



The School of Ophthalmic Medical Technology

Continuing Education Program
for Ophthalmic Medical Personnel
MAY 19-20, 2017

40th
ANNUAL



HealthPartners®

Regions Hospital®

Registration and General Information
Certification Is Not Required To Attend This Meeting.

1. **MEETING LOCATION:**

***Hilton Minneapolis/St Paul Airport Mall of America
3800 American Blvd, Bloomington, MN 55425***

2. **TUITION:** The tuition schedule is designed to help you save money two ways: through pre-registration and using group discounts. Use them both to receive maximum savings. Tuition includes registration, continental breakfast, lunch Friday and Saturday, and refreshment breaks.

To be eligible for group discounts, multiple registrations and tuition must be mailed together in one envelope.

Number of people	Pre-Registration	On-Site
1-3	\$350 each	\$450 each
4-6	\$335 each	\$435 each
7-9+	\$300 each	\$400 each

Tuition must accompany registration form (located at back of brochure). Payment will be accepted in US Funds only.

ONE DAY REGISTRATION OPTION: \$220.00 each
NO Group Discounts
Advance Registration ONLY

3. **ADVANCE REGISTRATION:** Advanced registration is strongly recommended due to limited enrollment in many of the sessions. Advance registration deadline: April 28, 2017 Orders will be processed in the order that they are received. Advance registration orders postmarked after April 28, 2017, may be returned to sender for on-site registration.

NOTE MULTIPLE-PERIOD COURSES MAY NOT BE DIVIDED.

CONFIRMATION: Registrants will receive a confirmation postcard which must be presented to claim course tickets.

PLEASE Provide a second choice for your courses, this allows us to give you the most complete schedule possible.

CANCELLATIONS: Notification of cancellation must be submitted in writing and received by Friday May 5, 2017. A processing fee of \$85.00 will be deducted from all refunds. Refunds will be made to payor. Refunds which affect group discount rate will be adjusted accordingly. Cancellations will not be refunded after May 5, 2017.

4. **ON-SITE REGISTRATION:**
 Thursday, May 18- 6:30 PM to 8:00 PM
 Friday May 19-7:30 AM to 4:00 PM & Saturday May 20 7:30-3:00.
5. **LOCATION:** The meeting will be held at the Hilton Mpls/St Paul Airport Mall of America, 3800 American Blvd, Bloomington, MN 55425.
 Phone: 1-952-854-2100. email:mspairport.hilton.com
6. **ACCOMMODATIONS:** For your convenience, a block of rooms (\$129/double, plus tax) has been reserved at the Hilton.
 Reservations can be made directly with the hotel by calling reservations at 1-800-445-8667 and by identifying yourself as a participant in this (Regions Ophthalmic Tech) program. To assure hotel accommodations, the hotel must receive your reservation request on or before April 28, 2017(after April 28 the hotel will accept reservations subject to availability and group rate is not guaranteed).
7. **TRANSPORTATION:** The Hilton provides complimentary shuttle service to/from Minneapolis/St. Paul International Airport (MSP)and Mall of America. Hiawatha Light Rail located directly across the street from the hotel offers easy commute to downtown Minneapolis.On-site, free parking is available at the Hilton.
8. **CONTINUING EDUCATION (CE) CREDITS:** This course has been submitted to JCAHPO for consideration of CE credit. A maximum of 13.0 credit hours will be available. Attendance will be monitored for each session. Credit for a course hour will be denied to individuals who miss more than 15 minutes of an hour.
 Verification of credits earned will be mailed to participants approximately 3-4 weeks after the meeting.This course is not sponsored by JCAHPO; only reviewed for compliance with JCAHPO standards and criteria and awarded continuing education credit accordingly; therefore JCAHPO cannot predict the effectiveness of the program or assure its quality in substance and presentation.
9. **HANDOUTS ONLINE!: Handouts for courses will NOT be provided at meeting site .** On May 8,2017 a link will be sent via email with instructions for downloading and printing the available handouts for your registered courses. The link will be available until May 31st.
10. **REFRESHMENTS & LUNCHES:** Included in the tuition. Continental breakfast will be available beginning at 7:30 am. Lunch will be served both days. Notate need for Gluten-Free on Registration
11. **ATTIRE:** Casual attire is suggested. Dress in layers; room temperatures tend to be cool.
12. **CELLULAR PHONE/PAGER/POLICIES:** Cellular phones and other electronic devices must be turned off or set to a non-ringing mode during lectures and workshops.
 Please refrain from texting during courses.

The School of Ophthalmic Medical Technology wishes to express our gratitude to the Instructors for sharing their time, talent, and expertise.

