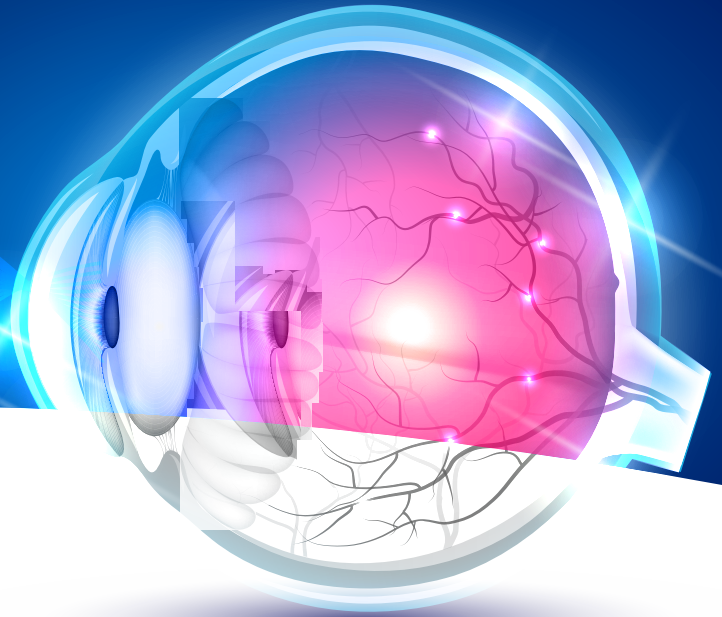


WASHINGTON  
ACADEMY OF  
EYE PHYSICIANS  
& SURGEONS



# Ophthalmic Medical Personnel Program

**March 10, 2023**

**The Meydenbauer Center**  
Bellevue, Washington

# Welcome to the 2023 WAEPS Ophthalmic Medical Personnel Program!

**W**AEPS is excited to present this one of a kind opportunity to expand your knowledge, grow your clinical skill set and advance your career at one of the most prestigious continuing education programs in the country!

## Get Connected, Inspired and Prepared

- Join your fellow colleagues from across the Pacific Northwest to learn about the latest trends and advances in ophthalmology through **24 unique lectures** presented by our faculty of highly skilled and dedicated ophthalmologists from the best healthcare centers in the region, including:
  - University of Washington
  - Swedish Health
  - Virginia Mason Medical Center
  - Casey Eye Institute
  - Seattle Children's Hospital
  - And many more!



- Take advantage of hands-on, interactive learning through **24 clinical workshops** provided by the best clinical application specialists in the industry, including our hugely popular **Eye Anatomy and Dissection** class!



## Enjoy All \*New\* Courses

- iGlaucoma: The Latest Innovations in Glaucoma Therapy
- Premium IOL Update 2023
- Mystery FA: Advanced Retinal FA Diagnosis
- Killer Pediatric Eye Disease
- And many more!

## Meet the Experts

- WAEPS is pleased to welcome back Matthew Parker, PhD, LSSMBB, COMT, CST, OSC, as part of our faculty this year! Dr. Parker has over 30 years experience as a nationally recognized ophthalmic instructor and trainer so don't miss this unique opportunity to hear Dr. Parker **in person** present three dynamic courses:
  - Ocular Motility: Let's Get Moving!
  - Take a Picture! It Will Last Longer
  - Ocular Tele-Health: Ready or Not!



## Relax and Rejuvenate

Relax in-between courses and enjoy a spacious layout, efficient and courteous staff, energizing continental breakfast, delicious buffet lunch, hor d'oeuvres and many other amenities provided for your comfort and ease while you attend the program at the **Meydenbauer Convention Center** in Bellevue!

