2022 WOA
Advanced Procedures Course

November 10-11 — Lumps and Bumps
November 12-13 — Laser Course

Ingleside Hotel
Waukesha, WI
Who: Wisconsin Optometrists
What: 2022 WOA Advanced Procedures Course - Lumps and Bumps and Laser Procedures
When: November 10-13, 2022
Where: Ingleside Hotel, Waukesha, WI

The Wisconsin Optometric Association education committee is excited to offer the Advanced Procedure Course from the expert faculty at the Northeastern State University College of Optometry again in 2022. The event will be held at the Ingleside Hotel in Waukesha (formerly the Country Springs Hotel). Attendees will have the opportunity to take the full 32 hour course that includes 16 hours on Lumps and Bumps and 16 hours on Lasers or take one of the 16 hour courses (neither 16 hour course is a requirement/prerequisite for the other).

**Limited Seats Available:**
The event is limited to 50 total registrants (to ensure quality hands on experiences) in either part of the course. We will have 20 spots reserved for those that want to take the full 32 hours and 30 spots available in each 16 hour course for those only interested in one or the other.

**Minimum Number of Registrations Needed by June 1st:**
In addition to the maximum number of registrants allowed, we must also meet a minimum number of attendees for each section (30 doctors) in order to move forward with a section. This is due to contractual requirements for bringing in the program. This minimum number of registrations must be met by June 1st in order to move forward with the course. If we do not meet the needed minimum registrations for either section, all payments will be refunded. We are not able to offer partial registration in the form of picking and choosing individual classes for the event due to the contract we have with the CE providers.

**Cost for Course:**

<table>
<thead>
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<th>Seats Available</th>
<th>32 Hour Course</th>
<th>16 Hour Lumps and Bumps</th>
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**Registration Process:**
**Deposit Option:** Given that this event is different in many ways than our usual CE events, we are offering doctors the ability to pay a 50% deposit with their initial registration. The remaining balance will be due by August 15th. You may also pay for the event in full with your initial registration.

**Partial Registration:** We are unable to offer “partial” registration for the event where people can pick and choose classes. Doctors have the ability to take the full 32 hours or either of the 16 hour courses only. This is due to the limited enrollment and contractual requirements.

**How to submit registrations:** To register for this event, please complete the last page of this packet (pg. 9 “Registration Form”). Completed forms should be sent, with payment, via email to joleen@woa-eyes.org or via fax to 608-824-2205. Registrations and payment may also be mailed to WOA, 6510 Grand Teton Plaza Suite 312, Madison, WI 53719. Unfortunately, we are unable to offer online registration for this event due to the deposit option.

**Refunds:**
Refunds will only be available if the WOA cancels a section of or the whole course.
CE Approval Information:
- 32 hours of COPE and Wisconsin Optometry Examining Board-approved education. COPE approvals are currently pending. If you are only taking one of the sessions, you will receive credit for 16 hours.
- Those who complete the Laser Course and pass the exam at the conclusion of the course will receive a certificate noting that achievement from Northeastern University. The passage of the post course exam is not required in order to receive the 16 hours of CE credit.

Hotel Information:
There is a room block set aside at the Ingleside Hotel in Pewaukee with a rate of $119 per night for a regular room Wednesday - Saturday nights, or $159 per night for a room that includes waterpark access for Wednesday - Saturday. Call the hotel directly at 1-262-547-0201 and ask for the 2022 WOA Advanced Procedure Course block. The room block will be released Tuesday, October 11, 2022. Group rates are not guaranteed after that date. All reservations require a deposit via credit card for one night stay per room.

Speakers:
- Richard Castillo, O.D., D.O., Assistant Dean and Chief of the Ophthalmic Surgery Service - Northeastern State University, Tahlequah, OK
- Nathan Lighthizer, O.D., FAAO, Chief of Specialty Care Clinics and Chief of Electrodiagnostics Clinic - Northeastern State University, Tahlequah, OK
- Douglas K. Penisten, O.D., Ph.D., Professor and Dean at Oklahoma College of Optometry at Northeastern State University, Tahlequah, OK
- Jeff Miller, O.D., Professor of Optometry and Director of Glaucoma Clinic and Clinical Education Coordinator at Northeastern State University College of Optometry, Tahlequah, OK

Course Content:
This course is a continuing education opportunity designed to build on the outstanding education optometrists receive during optometry school and residency. It will provide doctors with the opportunity to increase their training and knowledge regarding optometric surgical procedures.

