second branch will address conducting standardized ophthalmic imaging, visual fields and visual acuity testing specific to clinical trials, as well as exporting and submitting images compatible with the reading center for evaluation. The third branch will highlight the data collected to comply with FDA requirements around clinical trials. Standardized and diagnostic testing with emphasis on calibration of testing equipment, appropriate staff training and consistency in exam procedures to ensure quality data will be reviewed for collecting research data and outcome studies.

## PRACTICE MANAGEMENT

**Practice Management Sub-Specialty Session (09SA34)**

**Saturday, 10:20 am-12:20 pm**

**Moderator:** *Michelle Willis, COMT, OSA, Nashville, TN*

This session will focus on practice management trends for a high functioning practice to increase practice productivity and profitability. The session will address balancing clinical efficiency with quality care using best practices. Topics include: 1) key strategies to recruit, hire and train staff; 2) implementing project management practices for directing and controlling a project from start to finish with a focus on managing the application of knowledge, skills, tools, and techniques; 3) tips for developing an efficient patient schedule—schedules are essential components to patient satisfaction as well as maximizing physician and staff productivity, including the methodology to analyze and design the clinic schedule to meet these objectives; 4) keeping current on top practice management issues of compliance plans to meaningful use and more. Lessons learned, cases and examples will be shared, as well as the presenters will participate in a question and answer session.

## SCRIBING

**Scribing Sub-Specialty Session: The Physician's Partner in Delivering Efficient Patient Care (09SA56)**

**Saturday, 12:40 pm-2:40 pm**

**Co-Moderator:** *Martha C. Tello, COMT, OSC, Plantation, FL*

**Co-Moderator:** *Stephanie McMillian, COT, Plantation, FL*

This session will jump-start your scribing career the "write way!" The course will give an overview of the best practices and the importance of scribes in clinic practice. Learn about the role of a scribe, how to scribe—documentation, coding and EHR navigation, how to prevent and correct errors, and retrieval of diagnostic results. HIPAA compliance and improving the quality of EHR documentation will be discussed. Attendees will learn tips and pearls to becoming an efficient scribe. The final section of this session will be an interactive workshop on transcribing into a patient's chart and dictation to practice your skills to become an efficient scribe.

## GLAUCOMA

**Glaucoma Sub-Specialty Session: Recent and Upcoming Advancements in Glaucoma (09SU34)**

**Sunday, 10:20 am-12:20 pm**

**Moderator:** *Eydie Miller-Ellis, MD, Philadelphia, PA*

This course will provide an update on current concepts, technologies, treatments and practice in glaucoma. The course will focus on new and emerging therapeutic procedures and medication delivery systems, glaucoma and pregnancy, laser iridotomy, neovascular glaucoma and other current treatments. The audience will be introduced to the many glaucoma surgical options currently available and through a case based approach, the nuances of each surgical option will be elucidated and the decision making process for selecting a surgery will be explored. Audience participation will be encouraged.

## RETINA

**Retina Sub-Specialty Session (09SU56)**

**Sunday, 12:40 p.m.-2:40 pm**

**Moderator:** *Michael W. Stewart, MD, Jacksonville, FL*

This course will provide an update on current concepts, technologies, treatments and practice in the retina sub-specialty. The course will focus on new therapeutics, treatments and surgical procedures. Key retina topics will be covered such as macular degeneration, diabetic retinopathy, vein occlusions, and the latest in retinal surgery procedures. New and emerging imaging technologies will be highlighted, such as Swept Source Optical Coherence Tomography, angiography, ultra-wide field imaging and autofluorescence.

# Friday Day-at-a-Glance

■ / ■ WORKSHOPS: There is an additional fee for workshops ■ NEW COURSES

1 hour=1 Group A JCAHPO credit

Room	8:00 am-8:50 am	9:10 am-10:00 am	10:20 am-11:10 am	11:30 am-12:20 pm
Grand Ballroom A	<b>01FR1</b> Care of the Retina Patient: Office Injections (Intermediate) OPREMACAK	<b>NEW! 01FR2</b> Better One or Two? (Intermediate) HARRIS	<b>01FR3</b> Neuro-Ophthalmology Testing (Intermediate) WALKER	<b>NEW! 01FR4</b> Electrophysiology for Technicians: What is ERG and VER? (Intermediate) ZHU
Grand Ballroom B	<b>02FR1</b> Headaches (Intermediate) COLLINS	<b>02FR2</b> Double Trouble: The Diplopic Patient (Intermediate) CASTRO ACERA	<b>NEW! 02FR3</b> Facial Paralysis and Facial Dystonias (Masters) YAKOPSON	<b>NEW! 02FR4</b> Corneal Cross-Linking (Advanced) DELMONTE
Grand Ballroom C	<b>03FR1</b> Equipment Repair and Maintenance (Basic) HUNTER	<b>03FR2</b> Repair and Maintenance of Phoropters (Intermediate) HUNTER	<b>NEW! 03FR3</b> Practice Essentials: Diabetic Retinopathy, Causes Prevention and Treatment (Intermediate) FARIS	<b>03FR4</b> Clinical Correlation of Fluorescein Angiogram and OCT (Advanced) LAFRANCO
Grand Ballroom D	<b>NEW! 04FR1</b> The Role of the Technician or Scribe in Avoiding Claim Denials (Basic) WOODKE	<b>NEW! 04FR2</b> Making ICD-10 Your BFF for Payment (Intermediate) VICCHIRILLI	<b>04FR3</b> Pupils: What is Normal and What is Not (Intermediate) ALAMALHODAEI	<b>NEW! 04FR4</b> Get the 411 on Billing Testing Services (Intermediate) EDGAR
Grand Salon A	<b>NEW! 05FR1</b> Advances Made in Cataract Surgery Over the Past 25 Years (Intermediate) FARIS	<b>NEW! 05FR2</b> There is Something You Can Do (Intermediate) FONTENOT	<b>NEW! 05FR3</b> Challenging Neuro-Ophthalmic Cases of the Rare and Unusual Kind (Masters) ABLEMAN	<b>05FR4</b> Slit Lamp Biomicrography (Intermediate) GILMAN
Grand Salon B	<b>NEW! 06FR1</b> Refractometry Using High Tech Equipment (Intermediate) CORWIN	<b>06FR2</b> Ophthalmic Plastic Surgery—Eyelid Malposition, Evaluation and Therapy (Advanced) SILKISS	<b>06FR3</b> The Uveitis Patient... Do Not Freak Out! (Intermediate) DELANEY	<b>NEW! 06FR4</b> New Thoughts on Amblyopia Treatment—The PEDIG Studies (Advanced) ASTLE
Grand Salon C	<b>07FR1</b> General Medical Knowledge and Terminology (Basic) LAMELL	<b>07FR2</b> Low Vision Clinic: Stepping up Your Game (Intermediate) PORTER	<b>07FR3</b> Name That Modifier! (Basic) EDGAR	<b>07FR4</b> Ten Steps to a Phenomenal Patient Experience (Basic) ALAMALHODAEI
Grand Salon D	<b>08FR1</b> Optical Coherence Tomography Angiography (OCTA) with the Optovue Avanti AngioVue OCT (Intermediate) ZUKOSKY	<b>NEW! 08FR2</b> Updates on Minimally Invasive Glaucoma Surgery (Intermediate) PATTERSON	<b>08FR3</b> Intraocular Tumors Ultrasound Evaluation (Advanced) BRETANA	<b>08FR4</b> Use of Smartphones and Tablet Computers in Low Vision Rehabilitation (Basic) PUSATERI
St. James				
Jefferson				
Parish				
Jackson				<b>12FR45W—WORKSHOP</b> Retinoscopy (Basic) DALY
Camp				<b>13FR4W—WORKSHOP</b> Tonometry (Basic) RODGERS
Magazine		<b>14FR2W—WORKSHOP</b> Diagnostic B-Scan Ophthalmic Ultrasound (Intermediate) SIEROCKI	<b>14FR3W—WORKSHOP</b> Diagnostic B-Scan Ophthalmic Ultrasound (Intermediate) SIEROCKI	<b>14FR4W—WORKSHOP</b> Diagnostic B-Scan Ophthalmic Ultrasound (Intermediate) SIEROCKI
Canal		<b>15FR23W—WORKSHOP</b> Surgical Assisting (Basic) LOYACANO		
Royal		<b>16FR23W—WORKSHOP</b> Cirrus HD-OCT (Intermediate) ROWELL		<b>16FR45W—WORKSHOP</b> Fundus Photography (Intermediate) BAILEY
Commerce			<b>17FR34W—WORKSHOP</b> Ocular Motility—Identifying and Measuring Deviations (Basic) SHUKLA	

# Friday Day-at-a-Glance

12:40 pm-1:30 pm	1:50 pm-2:40 pm	3:00 pm-3:50 pm	Room
<b>01FR5</b> Grand Rounds Case Presentation: Neuro-Ophthalmology (Masters) GOLNIK	<b>01FR6</b> To Treat or Not to Treat: Evaluation of the Glaucoma Suspect (Advanced) MILLER-ELLIS	<b>01FR7</b> Histories and Exams that Make Your Physicians and Payers Proud (Intermediate) BAUGH	Grand Ballroom A
<b>02FR5</b> Corneal Procedures for Today and Tomorrow (Intermediate) DELMONTE	<b>NEW! 02FR6</b> Diplopia Following Ocular Surgery (Intermediate) AOUCHICHE	<b>NEW! 02FR7</b> History Taking in a Retina Specialty Practice (Intermediate) BUSCH	Grand Ballroom B
<b>03FR5</b> Human Microbiology (Intermediate) KERSHNER	<b>03FR6</b> The Push and Pull of Accommodation and Strabismus (Advanced) ROVICK	<b>03FR7</b> Intermediate Ocular Motility: What's Next After the Basics? (Intermediate) ROVICK	Grand Ballroom C
<b>NEW! 04FR5</b> Specialty Contact Lenses in Ophthalmology (Intermediate) RUSSELL	<b>04FR6</b> Custom Cataract Surgery (Advanced) TOYOS	<b>04FR7</b> New Treatment for Dry Eye Disease (Advanced) TOYOS	Grand Ballroom D
<b>NEW! 05FR5</b> Using Artificial Intelligence to Improve Retina Care (Intermediate) ODAIBO	<b>NEW! 05FR6</b> Neuro-Ophthalmic Problems Not to Miss (Intermediate) NEWMAN	<b>NEW! 05FR7</b> Masquerade Syndromes in Neuro-Ophthalmology (Advanced) NEWMAN	Grand Salon A
<b>NEW! 06FR5</b> Wanted: Super Techs! (Intermediate) MALONE	<b>06FR6</b> What?! I Have a RX Check? (Intermediate) FLAHERTY	<b>NEW! 06FR7</b> Glaucoma Grand Rounds (Masters) SALIM	Grand Salon B
<b>NEW! 07FR5</b> Always Be Careful: The ABCs of Office Safety (Basic) LEDFORD	<b>NEW! 07FR6</b> Diagnostic Testing: What is That Machine and What Does it Do? (Basic) MALONE	<b>NEW! 07FR7</b> Visual Field Testing (Basic) HANSEN	Grand Salon C
<b>08FR5</b> Anterior Segment Pathology Imaged with UBM (Advanced) SIMMS	<b>08FR6</b> OCT Angiography with Cirrus HD-OCT (Intermediate) MCKEEHEN	<b>08FR7</b> Keratoconus and the Other Corneal Ectasias (Advanced) JACOBS	Grand Salon D
<b>NEW! 09FR567</b> Clinical Trials Sub-Specialty Session (Intermediate) HATSIS			St. James
			Jefferson
<b>11FR56</b> Soft Contact Lens Skills Transfer Lab (Intermediate) DONSHIK			Parish
	<b>12FR67W—WORKSHOP</b> Retinoscopy (Basic) NORATH		Jackson
<b>13FR5W—WORKSHOP</b> Tonometry (Basic) WILSON <b>CANCELLED</b>	<b>13FR67W—WORKSHOP</b> Slit Lamp Microscopy (Intermediate) TELLO		Camp
<b>14FR5W—WORKSHOP</b> Diagnostic B-Scan Ophthalmic Ultrasound (Intermediate) SIEROCKI			Magazine
<b>NEW! 15FR56W—WORKSHOP</b> Eye Banking 101: Handling Tissue (Advanced) PARKER			Canal
	<b>16FR67W—WORKSHOP</b> Fundus Photography (Intermediate) BRANNAN		Royal
	<b>17FR6W—WORKSHOP</b> Ocular Motility—Identifying and Measuring Binocular Function (Intermediate) SHUKLA	<b>17FR7W—WORKSHOP</b> Ocular Motility—Approaching Patient Examinations (Advanced) SHUKLA	Commerce



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# Saturday Day-at-a-Glance

WORKSHOPS: There is an additional fee for workshops NEW COURSES

1 hour=1 Group A JCAHPO credit

Room	8:00 am-8:50 am	9:10 am-10:00 am	10:20 am-11:10 am	11:30 am-12:20 pm
Grand Ballroom A	<b>Harold A. Stein, MD Lecture</b> 	<b>01SA2</b> The Effect of Non-Ocular Cancers in the Eye and Ocular Adnexa (Intermediate) ALLEN	<b>01SA3</b> Mystery Retina 2017: Interactive Discussion of Challenging Cases (Masters) MIELER	<b>01SA4</b> Retina Clinical Trial Update 2017 (Masters) MIELER
Grand Ballroom B		<b>NEW! 02SA2</b> Update on Anterior Segment Imaging (Intermediate) VASAIWALA	<b>02SA3</b> Pediatric Ophthalmology Pearls: The Tricks of the Trade (Intermediate) DAVIS	<b>02SA4</b> Ophthalmic Pathology & Oncology (Intermediate) DUONG
Grand Ballroom C		<b>03SA2</b> Optimizing Clinic Flow Without Compromising Care (Intermediate) PULLOS	<b>03SA3</b> Lucentis, Avastin and Eylea: A New Era in Treatment (Advanced) BHAVSAR	<b>03SA4</b> Sudden Unilateral Vision Loss (Advanced) ROGERS
Grand Ballroom D		<b>04SA2</b> Drugged Out: Medications Used in Cataract Surgery (Intermediate) PANDAY	<b>04SA3</b> Advanced Ophthalmic Pharmacology (Advanced) PANDAY	<b>04SA4</b> Tube Talk: Everything You've Wanted to Know About Glaucoma Drainage (Intermediate) TANAKA
Grand Salon A	<b>Embracing the Magical Moments</b> Featuring <b>Donald A. Gagliano, MD, MHA, FACHE, CPE (Colonel, US Army, Retired)</b>	<b>05SA2</b> Evaluation and Management of Orbital Cellulitis (Advanced) YEN	<b>05SA3</b> Can I Really Save a Life with an Oculoplastics Evaluation? (Intermediate) ALLEN	<b>05SA4</b> Basic Spanish for Ophthalmic Personnel (Basic) FIOL-SILVA
Grand Salon B		<b>06SA2</b> Grand Rounds Case Presentation: Oculoplastics (Masters) CETINKAYA	<b>06SA3</b> What is This? Ocular Findings in Systemic Disease (Intermediate) STEWART	<b>NEW! 06SA4</b> Technician's Role in Internal Chart Audits (Intermediate) CORCORAN
Grand Salon C		<b>07SA2</b> Second Chance Genetics You Can Really Understand! (Basic) LLOYD	<b>07SA3</b> Medical Ethics (Basic) DUONG	<b>07SA4</b> Ocular Infections: Bugs and Drugs—Diagnosis and Management (Basic) MAH
Grand Salon D		<b>NEW! 08SA2</b> Macular Degeneration: 2017 and Beyond (Advanced) DHANDA	<b>08SA3</b> Ophthalmic Ultrasound in Ocular Trauma (Basic) AYRES	<b>08SA4</b> Fundamentals of UBM Imaging: A Practical Approach for Technicians (Advanced) AYRES
St. James	Join Dr. Gagliano on Veterans Day as he shares how a life of service is driven by gratitude for "magical moments" and how to embrace those times for genuine meaning and purpose.	<b>09SA2</b> Hydroxychloroquine (Plaquenil) Toxicity (Intermediate) EHLERS	<b>09SA34</b> Practice Management Sub-Specialty Session (Intermediate) WILLIS	
Jefferson				
Parish		<b>NEW! 11SA23</b> Intermediate Coding Session (Intermediate) MACK		
Jackson		<b>12SA23W—LECTURE AND WORKSHOP</b> Comprehensive Lensometry (Basic) JOHNSON		<b>NEW! 12SA45W—WORKSHOP</b> Retinoscopy (Intermediate) NORATH
Camp	<i>Seating is limited and an admission ticket required. If you plan to attend, check the appropriate box on your registration form.</i>	<b>13SA23W—WORKSHOP</b> Slit Lamp Microscopy (Intermediate) TELLO		<b>13SA4W—WORKSHOP</b> Tonometry (Basic) SHEEHAN
Magazine		<b>14SA2W—WORKSHOP</b> A-Scan Biometry (Intermediate) SIEROCKI	<b>14SA3W</b> A-Scan Biometry (Intermediate) SIEROCKI	<b>14SA4W—WORKSHOP</b> A-Scan Biometry (Intermediate) HOPKINS
Canal		<b>15SA23W—WORKSHOP</b> Surgical Assisting (Basic) DICKERSON		
Royal		<b>16SA23W—WORKSHOP</b> Cirrus HD-OCT (Intermediate) MCKEEHEN		<b>16SA45W—WORKSHOP</b> Introduction to the IOL Master (Optical Coherence Biometry) (Basic) BANKS
Commerce	<b>1 GROUP A JCAHPO CREDIT</b> Grand Ballroom A-C (Basic)	<b>17SA23W—WORKSHOP</b> Lenstar Optical Biometry (Intermediate) FLETCHER		<b>NEW! 17SA45W—BOOT CAMP</b> Optical Biometry and IOL Calculations (Advanced) PARKER

# Saturday Day-at-a-Glance

12:40 pm-1:30 pm	1:50 pm-2:40 pm	3:00 pm-3:50 pm	Room
<b>01SA5</b> Nystagmus (Advanced) CHRISTOFF	<b>01SA6</b> Basic Surgical Assisting (Basic) HATSIS	<b>NEW! 01SA7</b> Glaucoma Tech-knowledge-y (Intermediate) BALLEMBERG	Grand Ballroom A
<b>NEW! 02SA5</b> You Saw What? A Curious Compendium of Ocular Oddities (Intermediate) EHLERS	<b>02SA6</b> Pupil Cases—When to Worry, When to Watch (Advanced) LEE	<b>NEW! 02SA7</b> Descriptive Interpretation of FA (Advanced) MAIO	Grand Ballroom B
<b>NEW! 03SA5</b> Swept Source Biometry (Intermediate) EMERSON	<b>03SA6</b> Grand Rounds Case Presentation: Optics and Difficult Refractions (Masters) EHLERS	<b>NEW! 03SA7</b> Myopia Epidemic: Public Health Implications/Interventions (Advanced) MODJTAHEDI	Grand Ballroom C
<b>04SA5</b> Current Concepts in Glaucoma Management (Intermediate) CHOPLIN	<b>NEW! 04SA6</b> Juvenile Idiopathic Arthritis (JIA) Associated Uveitis: Clinical Pearls (Intermediate) LYONS	<b>04SA7</b> Ocular Manifestation of Systemic Disease (Advanced) DONSHIK	Grand Ballroom D
<b>05SA5</b> Horner's Syndrome Made Simple (Intermediate) PALKOVACS	<b>NEW! 05SA6</b> Pump Up Your Techs! (Basic) DELANEY	<b>NEW! 05SA7</b> Aseptic Technique in the Ophthalmic OR (Intermediate) ALAMALHODAEI	Grand Salon A
<b>NEW! 06SA5</b> Investigational Pharmacotherapy for Chorioretinal Vascular Conditions (Advanced) STEWART	<b>06SA67</b> The Importance of the Technician's Role in the Ophthalmic Exam (Intermediate) STEWART		Grand Salon B
<b>NEW! 07SA5</b> Facial Nerve Palsy: Time Bomb for the Eye (Basic) ALLEN	<b>NEW! 07SA6</b> Can My Child See? Assessing Vision in Pre-Verbal Children (Basic) CHRISTOFF	<b>07SA7</b> Anatomy and Physiology for AOP (Intermediate) LICHTENSTEIN	Grand Salon C
<b>NEW! 08SA5</b> If You Had a Broken Leg, I Could Help You (Intermediate) MCDONALD	<b>NEW! 08SA6</b> Introduction to Tele-Ophthalmology (Intermediate) HUNTER	<b>NEW! 08SA7</b> Working With the Refractive Surgery Patient (Advanced) TSAI	Grand Salon D
<b>09SA56</b> Scribing Sub-Specialty Session (Basic) TELLO			St. James
			Jefferson
<b>NEW! 11SA56</b> Diabetic Retinopathy: Learn to be a Certified Ophthalmic Imaging Assistant Session (Intermediate) FONG			Parish
	<b>NEW! 12SA67W—WORKSHOP</b> Retinoscopy (Intermediate) NORATH		Jackson
<b>13SA5W—WORKSHOP</b> Tonometry (Basic) BURTON <b>CANCELLED</b>	<b>13SA67W</b> Slit Lamp Microscopy (Intermediate) SCANLON		Camp
<b>14SA5W—WORKSHOP</b> A-Scan Biometry (Intermediate) SIEROCKI	<b>14SA6W—WORKSHOP</b> A-Scan Biometry (Intermediate) SIEROCKI	<b>14SA7W—WORKSHOP</b> A-Scan Biometry (Intermediate) SIEROCKI	Magazine
<b>NEW! 15SA56W—LECTURE AND WORKSHOP</b> ERGs and VEPs in an Ophthalmology Office (Intermediate) YAWN			Canal
	<b>16SA67W—WORKSHOP</b> Advanced IOL Master (Advanced) EMERSON		Royal
	<b>NEW! 17SA67W—BOOT CAMP</b> Optical Biometry and IOL Calculations (Advanced) PARKER		Commerce



Veterans Day

We  
honor  
and  
give  
thanks  
to those  
who  
served.

