WASHINGTON ACADEMY OF EYE PHYSICIANS & SURGEONS

Ophthalmic Medical Personnel Program

April 1, 2016

The Conference Center at 8th and Pike
800 Pike Street
Seattle, Washington

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Introduction

Welcome to the 2016 WAEPS Ophthalmic Medical Personnel Program! This premier event will provide the latest updates and insights in ophthalmology through 30 unique lectures and 16 different hands-on workshops from a group of highly skilled and dedicated physicians and experts. The meeting will take place at The Conference Center in Seattle.

Each year we offer exciting new courses that help attendees acquire and maintain certification, provide hands-on training to learn or hone clinical skills and cover the latest technological advances in eye care. This year we are honored to have the following speakers come all the way from Ohio, Arizona and California to be a part of our program!

We are pleased to have Dan Briceland, MD and Paul Weber, JD of OMIC (Ophthalmic Mutual Insurance Company) with us to present their lecture "Office Staff Role in Malpractice Claims" and show you how absolutely critical ophthalmic medical personnel (OMP) are to the team effort of optimizing patient safety and minimizing the risk of malpractice.

We are also excited to have Amy Jost, BS, COMT, the vice-president of ATPO (Association of Technical Personnel in Ophthalmology) here to present both JCAHPO COT written and practical exam review courses to help outline exactly what you need to know to reach that next level of certification.

In addition, check out our many other new courses, all designed to give you essential clinical information and pearls to increase your level of training and enhance your professional performance, such as the following:

- Refractive Care of the Cataract Surgical Patient: Is 20/20 the Best We Can Do?
- Peter Piper Picked a Peck of Pediatric Pearls
- Steps to Creating a Phenomenal Patient Experience
- Retinoscopy: Theory and Technique
- Inflammation Story Time

Classes fill up quickly, so be sure to ***register early*** to avoid missing out on hearing from some of the best speakers in the ophthalmology field. We look forward to seeing all of you in Seattle for this exclusive continuing education opportunity!

Anndrea Grant, COMT
Northwest Eye Clinic, Inc
Program Chair

About this Meeting

Registration
Please use the online registration form on the WAEPS website, http://www.waeps.org/annual-meeting which requires each participant to provide contact information and to choose his or her classes and workshops. **Please use *your own* mailing address and email address**. When you come to the end of the registration process, either pay for the program with a credit card or select 'invoice me.' If you choose invoice me, you'll receive an emailed invoice. You can then submit the invoice to your supervisor or practice accounting office to be paid. WAEPS asks that invoices be paid within 30 days of registration.

Accreditation
JCAHPO, AOC, and OPS Credits have been applied for.

Target Audience
Nurses, Ophthalmic Medical Personnel (All levels of certified and non-certified assistants, opticians, contact lens personnel), and health care students.

Workshop Prerequisites
The prerequisite for each workshop is to already possess a basic knowledge of that particular skill. The workshops are designed to help ophthalmic medical personnel further hone the skill and, through hands-on instruction, demonstrate the best clinical applications of that skill.

Watch for your e-syllabus link

Our 2016 Annual Meeting is environmentally responsible, not only for the earth, but for the WAEPS' budget. There will be no printed syllabus. **Instead, one week prior to the meeting, you will receive an email with a link for access to your e-syllabus**. We encourage you to use it to access important information before you arrive, including printable/downloadable speaker handouts, an updated schedule, and driving and parking directions.

What's Included
Your registration includes a full day of course instruction, eSyllabus, educational credits, delicious hot buffet luncheon, access to exhibits, and a hosted reception.

Attendance verification and credit
JCAHPO now requires that we document each participant's attendance at each session throughout the day. Prior to the meeting you will receive by mail your nametag, personalized schedule and a set of attendance cards (one for each of your classes). Be sure to bring these with you on the day of the meeting! As you enter each classroom, you will insert your attendance card for that hour's class into the box next to the classroom door. These cards are collected ten minutes after the class begins. Failure to deposit your attendance card into the correct box by that time means we will not be able to verify your attendance and you will not get credit for that hour. **So please help us with your full cooperation in this system!** Within 30 days after the program you will receive a certificate showing all the courses you attended. If you do not receive that, please contact our office to have it resent.

Special needs
Moms needing a place to pump? We've got that covered. Just contact us ahead of time or at the registration desk on the morning of the meeting for information on how to access our "pump room" during breaks! Anything else we can help with? Contact our office (as soon as you can) to let us know. We'll do our very best to assist.

Lunch
A delicious buffet lunch is included in your registration. That lunch will be held on the "Tahoma Level" (Level Three). If you choose to leave the building during the lunch break, please be sure to return on time for your next class.