16 Hour Lumps and Bumps Topics:
- Ophthalmic Surgical Instruments
- Review of Surgical Anatomy of the Face
- Review of Eyelid Anatomy & Eyelid Lesions
- Radio Frequency Surgery in Optometric Practice
- Office Based Local Anesthesia
- Oculofacial Surgical Asepsis
- Introduction to Oculofacial Biopsy
- Chalazion Management
- Video Grand Rounds
- Intro to Suturing
- Suturing Techniques Lab
- Lab Rotations: Injection Techniques, Radiosurgical Techniques, Oculofacial Biopsy

16 hour Laser Course Topics:
- Laser Physics, Hazards & Safety
- Laser Tissue Interactions
- Clinical Workshops: Intro to Therapeutics Lasers
- Gonioscopy: How to Interpret What you
- Laser Therapy for the Open Angle Glaucomas: ALT & SLT
- Laser Therapy Angle Closure
- Laser Capsulotomy Technique
- Anterior Segment Laser Complications
- Medicolegal Aspects of Anterior Segment Laser Procedures: Panel Discussion
Thursday, November 10

1:00 p.m. - 2:00 p.m.
*Registration*
Ballroom Foyer

**Basic Surgical Concepts Courses**
COPE ID: 76248-SP
Category: Surgery Procedures (Optometric)
Total CE Hours: 4.00 (COPE Pending)

The following courses will introduce optometric surgical education, and the six areas of competency expected of surgical trainees. The concepts of surgical incision making and the properties of tissues that aid or hinder, surgical asepsis and OSHA regulations, basic instrumentation, sterilization, surgical anatomy, and common benign and malignant lesions of the lids and periocular tissues will be reviewed.

2:00 p.m. - 2:55 p.m.
*“Intro to Optometric Surgery and Ophthalmic Surgical Instruments”*
Richard Castillo, O.D., D.O.
Lake Country Ballroom South1/3

2:55 p.m. - 3:50 p.m.
*“Review of Surgical Anatomy of the Face”*
Richard Castillo, O.D., D.O.
Lake Country Ballroom South1/3

3:50 p.m. - 4:00 p.m.
*Break*

4:00 p.m. - 4:50 p.m.
*“Oculofacial Surgical Asepsis”*
Richard Castillo, O.D., D.O.
Lake Country Ballroom South1/3

4:50 p.m. - 5:50 p.m.
*“Review of Eyelid Anatomy & Eyelid Lesions”*
Nathan Lighthizer, O.D., F.A.A.O
Lake Country Ballroom South1/3

5:50 p.m. - 6:30 p.m.
*Dinner*
Lake Country Ballroom South1/3

**Essential Surgical Skills Courses**
COPE#: 76254-SP
Category: Surgery Procedures (Optometric)
Total CE Hours: 4.00 (COPE Pending)

The following courses will provide an introduction to the basic skill sets required for office-based surgical procedures. Presentations and discussion will center around selection, preparation and techniques of infiltrative anesthesia along with management of anesthesia-related complications, mechanical and radioablative lesion removal, and biopsy, tissue handling and histopathological submission, surgical instrumentation and surgical closures including suture and needle selection and basic suturing technique will be presented. Radiosurgical theory and techniques, and the value of this technology in optometric surgical practice will also be presented.

6:30 p.m. - 7:20 p.m.
*“Office-based Local Anesthesia”*
Richard Castillo, O.D., D.O.
Lake Country Ballroom South1/3

7:20 p.m. - 8:10 p.m.
*“Radio Frequency Surgery in Optometric Practice”*
Nathan Lighthizer, O.D., F.A.A.O
Lake Country Ballroom South1/3

8:10 p.m. - 8:20 p.m.
*Break*

8:20 p.m. - 9:10 p.m.
*“Introduction to Oculofacial Biopsy”*
Richard Castillo, O.D., D.O.
Lake Country Ballroom South1/3

The final hour of this 4 hour block will be at 8:00 a.m. Friday.

Friday, November 11

7:15 a.m. - 8:00 a.m.
*Continental Breakfast*
Oakton Ballroom

8:00 a.m. - 8:50 a.m.
*“Chalazion Management”*
Nathan Lighthizer, O.D., F.A.A.O
Oakton Ballroom

8:50 a.m. - 9:00 a.m.
*Break*

**Office-Based Procedures Video Grand Rounds**
COPE ID: 73325-SP
Category: Surgery Procedures (Optometric)
Total CE Hours: 4.00 (COPE Pending)
Friday, November 11

A video based 4-hour Grand Rounds-style introduction to optometric office-based surgery. Discussion will center on common in-office surgical procedures performed in the primary eye care setting including dermatologic excisions, biopsies, lacrimal procedures, and office-oculoplastics for lid malpositions. Techniques will be demonstrated and analyzed by a panel of the respective practitioners, consisting of an ophthalmologist and an optometric surgeon. Attendees are welcome to bring their own video cases for presentation in a Grand Rounds-style format.