Remembrance Day



Saturday-at-a-Glance

# Sunday Day-at-a-Glance

■ / ■ WORKSHOPS: There is an additional fee for workshops ■ NEW COURSES

1 hour=1 Group A JCAHPO credit

Room	8:00 am-8:50 am	9:10 am-10:00 am	10:20 am-11:10 am	11:30 am-12:20 pm
Grand Ballroom A	<b>NEW! 01SU1</b> Higher Visual Disorders (Advanced) VAPHIADES	<b>NEW! 01SU2</b> Congenital Glaucoma Genetics (MASTERS) YOUNG	<b>01SU3</b> Which is the Neuro-Ophthalmic Emergency? (Intermediate) PORTNOY	<b>NEW! 01SU4</b> Functional Vision Loss: The Cases That Haunt Us (Advanced) PORTNOY
Grand Ballroom B	<b>NEW! 02SU1</b> Ocular Toxicology for the Ophthalmic Assistant (Intermediate) GAYNES	<b>NEW! 02SU2</b> Finding Your Inner Child—Tips for the Pediatric Exam (Intermediate) CYCCONE	<b>02SU3</b> AMD Patient Selection and Management with the Implantable Miniature Telescope (Intermediate) RUBENSTEIN	<b>02SU4</b> Becoming the Best Technician for Your Patients (Basic) CAMPOS
Grand Ballroom C	<b>03SU1</b> Teaching Skills for Successful Technicians (Intermediate) BROWN	<b>03SU2</b> Ocular Oncology 2017: Advanced Management and Improved Outcomes for Our Patients (Advanced) MURRAY	<b>NEW! 03SU3</b> Cataract Surgery: Managing Complicated Cases (Advanced) KHERANI	<b>NEW! 03SU4</b> Medicolegal Issues of the Electronic Health Record (Advanced) PINEDA
Grand Ballroom D	<b>04SU1</b> Lean Six Sigma in Ophthalmology—PACT Matters (Advanced) PARKER	<b>NEW! 04SU2</b> Ocular Trauma and Management (Intermediate) KHERANI	<b>04SU3</b> Rock Star Tech: Channeling Your Inner Bon Jovi (Intermediate) TURMAN	<b>NEW! 04SU4</b> Leading Your Tech Team (Intermediate) TURMAN
Grand Salon A	<b>NEW! 05SU1</b> Evaluating Patients for Cataract Surgery (Intermediate) MILLER	<b>05SU2</b> My Vision Goes In and Out: So What Does That Mean? (Masters) SCHIFFMAN	<b>05SU3</b> Temporal Arteritis (Intermediate) SCHIFFMAN	<b>05SU4</b> Grand Rounds: Case Studies in Ophthalmic Ultrasound (Masters) LOREK
Grand Salon B	<b>06SU1</b> Depth of Focus and Multifocality (Intermediate) GUPTA	<b>06SU2</b> Femtosecond Laser for Complicated Cases and Astigmatism (Advanced) TARAVELLA	<b>06SU3</b> Perioperative Care of the Cataract Patient (Intermediate) TARAVELLA	<b>06SU4</b> Color Vision Testing (Intermediate) SIMMS
Grand Salon C	<b>07SU1</b> Eyelid and Facial Lesions: The Good, The Bad, and Modern Treatments (Intermediate) HUDAK	<b>07SU2</b> The Ophthalmic Technician's Critical Role in Medical Quality and Patient Safety (Basic) GORRY	<b>NEW! 07SU3</b> Scientific Review of Vision Therapy (Intermediate) SEXTON	<b>07SU4</b> What They See is What YOU Should Get! Tips on Measuring Visual Acuity (Basic) LICHTENSTEIN
Grand Salon D	<b>NEW! 08SU1</b> Compliance Plans—Keeping It Simple (Intermediate) RAPUANO	<b>NEW! 08SU2</b> Tips For an Effective Billing Office (Intermediate) RAPUANO	<b>08SU3</b> Lotions, Potions, Toxins, and Fillers: Non-Surgical Rejuvenation (Intermediate) KHERANI	<b>NEW! 08SU4</b> Presbyopia Update: Clinical Trials and New Technologies (Masters) CHU
St. James	<b>NEW! 09SU1</b> Introduction to Ocular Prosthetics (Intermediate) MILLER	<b>NEW! 09SU2</b> Retinoblastoma (Advanced) GALLIE	<b>09SU34</b> Glaucoma Sub-Specialty Session (Intermediate) MILLER-ELLIS	
Jefferson	<b>10SU1</b> Houston, We've Got a Problem! Investigating an Infection in the ASC (Intermediate) DEAN	<b>NEW! 10SU2</b> The Management of Endophthalmitis (Intermediate) DAVIES	<b>NEW! 10SU3</b> OCT and FA: Layers of the Retina (Advanced) CHESHER	<b>NEW! 10SU4</b> DARN IT! What to Consider Before Dilating the Patient (Basic) BENNETT
Parish				<b>NEW! 11SU45W—BOOT CAMP</b> Neuro-Tech (Intermediate) SHUKLA
Jackson	<b>12SU12W—WORKSHOP</b> Refractometry—Plus Cylinder (Basic) ORONA		<b>12SU34W—WORKSHOP</b> Refractometry—Plus Cylinder (Basic) CHENG	
Camp	<b>13SU12W—WORKSHOP</b> Advanced Slit Lamp Examination Techniques (Advanced) MUCKLEROY		<b>13SU34W—WORKSHOP</b> Advanced Slit Lamp Examination Techniques Workshop (Advanced) MUCKLEROY	
Magazine	<b>14SU12W—WORKSHOP</b> Lenstar Optical Biometry (Advanced) FLETCHER			<b>NEW! 14SU45W—WORKSHOP</b> Pentacam Topography (Intermediate) O'FLAHERTY
Canal	<b>15SU1W—WORKSHOP</b> Anatomy and Dissection of the Eye (Basic) SCRIBBICK	<b>15SU2W—WORKSHOP</b> Anatomy and Dissection of the Eye (Basic) SCRIBBICK	<b>15SU3W—WORKSHOP</b> Anatomy and Dissection of the Eye (Basic) SCRIBBICK	<b>15SU4W—WORKSHOP</b> Anatomy and Dissection of the Eye (Basic) SCRIBBICK
Royal	<b>16SU1W—WORKSHOP</b> UBM <b>CANCELLED</b> (Basic) SIMMS	<b>16SU2W—WORKSHOP</b> UBM (Basic) SIMMS		<b>NEW! 16SU45W—BOOT CAMP</b> Anterior Segment (Advanced) PARKER
Commerce	<b>17SU12W—LECTURE AND WORKSHOP</b> Comprehensive Lensometry <b>CANCELLED</b> (Basic) JOHNSON			<b>17SU4W—WORKSHOP</b> Keratometry (Basic) DALY



# Sunday Day-at-a-Glance

12:40 pm-1:30 pm	1:50 pm-2:40 pm	3:00 pm-3:50 pm	Room
<b>01SU5</b> A Clinical Approach to Ophthalmic Mathematics (Intermediate) WOODWORTH	<b>01SU6</b> Technician Clinical Efficiency and Patient Flow Pearls (Intermediate) WOODWORTH	<b>01SU7</b> Vision Care in a Changing Healthcare Environment (Intermediate) TSAI	Grand Ballroom A
<b>02SU5</b> Neuro-Ophthalmic Emergencies You Do Not Want to Miss (Masters) BHATTI	<b>02SU6</b> Optic Neuropathy: As Easy as 1-2-3-4 (Masters) BHATTI	<b>02SU7</b> Evaluation and Disorders of the Pupil (Intermediate) PATEL	Grand Ballroom B
<b>03SU5</b> Top 10 Reasons Not to Dilate a Patient (Intermediate) SCANLON	<b>03SU6</b> Ocular Toxicity From Systemic Medications (Advanced) DESAI	<b>03SU7</b> Current Modalities of Corneal Tissue Preparation for Surgery (Intermediate) PENTA	Grand Ballroom C
<b>04SU5</b> Vertical Deviations (Intermediate) O'HARA	<b>04SU6</b> Blue Light 2.0—Science, Facts, and Future (Intermediate) BURT	<b>04SU7</b> Amniotic Membrane (Intermediate) TOWNLEY	Grand Ballroom D
<b>05SU5</b> Echo and Angio Correlations of Choroidal Neoplasms (Intermediate) SIMMS	<b>05SU6</b> Endothelial Keratoplasty: Understanding DSAEK and DMEK (Intermediate) HARRIS	<b>05SU7</b> Under the Knife: Behind the Scenes of Difficult Cases (Advanced) SCRIBBICK	Grand Salon A
<b>06SU5</b> Ocular Manifestations of Sleep Apnea (Intermediate) BOUCHARD	<b>NEW! 06SU6</b> miLOOP—Micro-Interventional Cataract Surgery (Advanced) LIVECCHI	<b>NEW! 06SU7</b> Presbyopia Update (Intermediate) LIVECCHI	Grand Salon B
<b>07SU5</b> Eye Evaluation and Triage (Basic) BUSSA	<b>07SU6</b> Infection Prevention in Ophthalmology (Basic) POLLACK-RUNDLE	<b>07SU7</b> Visual Pathway and the Visual Field (Basic) POLLACK-RUNDLE	Grand Salon C
<b>NEW! 08SU5</b> Better Surgery Through Chemicals (Advanced) MYERS	<b>NEW! 08SU6</b> Clinical Applications of Anterior Segment OCT (Intermediate) ARMSTRONG	<b>08SU7</b> Identifying and Assisting the Patient With Low Vision (Basic) SHEPHERD	Grand Salon D
<b>09SU56</b> Retina Sub-Specialty Session (Intermediate) STEWART		<b>09SU7</b> Things That Make You Go HMMMMMM? (Basic) COLON	St. James
<b>NEW! 10SU5</b> ASC Compliance with Life Safety Codes (Basic) DEAN	<b>NEW! 10SU6</b> Ophthalmic Instrument Care and Sterilization (Intermediate) DEAN		Jefferson
	<b>NEW! 11SU67W—BOOT CAMP</b> Neuro-Tech (Intermediate) SHUKLA <b>CANCELLED</b>		Parish
<b>12SU56W—WORKSHOP</b> Refractometry—Minus Cylinder (Basic) RODGERS			Jackson
			Camp
	<b>NEW! 14SU67W—WORKSHOP</b> Pentacam Topography (Intermediate) O'FLAHERTY		Magazine
	<b>15SU67W—WORKSHOP</b> Surgical Assisting (Basic) DELAPENA <b>CANCELLED</b>		Canal
	<b>NEW! 16SU67W—BOOT CAMP</b> Anterior Segment (Advanced) PARKER <b>CANCELLED</b>		Royal
<b>17SU5W—WORKSHOP</b> Keratometry (Basic) CAROW	<b>17SU6W—WORKSHOP</b> Keratometry (Basic) YAWN	<b>17SU7W</b> Keratometry (Basic) YAWN <b>CANCELLED</b>	Commerce



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# Event Highlights

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- Grand Rounds Case Presentation: Oculoplastics
- Grand Rounds Case Presentation: Optics and Difficult Refractions
- Grand Rounds: Case Studies in Ophthalmic Ultrasound
- My Vision Goes In and Out: So What Does That Mean?
- Mystery Retina 2017: Interactive Discussion of Challenging Cases
- Neuro-Ophthalmic Emergencies You Do Not Want to Miss
- Optic Neuropathy: As Easy as 1-2-3-4
- Presbyopia Update: Clinical Trials and New Technologies
- Retina Clinical Trial Update 2017

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# Get Authoritative Coding Instruction at AAO 2017

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Photo courtesy of the American Academy of Ophthalmology

**Fees:** Separate course fees are required to attend. It is not included in the Academy Plus course pass. Note that if you are *only* attending this course, you do not need to register for AAO 2017.

**Early registration** (ends Aug. 9): \$245

**Pre-registration** (ends Oct. 13): \$265

**Starting Oct. 14:** \$295

### Presenters

**Special presentation by:** Michael X. Repka, MD, MBA, Academy Medical Director for Governmental Affairs

**Instructors:** Elizabeth Cottle, CPC, OCS; Kristin Carter, MD; Joy Woodke, COE, OCS

**Moderator:** Sue Vicchilli, COT, OCS, Academy Director of Coding & Reimbursement

**For more information and to register for this event, please visit [aao.org/2017](http://aao.org/2017)**

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CLSA's mission is dedicated to the education, promotion, and advancement of the contact lens profession.

This special track will feature world-renowned faculty, speaking on the technical aspects of specialty contact lenses and medical management of contact lenses.

Register for this one-day high impact program, including six hours of continuing education, a networking lunch, and reception, on Saturday, November 11. The Symposium begins at 9:10 am, following the Harold A. Stein, MD Lecture by Donald A. Gagliano, MD, MHA, FACHE, CPE (US Army, Retired).

**Register for CLSA Contact Lens Symposium using the registration form (page 5-6) or online at [www.jcahpo.org/ACE](http://www.jcahpo.org/ACE).**

**[www.clsa.info](http://www.clsa.info)**

9:10 am-9:20 am

CLSA Welcome

Jefferson Room

9:20 am-12:20 pm

Credits: 3 A JCAHPO\*

## Technical Aspects of Specialty Contact Lenses (10SA234C)

**Description:** This session includes options for correcting astigmatism, scleral lens use, and troubleshooting tips. Care, handling, and storage for in-office and at-home attention will be presented. A panel of presenters will hold a roundtable discussion highlighting experiences with specialty contact lenses. Lecture presentations are:

- Astigmatic Correction with Soft and Rigid Contact Lenses
- In-Office/At-Home Care and Storage of Specialty Contact Lenses
- Scleral Lens Troubleshooting: Principles and Practice
- Specialty Contact Lens Roundtable

12:20 pm-1:10 pm

Networking Lunch

1:10 pm-4:10 pm

Credits: 3 A JCAHPO\*

## Medical Management of Contact Lenses (10SA67C)

**Description:** This session covers medical uses of contact lenses such as Orthokeratology (Ortho-K), a corneal reshaping therapy for refractive conditions. In addition, the course will cover medical conditions that manifest complications of contact lens wear, including indications and contraindications of dry eye. The session concludes with a roundtable discussion of experiences with medical-use contact lenses led by a panel of experts. Lecture presentations are:

- Myopia Control: Utilizing Ortho-K in a Medical Practice
- The Technician's Side of the Dry Eye Workup
- Medical Contact Lens Roundtable

4:10 pm-4:30 pm

Reception

*\*These courses have been submitted to the ABO-NCLE for continuing education credit.*



## REGISTER TODAY!

The CLSA Contact Lens Symposium will provide valuable information on contact lenses that you can take back and apply in your workplace.

Following the Symposium, CLSA invites registered attendees to continue networking with peers, presenters, and contact lens specialists, while enjoying a complimentary drink and light hors d'oeuvres.

Earn additional CE by registering for both the Harold A. Stein Lecture by Donald A. Gagliano, MD, MHA, FACHE, CPE (US Army Retired), before the Symposium, and the ATPO Super Tech program, a learning experience in a fun, game show like format, immediately after the Symposium reception.



CLSA is more than a membership society. It is a group of focused, passionate, and knowledgeable individuals, who share their experiences and learn from one another. CLSA holds educational meetings, provides online continuing education courses, publishes textbooks, has a quarterly journal on contact lens topics, and offers career development through the Fellow Program, CLSA's most prestigious level of achievement.

Join a community, increase your knowledge, expand your career, and much more.

[www.clsa.info](http://www.clsa.info)



## Faculty Presenters

### MD Faculty

Deborah S. Jacobs, MD  
Medical Director, BostonSight®  
Needham, MA

Peter R. Kastl, MD, PhD  
Professor of Ophthalmology, Tulane University  
New Orleans, LA

Bruce H. Koffler, MD  
Principal, Koffler Vision Group  
Lexington, KY

### CLSA/Technician Faculty

Jane Beeman, FCLSA  
Contact Lens Specialist, Flaum Eye Institute  
Rochester, NY

Lindsay Cassidy, COT, OSC  
Ophthalmic Technician, Koffler Vision Group  
Lexington, KY

Buddy Russell, COMT, FCLSA, FSLs, LDO  
Contact Lens Technologist, Thomas Eye Group  
Atlanta, GA



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# BOOT CAMP

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### New Boot Camps:

1. Neuro-Tech Boot Camp: Intermediate
2. Optical Biometry and IOL Calculations  
Boot Camp: Advanced
3. Anterior Segment Boot Camp: Advanced

Register early for these **NEW** boot camps. Space is limited. Complete descriptions on page 51.



**COURSE LEVEL**  
BASIC

**COURSE TITLE**  
NEW! Always Be Careful: The ABCs of Office Safety (07FR5)  
Jan K. Ledford, COMT, Franklin, NC  
Friday, 12:40 pm-1:30 pm

**ROOM**  
**DAY**

**DAY**  
**TIME**  
**FACULTY**  
**CREDITS**  
Credits: 1.00 A JCAHPO, AOC-NC, OPS 1:2  
**HOUR**

## BASIC

# JCAHPO Course Descriptions

## ADVANCED

### Lean Six Sigma in Ophthalmology—PACT Matters (04SU1)

Matthew L. Parker, PhD, LSSMBB, COMT, CST, OSC, Atlanta, GA

Sunday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course is about embracing Six Sigma methodology to create a lasting professional culture and applying simple changes to benefit our ophthalmology patient services. This course will look closely at managing the ophthalmology practice by reviewing strategies to reduce practice waste, encourage superior time management, recognize technical personnel development and improve clinical flow. Six Sigma is a PACT (Process, Attitude, Communication and Time) balance necessity.

## 2. Chart Documentation/Coding/Scribing/Triage

## BASIC

### Eye Evaluation and Triage (07SU5)

John J. Bussa, MD, Janesville, WI

Sunday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course teaches assessment of telephonically received eye complaints to include urgency of evaluation. It uses symptoms of pain and decreased vision as well as duration, age, tempo and binocularity as assessment tools of acute vision loss, chronic vision loss, red eye, injuries and referrals. Excellent clinical slides supplement a well organized plan for removal of technician anxiety regarding telephone evaluation of eye concerns.

### Name That Modifier! (07FR3)

Jennifer Edgar, OCS, San Francisco, CA

Friday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-NC

**Description:** This fun and interactive course is designed to define the most used modifiers and how to append them to services performed. CPT codes do not always tell the complete story for what transpired during the visit. Modifiers are an integral part of informing the payers what was done and why. They can indicate when a service has been altered or changed in some way. By learning the nuances of modifiers and understanding when they should be appended, technicians alleviate any additional questions that may arise before claims are submitted which improves efficiency for the entire practice.

**Financial interest disclosed**

### NEW! The Role of the Technician or Scribe in Avoiding Claim Denials (04FR1)

Elizabeth J. Woodke, OCS, COE, Eugene, OR

Matthew M. Baugh, MHA, COT, OCS, OSC, West Jordan, UT

Friday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-NC

**Description:** Insurance claim denials can be common in coding and reimbursement. Identifying contributing factors can help reduce the burden. Understanding the process and how proper documentation and correct coding can increase the accuracy and proper reimbursement for the claims submitted. This course will present effective techniques for technicians to use to prevent denials.

**Financial interest disclosed**

### NEW! Tips for An Effective Billing Office (08SU2)

Sara B. Rapuano, MBA, OCS, NPC, San Bernadino, CA

Sunday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-NC

**Description:** This course will discuss the vital role that technicians play in supporting the physician's compliant chart documentation and coding. It will cover the basic rules of documentation to support coding to become an integral part of the billing team.

**Financial interest disclosed**

## INTERMEDIATE

### NEW! Compliance Plans—Keeping It Simple (08SU1)

Sara B. Rapuano, MBA, OCS, NPC, San Bernadino, CA

Sunday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-NC

**Description:** This course will discuss how chart documentation is vital to supporting the coding for claims submission and the importance of a complete and accurate medical record to coding, documentation and compliance. It will also address the risks associated with inadequate or improperly done compliance reviews and outline the basic components of a compliance audit.

**Financial interest disclosed**

### NEW! Get the 411 on Billing Testing Services (04FR4)

Jennifer Edgar, OCS, San Francisco, CA

Donna B. Marks, OCS, Plaistow, NH

Friday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-NC

**Description:** Coding is a team sport and requires all staff to understand what is necessary to keep the practice profitable. Key areas such as appropriately performing and billing testing services will assure practice success. All staff in the ophthalmic practice should be aware of the vulnerabilities and how to protect the practice. The course will provide coding scenarios that define what is necessary for testing services.