President's Reception
Immediately following the physician program at 5:15 pm, please join us for the President's Reception. This hosted event takes place with the exhibitors on the "Tahoma Level" (Level Three).

About this Meeting *(continued)*

Lodging

Out of town participants may book rooms at a discounted rate of $169.00 per night at the new conference hotel, **MOTIF**, a few blocks from The Conference Center. A link to our dedicated reservation page offering this rate is on our website: http://www.waeps.org/annual-meeting

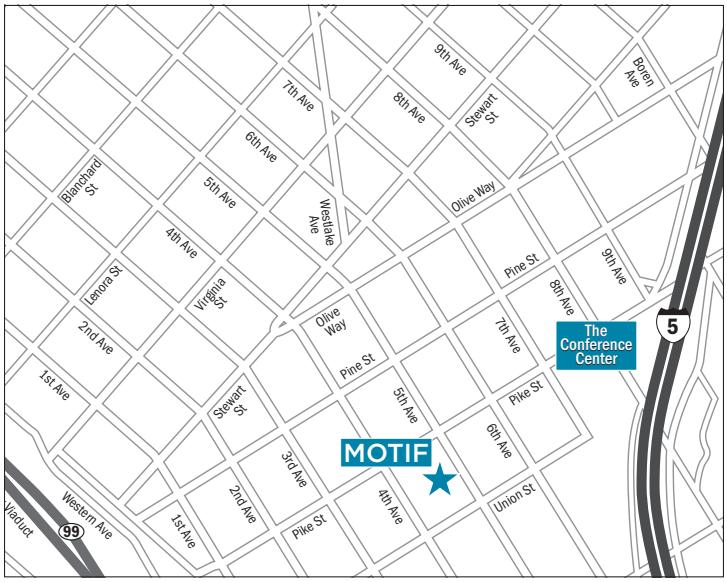
There are a limited number of rooms available at that rate, and the discount expires on February 29, 2016. We recommend that you book your room right away.

Questions: Call Debra Alderman at 206-956-3650, or send an email to waeps@waeps.org

Cancellations: Cancellation requests must be submitted in writing. There is a $50.00 fee for cancellation before March 1, 2016. **There are no refunds for cancellation after March 1, 2016**.

Driving and Parking Directions

Venue: The Conference Center
800 Pike Street • Seattle, WA 98121



From I-5 Southbound to Convention Center Garage
(Primary Entrance on 8th Avenue)
- I-5 Southbound
- Stewart Street Exit (#166)
- Left on Boren Avenue
- Right on Seneca Street
- Right on 8th Avenue
- Garage entrance is on your right

From I-5 Northbound and I-90 Westbound to Convention Center Garage
(Primary Entrance on 8th Avenue)
- I-5 Northbound
- Madison Street Exit (#164A)
- Right on Madison Street
- Left on 8th Avenue
- Garage entrance is on your right

WAEPS expresses its appreciation and acknowledges the following companies for the generous loan of their ophthalmic instruments used in the workshops:

- Accutome
- Carl Zeiss Meditec
- CooperVision
- Eye Associates Northwest, P.C.
- Haag-Streit
- Heidelberg Engineering
- Nidek
- Northwest Eye Clinic, Inc
- Oculus
- Ophthalmic Instruments and Consulting
- Spectrum Ophthalmics
- Walman Instrument Group