Classes fill up quickly, so be sure to register early to secure your preferred courses. And don't forget to take advantage of the **early bird discount** that is available until **February 10th!**



We hope that you will not miss out on this **premier event** in eye care education for the Pacific Northwest! We look forward to seeing you there with your friends and colleagues on **March 10th!**

## Anndrea Grant, COMT, OSC

WAEPS Ophthalmic Medical Personnel Program Chair  
*Northwest Eye Surgeons*

## 2023 LECTURE SCHEDULE

### LECTURE SPEAKER

8:30 – 9:30	<b>1</b> <b>Inflammatory Corneal Diseases</b> ▸ Kaidi Wang, MD	<b>2</b> <b>Pharmacology Update 2023</b> ▸ Martha Leen, MD and Paul Kremer, MD	<b>3</b> <b>Take a Picture! It Will Last Longer</b> ▸ Matthew Parker, PhD, LSSMBB, PMP, CTC, COMT (F)ATPO	<b>4</b> <b>Introduction to Refractive Surgery</b> ▸ Matt Ricci, MD
9:40 – 10:40	<b>5</b> <b>Lessons Learned from Cataract Surgery</b> ▸ Dan Briceland, MD and Jane Mock, CPHRM	<b>6</b> <b>Mystery FA: Advanced Retinal FA Diagnosis</b> ▸ Amy Yuan, MD	<b>7</b> <b>Thing 1 and Thing 2: Scleritis and Episcleritis</b> ▸ Stephanie Cramer, MD	<b>8</b> <b>A Practical Approach to Ocular Trauma</b> ▸ Yewlin Chee, MD
10:50 – 11:50	<b>9</b> <b>When Cataract Meets Glaucoma</b> ▸ Andrew Chen, MD	<b>10</b> <b>Ocular Motility: Let's Get Moving!</b> ▸ Matthew Parker, PhD, LSSMBB, CTC, COMT, (F)ATPO	<b>11</b> <b>Premium IOL Update 2023</b> ▸ Natalia Bajenova, MD	<b>12</b> <b>Beginner's Bscan: A Guide to Basic Screening</b> ▸ Todd Klesert, MD
11:50 – 1:00	<b>LUNCH</b>			
1:10 – 2:10	<b>13</b> <b>iGlaucoma: The Latest Innovations in Glaucoma Therapy Pt 1</b> ▸ John Samples, MD	<b>14</b> <b>Neuro-Ophthalmic Emergencies</b> ▸ Steve Hamilton, MD	<b>15</b> <b>Surgical Retina: Concepts and Lingo</b> ▸ Jack Tian, MD	<b>16</b> <b>Ocular Tele-Health: Ready or Not!</b> ▸ Matthew Parker, PhD, LSSMBB, COMT, CST, OSC
2:20 – 3:20	<b>17</b> <b>iGlaucoma: The Latest Innovations in Glaucoma Therapy Pt 2</b> ▸ John Samples, MD	<b>18</b> <b>Principles of Optics</b> ▸ Ben Kuhar, MD	<b>19</b> <b>Medical Missions in Ophthalmology</b> ▸ Mike Brush, MD	<b>20</b> <b>Ocular Trauma and Eye Emergencies</b> ▸ Shannon Robinson, MD
3:30 – 4:30	<b>21</b> <b>A Clinician's Guide to Prosthetic Eyes</b> ▸ Todd Cranmore and Tawnya Cranmore	<b>22</b> <b>Orbital Disorders</b> ▸ Peter Kally, MD	<b>23</b> <b>Overview of Diabetic Eye Disease</b> ▸ Lucy Yuan, MD	<b>24</b> <b>Killer Pediatric Eye Disease</b> ▸ Michelle (Mimi) Trager Cabrera, MD