### Histories and Exams that Make Your Physicians and Payers Proud (01FR7)

Matthew M. Baugh, MHA, COT, OCS, OSC, West Jordan, UT

Friday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** Like patient care, coding is a team effort. This course is designed to help you understand the technician's role in the coding process; provide helpful coding tips when documenting histories, exam elements and scribing; review the coding rules for E/M and Eye Codes, and make you aware of common errors that may limit your practice's ability to submit the necessary level of exam.

### NEW! Intermediate Coding Session (11SA23)

Kirk A. Mack, COMT, CPC, COE, CPMA, Galveston, TX

Saturday, 9:10 am-11:10 am

Credits: 2 A JCAHPO, AOC-NC

**Description:** In this interactive lecture and workshop, the basics of CPT coding for in-office services will be discussed. Topics addressed will include the differences between evaluation and management codes and the eye codes, the required elements for comprehensive and intermediate eye code, chart requirements for diagnostic testing and the requirements for modifiers 24, 25 and 57. This session includes an interactive, hands-on workshop.

**Financial interest disclosed**

Credits: 2 A JCAHPO

### NEW! Making ICD-10 Your BFF for Payment (04FR2)

Sue J. Vicchilli, COT, OCS, Salt Lake City, UT

Friday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-NC

**Description:** Proper documentation plus the link between CPT and ICD-10 codes creates the award-winning combination for claim accuracy and payment. This course will discuss the latest round of new ICD-10 codes and their nuances and offer valuable tips to assist the physician in this confusing process.

### Technician Clinical Efficiency and Patient Flow Pearls (01SU6)

Kenneth E. Woodworth, Jr., COMT, COE, FASOA, Lexington, KY

Sunday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:2

**Description:** This course will offer technicians tips and pearls for providing efficient, quality patient care. Emphasis will be placed on maximizing efficient scheduling, screening and patient exams, coding and use of clinical resources and equipment. Most common inefficiencies in a clinic will be discussed. The synergistic relationship between the technical and physician components of a patient encounter will be presented from a physician and coding perspective. Technician efficiencies and effectiveness measured by certification will be addressed using clinical data.



# JCAHPO Course Descriptions

## NEW! Technician's Role in Internal Chart Audits (06SA4)

Kevin J. Corcoran, CPC, San Bernardino, CA

Saturday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-NC

**Description:** Ophthalmic medical technicians play a vital role in providing ophthalmic care in most practices and are ideal candidates for taking on responsibility for compliance and auditing within the practice. Strategies for creating a compliance team that includes technicians will be discussed.

## ADVANCED

## NEW! Medicolegal Issues of the Electronic Health Record (03SU4)

Michelle Pineda, MBA, San Francisco, CA

Sunday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-NC, OPS 1:2

**Description:** This course will discuss electronic healthcare record challenges and provide examples of where documentation can go wrong. Using actual claims and lawsuits, the instructor will present examples of the pitfalls relating to the use of EHRs and provide recommendations on how to better utilize your system to reduce the risk of patient harm.

## 3. History Taking

### BASIC

## Things That Make You Go HMMMM? (09SU7)

Beth J. Colon, COT, OSC, Buffalo, NY

Sunday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will discuss common patient complaints and the questions technicians may ask to gather accurate histories. Discussion topics will include the red eye, pediatric problems and perplexing complaints.

### INTERMEDIATE

## NEW! History Taking in a Retina Specialty Practice (02FR7)

Susan K. Busch, BA, COMT, Haltom City, TX

Friday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** History taking basics provide the foundation for all sub-specialty practices. However, there are subtleties that make a difference in a retina practice, such as knowing how to triage phone calls and how soon a patient needs to be seen. Become the expert! Learn detailed questions to ask a patient about their symptoms and disease to make your retina doctor more efficient.

## NEW! If You Had a Broken Leg, I Could Help You (08SA5)

Christine M. McDonald, COA, COE, ROUB, OSC, Fenton, MO

Saturday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will discuss patient advocacy. What happens to a patient when poor histories are taken, symptoms are not considered and medicines are being prescribed from multiple doctors? Can we figure out what's happening with this patient? Help put the clues together in this interactive course.

## The Importance of the Technician's Role in the Ophthalmic Exam (06SA67)

Michael W. Stewart, MD, Jacksonville, FL

Saturday, 1:50 pm-3:50 pm

Credits: 2 A JCAHPO, AOC-NC, OPS 1:2

**Description:** This course will cover the finer points and pitfalls of the history and examination (pupils, confrontation fields, vision testing, motility, etc.) in preparing the patient for the ophthalmologist.

Financial interest disclosed

## 4. General Ophthalmic Knowledge

### BASIC

## Basic Spanish for Ophthalmic Personnel (05SA4)

Zoraida Fiol-Silva, MD, Philadelphia, PA

Saturday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:2

**Description:** This course will teach and review the most important words and phrases in the Spanish language relevant to Allied Ophthalmic Personnel when working with Spanish speaking patients. The course will teach words and phrases and their pronunciation. The emphasis of the course is to teach the AOP the basics to help navigate through patient triage.

## Equipment Repair and Maintenance (03FR1)

Jeffery A. Hunter, COT, Streetsboro, OH

Friday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-NC, OPS 1:2

**Description:** This course will provide information on how to care for and maintain your ophthalmic instruments and save your office on costly repairs.

## General Medical Knowledge and Terminology (07FR1)

Patricia T. Lamell, MEd, CO, OSC, Jacksonville, FL

Friday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-NC, OPS 1:1

**Description:** This course will define basic ophthalmic terminology and abbreviations, as well as review the basic components of the eye examination in a memorable and entertaining way.

## Medical Ethics (07SA3)

Hon-Vu Q. Duong, MD, Las Vegas, NV

Saturday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C

**Description:** This course will discuss the definition of medical ethics, scope of ethics in the medical practice, theories and principles of ethics and the professional duties associated with ethics.

## Second Chance Genetics You Can Really Understand! (07SA2)

William C. Lloyd III, MD, FACS, Sacramento, CA

Saturday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Description:** Many groundbreaking discoveries about the powerful role of genetics in human health and disease came from studying inherited eye disease—and the tradition continues. Unlike other specialties, molecular medicine has already entered mainstream ophthalmology. Did you have problems understanding genetics in school? Here's a second chance to learn it for good! This informative and clinically-relevant presentation will update your understanding of DNA and how the principles of genetics are revolutionizing eye care.

### INTERMEDIATE

## A Clinical Approach to Ophthalmic Mathematics (01SU5)

Kenneth E. Woodworth, Jr., COMT, COE, FASOA, Lexington, KY

Sunday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-NC

**Prerequisite:** An understanding of algebra and ophthalmic terminology, and a familiarity with basic clinical optics. A pocket calculator would be helpful.

**Description:** This course is intended for ophthalmic medical personnel who are interested in learning how to perform basic calculations concerned with optics in ophthalmology. Learners will perform calculations concerned with the following: diopters and focal lengths, prisms and the conversion of prism diopters to degrees, spherical equivalents, transposition and Prentice's rule. The approach will be through lecture, demonstration of sample calculations and participation by those attending the course.

# JCAHPO Course Descriptions

## Anatomy and Physiology for AOP (07SA7)

Steven J. Lichtenstein, MD, FAAP, FACS, FAAO, Peoria, IL

Saturday, 3:00 pm-3:50 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Prerequisite:** Understanding of ophthalmic terminology and general medical knowledge.

**Description:** This lecture incorporates visual aids in describing the anatomic and physiologic components present in the visual system. The visual pathway, ocular and extraocular structures, and neurologic and systemic components affecting vision will be discussed. The importance of understanding basic principles of ocular physiology in affecting exceptional patient care and work-up will be discussed. Also included will be the role that major ocular structures play in physician determination of overall ocular health.

## Blue Light 2.0—Science, Facts and Future (04SU6)

Alan Burt, ABOC, Rancho Cordova, CA

Sunday, 1:50 pm-2:40 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Description:** Blue light is present everywhere in our daily lives, from sunlight to most electronic devices. The course will walk us through the unintended consequences of too much artificial blue light in our daily environment. We will identify the sources, the implications of over-exposure to our eye health and general well-being and learn about the leading recommendations for protecting your patients' vision and eye health over their lifetime.

**Financial interest disclosed**

## Human Microbiology (03FR5)

Robert M. Kershner, MD, MS, FACS, Palm Beach Gardens, FL

Friday, 12:40 pm-1:30 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Part of the award-winning Mini-Medical School Series®, Dr. Kershner's Human Microbiology course provides a comprehensive review of the microbial pathogens that cause human disease. This course will review bacteria, viruses, prions, fungi, parasites, protozoans and worms. This course is an excellent way to add to your existing knowledge of human microbiology and prepare for the certification exams.

## NEW! Ophthalmic Instrument Care and Sterilization (10SU6)

Elethia C. Dean, RN, BSN, MBA, PhD, Columbus, OH

Sunday, 1:50 pm-2:40 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** Course will cover the care and handling of ophthalmic instruments. It will include requirements for cleaning, disinfection, as well as sterilization. Care of autoclaves, logs, peel pouches, wraps, maintenance and other aspects associated with care of ophthalmic instruments will be discussed.

## Repair and Maintenance of Phoropters (03FR2)

Jeffery A. Hunter, COT, Streetsboro, OH

Friday, 9:10 am-10:00 am Credits: 1 A JCAHPO, AOC-NC

**Description:** This course is designed to give instruction of simple repairs and maintenance of phoropters that can help save your office time and money.

## 5. Comprehensive Clinical Ophthalmology

### BASIC

## Infection Prevention in Ophthalmology (07SU6)

Carol J. Pollack-Rundle, BS, COMT, OSC, Saline, MI

Sunday, 1:50 pm-2:40 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Description:** This course will cover infection prevention practices in clinical ophthalmology compliant with Joint Commission and CMS regulations. Specific CDC guidelines for ophthalmic equipment such as lenses and tonometers will be discussed.

## Ocular Infections: Bugs and Drugs—Diagnosis and Management (07SA4)

Francis S. Mah, MD, La Jolla, CA

Saturday, 11:30 am-12:20 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will review the various ocular infections including conjunctivitis, blepharitis, keratitis, blebitis and endophthalmitis. Concentrating on diagnosis, infectious etiologies and management, this course will be interactive and case-based.

### INTERMEDIATE

## Amniotic Membrane (04SU7)

James R. Townley III, MD, Lackland Afb, TX

Sunday, 3:00 pm-3:50 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will discuss the different preparations of amniotic membrane, how it is stored, theories on how it works and multiple uses for amniotic membrane on the eyelids and ocular surfaces.

## Color Vision Testing (06SU4)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON Canada

Sunday, 11:30 am-12:20 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will cover color vision and color vision defects before moving on to the different ways to test color vision. A review of pseudoisochromatic plates, the D-15 and the 100 Hue will be covered. A case study of a family with color vision defects will be presented. The different testing methods will be shown in an attempt to determine the type of color vision defect present.

## Intermediate Ocular Motility: What's Next After the Basics? (03FR7)

Lisa P. Rovick, MHSc, COMT, CO, Minneapolis, MN

Friday, 3:00 pm-3:50 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Once you have assessed EOMs and performed cover testing in primary gaze, then what? This case-based course will cover some additional testing you might perform to help the physician make appropriate treatment/referral decisions.

## NEW! Introduction to Tele-Ophthalmology (08SA6)

Janet L. Hunter, BS, COMT, Brooklyn, NY

Saturday, 1:50 pm-2:40 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:2

**Description:** This course is designed to present an overview of the new advances in telemedicine and more specifically tele-ophthalmology. The course will review the current state of tele-ophthalmology and the different services currently being offered as well as detailed overview of the 20/20Now Tele-ophthalmology Methodology. Detailed discussion will also highlight the types of patients that are good candidates for telemedicine versus patients requiring in person eye examinations. The future of tele-ophthalmology will be discussed Nationally and Worldwide. A live demonstration of a refraction performed via Telemedicine will be included.

## NEW! Ocular Toxicology for the Ophthalmic Assistant (02SU1)

Bruce I. Gaynes, OD, MS, PharmD, Maywood, IL

Sunday, 8:00 am-8:50 am Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Description:** This course will introduce concepts related to toxicology and discuss drug products with known ocular toxicity that are commonly seen in clinical practices. The course will discuss the FDA reporting system for adverse drugs and how you can help in reporting adverse drug reactions.

## NEW! Presbyopia Update (06SU7)

John T. Livecchi, MD, FACS, FSEE, Kissimmee, FL

Sunday, 3:00 pm-3:50 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This updated course seeks to advance the audience's knowledge on the subject of presbyopia. It will include the mechanisms of accommodation and the latest methods to surgically correct presbyopia. A brief history of the evolution of presbyopia will be discussed.

# JCAHPO Course Descriptions

## The Uveitis Patient...Do Not Freak Out! (06FR3)

Nickole R. Delaney, COA, OSC, Galena, OH

Friday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will address the complete work-up of the uveitis patient.

## Top 10 Reasons Not to Dilate a Patient (03SU5)

Sally Ellen F. Scanlon, COT, OSA, Fort Myers, FL

Sunday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Often a patient's eyes are dilated as part of a work-up. Knowing when and when not to dilate is important because certain signs or symptoms could be overlooked, inconvenience could be put on the patient to come back, or worse, a serious problem could be missed. Using case-based history examples, this course will discuss the importance of a thorough pupil assessment before dilation.

## NEW! You Saw What? A Curious Compendium of Ocular Oddities (02SA5)

William H. Ehlers, MD, Avon, CT

Saturday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:2

**Description:** A collection of cases that demonstrate some rare and fascinating ocular maladies. It will feature a mix of history, case presentations and epidemiology that covers unusual diagnoses from around the world, running the gamut from Acanthamoeba Keratitis through Zelwegger Syndrome. Attendees will be invited to share unusual cases they have seen.

## ADVANCED

### Advanced Ophthalmic Pharmacology (04SA3)

Vasudha Panday, MD, San Antonio, TX

Saturday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Prerequisite:** Familiarity with practical experience and an understanding of ophthalmic pharmacology.

**Description:** This course will take the experienced ophthalmic technician through an up-to-date review of classes of ophthalmic medications, their uses and their potential side-effects. Commonly-used medications of each class will be described and used to illustrate important properties of groups of medications, which should help the technician in day-to-day clinical practice.

## NEW! The Myopia Epidemic: Public Health Implications and the Possible Role for Intervention (03SA7)

Bobek Modjtahedi, MD, Baldwin Park, CA

Donald S. Fong, MD, Baldwin Park, CA

Saturday, 3:00 p.m.-3:50 p.m.

1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Myopia is a growing epidemic, reaching near ubiquitous levels in certain populations. This course will examine causes of myopia as well as associated causes of visual impairment including retinal detachments, choroidal neovascular membranes, and myopic degeneration which can lead to blindness. Possible interventions to decrease the progression and severity will be examined including increasing outdoor time, pharmacologic interventions, and orthokeratology (reshaping the cornea with contact lenses).

## New Treatments for Dry Eye Disease (04FR7)

Rolando Toyos, MD, Germantown, TN

Friday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, CEP: CABRN-1

**Description:** New and future dry eye treatments will be featured including drops, drugs and devices.

**Financial interest disclosed**

## Sudden Unilateral Vision Loss (03SA4)

Casey Rogers, MD, Honolulu, HI

Saturday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Description:** Patients presenting on an acute basis with a complaint of sudden unilateral non-traumatic vision loss is a frequent occurrence in an ophthalmic practice. Understanding the most common causes for this condition will allow the technician to focus on the parts of the history and examination that will lead to the most useful information and aid in making an early diagnosis.

## 6. General Surgery

### BASIC

### NEW! ASC Compliance with Life Safety Codes (10SU5)

Elethia C. Dean, RN, BSN, MBA, PhD, Columbus, OH

Sunday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will cover updates to Life Safety Code and Healthcare Facilities Codes affecting the ambulatory surgery center, and how the 2012 version of NFPA 101 and NFPA 99 applies to the ophthalmic ambulatory surgery center.

### Basic Surgical Assisting (01SA6)

Diana M. Hatis, RN, BSN, COT, Boynton Beach, FL

Saturday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will cover universal precautions, aseptic technique and gowning and gloving requirements. It will include information on basic techniques in surgical assisting, care and handling of microsurgical instruments and sterilization procedures. It will cover patient care issues in the surgical setting, including patient preparation, informed consent and post-operative instructions.

### INTERMEDIATE

### NEW! Aseptic Technique in the Ophthalmic OR (05SA7)

Sharon C. Alamalhodaie, COMT, OSC, Palm Coast, FL

Jordan J. Christensen, COT, OCS, OSC, Bullhead City, AZ

Saturday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** The role of the ophthalmic surgical assistant will be discussed. Basic OR equipment and ophthalmic surgical procedures and aseptic technique will be explained. Techniques for maintaining a sterile field, scrubbing, gowning and gloving will be discussed and demonstrated. Methods of sterilization and equipment maintenance will be described.

**Financial interest disclosed**

### Houston, We've Got a Problem!

### Investigating an Infection in the ASC (10SU1)

Elethia C. Dean, RN, BSN, MBA, PhD, Columbus, OH

Sunday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will review root cause analysis and appropriate follow up following infection control breaches in the ASC. The course will discuss steps from identification, data collection, analysis and corrective actions taken following a reported infection in the ASC.

**Financial interest disclosed**

### ADVANCED

### NEW! Better Surgery Through Chemicals (08SU5)

William G. Myers, MD, Chicago, IL

Sunday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will cover controversial topics concerning the risk and benefits of the use of FDA on-label and off-label intraocular medications to improve surgical outcomes. Physiology of intracameral agents and the relationship to TASS, regulatory issues, intracameral dilation options and IFIS, and povidone iodine antiseptics will be discussed.

**Financial interest disclosed**

### Under the Knife: Behind the Scenes of Difficult Cases (05SU7)

Frank W. Scribbick, MD, Fort Sam Houston, TX

Sunday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will present difficult general surgical cases and their management. Important steps in the diagnosis, pre-op and patient management that lead to positive outcomes will be discussed. Complicated procedures and post-op care of various difficult cases and how the technician can recognize and assist in these critical moments will be addressed.

# JCAHPO Course Descriptions

## 7. Cornea

### INTERMEDIATE

#### Corneal Procedures for Today and Tomorrow (02FR5)

Derek W. DelMonte, MD, Aurora, CO

Friday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** The course will update attendees on the latest corneal surgical procedures being performed today. We will discuss new transplant techniques including DSEK, DMEK and lamellar grafting. We will also discuss new therapies for corneal ectasia including corneal ring segments and collagen cross-linking. Indications for these new procedures, as well as decision making about who are good candidates and the timing of intervention will be touched upon.

**Financial interest disclosed**

#### Current Modalities of Corneal Tissue Preparation for Surgery (03SU7)

Jeff Penta, MBA, CEBT, San Diego, CA

Sunday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** Recent advances in technology have allowed for a rapid change in the methods of donor corneal tissue preparation. This course will describe the present techniques of donor tissue preparation for PKP, DSEK, DMEK and IEK. In addition, donor tissue preparation for glaucoma surgery will be discussed.

#### Depth of Focus and Multifocality (06SU1)

Pankaj C. Gupta, MD, MS, Cleveland, OH

Sunday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** Attendees will learn the definitions associated with depth of focus, aberrations and multifocality. With this framework, attendees will be able to use these principles to understand their clinical applications including pinhole testing and how it affects patients in their day to day life. Finally, these principles will be expanded to understand their implications in intraocular lens design and selection for cataract surgery, providing improved patient counseling.

#### Endothelial Keratoplasty: Understanding DSAEK and DMEK (05SU6)

David J. Harris, Jr., MD, Knoxville, TN

Sunday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Prerequisite:** Familiarity with corneal transplant surgery.

**Description:** This course will review the evolution of endothelial keratoplasty into modern DSAEK and DMEK. Operative indications and techniques, intra-operative and post-operative complications, post-operative management, and future directions of endothelial keratoplasty will be discussed.

### ADVANCED

#### Keratoconus and the Other Corneal Ectasias: Update for Technicians (08FR7)

Deborah S. Jacobs, MD, Needham Heights, MA

Friday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will review advances in the diagnosis and treatment of keratoconus, pellucid marginal degeneration, keratoglobus and keratoectasia.

**Financial interest disclosed**

#### NEW! Corneal Cross-Linking (02FR4)

Derek W. DelMonte, MD, Aurora, CO

Friday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This lecture will discuss the scientific value of corneal cross-linking treatment of keratoconus eye disease. It will describe how these corneal anchors prevent the cornea from bulging and becoming steep and irregular. A history of keratoconus, previous treatment and surgical options, diagnostic testing and CXL procedure will be discussed.

## 8. Glaucoma

### INTERMEDIATE

#### Current Concepts in Glaucoma:

#### Management of the Glaucoma Patient (04SA5)

Neil T. Choplin, MD, San Diego, CA

Saturday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** Current thinking about open angle glaucoma, based upon landmark studies that have changed our basic beliefs, will be discussed. Basic concepts about management of glaucoma patients derived from those studies will be included, including medical, laser and surgical approaches.