2016 PROGRAM SCHEDULE

COURSE **SPEAKER**

8:30 – 9:30	**1** Office Staff Role in Malpractice Claims Paul Weber, JD and Dan Briceland, MD	**2** Pharmacology Update 2016 Martha Leen, MD and Paul Kremer, MD	**3** Ocular Trauma 2016 Eissa Hanna, MD	**4** The Tube Talk: Glaucoma Drainage Devices Deanne Nakamoto, MD	**5** Thyroid Eye Disease AJ Amadi, MD, FACS
9:40 – 10:40	**6** COT Written Exam Review Part 1 Amy Jost, COMT, BS, CCRC, OSC 2-hour course. Please register for both Part 1 at 9:40 and Part 2 at 10:50.	**7** Intracranial Hypertension Jean Kassem, MD	**8** Glaucoma Laser Surgery Ernesto Golez, MD	**9** Retinal OCT: An Interactive Discussion of Basic and Advanced Interpretation Kelly Bui, MD	**10** Coding Minor Surgeries and Concurrent Office Visits Patricia Kennedy, COMT, COE
10:50 – 11:50	**11** COT Written Exam Review Part 2 Amy Jost, COMT, BS, CCRC, OSC 2-hour course. Please register for both Part 1 at 9:40 and Part 2 at 10:50.	**12** Peter Piper Picked a Peck of Pediatric Pearls Ingrid Carlson, MD	**13** Ocular Infections B. L. Blackorby, MD	**14** Orbital Trauma and Concussion in Sports Medicine Tim Carey, MD	**15** Mystery Retina: Interactive Discussion of Challenging Cases Sharel Ongchin, MD
11:50 – 1:00	**LUNCH**				
1:10 – 2:10	**16** COT Practical Exam Review Part 1 Amy Jost, COMT, BS, CCRC, OSC 2-hour course. Please register for both Part 1 at 1:10 and Part 2 at 2:20.	**17** Contact Lens Complications Bill Kilgore, LDO, NCLEC, COA	**18** A Road Trip through the Visual Pathway of the Brain Steve Hamilton, MD	**19** Eye Care and Common Eye Diseases in Developing Countries Devin Harrison, MD	**20** Refractive Care of the Cataract Surgical Patient: Is 20/20 the Best We Can Do? Chris Kuntz, MD
2:20 – 3:20	**21** COT Practical Exam Review Part 2 Amy Jost, COMT, BS, CCRC, OSC 2-hour course. Please register for both Part 1 at 1:10 and Part 2 at 2:20.	**22** Evaluation and Disorders of the Pupil Matthew Niemeyer, MD	**23** Mystery Uveitis: How to Evaluate a Patient With Uveitis Thellea K. Leveque, MD, MPH	**24** Jeopardy! Pediatric Ophthalmology Pearls David Epley, MD	**25** Refraction: What Do Those Numbers Really Mean? Patricia Kennedy, COMT, COE
3:30 – 4:30	**26** The Red Eye and the Ophthalmic Technician Brian Roth, MD	**27** Steps to Creating a Phenomenal Patient Experience Barbra Dey	**28** SUPER SCRIBE! Principles and Pearls of Scribing Laurie Creasey, COT	**29** Hydroxychloroquine (Plaquenil) Toxicity Nikhil Godbole, MD	**30** Inflammation Story Time Laura Periman, MD

Lecture Descriptions

01. Office Staff Role in Malpractice Claims | **Paul Weber, JD and Dan Briceland, MD**

A review of malpractice claims against ophthalmologists and their practices demonstrate that ophthalmic medical personnel (OMP) are absolutely critical to the team effort of optimizing patient safety and minimizing the risk of malpractice. This course focuses on ways OMP can reduce malpractice risk and improve patient safety with effective patient communication, proper triage (especially telephone calls) and handling "special needs" patients.

Objectives:

1. Explain the role of OMP in the informed consent process.
2. Describe steps OMP can take to improve communication with special needs patients, elderly patients, minors and limited English patients.
3. Explain the role of OMP in helping triage patients who call the practice seeking care/treatment.

02. Pharmacology Update 2016 | **Martha Leen, MD and Paul Kremer, MD**

This course will provide an update on medications that are available for the treatment of both glaucoma and anterior segment diseases. Pharmacology indications and side effects will be discussed.

Objectives:

1. Review the medications that are available for glaucoma and anterior segment diseases.
2. Describe their indications and potential side effects.

03. Ocular Trauma 2016 | **Eissa Hanna, MD**

This course will be in a grand rounds format and will present several different ocular trauma cases. The course will review types of ocular trauma and discuss prevention and treatment modalities to restore vision.

Objectives:

1. Be able to recognize groups at risk for ocular trauma and counsel them on prevention.
2. List the various types of ocular trauma and have a general sense of prognosis and treatment strategies.

04. The Tube Talk: Glaucoma Drainage Devices | **Deanne Nakamoto, MD**

This course will discuss the purpose and rationale, indications and different types of drainage devices used in glaucoma filtering surgery. Outcomes, possible complications and the pre- and post-operative care of the patient will also be reviewed.

Objectives:

1. Describe the various types of glaucoma drainage devices and their indications.
2. Understand the pre- and post-operative care for glaucoma filtering surgery.

05. Thyroid Eye Disease | **AJ Amadi, MD, FACS**

This course will provide a practical update on how to best care for the patient with thyroid eye disease (TED). Disease activity, progress, severity and management will be reviewed. The International Thyroid Eye Disease Society (ITEDS) "VISA" standardized evaluation form will be utilized in the discussion of the clinical evaluation and management of this disorder.

Objectives:

1. Describe thyroid eye disease and its management.
2. Understand the steps to properly evaluate this disorder.

06. COT Written Exam Review Part 1 | **Amy Jost, COMT, BS, CCRC, OSC**

In this *two-hour* class, JCAHPO COT content areas will be reviewed and discussed with the use of a PowerPoint presentation, ending with a question and answer session. This course is meant to be a review and is not designed to provide initial instruction in content materials. A good understanding of JCAHPO COT examination content areas and COA level of certification is required.