9:00 a.m. - 12:30 p.m.
“Office Based Procedures Video Grand Rounds”
Richard Castillo, O.D., D.O.
Nathan Lighthizer, O.D.
Oakton Ballroom

10:30 a.m. - 10:40 a.m.
Break

12:30 p.m. - 1:00 p.m.
Lunch
Oakton Ballroom/Foyer

1:00 p.m. - 1:50 p.m.
“Intrro to Suturing”
Richard Castillo, O.D., D.O.
Oakton Ballroom

Hands-On To Minor Surgical Procedures Workshop Based Presentations
COPE #: 76251-SP
Category: Surgery Procedures (Optometric)
Total CE Hours: 4.00 (COPE Pending)

This four hour session is a workshop based course consisting of four stations. Each station will require the attendee to successfully perform the skills and techniques required to provide minor surgical procedures in the primary care optometric practice. Videos and powerpoint slides will be used during the workshop to assist the learning process.

1:50 p.m.—2:50 p.m.
“Suture Techniques Lab”
Nathan Lighthizer, O.D., F.A.A.O &
Richard Castillo, O.D., D.O.
Douglas K. Penisten, O.D., Ph.D.
Jeff Miller, O.D.
Oakton Ballroom

2:50 p.m. - 3:00 p.m.
Break

3:00 p.m. - 6:00 p.m.
Lab Rotations

“Injection Techniques”
Douglas K. Penisten, O.D., Ph.D.
Jeff Miller, O.D.
Woodfield B, C, D

“Radiosurgical Techniques”
Nathan Lighthizer, O.D., F.A.A.O
Woodfield B, C, D

“Oculofacial Biopsy”
Richard Castillo, O.D., D.O.
Woodfield B, C, D
Saturday, Nov 12

7:00 a.m. - 8:00 a.m.
Registration
Ballroom Foyer

8:00 a.m. - 9:00 a.m.
“Laser Physics, Hazards, and Safety”
COPE#: 72718-LP
Category: Laser Procedures
Total CE Hours: 1.00 (Pending)
Douglas Penisten, O.D.
Lake Country Ballroom South 1/3

This course reviews the physics behind laser light, the main components of a laser, why lasers are useful for ophthalmic surgery, safety precautions when operating lasers, and hazards of laser operation.

9:00 a.m. - 10:00 a.m.
“Laser Tissue Interactions”
COPE ID: 72719-LP
Category: Laser Procedures
Total CE Hours: 1.00 (Pending)
Nathan Lighthizer, O.D.
Lake Country Ballroom South 1/3

Laser energy has been used by optometrists in certain states to treat numerous conditions for many years now. Knowing and understanding how laser energy interacts with ocular tissue is key to understanding how ocular lasers function. This interactive lecture will review tissue factors that affect laser interaction including pigmentation, transparency, and water content as well as laser characteristics that affect tissue interaction including wavelength, spot size and burn duration.

10:00 a.m. - 10:15 a.m.
Break

10:15 a.m. - 12:15 p.m.
“Clinical Workshop: Introduction to Therapeutic Lasers”
COPE#: 76250-LP
Category: Laser Procedures
Total CE Hours: 2.00 (Pending)
Nathan Lighthizer, O.D., Richard Castillo, O.D.,
Jeff Miller, O.D., Doug Penisten, O.D.
Woodland B, C, D

This two hour workshop based course provides attendees with information and experience necessary to begin performing anterior segment laser therapy procedures. This hands-on clinical workshop will review basic biophysics and tissue interactions of lasers, safety and hazard concerns, on operating information of various laser systems. Focusing mechanisms, laser setting variables and tips on patient management throughout the procedure will be discussed during the workshop. Each attendee will work with a YAG (photodisruption) and a Frequency Doubled YAG (photocoagulation).

12:15 p.m. - 1:15 p.m.
“Gonioscopy”
COPE ID: 72701-PD
Category: Principles of Diagnosis
Total CE Hours: 1.00 (Pending)
Douglas Penisten, O.D.
Lake Country Ballroom South 1/3

Gonioscopy is a technique that is an often-overlooked procedure when it comes to the importance of correctly diagnosing and managing certain glaucomatous and anterior segment conditions. This interactive one-hour lecture will review the history, anatomy and angle structures, technique, lenses, and grading systems that are most commonly used when performing gonioscopy.