#### NEW! Glaucoma Tech-knowledge-y (01SA7)

Bobbi E. Ballenberg, COMT, OSC, Stevenson Ranch, CA

Saturday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Description:** This course will present the current technologies being used in the diagnosis and treatment of glaucoma. The emphasis will be on the technician's role in the work-up, diagnostic testing and education of patients, including pearls to achieve optimal test results and suggestions for improving patient compliance with their prescribed treatment regimens.

**Financial interest disclosed**

#### The Tube Talk: Everything You've Always Wanted to Know About Glaucoma Drainage (04SA4)

H. George Tanaka, MD, San Francisco, CA

Saturday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will review the history, development and evolution of glaucoma drainage devices (GDDs) including Molteno, Frapin, Ahmed and Baerveldt. Indications, complications and surgical results will be discussed. New surgical techniques developed by the instructor will also be presented.

**Financial interest disclosed**

#### NEW! Updates on Minimally Invasive Glaucoma Surgery (08FR2)

Michael Patterson, DO, Crossville, TN

Friday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will highlight the new advances and treatments in glaucoma. Highlights will include preoperative patient selection, intraoperative surgical techniques and post-operative data and results. Videos will be used to illustrate the different surgical techniques.

### ADVANCED

#### To Treat or not to Treat:

#### Evaluation of the Glaucoma Suspect (01FR6)

Eydie G. Miller-Ellis, MD, Philadelphia, PA

Friday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, CEP: CABRN-1

**Description:** This case-based course will review the assessment of patients with clinical findings suspicious for glaucoma. Diagnostic tests and glaucoma risk factors will be discussed.

## 9. Oculoplastics

### INTERMEDIATE

#### Can I Really Save a Life with an Oculoplastics Evaluation? (05SA3)

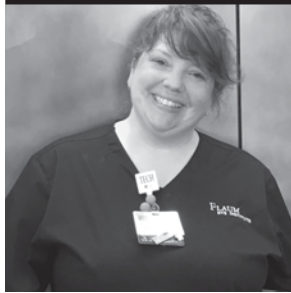
Richard C. Allen, MD, PhD, FACS, Houston, TX

Saturday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** The oculoplastics evaluation is an integral part of the general ophthalmology work-up. The history and examination portion of the oculoplastics evaluation takes minutes to perform and life-threatening conditions can be investigated. This course will discuss the oculoplastics evaluation so that it can be performed quickly and will review some of the life-threatening conditions that can be uncovered.





"It is very rewarding to work with my patients and use the education I have received through JCAHPO certification. With the support of the AGS Certification Grant, earning my COMT has become a reality. I can now advance my career in a way I never dreamed possible!"

—Marie Francis, LPN, COT  
American Glaucoma  
Society Certification Grant, '16

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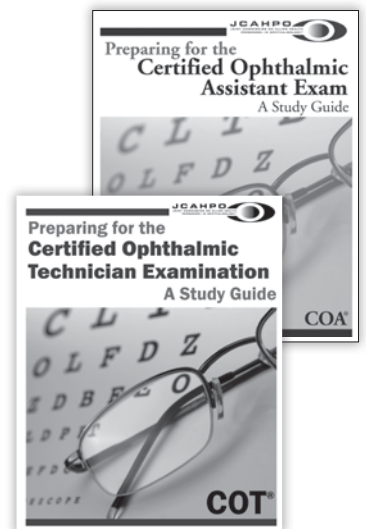
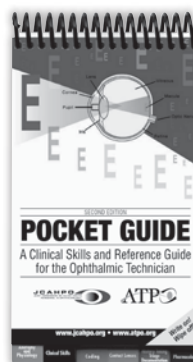
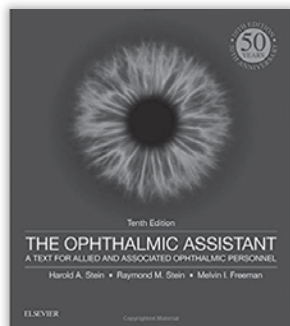
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# JCAHPO Course Descriptions

## Eyelid and Facial Lesions: The Good, The Bad, and Modern Treatments (07SU1)

Donald T. Hudak, MD, West Chester, OH

Paul Brannan, MD, Sarasota, FL

Sunday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** We will discuss various eyelid and facial lesions that can be seen in a general ophthalmology and an oculofacial surgery practice. Symptoms and signs will be presented, as well as various diagnostic and treatment options.

## NEW! Introduction to Ocular Prosthetics (09SU1)

Brian Miller, BCO, Toledo, OH

Sunday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will discuss the various ocular prosthetics available for rehabilitation of the enucleation, evisceration and the phthisical globe. Emphasis will be placed on the role of ophthalmic personnel in aiding patients who need, or have an ocular prosthesis including: timing of referrals, fitting issues, complications, insertion, removal and cleaning.

## Lotions, Potions, Toxins and Fillers: Non-Surgical Rejuvenation (08SU3)

Femida T. Kherani, MD, FRCSC, DABO, Burnaby, BC

Wendy W. Lee, MD, Miami, FL

Sunday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will introduce a variety of non-surgical rejuvenation methods for the face and periocular region. Focus will be on topical treatments, botulinum toxins and dermal fillers that can be used to shape the periocular region and provide patients with a more youthful look. Each of these treatments can be used alone, or ideally, in combination for a more optimal outcome.

**Financial interest disclosed**

## NEW! Ocular Trauma and Management (04SU2)

Femida T. Kherani, MD, FRCSC, DABO, Burnaby, BC

Amin Kherani, MD, Calgary, AB

Sunday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will describe the classifications of eye trauma and an overview of treatment options available to manage different types of ocular trauma.

## ADVANCED

### Ophthalmic Plastic Surgery—Eyelid Malposition Evaluation and Therapy (06FR2)

Rona Z. Silkiss, MD, FACS, Oakland, CA

Friday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:2

**Prerequisite:** Understanding of the anatomy of the eyelids and peri-orbital tissues.

**Description:** This course will discuss eyelid malposition, including evaluation and treatment of ptosis, dermatochalasis, entropion and ectropion.

## 10. Retina

### BASIC

### NEW! DARN IT, What to Consider Before Dilating the Patient (10SU4)

Steven R. Bennett, MD, Edina, MN

Sunday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Dilation has an impact on the ability to diagnose certain conditions, such as a relative afferent pupillary defect, rubeosis and third nerve palsy. This lecture will use extensive photos and videos to explain the conditions that are important to understand and identify before dilating the patient.

### INTERMEDIATE

### AMD Patient Selection and Management with the Implantable Miniature Telescope (02SU3)

Jonathan B. Rubenstein, MD, Chicago, IL

Sunday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Learn the key aspects and updates of AMD (Age Related Macular Degeneration) and new technologies such as the Implantable Telescope Lens. How it works, patient assessment for telescope implant candidacy, how to maximize your system (such as EMR or billing) to engage with patient candidates, and what your role is in patient acceptance and follow-up will be discussed.

**Financial interest disclosed**

### Care of the Retina Patient: Office Injections (01FR1)

E. Mitchell Opremcak, MD, Columbus, OH

Nickole Delaney, COA, OSC, Columbus, OH

Friday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will discuss the different techniques and deliveries of intraocular injections; techniques of numbing, procedure set up, different injectable medications, clinical trials, follow ups and case studies.

### NEW! Practice Essentials: Diabetic Retinopathy Causes, Prevention and Treatment (03FR3)

David A. Faris, MD, Bridgeport, WV

Friday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:1

**Description:** Diabetes mellitus (DM) is a major medical problem throughout the world. In the initial stages of diabetic retinopathy, patients are generally asymptomatic, but in more advanced disease stages, patients may experience a wide range of symptoms. Controlling diabetes, patient workups, patient education, and aggressive treatment play an integral role in the management of diabetic retinopathy. This course will include a comprehensive review of causes, prevention and treatments.

### NEW! The Management of Endophthalmitis (10SU2)

John B. Davies, MD, Edina, MN

Sunday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will provide an overview of endophthalmitis and its management. The signs and symptoms, what questions to ask in triage, causes of endophthalmitis and the interpretation of lab results will be discussed. Finally, the criteria for tap and inject of antibiotics vs. surgical intervention will be covered.

### NEW! Using Artificial Intelligence to Improve Retina Care: The Future is Now (05FR5)

Stephen G. Odaibo, MD, Dubuque, IA

Friday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This lecture will review how artificial intelligence and machine learning are being used to improve retina care.

**Financial interest disclosed**

### ADVANCED

### NEW! Diabetic Retinopathy: Learn to be a Certified Ophthalmic Imaging Assistant (11SA56)

Donald S. Fong, MD, Baldwin Park, CA

Bobek Modjtahedi, MD, Baldwin Park, CA

Jeremy W. Shaw, MD, Baldwin Park, CA

Cecilia Villarreal, COA, La Puente, CA

Saturday, 12:40 pm-2:40 pm

Credits: 2 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:1

**Description:** Techniques for identifying and documenting lesions will be discussed as part of diabetic retinopathy screening. This combined lecture and workshop teaches the skills necessary to recognize and gauge diabetic eye changes. An algorithmic surveillance system will be presented in the course.

### NEW! Investigational Pharmacotherapy for Chorioretinal Vascular Conditions (06SA5)

Michael W. Stewart, MD, Jacksonville, FL

Saturday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Description:** Retina practices are being revolutionized by pharmacotherapy and the development pipeline is rich with new drugs. This course will focus on newly introduced drugs and others that are under investigation.

# JCAHPO Course Descriptions

## Lucentis, Avastin, and Eylea: A New Era in Treatment (03SA3)

Abdhis R. Bhavsar, MD, Minneapolis, MN

Saturday, 10:20 am-11:10 am Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:2

**Prerequisite:** Basic understanding of retinal anatomy and age-related macular degeneration (AMD).

**Description:** This course will describe the latest treatments for AMD, with emphasis on clinical trial results, and suggestions on methods of managing patient expectations and physician expectations with these new treatments. Clinical trials and their results will be contrasted and discussed for treating AMD. An update on the CATT trial results will also be discussed.

**Financial interest disclosed**

## NEW! Macular Degeneration: 2017 and Beyond (08SA2)

Dhar S. Dhandra, MD, FRCSC, New Westminster, BC

Saturday, 9:10 am-10:00 am Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Description:** This course will highlight the new advances and treatments for macular degeneration. Highlights will include current and future treatments such as stem cells, implants, eye drops and injections.

## NEW! Retinoblastoma (09SU2)

Brenda L. Gallie, MD, Toronto, ON

Sunday, 9:10 am-10:00 am Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Description:** Retinoblastoma is rare, but the most common form of cancer affecting children's eyes. This is an exciting time with genetics, technology advances and scientific methods providing real evidence, that are being rapidly translated to solutions. Detection of the predisposing mutation before birth identifies offspring at risk of hereditary retinoblastoma and optical coherence tomography finds invisible tumors to laser before they damage vision. Communication in the circle of care for all families with this cancer, everywhere, includes the parents. Ophthalmic technicians and technologists can play an important role and key to discovery and translation and be at the hub for families. This course will discuss the etiology of retinoblastoma including signs, symptoms, diagnostics tests, novel internet strategies and current and new treatment options.

## 11. Refractive and Cataract Surgery

### INTERMEDIATE

## NEW! Advances Made in Cataract Surgery Over the Past 25 Years (05FR1)

David A. Faris, MD, Bridgeport, WV

Friday, 8:00 am-8:50 am Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will include a comprehensive review of cataract surgery and the changes that have occurred over the past quarter of a century.

## Drugged Out: Medications Used in Cataract Surgery (04SA2)

Vasudha Panday, MD, San Antonio, TX

Saturday, 9:10 am-10:00 am Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Course will discuss medications used in cataract surgery. Medications in all aspects of surgery, from pre- to post-op, as well as anesthetics, will be reviewed.

## NEW! Evaluating Patients for Cataract Surgery (05SU1)

Darby D. Miller, MD, MPH, Jacksonville, FL

Sunday, 8:00 am-8:50 am Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will discuss the signs and symptoms of cataracts, when surgery is indicated, certain limitations to having standard cataract surgery and the risks and benefits of cataract surgery. It will also discuss the latest advancements in cataract surgery including, but not limited to: laser assisted cataract surgery, intra-operative aberrometry and intraocular lenses.

## NEW! miLOOP: Micro-Interventional Cataract Surgery (06SU6)

John T. Livecchi, MD, FACS, FSEE, Kissimmee, FL

Sunday, 1:50 pm-2:40 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** The purpose of this course is to advance the audiences knowledge on miLOOP, a new procedure for micro interventional lensectomy. This novel concept could revolutionize the way cataracts are performed and could become the state-of-the-art cataract procedure of the future. A history of cataract surgery leading up to the endocapsular miLOOP procedure will be discussed.

## Perioperative Care of the Cataract Patient (06SU3)

Michael J. Taravella, MD, Aurora, CO

Sunday, 10:20 am-11:10 am Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will describe the pharmacology of eye drops and the proper method for administering them. Indications for ocular anesthesia, possible complications and tips for properly patching an eye will also be discussed.

**Financial interest disclosed**

### ADVANCED

## NEW! Cataract Surgery: Managing Complicated Cases (03SU3)

Amin Kherani, MD, Calgary, AB

Sunday, 10:20 am-11:10 am Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will cover complications that can occur doing routine cataract surgery. Both planned and unplanned complications will be discussed including the pre-operative, intra-operative and post-operative means for handling such complications. The focus of the discussion will be on retained or dropped lens material and the use of secondary IOLs.

## Custom Cataract Surgery (04FR6)

Rolando Toyos, MD, Germantown, TN

Friday, 1:50 pm-2:40 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Prerequisite:** Familiarity with cataract procedures.

**Description:** This course will outline the steps in laser cataract surgery focusing on how each step is optimized by use of computer-guided Femtosecond laser technology. Course will include a discussion on how to optimize patient outcomes by performing specific pre-operative testing and analyzing specific data points gathered to determine limbal relaxing incision and IOL parameters. Benefits of laser cataract surgery will also be discussed.

**Financial interest disclosed**

## Femtosecond Laser for Complicated Cases and Astigmatism (06SU2)

Michael J. Taravella, MD, Aurora, CO

Sunday, 9:10 am-10:00 am Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Course will cover basic principles in the use of the femtosecond laser in approaching complex cases such as white hypermature cataracts or pseudoexfoliation syndrome. Correction of astigmatism with early results will be presented.

**Financial interest disclosed**

## NEW! Working With the Refractive Surgery Patient (08SA7)

Linda M. Tsai, MD, St. Louis, MO

Saturday, 3:00 pm-3:50 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** Refractive surgery has become more complex and the expectations of the patients have increased over the years. This lecture is designed to give insight for what your surgeon needs during the evaluation and follow-up of these patients.

# JCAHPO Course Descriptions

## 12. Neuro-Ophthalmology

### BASIC

#### NEW! Facial Nerve Palsy: Time Bomb for the Eye (07SA5)

Richard C. Allen, MD, PhD, FACS, Houston, TX

Saturday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** The facial nerve innervates the orbicularis muscle, contraction of which closes the eye and protects it. The involvement of an ophthalmologist is mandatory in patients with facial nerve palsy due to the potential for visual loss in these patients. The purpose of this course is to review the work up of a patient with facial nerve palsy and also the management options for these patients.

### INTERMEDIATE

#### NEW! Diplopia Following Ocular Surgery (02FR6)

Rachid Aouchiche, MD, FACS, Fort Myers, FL

Friday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will review cases of diplopia following various ocular surgeries including anterior segment, retinal and external procedures. Methods of preoperative examination, red flags and management will be discussed.

#### Double Trouble: The Diplopic Patient (02FR2)

Erika Castro Acera, OC(C), La Jolla, CA

Friday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will review how to approach and examine a patient that complains of binocular double vision. Ocular motility and alignment testing such as the Cover Test, Hirschberg, Krimsky and Prism Cover Test will be described. The different types of strabismus will also be reviewed. How to apply prisms and occlusion filters per the doctor's request will be shown.

#### Evaluation and Disorders of the Pupil (02SU7)

Anil D. Patel, MD, Oklahoma City, OK

Sunday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:1

**Prerequisite:** Basic knowledge of the eye and pupil evaluation techniques.

**Description:** This course will describe how to give a proper pupil evaluation, identify common pupil disorders and factors that contribute to pupil disorders.

#### Headaches (02FR1)

Jonathan S. Collins, MD, Herndon, VA

Friday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Headaches are a common complaint in ophthalmology. This course will review the importance of obtaining a complete history from patients complaining of headaches and will review some common headaches caused by ocular issues. It will also review some adverse ocular conditions that are caused by some types of headaches. Components in the history and exam that indicate the need for further systemic evaluation in some patients with headaches will be revealed.

#### Horner's Syndrome Made Simple (05SA5)

Elizabeth M. Palkovacs, MD, FRCSC, San Francisco, CA

Saturday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** The pathophysiology of Horner's Syndrome, the diagnosis and management will be reviewed and discussed.

#### NEW! Neuro-Ophthalmic Problems Not to Miss (05FR6)

Steven A. Newman, MD, Charlottesville, VA

Friday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Delay in diagnosis is common in patients referred for neuro-ophthalmic evaluation. This may be expensive in terms of time and additional studies. More importantly, however, there are some diseases that require early diagnosis and rapid treatment to prevent severe untoward complications. We will briefly emphasize the common neuro-ophthalmic problems that are critical to diagnosis, as well as briefly outline some of the commonly missed and delayed diagnoses seen through a neuro-ophthalmology office.

#### Neuro-Ophthalmology Testing (01FR3)

Aljoeson Walker, MD, Charleston, SC

Friday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:1

**Description:** The roles of MRI, CT, VEP, OCT, Visual Fields and color plates in neuro-ophthalmology will be discussed.

#### NEW! Scientific Review of Vision Therapy (07SU3)

Briar Sexton, MD, Vancouver, BC

Sunday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will review editorials, case series, clinical trials and cochrane reviews on vision therapy. It will discuss using a scientific approach to evaluate vision therapy, where vision therapy isn't warranted and a framework for engaging patients in discussion.

#### Temporal Arteritis (05SU3)

Jade S. Schiffman, MD, Houston, TX

Sunday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C

**Prerequisite:** Basic knowledge of ocular anatomy.

**Description:** This course will explain the diagnosis of temporal arteritis.

#### Which is the Neuro-Ophthalmic Emergency? (01SU3)

Jane Z. Portnoy, MD, Philadelphia, PA

Sunday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This presentation provides four topics with two contrasting cases to highlight which case is emergent and which case is not. For example: two headache patients, migraine vs. giant cell arteritis—Which is the emergency?

### ADVANCED

#### NEW! Functional Vision Loss: The Cases that Haunt Us (01SU4)

Jane Z. Portnoy, MD, Philadelphia, PA

Sunday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** The different types of functional visual loss will be defined and illustrated with case histories.

#### NEW! Higher Visual Disorders (01SU1)

Michael S. Vaphiades, DO, Birmingham, AL

Sunday, 8:00 am-8:50 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course reviews some interesting visual disorders that manifest as a result of stroke and dementia. Examples include pure alexia, prosopagnosia, constructional apraxia, positive visual phenomena of central etiology, Charles Bonnet syndrome and Balint syndrome.

#### NEW! Masquerade Syndromes in Neuro-Ophthalmology (05FR7)

Steven A. Newman, MD, Charlottesville, VA

Friday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Systemic disease may often cause eye findings that can be detected with a neuro-ophthalmic evaluation. It is common to assume that diplopia is due to cranial nerve palsies, as they are the most common cause of binocular diplopia, but there are other causes of paretic abnormalities and restrictive problems that are often missed if there is no obvious evidence of orbital disease.

#### Pupil Cases-When to Worry, When to Watch (02SA6)

Andrew G. Lee, MD, Houston, TX

Saturday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Presentation of pupil cases, including causes of anisocoria, description of life threatening pupil problems and definitions of benign etiologies.



# JCAHPO Course Descriptions

## 13. Pediatrics

### BASIC

#### **NEW! Can My Child See? Assessing Vision in Pre-Verbal Children (07SA6)**

Alexander Christoff, COT, CO, Towson, MD

Saturday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will explore useful techniques and share clinical pearls for assessing visual function in pre-verbal and developmentally delayed children.

### INTERMEDIATE

#### **NEW! Finding Your Inner Child—Tips for the Pediatric Exam (02SU2)**

Mary C. Cyccone, COT, OSC, Shelby Township, MI

Susan Perzyk, COA, Detroit, MI

Emily A. Remick, COT, Farmington Hills, MI

Jennifer H. Wilson, COMT, Garden City, MI

Sunday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This fun course will focus on identifying abnormal vision and motility in children, with tips and techniques to help the child feel at ease during the exam. Attendees will learn how to watch for unusual head postures and eye movements, and how to adapt techniques to achieve the most accurate visual assessment in pre-school and school age children.

#### **NEW! Juvenile Idiopathic Arthritis (JIA) Associated Uveitis: Clinical Pearls (04SA6)**

Tamara L. Lyons, COA, Harrison, OH

Virginia M. Utz, MD, Cincinnati, OH

Saturday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Juvenile idiopathic arthritis (JIA) associated uveitis is the most common form of uveitis in the pediatric population. Up to 50% of patients with this diagnosis will have complications, with approximately 20% leading to permanent vision loss. The clinical features are important to recognize and careful examination can lead to early detection of complication. The technician plays an essential role in helping to examine the child and educating the family. Clinical examples of examination findings and techniques for obtaining a good slit lamp exam, measuring intraocular pressure and teaching parents drop administration in very young children will be covered.