Objectives:

1. Demonstrate knowledge and comprehension of JCAHPO COT examination content areas.
2. Be able to identify the specific JCAHPO COT examination content areas where additional studying would be beneficial.

07. Intracranial Hypertension | **Jean Kassem, MD**

This course is designed to give the attendee an overview of the various forms of intracranial hypertension and how they affect vision. The course will cover diagnosis and management of intracranial hypertension including the role of in-office testing, imaging, invasive testing, and various medical and surgical treatment modalities. Outcomes and treatment goals will be discussed in the context of current best practice standards.

Objectives:

1. Understand the typical presentation of intracranial hypertension and the roles of various forms of in-office testing and imaging.
2. Describe the various treatment modalities and be able to recognize the warning signs of aggressive disease.

08. Glaucoma Laser Surgery | **Ernesto Golez, MD**

This course will discuss the purpose and rationale, indications and different types of laser surgery used to treat glaucoma. Outcomes and possible complications will be reviewed. Pre- and post-operative care of the patient, lenses used and set-up procedures will also be discussed.

Objectives:

1. Identify the different types of laser surgery used to treat glaucoma.
2. Describe the indications, outcomes and possible complications of treatment.

Lecture Descriptions *(continued)*

09. Retinal OCT: An Interactive Discussion of Basic and Advanced Interpretation | Kelly Bui, MD

This course will be an interactive discussion of basic and advanced retinal OCT interpretation. The lecture will provide an introduction to OCT technology and a review of cross sectional retinal anatomy. Current terminology for OCT interpretation will also be reviewed. The course participants will be asked to comment on and discuss the OCT images that will be used to illustrate retinal pathology of common diseases.

Objectives:

1. Describe cross sectional retinal anatomy and current OCT terminology.
2. Identify the retinal pathology of common diseases seen on OCT images.

10. Coding Minor Surgeries and Concurrent Office Visits | Patricia Kennedy, COMT, COE

This course will provide information on the appropriate billing of office visits at the same time as minor procedures (i.e., services with a 0 or 10 day global fee period). Through typical examples, this course will discuss the most common minor surgeries and illustrate the proper and improper application of the use of modifier -25 needed for billable office visits. The examples will be those seen in chart audits in all areas of ophthalmology.

Objectives:

1. Understand the appropriate coding and billing of minor procedures.
2. Describe proper documentation and correct use of modifiers.

11. COT Written Exam Review Part 2 | Amy Jost, COMT, BS, CCRC, OSC

In this *two-hour* class, JCAHPO COT content areas will be reviewed and discussed with the use of a PowerPoint presentation, ending with a question and answer session. This course is meant to be a review and is not designed to provide initial instruction in content materials. A good understanding of JCAHPO COT examination content areas and COA level of certification is required.

Objectives:

1. Demonstrate knowledge and comprehension of JCAHPO COT examination content areas.
2. Be able to identify the specific JCAHPO COT examination content areas where additional studying would be beneficial.

12. Peter Piper Picked a Peck of Pediatric Pearls | Ingrid Carlson, MD

What is a pearl? It is nature's beautiful solution to what first started out as a chronic irritation. Some people fear pediatrics. Other people just love it. Let us walk through a typical pediatric ophthalmology encounter together, from greeting the patient to final assessment. Along each step of the way we will point out those irritants which may be specific to pediatrics. We will suggest solutions which may be as beautiful and as simple as pearls.

Objectives:

1. Describe the proper work-up of a pediatric patient.
2. Explain several clinical pearls that can be utilized to make the work-up easier and more efficient.

13. Ocular Infections | Barton Blackorby, MD

This course will review the common agents of ocular infectious disease, including viruses, bacteria, fungi, protozoa and insects. Common ocular infections caused by these agents will then be described and organized by anatomic location. The clinical appearance, diagnostic techniques and treatment will be reviewed for each disease entity.

Objectives:

1. Identify the common agents of ocular infectious disease.
2. Describe the diagnostic techniques and treatment for each entity.

14. Orbital Trauma and Concussion in Sports Medicine | Tim Carey, MD

This course will focus on orbital trauma (bone fractures, eyelid trauma and hematoma), hyphema and corneal abrasion as it relates to sports medicine and will discuss prevention and treatment options.

Objectives:

1. List the various types of ocular trauma that can occur from sports injuries.
2. Name several prevention and treatment strategies.