# WAEPS 2023 Lecture Descriptions

- 01 Inflammatory Corneal Diseases** | Kaidi Wang, MD  
Unraveling corneal inflammatory disorders: What are they, how do you treat them, and what should the technician know?
- 02 Pharmacology Update 2023** |  
**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.
- 03 Take a Picture! It Will Last Longer** |  
**Matthew Parker, PhD, LSSMBB, PMP, CTC, COMT (F) ATPO**  
In most instances in our lives, we quickly record exciting things with our cell phones in the case of a vehicle accident or meeting a celebrity. External, anterior segment and posterior segment imagery will be presented in relationship with capturing the right anatomy. Diagnosis is extremely important, but accuracy and beauty are what you want to achieve. The lecture will introduce the subject, fixation, lighting, timing, and an overview of each attribute of great eye photography.
- 04 Introduction to Refractive Surgery** | **Matt Ricci, MD**  
This course will review types of refractive error, the surgical correction of refractive error, and common risks, benefits and alternatives to refractive surgery. Learners will have a better understanding of the surgical options to correct refractive errors, how to evaluate a patient for refractive surgery, and what patient characteristics influence the choice of refractive procedure.
- 05 Lessons Learned from Cataract Surgery** |  
**Dan Briceland, MD and Jane Mock, CPHRM**  
This course will address the ways in which problematic management of cataract surgery patients can create patient safety risks and liability exposure for physicians and their practices. Learners will identify risk management methods to improve patient outcomes and reduce professional liability exposure, specifically implementing practice protocols; managing patient expectations; engaging in the informed consent process; ensuring timely documentation of care and communication; and responding appropriately to patient care needs.
- 06 Mystery FA: Advanced Retinal FA Diagnosis** |  
**Amy Yuan, MD**  
In this course fluorescein angiography (FA) images from a diverse set of “unknown” retinal conditions will be presented without any additional information. The course instructor will then systematically review the anatomy and pathology shown and lead attendees in the development of differential diagnoses based exclusively on the FA images. Multimodal imaging and clinical history will then be provided and the confirmed diagnosis will be discussed. At the conclusion of this course, the attendee will be able to appreciate the wealth of information that is available from the careful and methodical analysis of FA data, and to understand the systematic interpretation of FA images to improve diagnostic acumen.
- 07 Thing 1 and Thing 2: Scleritis and Episcleritis** |  
**Stephanie Cramer, MD**  
This course will review the epidemiology, diagnosis and ophthalmic complications of episcleritis and anterior, necrotizing and posterior scleritis. The wide array of systemic disease that may be associated with scleritis will be discussed, as well as the appropriate and efficient history and systemic workup. Treatment algorithms will be presented, including medication selection, proper dosing, safety monitoring and timing the switch from one treatment modality to another.
- 08 A Practical Approach to Ocular Trauma** |  
**Yewlin Chee, MD**  
This course will present a practical, step-by-step approach to the patient with ocular trauma. Different types of trauma will be highlighted based on the location of the injury in and around the eye. Using multiple clinical examples, the work-up of the ocular trauma patient will be discussed as well as how to identify true ophthalmic emergencies.
- 09 When Cataract Meets Glaucoma** | **Andrew Chen, MD**  
This course will cover the IOP-lowering effects of cataract surgery and the pros and cons of combined procedures in the MIGS era in patients with glaucoma, including pseudoexfoliation and angle closure. The role of premium IOLs in improving functional visual outcomes in patients will also be discussed, as well as pearls of post-operative care in patients with cataract and glaucoma to ensure adequate functional outcomes.