#### **Pediatric Ophthalmology Pearls: The Tricks of the Trade (02SA3)**

Patricia L. Davis, MD, Lisle, IL

Saturday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** How do you approach a roaring lion, a snorting bull or a braying donkey? With grace and aplomb. This course will help familiarize the uninitiated with pediatric exams. We will venture into some of the diagnoses and findings frequently seen in pediatric exams for those familiar with pediatric ophthalmology. There will be a fair amount of neuro-ophthalmology presented as well.

#### **Vertical Deviations (04SU5)**

Mary A. O'Hara, MD, FACS, Sacramento, CA

Sunday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will present an overview of vertical deviations. Discussions will include clinical characteristics and presentation, special testing, diagnosis and treatment options available.

### ADVANCED

#### **NEW! New Thoughts on Amblyopia Treatment—The PEDIG Studies (06FR4)**

William F. Astle, MD, FRCSC, Dipl. ABO, Calgary, AB

Friday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will review the PEDIG studies, examining the effects of patching vs. atropine penalization, and the powerful effect of glasses alone on various forms of amblyopia. New treatments for amblyopia including laser refractive surgery and other refractive treatments will also be discussed.

#### **Nystagmus (01SA5)**

Alexander Christoff, COT, CO, Towson, MD

Saturday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-C

**Description:** In this course, the instructor will share his 15 years of experience as an orthoptist in pediatric ophthalmology and neuro-ophthalmology clinics examining nystagmus patients of all ages to show you how to classify the various types of nystagmus into a small number of easy-to-remember categories to make sense of them, and to make use of this very important clinical sign.

#### **The Push and Pull of Accommodation and Strabismus (03FR6)**

Lisa P. Rovick, MHSc, COMT, CO, Minneapolis, MN

Friday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This case-based course covers the role of accommodation in eye alignment and how manipulation of accommodation is used in the evaluation of strabismus.

## 14. Ocular/Systemic Diseases

### INTERMEDIATE

#### **Hydroxychloroquine (Plaquenil) Toxicity (09SA2)**

William H. Ehlers, MD, Avon, CT

Saturday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will discuss hydroxychloroquine (Plaquenil) use and the ocular manifestations of Plaquenil Toxicity. Discussions will include the symptoms and risk factors for ocular toxicity, the role of the technician in obtaining a detailed history and the importance of various tests for toxicity.

#### **Ocular Manifestations of Sleep Apnea (06SU5)**

Charles S. Bouchard, MD, Maywood, IL

Sunday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will present an overview of the clinically significant findings and relationships between floppy eyelids, sleep apnea and keratoconus.

#### **Ophthalmic Pathology and Oncology (02SA4)**

Hon-Vu Q. Duong, MD, Las Vegas, NV

Saturday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:1

**Prerequisite:** Basic knowledge of ophthalmic pathology.

**Description:** This course will provide a quick comprehensive review of the basic concepts of pathology. It will concentrate on the common eye diseases and the histopathological findings.

#### **The Effect of Non-Ocular Cancers in the Eye and Ocular Adnexa (01SA2)**

Richard C. Allen, MD, PhD, FACS, Houston, TX

Saturday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Although attention by ophthalmologists with regards to cancers is placed on primary cancers of the eye and ocular adnexa, the most common ocular issues with regards to cancers have to do with the secondary effects of non-ocular cancers and the therapies used to treat them. This course will review the common ocular effects of non-ocular cancers and the therapies used to treat them.

# JCAHPO Course Descriptions

## What Is This? Ocular Findings in Systemic Disease (06SA3)

Michael W. Stewart, MD, Jacksonville, FL

Saturday, 10:20 am-11:10 am Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:1

**Description:** This course discusses the relationship between the eye and important systemic diseases. Eyes have often been called the "window" to the rest of the body, a tribute to the many systemic diseases whose ocular findings can lead to accurate diagnoses. This course discusses the ocular findings and their frequent association with systemic diseases.

Financial interest disclosed

### ADVANCED

## Evaluation and Management of Orbital Cellulitis (05SA2)

Michael T. Yen, MD, Houston, TX

Thomas E. Johnson, MD, Miami, FL

Saturday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** Orbital cellulitis is a condition that may be associated with vision- and life-threatening complications. Despite numerous medical advances in anti-microbial therapy, radiographic imaging and surgical technique, the treatment of orbital cellulitis remains challenging. Successful management requires prompt diagnosis, aggressive medical therapy and in some cases, timely surgical intervention. Through lecture and video, participants will learn to assist to manage these patients confidently.

## Ocular Manifestations of Systemic Disease (04SA7)

Peter C. Donshik, MD, W Hartford, CT

Saturday, 3:00 pm-3:50 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Prerequisite:** A minimum of one year in an ophthalmology office.

**Description:** The ocular manifestations of systemic diseases can be common and potentially serious or uncommon and innocuous. It is also important of the ophthalmic team to be able to recognize the possible association of an ocular problem with a systemic disease. This course will review the ocular manifestation of diseases involving the vascular system, blood dyscrasias, metabolic, endocrine disorders and autoimmune diseases.

## Ocular Oncology 2017: Advanced Management and Improved Outcomes for Our Patients (03SU2)

Timothy G. Murray, MD, MBA, Miami, FL

Sunday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Course will present a clinical update on advanced management of intraocular malignancy with a focus on pediatric retinoblastoma and adult melanoma.

Financial interest disclosed

## Ocular Toxicity from Systemic Medications (03SU6)

Komal B. Desai, MD, Leawood, KS

Sunday, 1:50 pm-2:40 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Description:** This course will discuss findings associated with ophthalmic damage and side effects from common systemic medications.

## 15. Diagnostic Testing/Imaging

### BASIC

## NEW! Diagnostic Testing: What is that Machine and What Does it Do? (07FR6)

Sherry D. Malone, COA, OSC, Plymouth, MA

Friday, 1:50 pm-2:40 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:2

**Description:** This course is designed for entry and intermediate level ophthalmic technicians to help them better understand the equipment and diagnostic machinery they will encounter in an ophthalmic practice and the practical uses of those machines.

## Introduction to Contact B-Scan Ultrasonography (EY)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

ONLINE COURSE

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Prerequisite:** This introductory course is being offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org) as a prerequisite to "Diagnostic B-Scan Ophthalmic Ultrasound." It will NOT be offered on-site. To access this course, visit [www.eyecarece.org](http://www.eyecarece.org). Click on the "My Courses" tab, and sign in to view the course. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This course will introduce the participants to the field of B-scan ultrasound. The course will start with the basics of how and why ultrasound is used in ophthalmology, then shift to the specific techniques used during a B-scan exam. These techniques will include applying the probe to the eye, probe positions and examination techniques. Although this course is a required prerequisite to a Diagnostic B-scan hands-on session, it will also be helpful to participants who are unable to attend the hands-on session.

## Introduction to UBM (EY)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

ONLINE COURSE

Credits: 1 A JCAHPO

**Prerequisite:** This introductory course is being offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). It will NOT be offered on-site. To access this course, visit [www.eyecarece.org](http://www.eyecarece.org). Click on the "My Courses" tab, and sign in to view the course. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This course will cover the basics of an ultrasound biomicroscopy exam. It will briefly cover instrumentation before moving into probe positions and scanning techniques. Examples of normal anatomy and common ocular pathology imaged with UBM will round out the course. Although this course is a required prerequisite to a UBM hands-on session, it will also be helpful to participants who are unable to attend the hands-on session.

## Introduction to Ultrasound Biometry (EY)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

ONLINE COURSE

Credits: 1 A JCAHPO, AOC-NC

**Prerequisite:** This introductory course is being offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org) as a prerequisite to "A-Scan Biometry." It will NOT be offered on-site. To access this course, visit [www.eyecarece.org](http://www.eyecarece.org). Click on the "My Courses" tab, and sign in to view the course. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This course will review ultrasound A-scan biometry used for IOL calculations. Contact biometry will be discussed, but the emphasis will be on the immersion biometry exam. Examination techniques will be discussed and illustrated. Although this course is a required prerequisite to an A-Scan hands-on session, it will also be helpful to participants who are unable to attend the hands on session.

## Ophthalmic Ultrasound in Ocular Trauma (08SA3)

Maria B. Ayres, MD, CDOS, ROUB, Ann Arbor, MI

Tanya K. McClendon, CDOS, ROUB, Ann Arbor, MI

Elizabeth A. Parrish, COA, CDOS, ROUB, Petersburg, MI

Saturday, 10:20 am-11:10 am Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:2

**Description:** A comprehensive review of the ophthalmic A- and B-scan ultrasound, with emphasis on ocular trauma, will be presented. Sonographic features of common trauma conditions will be presented. Topics will include blunt trauma, cyclo-dialysis cleft, scleral rupture, intraocular foreign body and endophthalmitis.

### INTERMEDIATE

## NEW! Better One or Two? (01FR2)

Barbara T. Harris, MBA, COT, PA, OSC, Hudson, NC

Friday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will discuss basic principles of optics and their application in refinement. Proper use of the Jackson cross cylinder will be demonstrated with emphasis on maintaining spherical equivalent when performing refinement.

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# JCAHPO Course Descriptions

## NEW! Clinical Applications of Anterior Segment OCT (08SU6)

Sarah M. Armstrong, CRA, OCT-C, Chapel Hill, NC

Kenneth L. Cohen, MD, Chapel Hill, NC

Sunday, 1:50 pm-2:40 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Description:** Anterior segment OCT's longer wavelength of light allows deeper penetration of tissues, resulting in higher resolution of images. Course will highlight current manufacturers of AS-OCTs and will address hardware, imaging technique and data interpretation. Clinical applications will be discussed for the following: contact lens fitting, DSEK, cataract surgery, corneal thickness and more.

## Echographic and Angiographic Correlation of Choroidal Neoplasms (05SU5)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

Sunday, 12:40 pm-1:30 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Prerequisite:** Basic knowledge of ocular imaging.

**Description:** This course will discuss the angiographic and echographic characteristics of choroidal neoplasms using examples from the Ocular Oncology Clinic at the Rockyview Hospital. It will also explain how to use this information to direct angiographic and ultrasound exams appropriately. By understanding the characteristics of certain neoplasms and the correlation between the angiograph and the echogram, the technician can endeavor to provide better information to the ocular oncologist.

## NEW! Electrophysiology for Technicians:

### What is ERG and VER? (01FR4)

Xiaosong Zhu, COMT, Wynnewood, PA

Friday, 11:30 am-12:20 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Description:** This course will review the layers of retina and visual pathway, including an overview of the basic ERG and VER procedures. We will discuss why we need these tests and how to perform testing. Practical applications of electrophysiology will be reviewed through several case studies.

## OCT Angiography with Cirrus HD-OCT (08FR6)

Connie L. McKeehen, CCOA, Vancouver, WA

Friday, 1:50 pm-2:40 pm Credits: 1 A JCAHPO

**Description:** Course will discuss the new AngioPlex technology and examine applications of Cirrus OCT AngioPlex software. It will review how to perform AngioPlex scans and explain analysis options available with this new technology.

**Financial interest disclosed**

## Optical Coherence Tomography Angiography(OCTA) with the Optovue Avanti AngioVue OCT (08FR1)

Dennis Zukosky, COA, CRA, University City, MO

Friday, 8:00 am-8:50 am Credits: 1 A JCAHPO

**Description:** This introductory course will provide an overview of OCTA principles along with a description of the retinal anatomy as seen on Optovue Avanti OCT with AngioVue software. OCTA advantages, limitations and comparisons with fluorescein angiography will be discussed. OCTA is capable of imaging the retinal micro-vasculature at different levels. The course will include a review of retinal anatomy and a description of the corresponding software segmentation. OCTA's features and operation will be described including, scan selection and application, patient management and report options and how OCTA is best used in clinical practice.

**Financial Interest Disclosed**

## NEW! Refractometry Using High Tech Equipment (06FR1)

Susan K. Corwin, COMT, CO, Jacksonville, FL

Friday, 8:00 am-8:50 am Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This class highlights basic refractometry with an electronic phoropter, specifically the Marco RT 5100. The Topcon, Reichert, and ZEISS electronic phoropters will also be discussed.

**Financial interest disclosed**

## NEW! Swept Source Biometry (03SA5)

Robert D. Emerson, COA, Rancho Cucamonga, CA

Saturday, 12:40 pm-1:30 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will review basic swept source biometry technology. It will include review of operator technique, how to ensure a reliable measurements and how to troubleshoot common obstacles. IOL power calculation and formula capabilities will also be discussed.

**Financial interest disclosed**

## NEW! Update on Anterior Segment Imaging (02SA2)

Roshni Vasaiwala, MD, Maywood, IL

Saturday, 9:10 am-10:00 am Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Description:** This course will update the audience on the major advances in anterior segment imaging technology. This will include an overview on corneal topography, anterior segment optical coherence tomography, ultrasound biomicroscopy and confocal microscopy.

## ADVANCED

## Anterior Segment Pathology Imaged with UBM (08FR5)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

Friday, 12:40 pm-1:30 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:2

**Prerequisite:** Prior experience with ocular anatomy and UBM is recommended.

**Description:** This course will illustrate anterior segment pathology with the ultrasound biomicroscope. Basic ultrasound physics will be covered to help the attendees better understand the workings of the instrument. The anterior segment of the eye will be illustrated with examples using UBM images and videos.

## Clinical Correlation of Fluorescein Angiogram and OCT (03FR4)

Frank Lafranco, MD, Skokie, IL

Friday, 11:30 am-12:20 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Description:** The clinical correlation of Fluorescein Angiogram findings and OCT results in common retinal disorders will be discussed. Attendees will be able to understand and recognize common disorders of the retina and interpret Fluorescein results in retinal disease.

## NEW! Descriptive Interpretation of FA (02SA7)

Mark Maio, FOPS, Alpharetta, GA

Saturday, 3:00 pm-3:50 pm Credits: 1 A JCAHPO, AOC-NC

**Description:** This course will cover light and fluorescein angiography including descriptions of hypo and hyperfluorescence and angiogram phases. The top 10 most common retinal pathologies as images by fluorescein angiography will be discussed.

## Fundamentals of UBM Imaging:

### A Practical Approach for the Technician (08SA4)

Maria B. Ayres, MD, CDOS, ROUB, Ann Arbor, MI

Tanya K. McClendon, CDOS, ROUB, Ann Arbor, MI

Elizabeth A. Parrish, COA, CDOS, ROUB, Petersburg, MI

Saturday, 11:30 am-12:20 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:2

**Description:** This course will provide a comprehensive review of anterior segment imaging with UBM and its practical clinical uses for evaluation of pathologies of the anterior segment. The focus will be on documented case-based approach to help attendees become familiar with the procedures and interpretation of UBM exams.

## Intraocular Tumors Ultrasound Evaluation (08FR3)

Maria E. Bretana, CDOS, Katy, TX

Friday, 10:20 am-11:10 am Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** Intraocular tumor evaluation using B-scan and diagnostic A-scan. Overview of the sonographic characteristics of the most common intraocular tumors.

## NEW! OCT and FA: Layers of the Retina (10SU3)

Holly N. Cheshier, COT, Edina, MN

John B. Davies, MD, Edina, MN

Sunday, 10:20 am-11:10 am Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Description:** This course will review common pathologies that effect each layer of the retina. We will compare OCT and FA results and describe how they are used together in determining diagnoses.



# JCAHPO Course Descriptions

## 16. Visual Fields

### BASIC

#### Visual Pathway and the Visual Field (07SU7)

Carol J. Pollack-Rundle, BS, COMT, OSC, Saline, MI

Sunday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-C

**Description:** This course will teach the anatomy of the visual pathway from the optic nerve to the occipital cortex. The structural anatomy will then be correlated to visual function (visual field). Examples of visual field defects in clinical settings will be discussed.

#### Visual Field Testing (07FR7)

Suzanne J. Hansen, MED, COMT, OSC, Frisco, TX

Friday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Bad Visual Field, Bad Visual Field, Whatcha Going To Do When It Happens To You? Understanding visual field testing is essential in the eye clinic. This course will review various common pitfalls to avoid for more reliable results for your physician. Methods of visual field testing, key terminology and common defects seen in visual field testing will also be reviewed. The course will focus on key components to ensure the visual field is ready for the physician to review.

## 17. Instruments and Specialized Tests

### BASIC

#### Introduction to Basic Retinoscopy (EY)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

ONLINE COURSE

Credits: 1 A JCAHPO, AOC-C, OPS 1:1

**Prerequisite:** This introductory course is being offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org) as a prerequisite to "Retinoscopy—Basic." It will NOT be offered on-site. To access this course, visit [www.eyecarece.org](http://www.eyecarece.org). Click on the "My Courses" tab, and sign in to view the course. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This lecture is designed as an introduction to clinical retinoscopy for ophthalmic medical personnel with minimal training in optics and refractometry. A videotape using actual video recordings and demonstrating neutralization techniques will be shown and discussed. Although this course is a required prerequisite to a retinoscopy hands-on-session, it will also be helpful to participants who are unable to attend a hands-on session.

#### Introduction to Corneal Topography (EY)

Aaron V. Shukla, PhD, COMT, Saint Paul, MN

ONLINE COURSE

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:2

**Prerequisite:** This introductory course is being offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org) as a prerequisite to "Pentacam Topography." It will NOT be offered on-site. To access this course, visit [www.eyecarece.org](http://www.eyecarece.org). Click on the "My Courses" tab, and sign in to view the course. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This course will describe the measurement of corneal topography. A review of the types of technologies that are available will be given as a prelude to the hands-on session. The advantages, disadvantages and unique capabilities of each will be discussed. In addition, the various types of displays will be explained from a practical perspective, including how to interpret curvature, power and elevation maps, as well as the relationship among them. Clinical examples will be presented, highlighting the value of this information for diagnostic and therapeutic applications, as well as the limitations. Although this course is a required prerequisite to a corneal topography hands-on session, it will also be helpful to participants who are unable to attend a hands-on session.

#### Introduction to Keratometry (EY)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

ONLINE COURSE

Credits: 1 A JCAHPO, AOC-NC

**Prerequisite:** This introductory course is being offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org) as a prerequisite to "Keratometry." It will NOT be offered on-site. To access this course, visit [www.eyecarece.org](http://www.eyecarece.org). Click on the "My Courses" tab, and sign in to view the course. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** Keratometry is a widely accepted technique for measuring the anterior corneal curvature. Keratometry is essential in evaluating the anterior segment. It is especially important when fitting both soft and rigid contact lenses, calculating intraocular lens powers and for evaluation of the cornea, particularly before and after corneal surgery. Accuracy when taking "K" readings is of utmost importance for proper patient care. This course will outline the value, use, procedure and interpretation of keratometry. Although this course is a required prerequisite to a keratometry hands-on session, it will also be helpful to participants who are unable to attend a hands-on session.

#### Introduction to Practical Refractometry—Minus Cylinder (EY)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

ONLINE COURSE

Credits: 1 A JCAHPO, AOC-C

**Prerequisite:** This introductory course is being offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org) as a prerequisite to "Refractometry—Minus Cylinder." It will NOT be offered on-site. To access this course, visit [www.eyecarece.org](http://www.eyecarece.org). Click on the "My Courses" tab, and sign in to view the course. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This course will detail the process of refractometry in plus and minus cylinder using a modified fogging technique. A simple systematic approach will be emphasized. Although this course is a required prerequisite to a refractometry hands-on session, it will also be helpful to participants who are unable to attend a hands-on session.

#### Introduction to Practical Refractometry—Plus Cylinder (EY)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

ONLINE COURSE

Credits: 1 A JCAHPO, AOC-C

**Prerequisite:** This introductory course is being offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org) as a prerequisite to "Refractometry—Plus Cylinder." It will NOT be offered on-site. To access this course, visit [www.eyecarece.org](http://www.eyecarece.org). Click on the "My Courses" tab, and sign in to view the course. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This course will detail the process of refractometry in plus and minus cylinder using a modified fogging technique. A simple systematic approach will be emphasized. Although this course is a required prerequisite to a refractometry hands-on session, it will also be helpful to participants who are unable to attend a hands-on session.

#### Introduction to the Use of the Slit Lamp Microscope (EY)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

ONLINE COURSE

Credits: 1 A JCAHPO, AOC-NC

**Prerequisite:** This introductory course is being offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org) as a prerequisite to "Slit Lamp Microscopy." It will NOT be offered on-site. To access this course, visit [www.eyecarece.org](http://www.eyecarece.org). Click on the "My Courses" tab, and sign in to view the course. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This course will serve as an introduction to the use of a slit lamp. The main components of the slit lamp will be discussed and the various types of illumination will be reviewed. Although this course is a required prerequisite to a slit lamp hands-on session, it will also be helpful to participants who are unable to attend a hands-on session.

# JCAHPO Course Descriptions

## Introduction to Tonometry (EY)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

### ONLINE COURSE

Credits: 1 A JCAHPO, AOC-NC

**Prerequisite:** This introductory course is being offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org) as a prerequisite to "Tonometry." It will NOT be offered on-site. To access this course, visit [www.eyecarece.org](http://www.eyecarece.org). Click on the "My Courses" tab, and sign in to view the course. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This introductory course will explain the basic concepts behind tonometry and the different methods of measuring intraocular pressure with special attention to the Goldmann applanation tonometry technique. The course will also include discussion on the importance of central corneal thickness and of sources of error in tonometry. Although this course is a required prerequisite to a tonometry hands-on session, it will also be helpful to participants who are unable to attend a hands-on session.