15. Mystery Retina: Interactive Discussion of Challenging Cases | Sharel Ongchin, MD

This course will present several diagnostically challenging "mystery retina" cases. The cases will be presented as unknowns, and audience participation will be encouraged. At the conclusion of this course, attendees will be better able to assess and evaluate a variety of diagnostically challenging "mystery retina" cases.

Objectives:

1. Describe several diagnostically challenging retina cases.
2. Understand the signs and symptoms that lead to the correct diagnosis.

16. COT Practical Exam Review Part 1 | Amy Jost, COMT, BS, CCRC, OSC

This *two hour* 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. An overview of the clinical skills will be discussed.

Objectives:

1. Briefly review the concept of the 7 clinical skills tested on the COT Practical Exam.
2. Demonstrate ability to navigate through JCAHPO Learning Systems simulations.
3. Describe the process of determining the correct outcome for the referenced skill.

Lecture Descriptions *(continued)*

17. Contact Lens Complications | Bill Kilgore, LDO, NCLEC, COA

This course will provide an overview of the five major groups of contact lens complications and promote an understanding and recognition of the various causes. Discussion will be focused on how to manage and avoid the complications. Participants will learn troubleshooting techniques and when to involve their physicians in the problem solving process. Experience fitting contact lenses is a prerequisite for this course.

Objectives:

1. Name the 5 major groups of contact lens complications.
2. Explain how to manage and avoid these complications.

18. A Road Trip through the Visual Pathway of the Brain | Steve Hamilton, MD

This interactive course will use real neuro-ophthalmic cases to cover the visual pathways from the retina and optic nerve through the chiasm and back to the visual cortex. Participants should be able to recognize by visual field appearance and clinical signs the localization of pathology responsible for these "optic nerve and brain" causes of visual loss. The speaker will try to inform participants which conditions warrant urgent triage or a more leisurely work up.

Objectives:

1. Understand the visual pathway from the retina to the visual cortex.
2. Describe the location of various pathology responsible for vision loss.

19. Eye Care and Common Eye Diseases in Developing Countries | Devin Harrison, MD

This course will provide an overview of international mission work for eye care professionals and will discuss various eye diseases, small incision cataract surgery and other surgeries frequently performed in developing countries.

Objectives:

1. List common eye diseases in developing countries.
2. Describe manual small incision cataract surgery and other surgeries frequently performed in developing countries.

20. Refractive Care of the Cataract Surgical Patient: Is 20/20 the Best We Can Do? | Chris Kuntz, MD

This course explores how we can customize the refractive goals of cataract surgery to meet the unique needs of the individual patient. A team approach involving the patient, technician and surgeon will be explored. Topics will include how to use the internet to empower patients, when, why and how to manage astigmatism, and how to use micro monovision to enhance depth of field.

Objectives:

1. Explain how to customize refractive goals to meet individual patient needs.
2. Name various tools that can be used in the process.

21. COT Practical Exam Review Part 2 | Amy Jost, COMT, BS, CCRC, OSC

This *two hour* 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. An overview of the clinical skills will be discussed.

Objectives:

1. Briefly review the concept of the 7 clinical skills tested on the COT Practical Exam.
2. Demonstrate ability to navigate through JCAHPO Learning Systems simulations.
3. Describe the process of determining the correct outcome for the referenced skill.

22. Evaluation and Disorders of the Pupil | Matthew Niemeyer, MD

This course will describe how to give proper pupil evaluation, identify common pupil disorders and understand the factors that contribute to pupil disorders.

Objectives:

1. Describe the proper technique for evaluating pupil function.
2. Identify and understand various pupil disorders.

23. Mystery Uveitis: How to Evaluate a Patient With Uveitis | Thellea K. Leveque, MD, MPH

This course will discuss several diagnostically challenging "mystery uveitis" cases. The cases will be presented as unknowns and attendees will have an opportunity to participate in this interactive course and learn how a uveitis specialist analyzes each patient. Focus will be on the step-by-step evaluation of patients with uveitis and will include both infectious and noninfectious entities in patients with anterior, intermediate, posterior uveitis and panuveitis.

Objectives:

1. Describe several diagnostically challenging uveitis cases.
2. Understand the signs and symptoms that lead to the correct diagnosis.

24. Jeopardy! Pediatric Ophthalmology Pearls | David Epley, MD

This course will cover five different topics in pediatric ophthalmology: amblyopia, strabismus, cataracts, ocular surface and potpourri. Questions will be presented in the form of an answer as on the popular TV game show Jeopardy! Participants will have a chance to guess the question, then a brief discussion of the topic will ensue, bringing the participant up to speed with current thinking and therapies for these conditions in 2016.