Timothy Barrett, BCO, BADO; Midwest Eye Laboratories, Woodbury, MN

Stacy Campbell, NCLE-AC, COA, Eye Care Associates, Minneapolis, MN

Holly Cheshier, COT, CRA, OCT-C, Vitreoretinal Surgery PA, Edina MN;

Instructor School of Ophthalmic Medical Technology

Kevin Engel, MD, Hennepin County Medical Center, Minneapolis, MN

Lori Geddes, OD, HealthPartners Como Clinic, St Paul, MN, Instructor

School of Ophthalmic Medical Technology

Dianna E. Graves, BS, COMT, Clinic Services Manager, St. Paul Eye Clinic

PA, St. Paul, MN; Instructor, School of Ophthalmic Medical Technology

Stella Hennen, MD MSPH, CEO and Co-Founder of Eyecare MPLS, PLLC

Minneapolis, MN

April Howie, CRC, CPMA, Sr Mgr Compliance HealthPartners,

Bloomington, MN

Nic Jacobs, COA, CCRC, OSA; Chu Vision Institute, Bloomington, MN

Jeff Justin, Minnesota Lions Eye Bank, St Paul, MN

Alla Kelly, MD, St Paul Eye Clinic, St Paul, MN

Madison Kincade, CO Student, University of Minnesota, Childrens Lions

Eye Clinic, Minneapolis, MN

John Knapp, MD, HealthPartners Health Specialty Center, St Paul, MN;

Instructor School of Ophthalmic Medical Technology.

Leslie A. Kopietz, MD, Past Medical Director- School of Ophthalmic

Jeffrey Lynch, MD; Associated Eye Care, Stillwater, MN; CEO and Founder

of ReSpectacle

Laura May, CO, University of Minnesota, MN Children's Lions Eye Clinic,

Minneapolis, MN

Kelly McCrary, Vision Loss Resources, Minneapolis, MN

Chris McDevitt, MD; Mayo Clinic Health System, Red Wing, MN; Medical

Director and Instructor- School of Ophthalmic Medical Technology

Jill Melicher, MD, Minnesota Eye Consultants, Minneapolis, MN

Adam Moss, MD; McCannel Eye, Edina MN

Erick Nelson, VP, Low Vision Store, St Paul, MN

Joshua Olson, MD, University of Minnesota Dept. of Ophthalmology,

Minneapolis, MN

Kelsey Ostrowski, COMT, HealthPartners Specialty Center, St Paul, MN
Jeff Peterson, OD, VisionWorks, Burnsville, MN
Polly Quiram, MD, Vitreoretinal Surgery, PA, Edina, MN
Emily Schmidt, COT, Associated Eye Care, Stillwater, MN
Nicholas Schmitt, MD, Northwest Eye, Wayzata, MN
Mike Schmitz, COMT, North Suburban Eye Specialists, Coon Rapids, MN
Gary S. Schwartz, MD Associated Eye Care, Stillwater, MN
Jeanette Steffl, OD, HealthPartners Clinics, St Paul, MN
Kevin Tozer, MD, Minnesota Eye Consultants, Bloomington, MN
Aaron Tsai, MD; St Paul Eye Clinic, Woodbury, MN
Scott Uttley, MD; St. Paul Eye Clinic, Woodbury, MN
Andy Winters, COMT, ABOM, Associated Eye Care, Stillwater, MN;
Instructor School of Ophthalmic Medical Technology

The School of Ophthalmic Medical Technology
wishes to express our gratitude to the following company that offers
their continuing support of this program.

Walman Optical

A special Thank You to St Paul Eye Clinic for the
donation of the tote bags

1-F-1

RED EYE

John Knapp, MD

A One Period Course – **Basic**

Prerequisites: None

This course will discuss through visual and graphic case presentations the evaluation, diagnosis, and treatment of common and serious causes of “red eye”. A careful stepwise approach to the evaluation, diagnosis, and management of “red eye” will be discussed.

Objectives: At the completion of this course the attendees should be able to:

1. Describe the important steps and evaluation of the “red eye”
2. Identify those “red eyes” which require immediate, urgent and semi-urgent care

1-F-2

THESE GLASSES MAKE ME SEASICK!

Gary Schwartz, MD

A One Period Course –**Intermediate/ Advanced**

Prerequisites: Proficient in refractive skills

As we’re well aware, not every patient will be satisfied with a new pair of glasses. Sometimes it’s because we got the refraction wrong. Sometimes the problems are medical, such as cataract, macular degeneration, or diabetic retinopathy. Other times, the trouble resides in how the eyeglasses were made- bifocal segments or optical centers may be placed improperly. In this course, we will learn both how to approach the patient who doesn’t like his glasses, and what we can offer to make things better.

Objectives: Upon completion of the course, the students will be able to identify problems that patients may be experiencing with their glasses and how to correct those problems.

1-F-3

CATARACT SURGERY: POST OP COMPLICATIONS

Gary Schwartz, MD

A One Period Course - **Intermediate/Advanced**

Prerequisites: None

Although cataract surgery is one of the safest procedures performed today, complications do occur from time to time. Often the recognition of the complication and timely institution of the appropriate treatment can be the difference between good long term vision and bad. This course will present both the common complications occurring after cataract surgery, and the appropriate treatment regimens to minimize vision loss from them.

Objectives: Upon completion of the course the participants should be able to list the most common complications after cataract surgery and discuss treatment for them.

1-F-4

CODING 101- A BASIC INTRODUCTION FOR OPHTHALMIC TECHNICIANS

April Howie, CPC, CPMA

A One Period Course - **Basic/ Intermediate**

Prerequisites: None

The documentation of the services we provide and report are the most important patient care data we use within the US and across the globe. We will be walking through documentation and coding defined. This includes essential tools used in the trade, procedure and diagnosis coding.