## INTERMEDIATE

## Learning Systems: Retinoscopy and Refinement (EY)

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON

### ONLINE COURSE

Credits: 1 A JCAHPO, AOC-C

**Prerequisite:** This introductory course is being offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org) as a prerequisite to "Retinoscopy—Intermediate." It will NOT be offered on-site. To access this course, visit [www.eyecarece.org](http://www.eyecarece.org). Click on the "My Courses" tab, and sign in to view the course. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** Retinoscopy measures an eye's refractive error by using a retinoscope. In this course, you will learn how the retinoscope operates. This course will describe ametropia, emmetropia, myopia, hyperopia, astigmatism and presbyopia. You will learn to differentiate between "with" and "against" motion and "neutral" behavior of the reflex. The definition of the refinement of the sphere, cylinder axis and cylinder power will be discussed.

## Slit Lamp Biomicrography (05FR4)

James P. Gilman, CRA, FOPS, South Jordan, UT

Friday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Description:** Course is designed to instruct technicians on how to use a slit lamp as well as how to take images with a photo slit lamp. The course will outline how to adjust the slit lamp lighting and magnifications to best illustrate a variety of anterior segment diseases.

**Financial interest disclosed**

## 18. Contact Lenses/Spectacles/Optical Dispensing

## INTERMEDIATE

## Soft Contact Lens Skills Transfer Lab (11FR56)

Peter C. Donshik, MD, W Hartford, CT

William H. Ehlers, MD, Avon, CT

Wendy M. Ford, COMT, FCLSA, Springfield, VA

Melvin I. Freeman, MD, FACS, Bellevue, WA

Peter R. Kastl, MD, PhD, New Orleans, LA

Friday, 12:40 pm-1:30 pm

Credits: 2 A JCAHPO, AOC-NC

**Prerequisite:** None.

**Description:** This is an introductory course for AOP that want to add soft contact lens fitting to their current skills. The course will utilize a PowerPoint® presentation, videos and computer interactions to teach and demonstrate principals of soft contact lens fitting. The attendee will utilize computer simulation and hands-on schematic eyes with contact lenses to select the appropriate initial contact lenses and evaluate the fit.

## NEW! Specialty Contact Lenses in Ophthalmology (04FR5)

Buddy M. Russell, COMT, FCLSA, FSLs, LDO, Loganville, GA

Friday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-NC

**Description:** Patients often seek the ophthalmologist to solve any and all eye problems. This course will present the various conditions that require a medically indicated contact lens for visual rehabilitation. In addition, fitting techniques and evaluations for each entity will be explored.

## What?! I Have an RX Check? (06FR6)

Sergina M. Flaherty, COMT, OSC, San Antonio, TX

Friday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will provide participants with many tips and techniques to troubleshoot returning patients with dissatisfaction with their new glasses or prescription. Various scenarios and solutions will be presented.

**Financial interest disclosed**

## 19. Visual Assessment and Therapy

## BASIC

## What They See Is What YOU Should Get! Tips on Measuring Visual Acuity (07SU4)

Pamela D. Lichtenstein, COMT, OSA, Peoria, IL

Sunday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-C

**Description:** Measuring acuity is usually thought of as "just reading the eye chart," that is an understatement. The participants in this course will be offered information and shown methods that will aid them in obtaining the most accurate visual acuity measurement. Examination techniques for patients with low vision, nystagmus and amblyopia will be reviewed, as well as discussion on dealing with pediatric and preliterate patients.

## INTERMEDIATE

## Pupils: What is Normal and What is Not (04FR3)

Sharon C. Alamalhodaie, COMT, OSC, Palm Coast, FL

Friday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Assessing pupillary function is one of the most important skills every tech must develop. This course will teach proper pupillary assessment techniques and how to identify both normal pupils and abnormalities. It will explain the anatomy and physiology of the afferent and efferent neural pathways as they apply to pupillary function and the associated signs of pupillary abnormalities. A demonstration and video will be shown.

**Financial interest disclosed**

## 20. Low Vision/Treatment

## BASIC

## Identifying and Assisting the Patient with Low Vision (08SU7)

John D. Shepherd, MD, Omaha, NE

Sunday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** With the aging of the population, the number of low vision patients is on the rise. Many patients remain unaware of the range of low vision services available to them, and many eye care practitioners struggle with how to provide the time-intensive services that these patients require to truly meet their needs. This presentation will assist ophthalmic medical personnel in identifying the patient likely to benefit from low vision rehabilitation services. It will highlight practical ways for any office to provide basic services for low vision patients, but stressing the advantages of utilizing a multi-disciplinary low vision practice for providing comprehensive services.

# JCAHPO Course Descriptions

## Use of Smartphones and Tablet Computers in Low Vision Rehabilitation (08FR4)

Gregg C. Pusateri, OD, Wheaton, IL

Walter M. Jay, MD, Maywood, IL

Friday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will be co-taught by a neuro-ophthalmologist and optometrist, both with expertise in low vision. The optometrist personally has low vision and has extensively used both smartphones and tablet computers to improve his own quality of life. The course will demonstrate the various low vision accessibility features that are built into smartphones and tablet computers.

## INTERMEDIATE

### Low Vision Clinic: Stepping up Your Game (07FR2)

Thomas Porter, OD, FAO, St. Louis, MO

Friday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** Course will demonstrate how to take your low vision service to the next level. Topics covered will include: how to streamline the examination without sacrificing the quality of care, developing a reasonable treatment plan based on clinical information; presenting your treatment plan in an understandable manner, clinical and dispensing tips and tricks, and a review of the economics of providing a low vision service.

### NEW! There is Something You Can Do (05FR2)

Joseph Fontenot, MD, Mobile, AL

Friday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This interactive lecture emphasizes the referral of the visually impaired patient to vision rehabilitation services is now the standard of care in ophthalmology. A video presentation "There Is Something You Can Do", produced by the American Academy of Ophthalmology, explains the impact of impaired vision, the ability of vision rehabilitation to reduce that impact, and to improve the function and independence of those with impaired vision.

## 21. Masters Courses

### MASTERS LEVEL

### NEW! Challenging Neuro-Ophthalmic Cases of the Rare and Unusual Kind (05FR3)

Thomas B. Ableman, MD, Washington, DC

Friday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will present unusual and intriguing neuro-ophthalmic cases. These challenging cases will present a mix of history and epidemiology to uncover the diagnosis. Audience participation will be encouraged in identifying these uncommon diagnoses.

### NEW! Congenital Glaucoma Genetics (01SU2)

Terri Young, MD, Madison, WI

Sunday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** Primary congenital glaucoma (PCG) is an important cause of vision loss in children. PCG is a life-long condition, as current medical and surgical therapies to lower intraocular pressure (IOP) in these children are often inadequate with a high risk of failure and adverse outcomes. There is a critical need to develop effective treatment strategies that specifically address the underlying pathophysiology in children affected by PCG. Basic research in the pathogenesis and treatment of PCG has been hampered by incomplete knowledge of the biology surrounding the development of the anterior chamber angle with its complex structures and mechanistic drainage process. New implicated genes that cause PCG have shown that in addition to trabecular meshwork dysfunction, the Schlemm's canal with its development are central to some forms of PCG, juvenile onset (teenage years) glaucoma and delayed adult-onset glaucoma.

### NEW! Facial Paralysis and Facial Dystonias (02FR3)

Vladimir S. Yakopson, MD, FACS, Fort Belvoir, TX

Friday, 10:20 am-11:10 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will discuss the pathologic basis, clinical presentation and treatment of facial paralysis (such as Bell's Palsy) and facial dystonias (blepharospasm and hemifacial spasm). Use of botulinum toxin and various surgical techniques will be presented.

### NEW! Glaucoma Grand Rounds (06FR7)

Sarwat Salim, MD, FACS, Milwaukee, WI

Friday, 3:00 pm-3:50 pm

Credits: 1A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Description:** Challenging glaucoma cases will be presented in an interactive format. Cases will be presented for audience participation in the ultimate diagnosis.

### Grand Rounds Case Presentation: Neuro-Ophthalmology (01FR5)

Karl C. Golnik, MD, MEd, Blue Ash, OH

Friday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-C

**Description:** This case-based presentation will cover a variety of neuro-ophthalmic conditions including Horner syndrome, ischemic optic neuropathy, myasthenia gravis and idiopathic intracranial hypertension. The cases will be presented as unknowns and the audience will be encouraged to participate in the ultimate diagnoses.

### Grand Rounds Case Presentation: Oculoplastics (06SA2)

Altug Cetinkaya, MD, Ankara, Turkey

Rosa Balcels, MD, Vitacura, Santiago Chile

Saturday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-NC

**Prerequisite:** Experience or interest in oculoplastic surgery.

**Description:** This course will present a number of eyelid cancers in an effort to acquaint the student with those eyelid neoplasms that threaten life or sight.

### Grand Rounds Case Presentation: Optics and Difficult Refractions (03SA6)

William H. Ehlers, MD, Avon, CT

Saturday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Prerequisite:** Knowledge of ophthalmic terminology and optics.

**Description:** This course is a grand rounds format with case presentations of past optical problems the ophthalmic technician may encounter in daily practice.

### Grand Rounds: Case Studies in Ophthalmic Ultrasound (05SU4)

Brandy H. Lorek, BS, ROUB, CDOS, Painesville, OH

Sunday, 11:30 am-12:20 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Description:** Interactive case studies focusing on ophthalmic ultrasound will be presented in a grand rounds format. Standardized echography and ultrasound biomicroscopy (UBM) will be demonstrated as effective diagnostic tools in the clinical practice. Clinical findings and other imaging modalities including fundus photography, angiography and OCT will be correlated with ultrasound findings. Audience participation is highly encouraged and expected.

### My Vision Goes In and Out: So What Does That Mean? (05SU2)

Jade S. Schiffman, MD, Houston, TX

Sunday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Prerequisite:** Knowledge of ocular anatomy and ophthalmic terminology.

**Description:** Transient Vision Loss (TVL) is a common eye complaint. Technical staff need to know how to extract valuable historical information (duration of event, complaint, etc.), and what the complaint means, as well as differential diagnosis of entities, including migraine.

**Financial interest disclosed**

# JCAHPO Course Descriptions

## Mystery Retina 2017: Interactive Discussion of Challenging Cases (01SA3)

William F. Mieler, MD, Chicago, IL

Saturday, 10:20 am-11:10 am Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Prerequisite:** Knowledge of ophthalmic anatomy and physiology.

**Description:** This course will discuss a number of diagnostically challenging "mystery retina" cases. The majority of the presentations will include interpretation of fluorescein angiography and OCT test results. When indicated, other studies will be shown, including indocyanine green angiography, echography, autofluorescence, electrophysiologic studies, CT and/or MRI, and occasionally cytology and histopathology. The cases will be presented as unknown and audience participation will be encouraged. At the completion of the case presentations, the attendees will receive a handout summarizing the cases, complete with pertinent references.

**Financial interest disclosed**

## Neuro-Ophthalmic Emergencies You Do Not Want to Miss (02SU5)

M. T. Bhatti, MD, Durham, NC

Sunday, 12:40 pm-1:30 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1

**Prerequisite:** Basic knowledge of ocular anatomy and neurological disorders.

**Description:** This course will discuss four neuro-ophthalmic emergency cases that have extreme visual and life threatening implications.

**Financial interest disclosed**

## Optic Neuropathy: As Easy as 1-2-3-4 (02SU6)

M. T. Bhatti, MD, Durham, NC

Sunday, 1:50 pm-2:40 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:1

**Description:** Attendees will be provided with a systematic approach to the evaluation of a patient with a suspected underlying optic neuropathy. The lecture will be divided into three sections: the first section will review the optic nerve anatomy; the second part will describe the various clinical tests used in the evaluation of a patient suspected with an underlying optic neuropathy; and the third and last section will present a variety of clinical examples of optic neuropathies.

## NEW! Presbyopia Update: Clinical Trials and New Technologies (08SU4)

Y. Ralph Chu, MD

Sunday, 11:30 am-12:20 pm Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will describe the latest technologies for correcting presbyopia focusing on corneal inlays and IOLs. Techniques still in clinical trial will also be discussed including scleral implants and pharmacological therapies.

## Retina Clinical Trial Update 2017 (01SA4)

William F. Mieler, MD, Chicago, IL

Saturday, 11:30 am-12:20 pm Credits: 1 A JCAHPO, AOC-C, CEP: CABRN-1, OPS 1:2

**Description:** This course will present the results of new clinical trials in the treatment of age-related macular degeneration (AMD), diabetic macular edema (DME), retinal venous occlusive (RVO) disease and diseases affecting the vitreomacular interface. Complications of treatment will be thoroughly reviewed. The results will be compared to pre-existing treatment modalities, and a discussion will ensue regarding how the results of the new trials fit into our current treatment patterns.

**Financial interest disclosed**

## 22. Sub-Specialty Sessions

### BASIC

### Scribing Sub-Specialty Session: The Physician's Partner in Delivering Efficient Patient Care (09SA56)

Martha C. Tello, COMT, OSC, Plantation, FL

Stephanie McMillan, COT, Plantation, FL

Michelle Willis, COMT, OSA, Nashville, TN

Kirk Mack, COMT, CPC, COE, CPMA

Saturday, 12:40 pm-2:40 pm Credits: 2 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This session will jump-start your scribing career the "write way!" The course will give an overview of the best practices and the importance of scribes in clinic practice. Learn about the role of a scribe, how to scribe—documentation, coding. Experts will bring you the "Top Ten Errors and Tips & Techniques"—how to prevent and correct errors; and improving the quality of EHR documentation. Attendees will see a demonstration firsthand on a clinic's EMR training environment to demonstrate the correct way of documenting physician actions during the exam.

**Financial interest disclosed**

### INTERMEDIATE

### NEW! Clinical Trials Sub-Specialty Session: Coordinating, Imaging and Standardized Testing for Collecting Data (09FR567)

Diana M. Hatsis, RN, BSN, COT, Boynton Beach, FL

Anne Goulding, BA, Madison, WI

Amy V. Jost, BS, COMT, CCRC, OSC, Cincinnati, OH

Mark Maio, FOPS, Alpharetta, GA

Friday, 12:40 pm-3:50 pm Credits: 3 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Description:** This session will provide the attendees with a comprehensive overview of managing, staffing and processes of clinical trials. Three essential branches of clinical trials will be covered. The first branch of the 3-part session is designed to assist the ophthalmic health professional in managing and coordinating clinical trials including IRB and regulatory documentation, informed consent processes, staff certifications, and auditing requirements. The second branch will address conducting standardized ophthalmic imaging, visual field and visual acuity testing specific to clinical trials, as well as exporting and submitting images compatible with the reading center for evaluation. The third branch will highlight the data collected to comply with FDA requirements around clinical trials. Standardized and diagnostic testing with emphasis on calibration of testing equipment, appropriate staff training and consistency in exam procedures to ensure quality data will be reviewed for collecting research data and outcome studies.

### Glaucoma Sub-Specialty Session: Recent and Upcoming Advancements in Glaucoma (09SU34)

Eydie Miller-Ellis, MD, Philadelphia, PA

Victoria Addis, MD, Philadelphia, PA

Qi Cui, MD, Philadelphia, PA

Omolola Idowu, MD, Jackson, MS

Won I. Kim, MD, LTC MC USA, Washington, DC

Sunday, 10:20 am-12:20 pm Credits: 2 A JCAHPO, CEP: CABRN-1

**Prerequisite:** A minimum of one year experience in a glaucoma practice.

**Description:** This course will provide an update on current concepts, technologies, treatments and practice in glaucoma. The course will focus on new and emerging therapeutic procedures and medication delivery systems, glaucoma and pregnancy, laser iridotomy, neovascular glaucoma and other current treatments. The audience will be introduced to the many glaucoma surgical options currently available and through a case based approach, the nuances of each surgical option will be elucidated and the decision making process for selecting a surgery will be explored. Audience participation will be encouraged.



# JCAHPO Course Descriptions

## Practice Management Sub-Specialty Session (09SA34)

Michelle Willis, COMT, OSA, Nashville, TN  
Christine McDonald, COA, COE, ROUB, OSC, St. Louis, MO  
Andrew Livingston, MBS, MSgt, COA, Tampa, FL  
Laurie K. Brown, MBA, COMT, COA, OCS, OSA, OSC, CPSS, Marana, AZ  
Cynthia Diogo, COT, OSA, OSC, Mifflinburg, PA  
Saturday, 10:20 am-12:20 pm Credits: 1 A JCAHPO

**Prerequisite:** A minimum of two years in the ophthalmic practice.  
**Description:** This session will focus on practice management trends for a high functioning practice to increase practice productivity and profitability. The session will address balancing clinical efficiency with quality care using best practices. Topics include: 1) key strategies to recruit, hire and train staff; 2) implementing project management practices for directing and controlling a project from start to finish with a focus on managing the application of knowledge, skills, tools, and techniques; 3) tips for developing an efficient patient schedule—schedules are essential components to patient satisfaction as well as maximizing physician and staff productivity, including the methodology to analyze and design the clinic schedule to meet these objectives; 4) keeping current on top practice management issues of compliance plans to meaningful use and more. Lessons learned, cases and examples will be shared, as well as the presenters will participate in a question and answer session.

## Retina Sub-Specialty Session (09SU56)

Michael W. Stewart, MD, Jacksonville, FL  
Abdhis R. Bhavsar, MD, Minneapolis, MN  
Seenu Hariprasad, MD, Chicago, IL  
Kelly Mitchell, MD, Lubbock, TX  
Sunday, 12:40 pm-2:40 pm Credits: 2 A JCAHPO, CEP: CABRN-1

**Prerequisite:** A minimum of one year experience in a retina practice.  
**Description:** This course will provide an update on current concepts, technologies, treatments and practice in the retina sub-specialty. The course will focus on new therapeutics, treatments and surgical procedures. Key retina topics will be covered such as macular degeneration, diabetic retinopathy, vein occlusions, and the latest in retinal surgery procedures. New and emerging imaging technologies will be highlighted, such as Swept Source Optical Coherence Tomography, angiography, ultra-wide field imaging and autofluorescence.

## 23. Boot Camps/Workshops

### BOOT CAMPS

#### NEW! Anterior Segment Boot Camp (Advanced)\*

Matthew L. Parker, PhD, LSSMBB, COMT, CST, OSC, Atlanta, GA  
Nickole R. Delaney, COA, OSC, Galena, OH  
Sergina M. Flaherty, COMT, OSC, San Antonio, TX  
Blake D. Lightsey, COT, Perry, FL  
Sunday, 11:30 am-1:30 pm  
Sunday, 1:50 pm-3:50 pm Credits: 2 A JCAHPO, AOC-NC, CEP: CABRN-1  
**Description:** This hands-on session is recommended for participants who have experience in tonometry, slit lamp examination and direct ophthalmoscopy. Participants will receive hands-on training in applanation tonometry, slit lamp techniques for evaluating the anterior segment and utilizing and recognizing the beneficial use of the direct ophthalmoscope. The goals of the three skills are to build the relationship among techniques, sharpen technical focus and improve testing outcomes.

#### NEW! Neuro-Tech Boot Camp (Intermediate)\*

Aaron V. Shukla, PhD, COMT, Saint Paul, MN  
Homise W. Johnson, COMT, Rochester, NY  
Amy V. Jost, BS, COMT, CCRC, OSC, Cincinnati, OH  
Jacqueline K. Pullos, COMT, OSC, Salt Lake City, UT  
Sunday, 11:30 am-1:30 pm  
Sunday, 1:50 pm-3:50 pm Credits: 2 A JCAHPO, AOC-C, CEP: CABRN-1  
**Description:** In these sessions, you will receive hands-on training in APD screening, confrontational visual field testing and ocular motility muscle evaluation. The goals of the three skills are to build the relationship among techniques, sharpen technical focus, and improve testing outcomes.

#### NEW! Optical Biometry and IOL Calculations Boot Camp (Advanced)\*

Matthew L. Parker, PhD, LSSMBB, COMT, CST, OSC, Atlanta, GA  
Marc D. Lafontaine, BSc, COMT, CR, Ottawa, ON  
Blake D. Lightsey, COT, Perry, FL  
Christine M. McDonald, COA, COE, ROUB, OSC, Fenton, MO  
Saturday, 11:30 am-1:30 pm  
Saturday, 1:50 pm-3:50 pm Credits: 2 A JCAHPO, AOC-NC, CEP: CABRN-1  
**Description:** This hands-on session is recommended for participants who have experience in refraction, keratometry and optical biometry. Participants will receive hands-on training in retinoscopy refinement, measure corneal curvature by manual keratometry, and capture and interpret optical biometry. The goals of the three skills are to build the relationship among techniques, sharpen technical focus and improve testing outcomes.