Objectives:

1. Discuss various pediatric disease processes.
2. Describe the workup, evaluation and treatment options for each.

Lecture Descriptions *(continued)*

25. Refraction: What Do Those Numbers Really Mean? | Patricia Kennedy, COMT, COE

Most technicians perform refractometry multiple times a day in clinic. It is a rote task for many. Understanding what those numbers mean in the final script can make the difference in whether or not the endpoint is accurate. This course will promote better understanding of the refractometry process including tips to achieving an optimal outcome.

Objectives:

1. Understand the theory behind refractometry.
2. Describe the techniques necessary to achieve an accurate and optimal result.

26. The Red Eye and the Ophthalmic Technician | Brian Roth, MD

This lecture will cover the myriad of causes of a red eye and will center on the ophthalmic technician's role in establishing the correct diagnosis. We will discuss both history taking and the preliminary examination of the red eye patient and how best to assist the ophthalmologist in reaching a diagnosis and initiating the appropriate treatment. As always, the speaker will try to present the material in a lively and engaging manner.

Objectives:

1. Explain the various causes of red eye.
2. Describe the elements needed in the history taking process and examination to arrive at the correct diagnosis.

27. Steps to Creating a Phenomenal Patient Experience | Barbra Dey

This course will review the steps needed to create a phenomenal patient experience in the eye care clinic, including: common causes for delays in clinic flow and how to prevent them; how to express yourself with positive rather than negative language; keys to understanding telephone skills; keys to team work; how to manage difficult patients with finesse; and tips for dealing with patients with special needs.

Objectives:

1. Identify the necessary steps to create a phenomenal patient experience.
2. Describe ways to implement these steps into your daily routine.

28. SUPER SCRIBE! Principles and Pearls of Scribing | Laurie Creasey, COT

This course will review the essentials of compliance and documentation when scribing for the ophthalmologist. Various tips and pearls will be discussed on how you, as a scribe, can improve clinic flow and increase the physician's efficiency.

Objectives:

1. Explain the importance of documentation and compliance when scribing.
2. Name several pearls on how to improve clinical efficiency as a scribe.

29. Hydroxychloroquine (Plaquenil) Toxicity | Nikhil Godbole, MD

This course will discuss hydroxychloroquine (Plaquenil) use and the ocular manifestations of toxicity. Symptoms and risk factors, appropriate and detailed history taking and the various tests for toxicity will be reviewed.

Objectives:

1. Understand the indications for hydroxychloroquine (Plaquenil) use.
2. Name the symptoms, risk factors and various tests needed to evaluate for retinal toxicity.

30. Inflammation Story Time | Laura Periman, MD

Wonder what that cool new tool is testing for? How do our new technologies aid the diagnosis and therapeutic choices of dry eye disease? And monitor the progress of the dry eye patient? With lots of stories and humor, we will explore what is happening on an inflammatory level to help understand the new technologies and therapeutics in dry eye disease.

Objectives:

1. Understand the causes and symptoms of dry eye disease.
2. Describe several new technologies used in the treatment of this disorder.

2016 WORKSHOP SCHEDULE

COURSE **SPEAKER**

8:30 – 9:30	**31A** Evaluating the Ocular Surface with the OCULUS Keratograph 5M ‣ Chris Flaherty – *Oculus*	**32A** Humphrey Visual Field Analyzer: Best Practices ‣ Connie Demarse, CCOA – *Carl Zeiss Meditec*
	33A Immersion A-Scan ‣ Tina Campbell, COT	**34A** Clinical Applications of the Spectralis OCT ‣ Amanda Bye – *Heidelberg Engineering*
9:40 – 10:40	**31B** Non-Mydriatic Fundus Photography ‣ Kellie Godlesky – *Nidek*	**32B** Cirrus HD-OCT: Best Practices and an Introduction to AngioPlex ‣ Connie Demarse, CCOA – *Carl Zeiss Meditec*
	33B Slit Lamp Examination Techniques ‣ Parisa Taravati, MD	**34B** Manual Keratometry ‣ Stephen Carow, COMT, OCS
10:50 – 11:50	**31C** LENSTAR Optical Biometry: Best Practices ‣ Tom Fisher – *Haag-Streit*	**32C** IOL Master 700: Best Practices and an Introduction to Swept Source Biometry ‣ Connie Demarse, CCOA – *Carl Zeiss Meditec*
	33C Basic Ocular Motility ‣ Claire Callaghan, CO, COMT	**34C** Manual Lensometry ‣ Stephen Carow, COMT, OCS
11:50 – 1:00	**LUNCH**	
1:10 – 2:10	**31D** Soft Contact Lens Fitting ‣ Bill Kilgore, LDO, NCLEC, COA	**32D** Retinoscopy: Theory and Technique ‣ Nathan Jordan, MD
	33D Intermediate/Advanced Ocular Motility ‣ Claire Callaghan, CO COMT	**34D** Manual Keratometry ‣ Stephen Carow, COMT, OCS
2:20 – 3:20	**31E** Clinical Applications of the Spectralis OCT ‣ Amanda Bye – *Heidelberg Engineering*	**32E** Cirrus HD-OCT: Best Practices and an Introduction to AngioPlex ‣ Connie Demarse, CCOA – *Carl Zeiss Meditec*
	33E Immersion A-Scan ‣ Tina Campbell, COT	**34E** LENSTAR Optical Biometry: Best Practices Tom Fisher – *Haag-Streit*
3:30 – 4:30	**31F** Manual Lensometry ‣ Stephen Carow, COMT, OCS	**32F** IOL Master 700: Best Practices and an Introduction to Swept Source Biometry ‣ Connie Demarse, CCOA – *Carl Zeiss Meditec*
	33F Anterior Segment Tomography with the OCULUS Pentacam ‣ Chris Flaherty – *Oculus*	**34F** Non-Mydriatic Fundus Photography ‣ Kellie Godlesky – *Nidek*