Objectives: Upon completion of this course the attendees should be able to understand the codes and how to associate a code for the services provided.

1-F-5

WORKPLACE VIOLENCE: KEEPING A WEATHER EYE!

Dianna Graves, COMT

A One Period Course: **Basic / Intermediate**

Prerequisites: Medical Terminology

Health care workers are at high risk for experiencing violence in the workplace. Work place violence is any act or threat of physical violence, harassment, intimidation, or other disruptive behavior that occurs at work. It can range from threats and verbal abuse to physical assaults. This potentially can affect and involve employees, patients, and visitors. Identifying the signs and symptoms of potential violent behavior is a must to ensure the safety of the staffand your patient!

Objectives:At the completion of this course, the participant should be able to:

1. Identify warning signs of poor patient behavior
2. Discuss triggers during the exam that might indicate the patient is escalating and how to handle these signs
3. Discuss safety standards when it appears violence is imminent to protect yourself and your patient

1-F-6

THERE'S SOMETHING WRONG WITH MY EYES!

Dianna Graves, COMT

A One Period Course: **Intermediate**

Prerequisites: Basic Anatomy of the Eye, Medical Terminology

Your patient just called and stated: "There's something wrong with my eyes". Trying to troubleshoot what that really means will take all of your triaging skills! There can be a number of reasons, ranging from their medications to eye/general medical problems. Are they complaining of seeing "things" (people) or are they just floaters? We will discuss a variety of complaints regarding the patients vision, eye comfort or visual perception and how to ask the "right" questions during the triage/ history intake to "help" get the information your doctor needs when the patients says:"There's something wrong with my eyes!"

Objectives:At the completion of this course, the attendee should be able to:

1. Discuss common patient complaints and the questions you need to ask to help your doctor make their diagnosis
2. Identify “tips” to help the patients and you, elicit for your doctor whether these are physical complaints, perceived problems, medication problems, or environmental problems
3. Discuss the anatomy of the eye and how these complaints affect the various layers of the eye

1-F- 7

OPHTHALMIC JEOPARDY!

Dianna Graves, COMT; Kris Fey, COMT

A One Period Course – **Basic**

Prerequisites: None

Participants are invited to come match their knowledge against the clock and each other in answering ophthalmic and eye related questions in a JEOPARDY! game show format. It is a knowledge- challenging, fun filled session that is great for reviewing various ophthalmic topics.

Objectives: This course is meant as a review session allowing participants to review topics they deal with every day or may encounter on a written exam.

2-F-1

TOOLS BLIND & VISUALLY IMPAIRED INDIVIDUALS USE TO TRAVEL SAFELY

Kelly Mc Crary

A One Period Course – **Basic/ Intermediate**

Prerequisites: None

Navigating daily life and traveling through stores, workplaces, and out on the streets is something sighted people don’t often think about. Blind/ Visually impaired people must make adjustments in order to travel independently. We will discuss the options blind/visually impaired people have to use to travel safely.

Objectives: At the completion of this course the participants should have a better understanding of the tools available for blind/visually impaired people to navigate their daily travels.

2-F-2

EYES AND PREGNANCY

Leslie Kopietz, MD

A One Period Course – **Basic**

Prerequisites: None

This course will provide an overview of the affects of pregnancy on the eye, and eye conditions possibly exacerbated by pregnancy. It will also review the use of ocular medications and diagnostic agents in pregnant patients, including the new FDA labeling requirements.

Objectives: At the completion of this course the participants should be able to describe:

1. Describe eye conditions which may be affected by pregnancy
2. Describe methods to limit systemic absorption of eye drops in pregnant patients

2-F-3

DESCEMET MEMBRANE ENDOTHELIAL KERATOPLASTY (DMEK) PREPARATION

Jeff Justin

A One Period Course - **Intermediate**

Prerequisites: Basic corneal anatomy

This course will provide an overview of the steps in preparing donor eye tissue for Descemet Membrane Endothelial Keratoplasty (DMEK) at the Eye Bank with additional information on the evaluation of corneas and determination of suitability for specific surgeries.

Objectives: At the completion of this course the participants should:

1. Understand the history of eye banking and reasons for cornea transplant
2. Understand endothelial keratoplasty and the evolution to DMEK
3. Understand the criteria for being a DMEK donor and recipient
4. Understand the process of DMEK preparation

2-F-4

OCT/FA/ BOOT CAMP

Holly Cheshier, COT, CRA, OCT-C

A One Period Course - **Intermediate/ Advanced**

Prerequisites: None

This course is a retina based lecture that will review common pathologies that effect each layer of the retina, comparing OCT and FA results and describe how they are also used together in determining diagnoses.

Objectives: At the conclusion of this course the student will be able to:

1. Describe common pathologies that effect each layer of the retina
2. Understand descriptive terms used to describe retinal pathology in OCT and Fluorescein Angiography
3. Describe how OCT and FA images effect each other in determining diagnosis

2-F-5

OCULOPLASTIC PEARLS- IDENTIFYING LUMPS AND BUMPS

Jill Melicher, MD

A One Period Course – **Intermediate**

Prerequisites: A Basic understanding of ocular anatomy

This audience will learn identification techniques for patients with periocular lesions. Common “lumps and bumps” seen in the clinic will be discussed.