### BASIC

#### Anatomy and Dissection of the Eye Workshop\*

Frank W. Scribbick, MD, Fort Sam Houston, TX  
Heather L. Bishop, COT, OSC, Volant, PA  
Cynthia J. Cline, COMT, CO, Shawnee, KS  
Tracy L. Cruz, COA, CSA, OCS, OSA, Alexandria, KY  
Harveyzon R. Delapena, COT, Pacoima, CA  
Kenneth E. Dickerson, COMT, OSA, Sanger, TX  
Joel Gonzalez, COA, Wichita, KS  
Giselle P. Grimshaw, COMT, Durham, NC  
Mostafa R. Kasem, MD, Suez, Egypt  
Marlee M. Kinsey, COA, Norman Park, GA  
Eva Kroneker, CCOA, Encinitas, CA  
Paulette C. Plaza-Giocondo, COMT, Syracuse, NY  
Kathleen L. Rodgers, COT, OSC, Matthews, NC  
Sarah R. Saile, COT, Tampa, FL  
Brandy H. Sperry, COMT, OSC, Taylors, SC  
Sunday, 8:00am-8:50am  
Sunday, 9:10 am-10:00 am  
Sunday, 10:20 am-11:10 am  
Sunday, 11:30 am-12:20 pm Credits: 1 A JCAHPO, AOC-C  
**Prerequisite:** None.  
**Description:** The instructor will perform a dissection of a pig or sheep eyeball and will discuss the anatomy and physiology of the external anatomy, cornea, iris, ciliary body, zonular apparatus, crystalline lens, vitreous body, retina, choroids and sclera. Following the demonstration, participants will have an opportunity to dissect a pig's eyeball.

#### Comprehensive Lensometry Lecture and Workshop\*

Homise W. Johnson, COMT, Rochester, NY  
Harveyzon R. Delapena, COT, Pacoima, CA  
Sarah R. Gill, COT, St. Louis, MO  
Mostafa R. Kasem, MD, Suez, Egypt  
Keli B. O'Connor, COA, OSC, Wilmington, DE  
Anne Marie Phelps, COT, Victor, NY  
Saturday, 9:10 am-11:10 am  
Sunday, 8:00 am-10:00 am Credits: 2 A JCAHPO, AOC-C  
**Prerequisite:** None.  
**Description:** This course will be a comprehensive lecture plus hands-on workshop on the use of manual and automated lensometers. Tips will be given to help the technician as well as step-by-step tools in the skill process.

\* For course code, refer to Day-At-A-Glance

# JCAHPO Course Descriptions

## Introduction to the IOL Master (Optical Coherence Biometry) Workshop (16SA45W)

Joy L. Banks, COMT, Little Rock, AR

Theresa C. Enriquez, COT, Palo Alto, CA

Norberto G. Hernandez, COA, OSC, Longview, TX

Kimberly A. Orona, COT, OSA, Springerville, AZ

Sarah R. Saile, COT, Tampa, FL

Saturday, 11:30 am-1:30 pm Credits: 2 A JCAHPO

**Prerequisite:** Knowledge of basic office procedures and understanding of steps needed for IOL calculation.

**Description:** This course will be an introduction to optical coherence biometry and its use in calculating IOLs. It will cover the operation of the IOL Master for measuring axial lengths, Ks and ACD, and database management of the instrument. There will be time for hands-on experience with the instrument. ZEISS equipment will be used.

**Financial interest disclosed**

## Keratometry Workshop\*

Stephen L. Carow, COMT, OCS, Lacey, WA

Sean J. Daly, COMT, NCLE-AC, Opelousas, LA

Joanne L. Yawn, COT, San Antonio, TX

Sahra J. Bartolazzi, COT, Peoria, IL

Garren P. Burton, COA, OSC, Austin, TX

Laura C. Cole, COT, OSC, Houston, TX

Rachel N. Crabtree, COA, Union, KY

Theresa C. Enriquez, COT, Palo Alto, CA

Sarah R. Gill, COT, St. Louis, MO

Chelsey N. Hill, COA, Lawton, OK

Mostafa R. Kasem, MD, Suez, Egypt

Christine M. McDonald, COA, COE, ROUB, OSC, Fenton, MO

Dana R. McMahan, COA, Cincinnati, OH

Kimberly A. Orona, COT, OSA, Springerville, AZ

Brandy H. Sperry, COMT, OSC, Taylors, SC

Randi J. Strohl, COT, Vernon Hills, IL

Kimberly A. Thoe, COA, Elgin, OK

Elena Utkina, COT, Rockledge, FL

Sunday, 11:30 am-12:20 pm

Sunday, 12:40 pm-1:30 pm

Sunday, 1:50 pm-2:40 pm

Sunday, 3:00 pm-3:50 pm Credits: 1 A JCAHPO, AOC-NC

**Prerequisite:** The lecture, "Introduction to Keratometry," is required and is offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). Upon registering for this workshop, you will need to register for the introductory, online course. After registering for this course, visit [www.eyecarece.org](http://www.eyecarece.org) to access the course. Click on the "My Courses" tab, and sign in. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This hands-on session is recommended for participants who have had less than one year of experience working with the manual and/or automated keratometer. This basic introductory hands-on session provides practical experience in the use of the manual and the automated keratometer. Keratometers will be provided. Also, attendees may be asked to volunteer to act as patients and should come prepared to remove contact lenses.

**Important:** Participants must furnish their own penlight.

## NEW! Lenstar Optical Biometry Workshop\*

Cara D. Fletcher, COA, Loveland, OH

Kirsten L. Stumpo, COA, Marion, OH

Saturday, 9:10 am-10:10 am

Sunday, 8:00 am-10:00 am

Credits: 2 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This course will teach the participant how to use, and the functionality of the Lenstar Optical Biometer.

**Financial interest disclosed**

## Ocular Motility—Identifying and Measuring Deviations Workshop (17FR34W)

Aaron V. Shukla, PhD, COMT, Saint Paul, MN

Friday, 10:20 am-12:20 pm

Credits: 2 A JCAHPO, AOC-C

**Prerequisite:** None.

**Description:** Demonstrations will be followed by hands-on practice with ongoing reviews and feedback. The following principles will be presented: 1) the difference between phoria and tropia, and how to detect them using appropriate cover tests at distance and near (cover-uncover test, alternate cover test, prism and alternate cover test and simultaneous prism and cover test); 2) how to use the corneal light reflexes to estimate (Hirschberg method) or measure (Krimsky method) deviations at distance and near; 3) how to classify deviations for distance and near; and 4) how to properly notate results of various tests.

## Refractometry Workshop—Minus Cylinder (12SU56W)

Kathleen L. Rodgers, COT, OSC, Matthews, NC

Garren P. Burton, COA, OSC, Austin, TX

Kenneth E. Dickerson, COMT, OSA, Sanger, TX

Marlee M. Kinsey, COA, Norman Park, GA

Sarah R. Saile, COT, Tampa, FL

Sunday, 12:40 pm-2:40 pm

Credits: 2 A JCAHPO, AOC-C

**Prerequisite:** The lecture, "Introduction to Practical Refractometry—Minus Cylinder," is required and is offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). Upon registering for this workshop, you will need to register for the introductory, online course. After registering for this course, visit [www.eyecarece.org](http://www.eyecarece.org) to access the course. Click on the "My Courses" tab, and sign in. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** Attendees should have a basic understanding of optics in spheres, axis and power of cylinders, as well as a basic understanding of myopia, hyperopia, astigmatism and accommodation. Familiarity with the process of refining a retinoscope reading is also helpful. This hands-on session will demonstrate and teach subjective refractometry through a modified fogging technique, using the refractor. Information on recording results will be presented. The following will be covered: 1) introduction to the mechanics of the refractor; 2) instruction in the use of the cross cylinder; 3) instruction in subjective refractometry using a modified fogging technique; and 4) instruction in recording the results. Important: Attendees who have a current prescription for glasses are asked to bring them to the session. In addition, attendees may be asked to volunteer as patients and should come prepared to remove contact lenses.

\* For course code, refer to Day-At-A-Glance

# JCAHPO Course Descriptions

## Refractometry Workshop—Plus Cylinder\*

Sze-Man Cheng, COMT, Markham, Ontario Canada

Kimberly A. Orona, COT, OSA, Springerville, AZ

Tami R. Dolan, COA, OSC, Florence, AL

Norberto G. Hernandez, COA, OSC, Longview, TX

Michele L. McCormick, COA, Greenville, SC

Kelly R. Moehrle, COT, OSC, Rochester, PA

Sarah R. Saile, COT, Tampa, FL

Linda K. Strand, COT, Dallas, TX

Brandi B. Woodman, COA, OSC, Prairieville, LA

Sunday, 8:00 am-10:00 am

Sunday, 10:20 am-12:20 am

Credits: 2 A JCAHPO

**Prerequisite:** The lecture, "Introduction to Practical Refractometry—Plus Cylinder," is required and is offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). Upon registering for this workshop, you will need to register for the introductory, online course. After registering for this course, visit [www.eyecarece.org](http://www.eyecarece.org) to access the course. Click on the "My Courses" tab, and sign in. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** Attendees should have a basic understanding of optics in spheres, axis and power of cylinders, as well as a basic understanding of myopia, hyperopia, astigmatism and accommodation. Familiarity with the process of refining a retinoscope reading is also helpful. This hands-on session will demonstrate and teach subjective refractometry through a modified fogging technique, using the refractor. Information on recording results will be presented. The following will be covered: 1) introduction to the mechanics of the refractor; 2) instruction in the use of the cross cylinder; 3) instruction in subjective refractometry using a modified fogging technique; and 4) instruction in recording the results. Important: Attendees who have a current prescription for glasses are asked to bring them to the session. In addition, attendees may be asked to volunteer as patients and should come prepared to remove contact lenses.

## Retinoscopy Workshop—Basic\*

Sean J. Daly, COMT, NCLC-AC, Opelousas, LA

David J. Norath, COT, St. Louis, MO

Stephen L. Carow, COMT, OCS, Lacey, WA

Sze-Man Cheng, COMT, Markham, Ontario

Debra B. Clarke, COT, OSC, Dickinson, TX

Laura C. Cole, COT, OSC, Houston, TX

Pooja Doshi, COA, OSC, Arlington, VA

Shelly L. Hutton, COT, Edmonds, WA

Syed Parvez, COT, San Antonio, TX

Deborah K. Smith, COMT, Durham, NC

Brandi B. Woodman, COA, OSC, Prairieville, LA

Friday, 11:30 am-1:30 pm

Friday, 1:50 pm-3:50 pm

Credits: 2 A JCAHPO, AOC-NC

**Prerequisite:** The lecture, "Introduction to Basic Retinoscopy," is required and is offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). Upon registering for this workshop, you will need to register for the introductory, online course. After registering for this course, visit [www.eyecarece.org](http://www.eyecarece.org) to access the course. Click on the "My Courses" tab, and sign in. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This hands-on session will demonstrate and teach the technique of estimating the refractive error of the human eye using the streak retinoscope, loose lenses (spheres only), and schematic eyes. Instruction on recording results will be included. The following steps will be covered: 1) Introduction to the mechanics and optics of the streak retinoscope, including operating the switch, inserting and removing the bulb and holding the retinoscope; 2) Demonstration of how the linear filament and mirror create the streak, and how the positions of the sleeve affect the behavior of the streak; 3) Demonstration and instruction in recognizing 'with,' 'against' and 'neutral' behavior of the retinoscopic reflex; 4) Demonstration of how to estimate the appropriate working distance and explanation of its role in the measurement process; 5) Instruction in using the retinoscope to estimate the spherical error; 6) Instruction in recording the results and correcting the recorded results for the operator's working distance; and 7) Instruction in converting retinoscopic results to conventional expression of refractive errors or notation of same;

**Important:** Participants must furnish their own penlight.

## Surgical Assisting Workshop\*

Natalie M. Loyacano, COMT, CR, OSA, Mandeville, LA

Harveyzon R. Delapena, COT, Pacoima, CA

Kenneth E. Dickerson, COMT, OSA, Sanger, TX

James M. Capps, COT, OSA, San Antonio, TX

Tracy L. Cruz, COA, CSA, OCS, OSA, Alexandria, KY

Pooja Doshi, COA, OSC, Arlington, VA

Danica Fiaschetti, COA, LVN, OSA, Los Angeles, CA

Joel Gonzalez, COA, Wichita, KS

Marlee M. Kinsey, COA, Norman Park, GA

Barbara A. Krzeszowski, COT, LPN, OSA, Green Pond, NJ

Daniela S. Leitch, COA, Los Angeles, CA

Keli B. O'Connor, COA, OSC, Wilmington, DE

Kimberly A. Orona, COT, OSA, Springerville, AZ

Friday, 9:10 am-11:10 am

Saturday, 9:10 am-11:10 am

Sunday, 1:50 pm-3:50 pm

Credits: 2 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This workshop will include beginning knowledge and hands-on instruction for technicians preparing to enter the ophthalmic surgery operating suite or for those who are thinking about entering the operating room in the coming year. This course will cover general ophthalmology topics. Topics covered will include basic anatomy, types of ophthalmic surgery, surgery steps and the reason for each step and basic principles of gowning and gloving and sterile technique.

## Tonometry Workshop\*

Garren P. Burton, COA, OSC, Austin, TX

Kathleen L. Rodgers, COT, OSC, Matthews, NC

Ashley A. Wilson, COT, Pleasant Plain, OH

Heather L. Bishop, COT, OSC, Volant, PA

Tracy L. Cruz, COA, CSA, OCS, OSA, Alexandria, KY

Harveyzon R. Delapena, COT, Pacoima, CA

Giselle P. Grimshaw, COMT, Durham, NC

Mostafa R. Kasem, MD, Suez, Egypt

Marlee M. Kinsey, COA, Norman Park, GA

Keli B. O'Connor, COA, OSC, Wilmington, DE

Kimberly A. Orona, COT, OSA, Springerville, AZ

Veronica L. Plessinger, COT, Salem, OH

Sarah R. Saile, COT, Tampa, FL

Michele Sheehan, COMT, Philadelphia, PA

Deborah K. Smith, COMT, Durham, NC

Brandy H. Sperry, COMT, OSC, Taylors, SC

Linda K. Strand, COT, Dallas, TX

Brandi B. Woodman, COA, OSC, Prairieville, LA

Friday, 11:30 am-12:20 pm

Friday, 12:40 pm-1:30 pm

Saturday, 11:30 am-12:20 pm

Saturday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-NC

**Prerequisite:** The lecture, "Introduction to Tonometry," is required and is offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). Upon registering for this workshop, you will need to register for the introductory, online course. After registering for this course, visit [www.eyecarece.org](http://www.eyecarece.org) to access the course. Click on the "My Courses" tab, and sign in. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This hands-on session provides the beginning ophthalmic assistant with a hands-on opportunity to learn how to use the Goldmann tonometer and tonopen instruments, and each instrument's method of measuring pressure.

\* For course code, refer to Day-At-A-Glance

# JCAHPO Course Descriptions

## UBM Workshop\*

Craig N. Simms, BSc, COMT, ROUB, CDOS, Kingston, ON  
 Carla Blackburn, BSc, COMT, ROUB, CDOS, Ottawa, ON  
 Stephen L. Carow, COMT, OCS, Lacey, WA  
 Kelly A. Gervais, COA, Cranston, RI  
 Melissa G. Pickard, COA, CDOS, Fletcher, NC  
 Jana M. Sierocki, COA, CDOS, ROUB, Dallas, TX

Sunday, 8:00 am-8:50 am

Sunday, 9:10 am-10:00 am

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Prerequisite:** The lecture, "Introduction to UBM," is required and is offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). Upon registering for this workshop, you will need to register for the introductory, online course. After registering for this course, visit [www.eyecarece.org](http://www.eyecarece.org) to access the course. Click on the "My Courses" tab, and sign in. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This workshop will allow the attendees an opportunity to perform a UBM exam. The basics of the exam will be covered, along with scanning techniques and tips for getting better images.

## INTERMEDIATE

### A-Scan Biometry Workshop\*

Laura L. Hopkins, COMT, OSC, Greenville, IN  
 Jana M. Sierocki, COA, CDOS, ROUB, Dallas, TX  
 Christiana M. Armey, COA, Crown Point, IN  
 Garren P. Burton, COA, OSC, Austin, TX  
 Rachel N. Crabtree, COA, Union, KY  
 Harveyzon R. Delapena, COT, Pacoima, CA  
 Marie D. Francis, COT, OSC, Canandaigua, NY  
 Giselle P. Grimshaw, COMT, Durham, NC  
 Kathleen M. Heidrick, COT, Pacifica, CA  
 Norberto G. Hernandez, COA, OSC, Longview, TX  
 Deborah A. Kunda, COT, ROUB, OSC, Scranton, PA  
 Michele L. McCormick, COA, Greenville, SC  
 Kimberly A. Orna, COT, OSA, Springerville, AZ  
 Melissa G. Pickard, COA, CDOS, Fletcher, NC  
 Paulette C. Plaza-Giocondo, COMT, Syracuse, NY  
 Adriane E. Santa Croce, COA, ROUB, Philadelphia, PA  
 Dana Y. Stroud, COA, Washington, DC  
 Joanne L. Yawn, COT, San Antonio, TX

Saturday, 9:10 am-10:00 am

Saturday, 10:20 am-11:10 am

Saturday, 11:30 am-12:20 pm

Saturday, 12:40 pm-1:30 pm

Saturday, 1:50 pm-2:40 pm

Saturday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-NC

**Prerequisite:** The lecture, "Introduction to A-Scan Biometry," is required and is offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). Upon registering for this workshop, you will need to register for the introductory, online course. After registering for this course, visit [www.eyecarece.org](http://www.eyecarece.org) to access the course. Click on the "My Courses" tab, and sign in. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This course will provide comprehensive hands-on training in the fundamental skills needed to perform an A-scan examination of the eye. A-scan echo pattern recognition and interpretation will be discussed. Participants will understand the concepts of gain, gates and velocities, and how they affect axial length measurements, and learn how the A-scan instrument 'thinks' to better interpret the numbers and echo patterns. Students will have an opportunity to perform A-scan evaluations on each other.

## NEW! Assisting in Intravitreal Injections Workshop (15FR7W)

Matthew L. Parker, PhD, LSSMBB, COMT, CST, OSC, Atlanta, GA  
 Sharon C. Alamalhodaie, COMT, OSC, Palm Coast, FL  
 Syed Parvez, COT, San Antonio, TX

Friday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This hands-on approach will introduce the participants a practical approach to assisting in intravitreal eye injections and demonstrate prevention strategies to reduce the potential of endophthalmitis. Aseptic techniques, lid prep, room preparation, instrument setup and control strategies will be exhibited while keeping the patient safe and comfortable during the procedures. Participants will take part in and be observed in the practice, processes and properties (knowledge, skills and attributes) to enhance the patient experience.

## Cirrus HD-OCT Workshop\*

Connie L. McKeehen, CCOA, Vancouver, WA  
 Brian M. Rowell, COA, Boca Raton, FL  
 Michele L. McCormick, COA, Greenville, SC

Friday, 9:10 am-11:10 am

Saturday, 9:10 am-11:10 am

Credits: 2 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Prerequisite:** None.

**Description:** This course will discuss clinical applications of Cirrus OCT, review proper operation of the instrument and how to read the most common analysis options. The course will focus on basic and advanced operator techniques and overcoming difficult obstacles. It will also cover troubleshooting techniques, including critiquing of current operator technique.

**Financial interest disclosed**

## Diagnostic B-Scan Ophthalmic Ultrasound Workshop\*

Jana M. Sierocki, COA, CDOS, ROUB, Dallas, TX  
 Kelly A. Gervais, COA, Cranston, RI  
 Sherry F. Kelly, COMT, ROUB, CDOS, Catawba, NC  
 Cheryl A. Kiesel, COA, ROUB, CDOS, Fort Myers, FL  
 Melissa G. Pickard, COA, CDOS, Fletcher, NC  
 Adriane E. Santa Croce, COA, ROUB, Philadelphia, PA  
 Elena Utkina, COT, Rockledge, FL

Friday, 9:10 am-10:00 am

Friday, 10:20 am-11:10 am

Friday, 11:30 am-12:20 pm

Friday, 12:40 pm-1:30 pm

Credits: 1 A JCAHPO, AOC-NC, OPS 1:2

**Prerequisite:** The lecture, "Introduction to Contact B-Scan Ultrasonography," is required and is offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). Upon registering for this workshop, you will need to register for the introductory, online course. After registering for this course, visit [www.eyecarece.org](http://www.eyecarece.org) to access the course. Click on the "My Courses" tab, and sign in. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This course will provide comprehensive hands-on training in the fundamental skills needed to perform a basic diagnostic B-scan examination of the eye. Terminology and basic principles of examination will be demonstrated at the instrument. Students will have an opportunity to perform diagnostic B-scan evaluations on each other, and to learn proper techniques of examination to provide the physician with a detailed echographic picture of the globe.

## NEW! ERG's and VEP's in an Ophthalmology Office: Lecture and Workshop (15SA56W)

Joanne L. Yawn, COT, San Antonio, TX  
 April M. Anderson, CCOA, Florence, KY  
 Kristin M. Crosnoe, COA, La Vernia, TX  
 Kimberly A. Thoe, COA, Elgin, OK

Saturday, 12:40 pm-2:40 pm

Credits: 2 A JCAHPO, AOC-C, CEP: CABRN-1

**Description:** This course will be a lecture plus hands-on workshop. It will expand the ophthalmic technician's knowledge of diagnostic ERG and VEP by flash and pattern stimuli. The hands-on component will feature equipment, testing methods, sensors, clinical applications, test protocols and patient set up. Standard wave forms and data from test results will be reviewed for quality test outcomes for integration of objective data for physician's medical decision and care plan.