Workshop Descriptions

31A. Evaluating the Ocular Surface with the OCULUS Keratograph 5M | **Chris Flaherty,** *Oculus*

This course covers techniques for acquiring measurements and images relevant to the assessment of dry eye disease such as noninvasive tear breakup time, tear meniscus height, and meibomian gland imaging. Workflow strategies to optimize the efficiency and accuracy of dry eye exams will also be discussed. The class will include lecture and hands-on instruction.

Objectives:

1. Understand the clinical applications for ocular surface testing.
2. Describe the techniques to acquire various images and measurements pertinent to dry eye disease.

32A. Humphrey Visual Field Analyzer: Best Practices | **Connie Demarse, CCOA,** *Carl Zeiss Meditec*

This course will provide an overview of perimetry and the importance of visual field testing. Instructions to patients, printing, saving test results, and maintenance of the instrument will be emphasized. Solutions to common field testing obstacles will be discussed. Participants will also learn a basic understanding of how to read the visual field printout for the purpose of obtaining a reliable patient test. The newest software in guided progression analysis will be introduced.

Objectives:

1. Understand clinical applications for perimetry testing.
2. Recognize various testing strategies (screening vs. threshold, SITA Standard vs. SITA Fast).
3. Appreciate the importance of the technician's role for reliable test results.
4. Understand how to read the test printout.

33A, 33E. Immersion A-scan | **Tina Campbell, COT**

This hands-on workshop will review common settings for A-Scan biometry and will discuss A-Scan echo pattern recognition and interpretation. It will review the concepts of gain, gates, velocities and how they affect axial length measurements.

**Attendees will be expected to participate in the role of both patient and examiner during the class.*

Objectives:

1. Discuss the basic operation of A-Scan biometry.
2. Explain how to evaluate scan quality.

34A, 31E. Clinical Applications of the Spectralis OCT | **Amanda Bye,** *Heidelberg Engineering, Inc.*

This course will discuss clinical applications of the Spectralis OCT, review proper operation of the instrument and how to read more advanced analysis options. The class will include both hands-on instruction and explain and demonstrate the scan modes, analysis tools and techniques needed to produce high quality scans.

Objectives:

1. Discuss clinical applications of the Spectralis OCT.
2. Understand scan modes, analysis tools and techniques used to obtain high quality scans.

31B, 34F. Non-Mydriatic Fundus Photography | **Kellie Godlesky,** *Nidek*

This hands-on workshop will review the basics of fundus photography using a non-mydriatic fundus camera provided by Nidek. It will discuss the purpose of photography including the clinical applications and basic trouble-shooting techniques.

Objectives:

1. Describe the clinical applications of fundus photography.
2. Understand basic trouble-shooting techniques.

32B, 32E. Cirrus HD-OCT: Best Practices and an Introduction to AngioPlex | **Connie Demarse, CCOA,** *Carl Zeiss Meditec*

This course will discuss clinical applications of Cirrus OCT, review proper operation of the instrument and how to read more advanced analysis options. The course will focus on basic and advanced operator techniques and how to overcome difficult obstacles. It will also review the latest advancements in Cirrus OCT capabilities.

Objectives:

1. Discuss clinical applications of Cirrus OCT.
2. Understand how to operate the Cirrus OCT in difficult situations.
3. Understand how to read the more advanced printout options of Cirrus OCT.
4. Recognize new Cirrus OCT capabilities including AngioPlex and Anterior Segment measuring tools.