Objectives: At the completion of this course, the participants should be able to formulate differential diagnosis and recognize key clinical features distinguishing patients with periocular lesions.

2-F-6

OCULAR EMERGENCIES

Kevin Engel, MD

A One Period Course – **Basic/ Intermediate**

Prerequisites: Basic Ocular anatomy

This course will focus on the different types of ocular emergencies and associated symptoms. The importance of history and triage will be detailed. Urgent, Emergent and in - office situations will be discussed.

Objectives: At the completion of this course the participants should be able to:

1. Describe the important steps of evaluation of ocular emergencies
2. Identify common ocular emergencies

3-F-1

DISRUPTIVE TECHNOLOGY IN EYE CARE: THE GOOD, THE BAD, THE CRAZY

Jeff Peterson, OD

A One Period Course: **Basic/ Intermediate**

Prerequisites: None

What is Disruptive Technology? Think cell phone and the impact it has had on our lives. Some of it has been good, some bad and some crazy. In eye care we have seen all of that as well, and much more is on the way. We will explore some of the current disruptive technologies in eyecare, interact about their impact on our practices, and peer into the future at what is yet to come.

3-F-2

MICROINVASIVE GLAUCOMA SURGERY (MIGS): EXPANDING THE ROLE OF COMPREHENSIVE OPHTHALMOLOGY

Joshua Olson, MD

A One Period Course - **Intermediate**

Prerequisites: None

As our population continues to age, we are seeing more patients with glaucoma every year. Due to advances in screening techniques and treatments, most of these patients are now being identified and controlled with mild to moderate glaucoma. Eventually, many of these patient will develop cataracts and require surgical extraction. With the advent of MIGS, our growing population of patients with mild to moderate glaucoma and cataracts may now benefit from a combined procedure. These procedures can further help to lower intraocular pressure and protect from glaucoma progression, while lowering medication burden for the patient. The safety of MIGS compared to other well established glaucoma surgery (trabeculectomy and tube shunts) is where these new surgeries are gaining popularity. The iStent is currently the only FDA approved MIGS device for use in the US, however many new devices are currently under investigation. Given that most cataract patients will undergo surgery with a comprehensive ophthalmologist, MIGS surgery is essential for surgeons to adapt to their practices. A basic understanding of MIGS surgeries, compared to other glaucoma treatments, is needed for all levels of ophthalmic care providers as more and more of these devices are going to be used in the coming years.

3-F-3

SPECIALTY CONTACT LENS OPTIONS FOR THE COMPLEX OCULAR SURFACE

Jeanette Steffl, OD

A One Period Course - **Basic/Intermediate**

Prerequisites: None

This course will discuss specialty contact lens options for patients with ocular disease through format of case presentations. Case presentations will be provided that discuss different types of indications to fit scleral lenses, specialty soft lenses for Keratoconus, specialty soft lenses and daily soft contact lens options.

Objectives: At the end of this class, the attendee should be able to:

1. Review types of specialty lenses that are available today
2. Identify patient characteristics that may lead to the success or failure in types of contact lenses

3-F-4

BASICS OF STRABISMUS TESTING

Laura May, CO and Madison Kincade

A One Period Course - **Basic**

Prerequisites: None

Strabismus is described as a misalignment of the eyes. This can occur at any age and is estimated that about 4% of the population has strabismus. Strabismus is termed by the direction of the deviation or by the cause of the deviation. We will cover types of esotropia, exotropia, and hypertropia as well as strabismus due to cranial nerve palsies. This course will give an overview of testing performed when measuring different types of strabismus and fusion ability. Testing covered includes the worth 4 dot, stereopsis, bagolini lenses and cover testing.

Objectives: After this class the student should be able to understand how to test for suppression, fusion or diplopia as well as being able to recognize different types of strabismus.

3-F-5

PHARMACOLOGY I

Chrisopher McDevitt, MD

A One Period Course - **Basic/ Intermediate**

Prerequisites: None

Basic principle of ocular pharmacology will be introduced as well as solutions and medications and viscoelastic substances for intraocular use that may be used in the OR for cataract surgery and minor office procedures such as local anesthetics and intravitreal agents.

3-F-6

THOSE DARN CHEATERS!

Nic Jacobs, COA, CCRC, OSA

A One Period Course - **Basic/ Intermediate**

Prerequisites: None

The technicians role in the care and management of the presbyopic patient.

Objectives:

1. Develop vocabulary used in patient education and presbyopia exams
2. Identify and understand testing and scans the doctor will use to determine patient eligibility
3. Describe tips for helping the doctor educate the patient pre-operatively.
4. Identify patient cues and learn how to encourage patients through the post operative period

3-F-7

GAME ON!

Nic Jacobs, COA, CCRC, OSA

A One Period Course: **Basic/ Intermediate**

Prerequisites: None

An interactive, fun review of your current ophthalmology knowledge. Come play with us!