**Financial interest disclosed**

\* For course code, refer to Day-At-A-Glance



# JCAHPO Course Descriptions

## Fundus Photography Workshop\*

Bruce D. Bailey, Valley Springs, CA

Rebecca B. Brannan, COT, CRA, Birmingham, AL

Friday, 11:30 am-1:30 pm

Friday, 1:50 pm-3:50 pm Credits: 2 A JCAHPO, AOC-NC, CEP: CABRN-1, OPS 1:1

**Description:** A brief lecture, followed by a hands-on workshop, will discuss clinical applications of fundus photography. The course will provide an opportunity for hands-on practice with a ZEISS Visucam Retinal Camera instrument, including instruction on proper operation and troubleshooting techniques.

**Financial interest disclosed**

## Ocular Motility—Identifying and Measuring Binocular Function Workshop (17FR6W)

Aaron V. Shukla, PhD, COMT, Saint Paul, MN

Friday, 1:50 pm-2:40 pm

Credits: 1 A JCAHPO, AOC-C

**Prerequisite:** Knowledge of the anatomy of extraocular muscles (EOM) for eye movements; primary, secondary and tertiary actions of EOM; positions of gaze; and basic knowledge of prisms.

**Description:** Demonstrations will be followed by hands-on practice with ongoing reviews and feedback. The workshop will cover: 1) binocular function (Hering's and Sherrington's Laws, angle kappa, Panum's area, and retinal correspondence); 2) controls of fusion and stereopsis, and how to disrupt them for obtaining measurement; 3) use of red and white Maddox Rod cylinder lenses for identifying deviations; 4) use of Worth 4 Dot for identifying deviations; 5) identification of duction, version and vergence movements; 6) measurement of fusional amplitudes; and 7) how to properly notate results for various tests.

## NEW! Pentacam Topography Workshop\*

Chris O'Flaherty, Arlington, WA

Sunday, 11:30 am-1:30 pm

Sunday, 1:50 pm-3:50 pm

Credits: 2 A JCAHPO, AOC-NC, CEP: CABRN-1

**Prerequisite:** The lecture, "Introduction to Corneal Topography," is required and is offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). Upon registering for this workshop, you will need to register for the introductory, online course. After registering for this course, visit [www.eyecarece.org](http://www.eyecarece.org) to access the course. Click on the "My Courses" tab, and sign in. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** Corneal topography devices are becoming increasingly more sophisticated. Topography helps your doctor study the shape, thickness and integrity of the cornea. The Pentacam is a specialized piece of equipment for accurately mapping the shape of the cornea and in many cases, can help determine treatment for a disease before it begins to cause any reduction in vision. This workshop will highlight the equipment operations and examination methods for corneal mapping.

**Financial interest disclosed**

## NEW! Retinoscopy Workshop—Intermediate\*

David J. Norath, COT, St. Louis, MO

Sze-Man Cheng, COMT, Markham, Ontario

Shelly L. Hutton, COT, Edmonds, WA

Homise W. Johnson, COMT, Rochester, NY

Anne Marie Phelps, COT, Victor, NY

Brandi B. Woodman, COA, OSC, Prairieville, LA

Saturday, 11:30 am-1:30 pm

Saturday, 1:50 pm-3:50 pm

Credits: 2 A JCAHPO, AOC-C, CEP: CABRN-1

**Prerequisite:** The lecture, "Learning Systems: Retinoscopy and Refinement," is required and are offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). Upon registering for this workshop, you will need to register for the introductory, online course. After registering for this course, visit [www.eyecarece.org](http://www.eyecarece.org) to access the course. Click on the "My Courses" tab, and sign in. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This workshop is designed to give the student hands-on instructions on the estimation of astigmatic refractive errors, including enhancement techniques, using both plus and minus cylinder techniques.

## Slit Lamp Microscopy Workshop\*

Sally Ellen F. Scanlon, COT, OSA, Fort Myers, FL

Martha C. Tello, COMT, OSC, Aventura, FL

Susan K. Busch, BA, COMT, Haltom City, TX

Kelly A. Gervais, COA, Cranston, RI

Andrea D. Grant, COMT, OSC, Lynden, WA

Shannon K. Hiatt Robison, COT, Tulsa, OK

Shelly L. Hutton, COT, Edmonds, WA

Eva Kroneker, CCOA, Encinitas, CA

Paulette C. Plaza-Giocondo, COMT, Syracuse, NY

Friday, 1:50 pm-3:50 pm

Saturday, 9:10 am-11:10 am

Saturday, 1:50 pm-3:50 pm

Credits: 2 A JCAHPO, AOC-NC

**Prerequisite:** The lecture, "Introduction to the Use of the Slit Lamp Microscope," is required and is offered in advance of the conference at [www.eyecarece.org](http://www.eyecarece.org). Upon registering for this workshop, you will need to register for the introductory, online course. After registering for this course, visit [www.eyecarece.org](http://www.eyecarece.org) to access the course. Click on the "My Courses" tab, and sign in. Upon completion of the course and an 80% passing grade on a short quiz, you will earn (1) CE Credit.

**Description:** This hands-on session is recommended for participants who have little (six months to one year) experience working with the slit lamp microscope. A hands-on session on the use of the slit lamp microscope will be presented. Uses of various types of illumination will be discussed and practiced. Convergent and parallel optical systems (similar to Haag-Streit and ZEISS models) will be provided.

## ADVANCED

## Advanced IOL Master Workshop (16SA67W)

Robert D. Emerson, COA, Rancho Cucamonga, CA

Tracy L. Cruz, COA, CSA, OCS, OSA, Alexandria, KY

Tami R. Dolan, COA, OSC, Florence, AL

Norberto G. Hernandez, COA, OSC, Longview, TX

Marlee M. Kinsey, COA, Norman Park, GA

Saturday, 1:50 pm-3:50 pm

Credits: 2 A JCAHPO, AOC-NC

**Prerequisite:** Basic understanding of the IOL Master.

**Description:** This course will be an advanced course on optical coherence biometry. It will cover the operation of the IOL Master for measuring axial lengths, Ks, ACD and white-to-white measurements. Database management and optimization of lens constants will also be discussed. A hands-on workshop will be offered following the lecture. ZEISS equipment will be used.

**Financial interest disclosed**

## Advanced Slit Lamp Examination Techniques Workshop\*

Jack G. Muckleroy Sr., COMT, Marion, TX

John A. Campagna, MD, San Antonio, TX

Sunday, 8:00 am-10:00 am

Sunday, 10:20 am-12:20 pm

Credits: 2 A JCAHPO, AOC-NC

**Prerequisite:** Experience with the use of a slit lamp is recommended.

**Description:** This course will describe, discuss and practice the uses of sclerotic scatter, direct and indirect focal illumination, specular reflection and narrow vs. widebeam illumination. The use of the slit lamp in contact lens evaluation, including fluorescein techniques, will also be presented.

\* For course code, refer to Day-At-A-Glance

# JCAHPO Course Descriptions

## NEW! Eye Banking 101: Handling Tissue (15FR56W)

Matthew L. Parker, PhD, LSSMBB, COMT, CST, OSC, Atlanta, GA

Sharon C. Almalhodaei, COMT, OSC, Palm Coast, FL

Syed Parvez, COT, San Antonio, TX

Friday, 12:40 pm-2:40 pm

Credits: 2 A JCAHPO, AOC-NC, CEP: CABRN-1

**Description:** This hands-on session is recommended for participants who seek an understanding and experience in tissue procurement and basic eye anatomy. The instructors will demonstrate how eye tissue is procured and preserved for surgical use. Following the demonstration of techniques, participants will have an opportunity to excise a corneoscleral rim from an enucleated whole bovine eye. Procurement instrumentation, infection control and personnel safety standards, and biohazardous waste disposal will be introduced.

## Ocular Motility—Approaching Patient Examinations Workshop (17FR7W)

Aaron V. Shukla, PhD, COMT, Saint Paul, MN

Friday, 3:00 pm-3:50 pm

Credits: 1 A JCAHPO, AOC-C

**Prerequisite:** Previous attendance at Ocular Motility Basic and Intermediate Workshops.

**Description:** This workshop includes discussion and demonstrations for approaching patient examinations for common and uncommon ocular motility problems. Participants will have the opportunity to learn to identify fusion problems, alternating and intermittent tropias, dissociated vertical deviations and to use hand-held and phoropter-mounted instruments to measure deviations.

## Equipment Suppliers

### Thank you for supporting this year's ACE Program!

#### Accutome, Inc

3222 Phoenixville Pike, Building #50, Malvern, PA 19355  
www.accutome.com

#### Alcon Laboratories, Inc

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www.alcon.com

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5160 Hacienda Drive, Dublin, CA 94568  
www.zeiss.com/med

#### Ellex

7138 Shady Oak Road, Minneapolis, MN 55344  
www.ellex.com

#### Haag-Streit USA

3535 Kings Mills Road, Mason, OH 45040  
www.haag-streit.com

#### Icare USA

4208 Six Forks Road, Suite 1000, Raleigh, NC 27609  
www.icare-usa.com

#### Keeler Instruments

3222 Phoenixville Pike, Building #50, Malvern, PA 19355  
www.keelerusa.com

#### MARCO

11825 Central Parkway, Jacksonville, FL 32224  
www.marco.com

#### Mid-Gulf Instruments

158 Kingspoint Boulevard, Slidell, LA 70461  
www.midgulfstruments.com

#### OCULUS

17721 59th Ave NE, Arlington, WA 98223  
www.oculususa.com



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#### **FRIDAY, NOVEMBER 10**

Corneal Topography and Anterior Segment Imaging  
Back to Basics: Focusing, Exposure & More\*  
Ophthalmic Imaging Crash Course  
Surviving and Thriving the EHR Implementation: Panel Disc\*  
Principles of Fundus Autofluorescence Imaging\*  
OCT-A\*  
Correlation/Discrepancy between FA & OCT  
Eye Banking: It's All About Your Image\*  
Treating by the Colors is not Black and White\*  
Pre & Post Injection Techniques: Hemodynamic Flow of Dye  
Imaging Intraocular Tumors  
CRA Prep: Digital Footprint  
Bad Outcomes with Unproven Stem Cell Therapy\*  
Anterior Segment Fluorescein and ICG Angiography:  
Technique, Application and Beauty  
CRA Portfolio Preparation\*  
A Neuro –Ophthalmology Challenge\*  
Ophthalmic Pharmacology  
OCT-C Portfolio Preparation\*  
Imaging the Zika Virus\*  
*Scientific Paper Session*  
*Award Presentations*

#### **SATURDAY, NOVEMBER 11**

OCT-A Practical Techniques\* (Lecture & Workshop)  
HVF and OCT Correlation of Anatomy and Disease of  
Glaucoma\*  
Ultra Wide Field Imaging: Seeing Into the Far Periphery  
(Lecture & Workshop)  
Methodology: How to Systematically Perform an ERG (Lecture  
& Workshop)  
Slit Lamp Photography (Lecture & Workshop)  
Optical Coherence Tomography Angiography (OCT-A) in  
Ocular Oncology\*  
Diabetic Retinopathy: Pathology, Pathophysiology, and Current  
Treatment Paradigm\*  
Ophthalmic Videography Imaging Double Header: Challenges  
in Producing Oculoplastic Surgery Videos; Video  
Gonioscopy\*  
*Vendor Forum*  
Microperimetry: Basics to Beyond\* (Lecture & Workshop)  
Standard Techniques of Goniography (Lecture & Workshop)  
Advanced SD-OCT Techniques (Lecture & Workshop)  
Imaging of the Final Frontier: Taking OCT Scans to the Far  
Reaches of Our Micro Universe in the Retina\*  
Jamie Nicholl Symposium: Controversies in Ophth. Photog  
*J. Donald Gass, MD Memorial Lecture – Conjunctival Tumors:  
Lumps, Bumps, and Double the Trouble\**

#### **SUNDAY, NOVEMBER 12**

CRA Prep: Anatomy of the Fundus with UWF\*  
Pearls & Pitfalls of Anterior & Posterior Segment OCT Imaging  
in Glaucoma for Ophthalmic Photographers\*

Imaging of Anterior Segment Fundamentals & Clinical Applic\*  
Introduction to SD-OCT-Group Discussion  
A Dive Into the Deep Blue: Blue Light & Its Effects on Ocular  
Health\*  
Intro to Fundus Photography (Lecture & Workshop)  
Clinical Applications of Anterior Segment OCT (Lect & WS)  
OCT-A Breakout Session  
Fundus Photography Breakout Session\*  
Panel Discussion: Ask the Reading Center: Imaging Protocols\*  
Mission Impossible: Making Impossible Imaging Possible\*  
AMD Double Header: Wet Versus Dry Macular Degeneration\*  
*Vendor Forum*  
Intro to Fluorescein Angiography (Lecture & Workshop)  
CRA Prep: FA & ICG Preparation & Protocols\*  
Fundamentals in UBM (Lecture & Workshop)\*  
Panel Discussion: Ask the Reading Center: Image Quality &  
Certification\*  
Surgical Retinal Videos  
Two Years of OCT Angiography: What We've Learned\*  
*OPS Business Meeting, open to all OPS members*

#### **MONDAY, NOVEMBER 13**

External Photography  
The Most Interesting Cases That I Have Seen in the Last 45  
Years\*  
B-Scan Fundamentals (Lecture & Workshop)  
Advanced Stereo Fundus Photography (Lecture & Workshop)  
Application of Descriptive Interpretation of FA  
Beginners' B-Scan: Globe Screening Techniques\* (Lecture &  
Workshop)  
OCT-A Double Header: Clinical Applic of OCT-A in Retinal  
Vascular Disease; OCT-A Recognizing Artifacts &  
Techniques to Improve Scan Quality\*  
Descriptive Interpretation of Fluorescein Conference  
Imaging IntraOcular Tumors  
Rare Case Symposium  
Double Header: Pediatric Ultrasound Strategies and  
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Pediatric Ophthalmic Imaging: Discussion Panel  
Slit Lamp Photography: *The Smart Way\**  
Descriptive B-scan Interpretation: Common Globe Pathology  
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Embryology of the Eye\*  
3-Dimensional Thinking in B-scan Ultrasonography Advanced  
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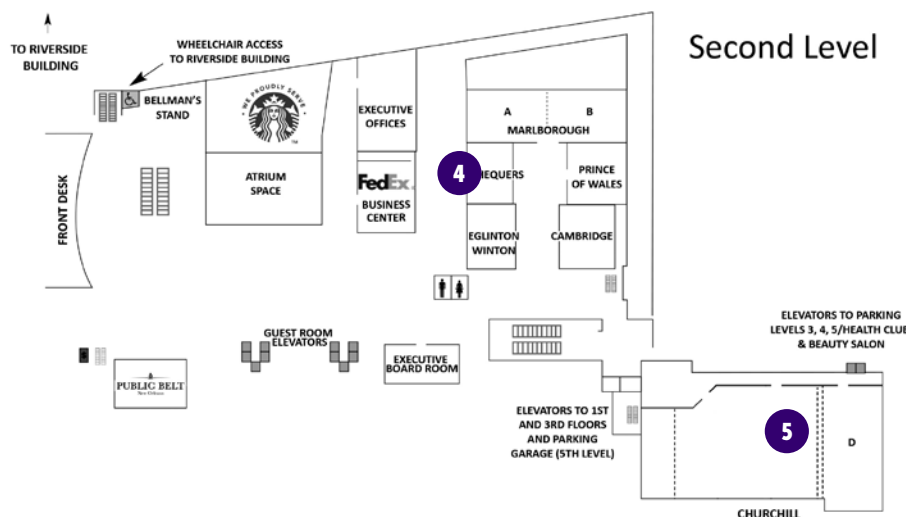


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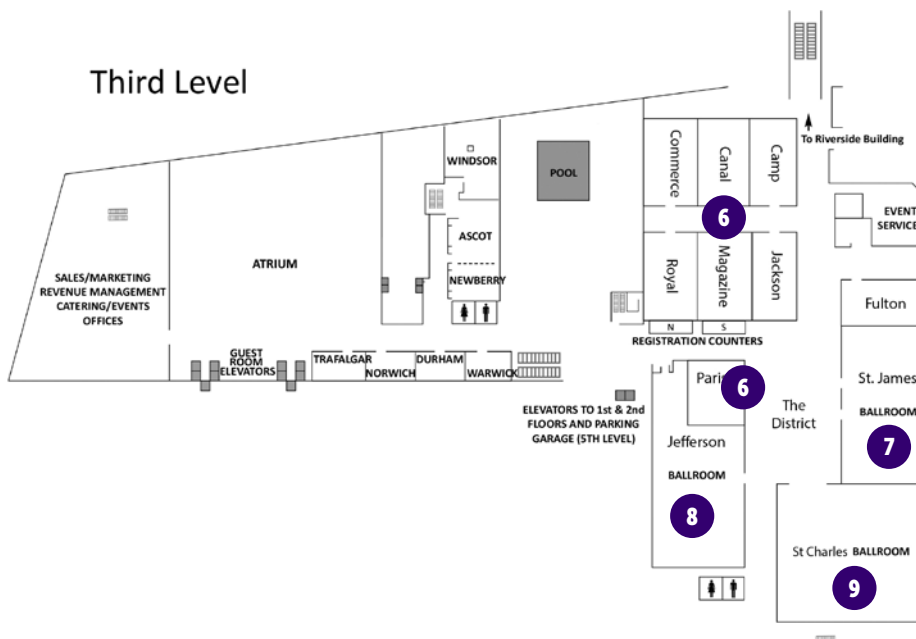
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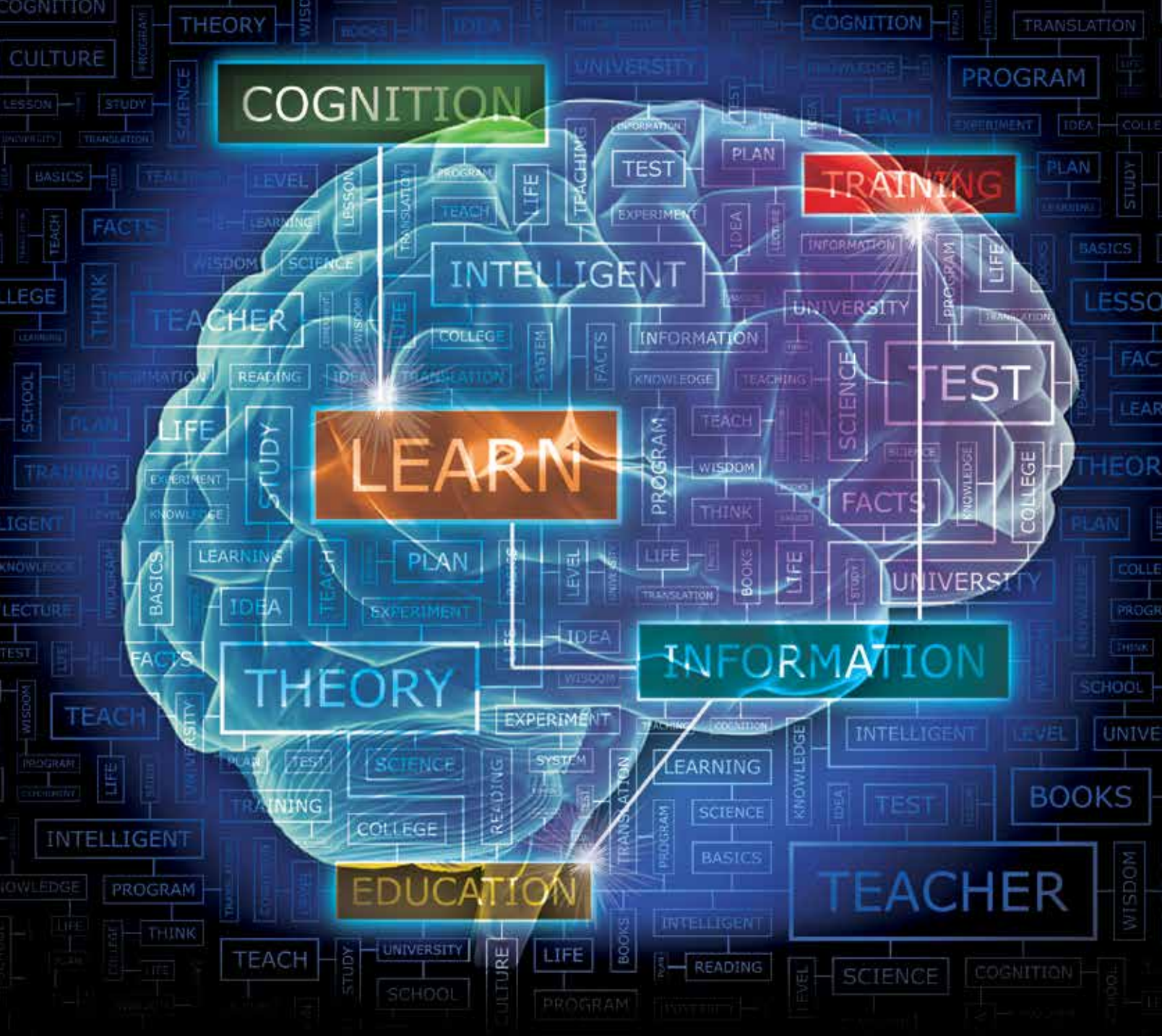
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