33B. Slit Lamp Examination Techniques | **Parisa Taravati, MD**

This lecture and hands-on workshop will demonstrate techniques such as sclerotic scatter, direct and indirect focal illumination, specular reflection and narrow- vs. wide-beam illumination. Participants will have the opportunity to practice these techniques as they perform slit lamp examinations on each other.

Objectives:

1. Identify the techniques used in a slit lamp examination.
2. Demonstrate the correct use of each technique.

34B, 34D. Manual Keratometry | **Stephen Carow, COMT, OCS**

This hands-on session will provide practical instruction and experience in the use of the manual keratometer. Tips will be given to help the technician as well as step-by-step tools in the skill process.

Objectives:

1. Define the uses of manual keratometry.
2. Explain the techniques used to perform manual keratometry.

Workshop Descriptions *(continued)*

31C, 34E. LENSTAR Optical Biometry: Best Practices | Tom Fisher, *Haag-Streit*

This hands-on workshop will provide an in-depth overview of the Haag-Streit LENSTAR including a demonstration of how to best obtain biometry measurements, including axial length, keratometry, corneal thickness, anterior chamber depth, lens thickness, white-to-white measurements, pupilometry and eccentricity of the visual axis. The course will also include information on the newest IOL formulas available and circumstances that dictate which are best for particular eyes along with tips on obtaining quality measurements on difficult patients, including those who are post-refractive surgery.

Objectives:

1. Demonstrate best practices of the LENSTAR and identify ways to obtain quality measurements on difficult patients.
2. Discuss the appropriate validation criteria to use in evaluating obtained measurements.

32C, 32F. IOL Master: Best Practices and an Introduction to Swept Source Biometry | Connie Demarse, CCOA, *Carl Zeiss Meditec*

This course will review basic swept source biometry technology. It will include review of operator technique, how to ensure reliable measurements and how to troubleshoot common obstacles. An IOLMaster 700 instrument will be available for hands-on practice. IOL power calculation and formula capabilities will also be discussed.

Objectives:

1. Discuss clinical applications of swept source biometry.
2. Acquire measurements with the new IOLMaster 700.
3. Understand how to calculate IOL power on the IOLMaster 700.

33C. Basic Ocular Motility | Claire Callaghan, CO, COMT

This interactive, hands-on workshop will provide an introduction to and discuss the assessment methods for the basic evaluation of ocular motility and binocularity.

Objectives:

1. Understand and test normal ocular motility.
2. Be able to assess ocular movements.

34C, 31F. Manual Lensometry | Stephen Carow, COMT, OCS

This hands-on session will provide practical instruction and experience in the use of the manual lensometer. Tips will be given to help the technician as well as step-by-step tools in the skill process.

Objectives:

1. Define the uses of manual lensometry.
2. Explain the techniques used to perform manual lensometry.

31D. Soft Contact Lens Fitting | Bill Kilgore, LDO, NCLEC, COA

This hands-on workshop will map out soft contact lens fitting basics. A review of lensometry, slit lamp evaluation of soft contact lenses, vertex conversion and initial base curve selection will be given. Patient needs and expectations regarding contact lenses will also be discussed.

Objectives:

1. Explain how to perform a basic soft contact lens fitting.
2. Define patient needs and expectations for contact lens wear.

32D. Retinoscopy: Theory and Technique | Nathan Jordan, MD

This course will provide an overview of the ins and outs of the retinoscope, including proper technique and its value and application in the clinic. The theory of retinoscopy includes the working distance, location of the far point, and the movement of the far point when changing lenses. The various phenomenon in locating the correct cylinder axis will also be presented.

Objectives:

1. Understand the theory behind retinoscopy.
2. Explain the techniques used to perform retinoscopy.

33D. Intermediate/Advanced Ocular Motility | Claire Callaghan, CO, COMT

This interactive workshop will review and discuss the assessment methods for intermediate to advanced evaluation of ocular motility and binocularity.

Objectives:

1. Understand and test strabismus.
2. Identify the different types of strabismus.

33F. Anterior Segment Tomography with the OCULUS Pentacam | Chris Flaherty, *Oculus*

This course will cover best practices for acquiring images, evaluating scan quality, and basic interpretation of the measurements and maps produced by the Pentacam. The course will focus on the practical applications of the Pentacam related to cataract surgery, refractive surgery, and general screening. The class will include lecture and hands-on instruction.

Objectives:

1. Describe the techniques to acquire and evaluate quality of anterior segment tomography data.
2. Basic understanding of the measurements and maps produced by the Pentacam.

Notes

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WASHINGTON ACADEMY OF EYE PHYSICIANS & SURGEONS

WAEPS Ophthalmic Medical Personnel Program

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