## WAEPS 2023 Lecture Descriptions *(continued)*

- 10 Ocular Motility: Let's Get Moving!** | Matthew Parker, PhD, LSSMBB, PMP, CTC, COMT (F)ATPO  
I have always felt that ocular motility testing is like aerobics. The examiner must become conditioned to good mobility (motility) and recognize which muscles are not functioning to visual expectations. In order to evaluate, one must get moving. In addition to the basic overview of extraocular muscles and nerve innervations, this course will discuss peripheral, central, and deficits in ocular diplopia, palsy, and eye instabilities.
- 11 Premium IOL Update 2023** | Natalia Bajenova, MD  
This course will update learners on the advances in premium intraocular lens (IOL) technology for 2023, including pros and cons, patient selection and lens counseling. This course will also review new lens technology currently being investigated both in the US and abroad and the new IOL options that patients may have in the near future.
- 12 Beginner's Bscan: A Guide to Basic Screening** | Todd Klesert, MD  
This course will introduce beginners to the basic principles of ultrasound, probe positioning, terminology and screening techniques for a diagnostic B-scan examination of the eye. We will discuss tips and pearls for acquiring useful Bscans and explain the interpretation of the results. Common pathologies that affect the retina will be discussed and case examples will be shown.
- 13 iGlaucoma: The Latest Innovations in Glaucoma Therapy-Pt 1** | John Samples, MD  
The field of glaucoma is currently experiencing an expansive period of clinical innovation, with new diagnostic, medical, laser and surgical treatments becoming available within the past year. This session is part 1 of a 2 part course that will discuss (1) new therapies that have a range of mechanisms of action; (2) delivery mechanisms for glaucoma medicines that are currently in the final stage of clinical testing with promising results and; (3) laser and surgical treatments that have improved safety profiles and ease of use.
- 14 Neuro-Ophthalmic Emergencies** | Steve Hamilton, MD  
The speaker will use challenging cases that illustrate how to differentiate pseudo emergencies from true neuro-ophthalmic emergencies that warrant immediate intervention. Appropriate work up for each true neuro-ophthalmic emergency will be succinctly outlined for the participants.
- 15 Surgical Retina: Concepts and Lingo** | Jack Tian, MD  
This course will review the current surgical techniques available to manage retinal detachment, epiretinal membrane, macular hole and non-clearing vitreous hemorrhage. We will describe the pathophysiology, surgical treatment options and post-operative recommendations for each condition. The course will also define the medical vernacular commonly used by retinal surgeons when these conditions are addressed.
- 16 Ocular Tele-Health: Ready or Not!** | Matthew Parker, PhD, LSSMBB, PMP, CTC, COMT (F)ATPO  
The course highlights the reality humans worldwide faced in introducing COVID-19 and the recovery commitment processes that Ophthalmology implemented to prevent blindness. Many discoveries were made and advancements in eyecare prevailed with technology-based opportunities that changed eye care internationally.
- 17 iGlaucoma: The Latest Innovations in Glaucoma Therapy-Pt 2** | John Samples, MD  
This session is part 2 of the Innovations in Glaucoma course. This course will discuss (1) new therapies that have a range of mechanisms of action, (2) delivery mechanisms for glaucoma medicines that are currently in the final stage of clinical testing with promising results and (3) laser and surgical treatments that have improved safety profiles and ease of use.
- 18 Principles of Optics** | Ben Kuhar, DO  
This course will review the principles of geometric optics and relate these to the exam tools and techniques used in the clinical setting. Learners will have a better appreciation for concepts like vergence, near and far points of focus, as well as the function of prisms, mirrors and lenses—including their practical use in the clinical setting.
- 19 Medical Missions in Ophthalmology** | Mike Brush, MD  
This course will highlight Dr. Brush's experiences working with the Himalayan Cataract Project, both in high-volume cataract outreach camps using Manual Small Incision Extracapsular techniques and in surgical training of phacoemulsification. By outlining the challenges faced while delivering ophthalmic care in sub-optimal conditions, the attendee will gain a greater understanding of how to apply ophthalmic skills outside of the normal clinical environment. Prepare to be moved and inspired by the photos and personal stories from patients that he will share.

## WAEPS 2023 Lecture Descriptions *(continued)*

**20 Ocular Trauma and Eye Emergencies | Shannon Robinson, MD**

This course will review common types of ocular trauma, the evaluation and management of ocular trauma, as well as the approach to other common eye emergencies. Learners will recognize the most common traumatic injuries to the eye and adnexa, how to evaluate and stabilize patients experiencing ocular trauma, and learn ways to manage ocular trauma and other common eye emergencies.