Objectives:

1. Review and recall basic ophthalmology knowledge
2. Identify content areas of knowledge that could use some re-training
3. Learn fun ways to prepare for certification of staff review sessions

4-F-4

LOW VISION PRODUCTS AND COMPUTERS

Erik Nelson; Low Vision Store

A One Period Course- **Basic**

Prerequisites: Low vision experience or interest in low vision

This course will discuss Low Vision products that are available for patients with low vision. The newest computer technology available will be detailed for better understanding of what would work best for which patient. Low Vision products will be available for viewing and hands on learning.

Objectives: At the completion of the course, participants should be able to discuss the use, benefits and availability of Low Vision products with their patients.

4-F-5

EYE CARE IN HAITI

Lori Geddes, OD

A One Period Course: **Basic**

Prerequisites: None- Interest in healthcare in developing countries

This course will discuss situations in eye care health while volunteering in an eye clinic in Haiti. It discusses adventures involving language barriers, lack of supplies and equipment, and how helping to create small miracles in the eye clinic yield great rewards

Objectives: Attendees will gain knowledge of opportunities in other countries and how their help could be utilized to increase eye health in these locations

4-F-6

FUNDAMENTALS OF OCULAR SURFACE DISEASE AND LIMBAL STEM CELL DYSFUNCTION

Adam Moss, MD, MBA

A One Period Course: **Advanced**

Prerequisites: Basic knowledge of corneal anatomy

This course will discuss a broad range of disorders that affect the health and function of the ocular surface. It will begin with a discussion of commonly encountered conditions, such as dry eye syndrome, blepharitis, pterygia, and non-infectious forms of conjunctivitis. The course will then move into less common but more challenging conditions that can result in severe ocular morbidity, including limbal stem cell deficiency and ocular surface disease secondary to systemic disorders. This course will describe some of the emerging diagnostic tests now available to assist with diagnosis and management. Finally, the course will introduce some of the medical and surgical treatments for ocular surface disease.

Objectives: At the end of the course the participants will.

1. Describe the signs and symptoms of ocular surface disease
2. Describe the role of limbal stem cells
3. List the common causes of ocular surface disease and limbal stem cell dysfunction
4. Describe medical therapies for the treatment of ocular surface disease
5. Introduce the basics of ocular surface transplantation

1-SA-1

TOP TEN NEURO-OPHTHALMIC URGENCIES

Aaron Tsai, MD

A One Period Course - **Intermediate**

Prerequisites: Basic understanding of ocular anatomy and the visual pathway

This course is an interactive review of the most common neuro-ophthalmic urgencies and emergencies. Plus reinforcement of the critical aspects of the neuro-ophthalmic clinic history taking and exam (pupils, EOM's, eyelid movements, etc).

1-SA-2

PHARMACOLOGY II

Christopher McDevitt, MD

A One Period Course: **Basic**

Prerequisites: None

Basic principles of ocular pharmacology will be introduced and clinical scenarios presented in a teaching format to discuss the use of dilating eye drops, topical anesthetics, glaucoma medications, topical antibiotics, topical steroids and topical antihistamines.

1-SA-3

OPHTHALMOLOGY CLINICAL PRACTICE UPDATES

Christopher McDevitt, MD

A One Period Course - **Intermediate/Advanced**

Prerequisites: None

The goal of this course is to provide ophthalmic assistants updates from clinical studies related to Cataract Surgery and IOL's, Refractive Surgery, Cornea, Glaucoma, Oculoplastics and Neuro-ophthalmology. Two or three articles from each topic will be chosen from the Yearbook of Ophthalmology 2016 and the key findings will be presented. The subjects chosen should be easily recognizable for ophthalmic personnel and part of the practice of general ophthalmologists and specialists.

1-SA-4

FITTING AND FABRICATION OF THE OCULAR PROSTHESIS

Tim Barrett

A One Period Course: **Basic**

Prerequisites: None

This course will cover the basic process of fitting and fabrication of the Ocular Prosthesis and some of the changes in our industry in the last 100 years. We will also cover general care of the prosthesis, along with some of the challenges faced by the Ocularist and the Ophthalmologist.

Objectives: Upon completion of this course, the participants should:

1. Be able to describe to the patient the fitting process
2. Identify problems the patient is having and determine if the situation may be corrected by the Ocularist or better handled by the Ophthalmologist/Optommetrist.

1-SA-5

BASICS OF CONTACT LENSES

Stacy Campbell, NCLE-AC, COA

A One Period Course- **Basic**

Prerequisites: None

This course will act as an introduction and review to the basics of contact lens fitting. This will include pre-fitting information gathering, lens selection of soft and RGP lenses and discussion of insertion and removal techniques and information.

Objectives: Upon completion of this course the participant will be able to:

1. Obtain a complete history for a contact lens wearer
2. Be able to transpose prescriptions to be used for a CTL fitting
3. Describe the benefits/ disadvantages of soft and RGP lenses
4. Describe I & R techniques and information for a patient

1-SA-6

GLAUCOMA DIAGNOSIS AND MANAGEMENT

Stella Hennen, MD, MSPH, CEO and Co-Founder of Eyecare MPLS, PLLC
A One Period Course - **Basic/ Intermediate**

Prerequisite: None

In this course, we will discuss glaucoma diagnosis and management using visual and graphic case presentations. Glaucoma emergencies will also be discussed.