1:15 p.m. - 2:00 p.m.
Lunch
Oakton Foyer/Lake Country Ballroom South 1/3

2:00 p.m. - 4:00 p.m.
“Laser Therapy for the Open Angle Glaucomas ALT SLT”
COPE ID: 72720-LP
Category: Laser Procedures
Total CE Hours: 2.00 (Pending)
Nathan Lighthizer, O.D.
Woodland B, C, D

The use of laser energy to treat open angle glaucoma has been used by optometric physicians in certain states for over a decade now. This interactive presentation will review and update these ophthalmic laser procedures.

4:00 p.m. - 5:00 p.m.
“Laser Therapy in Narrow Angle/Angle Closure”
COPE ID: 76249-LP
Category: Laser Procedures
Total CE Hours: 1.00 (Pending)
Jeffrey Miller, O.D.
Woodland B, C, D

A review of the anatomy and mechanisms of primary and secondary angle closure. A thorough discussion of laser procedures (primarily laser peripheral iridotomy) including laser settings and clinical approaches, pre- and post-operative care, and management of potential complications.
5:00 p.m. - 6:00 p.m.
“Laser Capsulotomy Technique”
COPE ID: 72721-LP
Category: Laser Procedures
Total CE Hours: 1.00 (Pending)
Nathan Lighthizer, O.D.
Woodland B, C, D

This course is an introductory course to the use of the yag laser for posterior lens opacification. The course reviews the necessity of the procedure, and walks the participant through both pre and post-operative care. The benefits as well as risk are reviewed in detail.

6:00 p.m. - 7:00 p.m.
“Anterior Segment Laser Complications”
COPE ID: 76252-LP
Category: Laser Procedures
Total CE Hours: 1.00 (Pending)
Instructor: Richard Castillo, O.D.
Woodland B, C, D

Common complications of anterior segment laser therapy along with management options will be presented and discussed.

7:00 p.m. - 8:00 p.m.
“Medico-legal Aspects of Anterior Segment Laser Procedures - A Panel Discussion”
COPE ID: 72722-LP
Category: Laser Procedures
Total CE Hours: 1.00 (Pending)
Nathan Lighthizer, O.D., Doug Penisten, OD, Richard Castillo, OD, DO, Jeff Miller, OD
Woodland B, C, D

This course will provide an overview of anterior segment laser surgery for the optometric physician. Panelists will discuss indications, complications, techniques, advantages, and disadvantages for doing office-based anterior segment laser procedures. Video footage of laser procedures performed by the panelists will be used to enhance the discussion. Questions from attendees will be answered in detail by the panelists.

8:00 p.m.
Dinner on own.

8:00 a.m. - 12:00 p.m
“Anterior Segment Laser Hands On Workshop”
COPE: 72723-LP
Category: Laser Procedures
Total CE Hours: 4.00 (Pending)
Nathan Lighthizer, O.D., Doug Penisten, OD, Richard Castillo, OD, DO, Jeff Miller, OD
Lake Country Ballroom South 1/3
Woodland B/C/D

This four hour course is a workshop based course consisting of four stations. Each station will require the attendee to successfully perform the skills and techniques required to provide anterior segment laser surgical procedures in the primary care optometric practice. The attendee will rotate through each station at 50 minute intervals. Videos and powerpoint slides will be used during the workshop to assist the learning process. The indications for the procedures will be discussed. Procedure technique will be discussed, demonstrated and the attendees performance will be critiqued. Post-op care including possible complications and their management will be discussed.

YAG Capsulotomy
Richard Castillo, O.D., D.O.

Laser Peripheral Iridotomy
Jeff Miller, O.D.

Gonioscopy & Laser Lenses
Douglas Penisten, O.D., Ph.D.

Laser Trabeculoplasty: ALT & SLT
Nathan Lighthizer, O.D., F.A.A.O.

12:00 p.m.—1:30 p.m.
“Anterior Segment Laser Procedures Vital Concepts”
COPE ID: 72730-LP
Category: Laser Procedures
Total CE Hours: 1.00 (Pending)
Nathan Lighthizer, O.D.
Lake Country Ballroom South 1/3

This one hour interactive course reviews vital concepts to know when performing laser procedures in the optometric office. Through the use of interactive audience polling devices, the attendees will review basic biophysics and tissue interactions of lasers, safety and hazard concerns, as well as medico-legal responsibilities. Operation of various laser systems, indications, contraindications, procedure technique and follow-up care of anterior segment therapy procedures, including management of complications will be reviewed.
Meet the Instructors