**21 A Clinician's Guide to Prosthetic Eyes | Todd Cranmore and Tawnya Cranmore**

This presentation will focus on common pathways to eye loss, who can wear a prosthetic eye, how prosthetic eyes are made and how to care for patients with a prosthetic eye. We will follow a patient through the whole process and look at a few individual case studies. There will be lots of photos and hands-on examples. In the end, one will have a better understanding of the process and restoration the prosthetic patients undergo, as well as how to better care for these patients and their prosthetics.

**22 Orbital Disorders | Peter Kally, MD**

This course will discuss the common orbital disorders that present in an ophthalmology clinic. We will provide a thorough review of the various workup techniques to be employed as well as a detailed description of the management and treatment options currently available for orbital disorders.

**23 Overview of Diabetic Eye Disease | Lucy Yuan, MD**

This course will review diabetic eye disease, current research in diabetic eye disease, as well as current treatments for diabetic retinopathy. Learners will have a better understanding of the pathophysiology of diabetes and its impact on the eye, an understanding of the developments in research, and insight into the role for medical and surgical treatments of diabetic eye disease.

**24 Killer Pediatric Eye Disease | Michelle (Mimi) Trager Cabrera, MD**

There aren't many pediatric eye diseases that can kill the patient, but we want to pay attention to those that can. Participants will get familiar with some of the pediatric eye diseases that are dangerous to kids and can't be missed. Participants will learn how to recognize, triage, and workup these conditions.

## WAEPS 2023 Acknowledgments

WAEPS expresses sincere appreciation to all our corporate sponsors, vendors and equipment companies for their ongoing support and generous loan of instruments to be used in the workshops.

### Special Thanks to our Corporate Sponsors and Equipment Companies:

- Carl Zeiss Meditec
- Oculus
- Heidelberg Engineering
- Northwest Eye Surgeons
- Retina Consultants of Seattle
- Madigan Army Medical Center

## 2023 WORKSHOP SCHEDULE

### WORKSHOP INSTRUCTOR

8:30 – 9:30	<b>25</b> <b>Pentacam: Clinical Applications for Cataract Surgery</b> ▶ Matthew Carver	<b>26</b> <b>Cirrus HD-OCT: Best Practices</b> ▶ Connie McKeehen, CCOA	<b>27</b> <b>Slit Lamp Examination Techniques</b> ▶ Aaron Dahlin, DO	<b>28</b> <b>Anatomy and Dissection of the Eye</b> ▶ Carson Clabeaux, DO and Keely Winget, COA
9:40 – 10:40	<b>29</b> <b>IOL Master 700: Best Practices</b> ▶ Connie McKeehen, CCOA	<b>30</b> <b>Manual Lensometry</b> ▶ Stephen Carow, COMT, OCS and Danny Wilkens	<b>31</b> <b>Clinical Applications of the Spectralis OCT</b> ▶ Cindy Armstrong, COMT	<b>32</b> <b>Anatomy and Dissection of the Eye</b> ▶ Carson Clabeaux, DO and Keely Winget, COA
10:50 – 11:50	<b>33</b> <b>Manual Keratometry</b> ▶ Stephen Carow, COMT, OCS and Shane Workman, COMT	<b>34</b> <b>Basic Ocular Motility</b> ▶ Claire Callaghan, CO, COMT	<b>35</b> <b>Slit Lamp Examination Techniques</b> ▶ Aaron Dahlin, DO	<b>36</b> <b>Lenstar: Best Practices</b> ▶ Christopher Dawson-Charles
11:50 – 1:00	<b>LUNCH</b>			
1:10 – 2:10	<b>37</b> <b>Intermediate/Advanced Ocular Motility</b> ▶ Claire Callaghan, CO, COMT	<b>38</b> <b>Manual Lensometry</b> ▶ Stephen Carow, COMT, OCS and Danny Wilkens	<b>39</b> <b>Slit Lamp Examination Techniques</b> ▶ Aaron Dahlin, DO	<b>40</b> <b>Anatomy and Dissection of the Eye</b> ▶ Carson Clabeaux, DO and Keely Winget, COA
2:20 – 3:20	<b>41</b> <b>Cirrus HD-OCT: Best Practices</b> ▶ Connie McKeehen, CCOA	<b>42</b> <b>Clinical Applications of the Spectralis OCT</b> ▶ Cindy Armstrong, COMT	<b>43</b> <b>Manual Keratometry</b> ▶ Stephen Carow, COMT, OCS and Shane Workman, COMT	<b>44</b> <b>Anatomy and Dissection of the Eye</b> ▶ Carson Clabeaux, DO and Keely Winget, COA
3:30 – 4:30	<b>45</b> <b>Pentacam: Clinical Applications for Cornea and Refractive Surgery</b> ▶ Matthew Carver	<b>46</b> <b>IOL Master 700: Best Practices</b> ▶ Connie McKeehen, CCOA	<b>47</b> <b>Slit Lamp Examination Techniques</b> ▶ Aaron Dahlin, DO	<b>48</b> <b>Lenstar: Best Practices</b> ▶ Christopher Dawson-Charles