Objectives: At the conclusion of this course the students will be able to:

1. Identify patients with glaucoma
2. Discuss glaucoma management

2-SA-1

OCULAR TRAUMA

Nicholas Schmitt, MD

A One Period Course - **Intermediate**

Prerequisites: Basic understanding of ocular anatomy

This course will examine the most common and not-so-common eyelid and orbital lesions that present to the eye doctor. Case studies illustrating diagnosis and management are presented.

2-SA-2

HERPES ZOSTER OPHTHALMICUS

Scott Uttley, MD

A One Period Course -**Intermediate/Advanced**

Prerequisite: None

Herpes Zoster Ophthalmicus is a very common and potentially devastating eye disease often encountered in the elderly population. The signs and symptoms of HZO are often varied and can affect many different parts of the eye. This course is designed to provide a thorough review of the etiology, presentation, and treatment of HZO. The role of Varicella immunization in children and the Zostavax vaccine in adults will also be covered.

Objectives: At the conclusion of this course the student will be able to:

1. Identify which patients are at risk for herpes zoster
2. List the parts of the eye that can be involved with herpes zoster ophthalmicus
3. Describe the presentation of herpes zoster ophthalmicus
4. Identify which patients should receive immunization against the varicella/zoster virus.

2-SA-3

MANAGEMENT OF KERATOCONUS

Kevin Tozer, MD

A One Period Course -**Intermediate**

Prerequisites: Basic Ocular anatomy

Keratoconus is a relatively common disorder that can involve each layer of the cornea and lead to refractive changes. Traditional methods of glasses and contacts are available, but newer, more invasive, successful treatments are also now available. This course will discuss the surgical and non-surgical options for treatment of this condition.

Objectives: At the completion of this course the participant should be able to describe multiple treatment options for patients with keratoconus.

2-SA-4

AGE RELATED MACULAR DEGENERATION AND DIABETIC RETINOPATHY UPDATE

Polly Quiram, MD

A One Period Course - **Intermediate**

Prerequisites: A Basic understanding of retinal and ocular anatomy
This course is designed to discuss the two most common causes of visual loss: age related macular degeneration and diabetic eye disease. Pathophysiology, prevention, treatment and ongoing clinical research will be discussed.

Objectives: Following the presentation, participants will be able to:

1. Describe the pathophysiology, diagnosis and treatment of age-related macular degeneration
2. Describe the pathophysiology, diagnosis and treatment of diabetic eye disease
3. Describe the surgical management of common vitreoretinal diseases related to diabetic eye disease.

2-SA-5

NYSTAGMUS- TIPS FOR A BETTER EXAM

Emily Schmidt, COT

A One Period Course- **Basic**

Prerequisites: None

This course will cover the different groups, kinds and forms of nystagmus as well as show videos of the different types of nystagmus. We will discuss five valuable tips on performing an eye exam and specialized tests on a patient with nystagmus.

Objectives: Upon completion of the course, the participants should be able to:

1. Recognize the different types of nystagmus
2. List the different groups, kinds, and forms that can be used to describe nystagmus
3. List the best tools to use for a nystagmus eye exam

2-SA-6

PRISM CAMP

Kelsey Ostrowski, BS, COMT

A One Period Course: **Basic**

Prerequisites: None

In this course we will discuss the difference between tropias and phorias and how to find these deviations using the cover- uncover test and the cross cover test. We will then learn how to measure these deviations using horizontal and/ or vertical prisms. Finally we will touch upon practical applications for these prism measurements when they are used in eyeglass prescriptions.

Objectives: Following the presentation, the participants should be able to:

1. Tell the difference between a tropia and phoria
2. Name exo, eso, hyper and hypo deviations
3. Learn how to measure deviations using prisms
4. Determine the amount of prism to add to a refraction

3-SA-1

CATARACT SURGERY

Alla Kelly, MD

A One Period Course - **Basic/ Intermediate**

Prerequisites: A basic understanding of ocular anatomy

This course will use a video and graphic approach to teach basic cataract surgery. The steps in the surgery, the tools used, as well as the lens implant options will be discussed. This course will also address pre-operative evaluation for successful surgical planning

Objectives: At the end of the class, the participants should understand the anatomy of the eye, understand the definition of a cataract and be able to identify the various types of cataracts, and understand the steps of cataract surgery.

3-SA-2

ABNORMAL HEAD POSITIONS IN THE EYE CLINIC

Jeffrey Lynch, MD, CEO & Founder ReSpectacle

A One Period Course: **Intermediate**

Prerequisites: None

This course will present common causes & presentations of abnormal head positions that can present to the eye clinic, including practical tips on how to approach the examination of children and adults with this finding. Course will briefly discuss non-ocular causes but will focus on the ocular drivers of abnormal head positions.