Richard Castillo, O.D., D.O

Dr. Castillo is a graduate of the Oklahoma College of Optometry as well as the Oklahoma State University Health Science Center College of Osteopathic Medicine and Surgery. He completed a medical/surgical internship followed by a residency in Ophthalmic Surgery at the OSU Medical Center in Tulsa. He has been Northeastern State University’s principle surgeon, consulting ophthalmologist, and a clinical professor of Optometry since 1999. He currently serves as Assistant Dean overseeing the surgical training program, as well as Chief of the University’s Ophthalmic Surgery Service. He is a strong proponent of optometric continuing education, lecturing extensively, and holding workshops both nationally and internationally. Dr. Castillo is the author of several textbook chapters. He is the immediate past-chair and commissioner of the National Commission for Vision and Health. He has served on the Applied Basic Science committee for the National Board of Examiners in Optometry, and as one of the exams Councils. Dr. Castillo is also a member of the Oklahoma Medical Reserve Service Corps. Rich resides happily in Tahlequah, OK along with his wife Tammy (also an Optometric Physician and NSU grad), their two boys, Nathan and Joshua, and a very opinionated miniature schnauzer named Max.

Nathan Lighthizer, O.D., F.A.A.O

Dr. Lighthizer, is a 2009 graduate of Pacific University College of Optometry. Upon graduation, he completed a residency in Family Practice Optometry with an emphasis in Ocular Disease through Northeastern State University Oklahoma College of Optometry. Dr. Lighthizer has since joined the faculty at the Oklahoma College of Optometry and serves as the Chief of Specialty Care Clinics and the Chief of Electrodiagnostics Clinic. He was recently named the Director of Continuing Education as well as the Clinic Director at the Oklahoma College of Optometry. Dr. Lighthizer lectures nationally on numerous topics, most notably advanced ophthalmic procedures, electrodiagnostics, and ocular disease.

Jeff Miller, O.D., F.A.A.O.

Dr. Miller is a Professor of Optometry at Northeastern State University Oklahoma College of Optometry. He is the director of the NSUOCO Glaucoma Clinic as well as the Clinical Education Coordinator.

Dr Miller teaches Clinical Microbiology and Immunology; Glaucoma and Uveitis; and Differential Diagnosis of Ocular Disease. He has lectured in the U.S. and Canada on topics such as glaucoma, retinal imaging, and ocular nutrition.

Dr. Miller is married to Terri Miller, O.D., a private practicing optometrist in NW Arkansas. They have a daughter, Maia, who is a Siberian Husky. When not talking about eye care, Dr Miller enjoys talking about dogs, gardens, wines, and college football.

Douglas K. Penisten, O.D., Ph.D.

Dr. Penisten is a Professor and the Dean of the Oklahoma College of Optometry at Northeastern State University in Tahlequah, Oklahoma.

A graduate of Indiana University, Dr. Penisten served as a Senior Lecturer for four years in the Department of Optometry at the University of the North, Republic of South Africa. At NSU he teaches courses in optometric history, binocular and refractive analysis.

Dr. Penisten is a former Chair of the Accreditation Council on Optometric Education. He has served as a member of the National Board of Examiners in Optometry Basic Science Council and served as the Vice Chair of the Education Committee of the World Council of Optometry. Dr. Penisten is very active in international optometric education and curricular development.
Registration Form
Registration Deadline: June 1, 2022 or until full

2022 WOA Advanced Procedure Course—November 10 –13
Ingleside Hotel - Waukesha, WI

Registrant Name__________________________________________________________

AOA Member # ______________  OE Tracker #_______________  State License #________________________

Mailing Address________________________________________________________________________________

City/State/Zip_________________________________________________ Daytime Phone (____)________________

Email Address________________________________________________ Fax Number (____)___________________

Please select which course option you are registering for and payment plan desired:
Due to the nature of this course, we are handling registration different than a normal WOA seminar.
You have the option to pay the full registration fee upon registering, or pay a deposit of 1/2 the fee and the balance will be due by August 15th.
Refunds will ONLY be issued if the course is not held.
With limited seating available this is a necessity. Due to the deposit option we are unable to use the online registration system through the website - thanks for your understanding.

_______ 32 Hour Course  _______ Full Payment  _______ Deposit
_______ 16 Hour Lumps and Bumps Course  _______ Full Payment  _______ Deposit
_______ 16 Hour Laser Course  _______ Full Payment  _______ Deposit

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****There is a 1.5% processing fee added to all credit card transactions******

Payment Information: _______ Check  _______ Credit Card

MC ______  VISA _____  Discover _____  AMEX _____

Card #: _______________________________________________________________________________________

Expiration Date: ______  Security Code _______  Zip Code _______

Address: _______________________________________________________________________________________

City/State/Zip: _________________________________________________________________________________

Signature: _____________________________________________________________________________________

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