# WAEPS 2023 Workshop Descriptions

## 25 **Pentacam: Clinical Applications for Cataract Surgery** | **Matthew Carver**

This course will cover the basic principles of Scheimpflug imaging technology, image acquisition, optical biometry, and clinical applications for cataract surgery and IOL calculation. The class will include both hands-on instruction and lecture. Upon completion of this workshop, participants should be able to understand the basic principles of Scheimpflug imaging technology and optical biometry, acquire images with the Pentacam, evaluate image and measurement quality and interpret maps and measurements pertinent to cataract surgery and IOL calculations.

## 26, 41 **Cirrus HD-OCT: Best Practices** | **Connie McKeehen, CCOA**

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.

## 27, 35, 39, 47 **Slit Lamp Examination Techniques** | **Aaron Dahlin, DO**

This lecture and hands-on workshop will demonstrate slit lamp techniques. Participants will have the opportunity to practice these techniques as they perform slit lamp examinations on each other. Upon completion of this course, participants should be able to identify the techniques used in a slit lamp examination and demonstrate the correct use of each technique.

## 28, 32, 40, 44 **Anatomy and Dissection of the Eye** | **Carson Clabeaux, DO and Keely Winget, COA**

This hands-on workshop will begin with a brief discussion of the anatomy and physiology of the eye including the cornea, iris, ciliary body, zonular apparatus, crystalline lens, vitreous body, retina, choroid and sclera. Following the discussion, participants will perform a guided step-by-step dissection of a pig's eyeball.

## 29, 46 **IOL Master 700: Best Practices** | **Connie McKeehen, CCOA**

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.

## 30, 38 **Manual Lensometry** |

**Stephen Carow, COMT, OCS and Danny Wilkens**  
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.

## 31, 42 **Clinical Applications of the Spectralis OCT** | **Cindy Armstrong, COMT**

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.

## 33, 43 **Manual Keratometry** | **Stephen Carow, COMT, OCS and Shane Workman, COMT**

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.

## 34 **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.

## 36, 48 **Clinical Applications of LENSTAR Optical Biometry** | **Christopher Dawson-Charles**

This course will demonstrate and teach the clinical applications of the LENSTAR optical biometer. This hands-on workshop will cover the following: proper operator techniques; the data analysis process and standard deviations; IOL calculations and formulae; detailed overview of the optional Toric Surgical Planner; IOL constant optimization and RBF export; IOL entry and surgeon template building.

## 37 **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.

## 45 **Clinical Applications of the Pentacam for Cornea and Refractive Surgery** | **Matthew Carver**

This course will cover the basic principles of Scheimpflug imaging technology, best practices for operation of the Pentacam system, and applications for corneal evaluation and refractive surgery. The class will include both a lecture and hands-on instruction.