3-SA-3

RESPECTACLE: A 21st CENTURY APPROACH TO EYEGLASS RECYCLING

Jeffrey Lynch, MD, CEO & Founder - ReSpectacle

A One Period Course: **Basic**

Prerequisites: None

The World Health Organization estimates that about 280 million people in the world have low vision (moderate to severe impairment) and that glasses could correct the sight of more than half of them. During a mission trip Dr Lynch thought there could be a more efficient way to match underserved patients with the glasses they needed. To this end Lynch and colleagues developed an innovative approach to recycling used eyeglasses using an online database, In May 2011 ReSpectacle was created. Spend this classtime learning about the need, this organization and wonderful opportunity to help in the ophthalmology community.

4-SA-1,2A

INTRODUCTION TO PLUS CYLINDER RETINOSCOPY

Andy Winters, ABOM, COMT

A One and One Half Period Course - **Basic (Limit to 30 participants)**

PreRequisites:None

This course will focus on the plus cylinder method of retinoscopy and will review and explain the optical aspects of the human refractive system and its errors: Hyperopia, Myopia and astigmatism. It will also explain the optical basis of the streak retinoscope and how this mechanism is used to measure refractive errors of the human eye. The phenomenon of “with” motion, “against” motion and “neutral” will be discussed and explained. The system of notation of retinoscopic findings will be explained, including working distance, and the methods for transposing this data into conventional optical terms

Objectives:

1. Demonstrate the ability to explain hyperopia, myopia and astigmatism
2. Demonstrate an understanding of the mechanism and function of the streak retinoscope
3. Describe the various types of behaviors of the retinoscopic results and transpose those results into optical terms

4-SA-2B,3

PLUS CYLINDER RETINOSCOPY WORKSHOP

Andy Winters, COMT ,ABOM, et al

A One and 1/2 Period Course - **Basic - (limited to 30 participants)**

Prerequisites: Participants will be required to provide their own retinoscope and 2 charged batteries while in this course.

Course 4-SA-1,2A is required

This course will demonstrate and teach technique of estimating refractive error of the human eye using the streak retinoscope, loose lenses and a schematic eye. Instruction will include, demonstration of the sleeve and how the positioning of it affects the behavior of the streak. Demonstration and instruction of “with” , “against”, and “neutral”. Demonstrating of how to estimate the appropriate working distance and how to incorporate this into the final results. Instruction in determining the spherical and cylindrical error and converting the results into a conventional optical expression of “sphere” “cylinder” and “axis”

Objectives: Upon completion of this course students should be able to demonstrate the ability to operate the streak retinoscope to estimate the spherical and cylindrical (if present) refractive error of the human eye and to record and express results in conventional optical terms.

4-SA-4,5A

LENSOMETRY LECTURE AND WORKSHOP

Mike Schmitz, COMT

A One and 1/2 Period Course: **Basic (Limit 12 participants)**

Prerequisites: None

This lecture and workshop will provide the participant with the opportunity for hands on experience with the manual Lensometer. We will be reading in Plus Cylinder.

Objectives: At the end of the course the participants will.

1. Describe parts and uses of the lensometer
2. Identify sphere and sphereocylinder lenses

Friday, May 19, 2017

Room Time	8:00-9:00	9:15-10:15	10:30-11:30	12:30-1:30	1:45-2:45	3:00-4:00	4:15-5:15
BALLROOM I	1-F-1 Red Eye Knapp Page 6	1-F-2 These Glasses Make Me Seasick! Schwartz Page 6	1-F-3 Cataract SX Post op Complications Schwartz Page 7	1-F-4 Coding 101 Howie Page 7	1-F-5 Work place Violence Graves Page 8	1-F-6 There's Something Wrong with my Eye Graves Page 8-9	1-F-7 Ophthalmic JEOPARDY Graves, Fey Page 9
BALLROOM II	2-F-1 Tools for Safe Travel for Blind Individuals McCrary Page 9	2-F-2 Eyes and Prenancy Kopietz Page 10	2-F-3 DMEK Donor Graft Prep Justin Page 10	2-F-4 OCT/ FA Boot Camp Cheshier Page 11	2-F-5 Oculo-plastic PEARLS Melicher Page 11	2-F-6 Ocular Emergencies Engel Page 12	
BALLROOM III	3-F-1 Disruptive Technology Peterson Page 12	3-F-2 Micro-Invasive Glaucoma Surgery Olson Page 13	3-F-3 Specialty Contact Lenses Steffl Page 13	3-F-4 Basics of Strabismus Testing May, Kincade Page 14	3-F-5 Pharm I McDevitt Page 14	3-F-6 Those Darn Cheaters! Jacobs Page 15	3-F-7 GAME ON! Jacobs Page 15
BALLROOM IV				4-F-4 Low Vision Products and Computers Nelson Page 16	4-F-5 Eye Care in Haiti Geddes Page 16	4-F-6 Ocular Surface Dz and Limbal Stem Cells Moss Page 17	
MEETING SPACE FOYER AND BALCONY	8:00-4:00pm SPONSORS/ VENDORS <i>TAKE A FEW MINUTES AND STOP BY!</i> CLINICS AND PRACTICES JOB FAIR						

Luncheon- 11:30-12:30

New Course Offering

Saturday, May 20, 2017

Hotel Room Time	8:30-9:30	9:45- 10:45	11:00- 12:00	1:00-2:00	2:15-3:15	3:30-4:30
BALLROOM I	1-SA-1 Top 10 Neuro-Ophth Urgencies Tsai Page 17	1-SA-2 Pharm II McDevitt Page 18	1-SA-3 Ophthalmology Update McDevitt Page 18	1-SA-4 Fit and Fabrication of Ocular Prostheses Barrett Page 19	1-SA-5 Basics of Contact Lenses Campbell Page 19	1-SA-6 Glaucoma Diagnosis and Mngmt Hennen Page 20
BALLROOM II	2-SA-1 Ocular Trauma Schmitt Page 20	2-SA-2 Herpes Zoster Uttley Page 21	2-SA-3 Mngmnt of Keratoconus Tozer Page 21	2-SA-4 AMD and DM Updates Quiram Page 22	2-SA-5 Nystamus Schmidt Page 23	2-SA-6 Prism Camp Ostrowski Page 23
BALLROOM III	3-SA-1 Cataract Surgery Basics Kelly Page 23	3-SA-2 Abnormal Head Positions Lynch Page 24	3-SA-3 ReSpectacle Lynch Page 24	Luncheon - 12:00 - 1:00 Included with Registration		
CARDINAL PERCH	4-SA-1,2A Intro. to Plus Cyl Retinoscopy Lecture WINTERS Page 25	4-SA-2B,3 Intro. to Plus Cyl Retinoscopy Workshop WINTERS Page 26	4-SA-4,5A Lensometry Lecture and Workshop (1:00-2:30) Schmitz ,et al Page 26			

New Course Offering

40th Annual CE Program
May 19 & 20, 2017

REGISTRATION FORM

Print Clearly- a name badge and Certificate of Attendance are produced from this form
Complete Both Sides of This Form

To be eligible for group discounts, multiple registrations and tuition
must be mailed together in one envelope.

REGISTRANT INFORMATION

Name _____
FIRST LAST

Home Address _____

City _____ State _____ Zip _____

E-mail Address _____

*HANDOUTS will be available electronically. You **MUST** provide a valid email address to recieved the link for handouts.*

EMPLOYER INFORMATION

Name of Employer _____

Business Address _____

City _____ State _____ Zip _____

Business Telephone _____ Fax: _____

1. **Are you JCAHPO Certified:** Yes No
2. **If yes, level of certification:**
COA ____ COT ____ COMT ____ CCOA ____
3. **Have you previously attended this meeting ?** Yes No

PAYMENT INFORMATION: Full Program = \$350.00 One Day Registration = \$220.00

CREDIT CARD: VISA MASTERCARD CHECK ENCLOSED

Name on Card/Account: _____

Card Number: _____

Expiration Date: _____

CVC number: _____

Cardholder Signature: _____

Complete Course Ticket Order Form on Reverse Side

SELECTION OF COURSES

Registrant:

MULTIPLE PERIOD COURSES CANNOT BE DIVIDED

PERIOD	FIRST CHOICE				SECOND CHOICE	
	Clearly Circle Course No.				list Course No.	
(F)riday AM	1st HR	1-F-1	2-F-1	3-F-1		
	2nd HR	1-F-2	2-F-2	3-F-2		
	3rd HR	1-F-3	2-F-3	3-F-3		
(F)riday PM	4th Hr	1-F-4	2-F-4	3-F-4	4-F-4	
	5thHR	1-F-5	2-F-5	3-F-5	4-F-5	
	6th HR	1-F-6	2-F-6	3-F-6	4-F-6	
	7th HR	1-F-7		3 -F-7		
(SA)tuesday AM	1st HR	1-SA-1	2-SA-1	3-SA-1	4-SA-1,2A	
	2nd HR	1-SA-2	2-SA-2	3-SA-2		
	3rd HR	1-SA-3	2-SA-3	3-SA-3	4-SA-2B,3	
(SA)tuesday PM	4th HR	1-SA-4	2-SA-4	4,SA,4-5A		
	5th HR	1-SA-5	2-SA-5			
	6th HR	1-SA-6	2-SA-6			

Did you remember to write your name at the top?

To obtain lowest registration fee, mail on or before April 28,2017
Check / payment must accompany registration form. Make check payable to:

**School of Ophthalmic Medical Technology
Regions Hospital
864 Terrace Ct
St. Paul, MN 55130**

**To be eligible for group discount, multiple registrations and registration fee
must be mailed together in one envelope.**

TUITION:	<u>Before 4/28/17</u>	<u>After 4/28/17</u>
1-3 people	\$350 each	\$450 each
4-6 people	\$335 each	\$435 each
7-9 people	\$300 each	\$400 each

Exhibitors and Job Fair

**Friday, May 19, 2017
Meeting Space Foyer and Balcony**

Take a few minutes to see what is new in the
ophthalmology world or chat with
local employers

Friday Game Night!

Last class session of the day
4:15-5:15

Register for either
OPHTHALMIC JEOPARDY!
or
GAME ON!

FOR ADDITIONAL INFORMATION, CONTACT:
School of Ophthalmic Medical Technology
Regions Hospital
864 Terrace Ct. St Paul, MN 55130
Phone (651) 254-3000 FAX (651) 778-2319
E-mail: OphTechSchool@HealthPartners.Com

