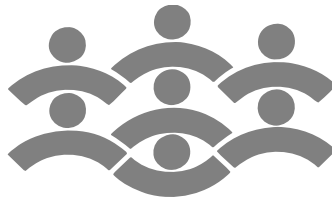


The School of Ophthalmic Medical Technology and Regions Hospital

Thirty-First Annual

2 0 0 8



Continuing Education Program for Ophthalmic Medical Personnel

May 16, 17 & 18, 2008

Registration and General Information

Certification Is Not Required To Attend This Meeting.

1. **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, lunch Friday and Saturday, and refreshment breaks.

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

<u>Number of people</u>	<u>Pre-Registration</u>	<u>On-Site</u>
1-3	\$375 each	\$475 each
4-6	\$350 each	\$450 each
7-9	\$325 each	\$425 each
10+	\$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: \$210.00 each
For Friday OR Saturday ONLY
NO Group Discounts
Advance Registration ONLY

2. **ADVANCE REGISTRATION:** Advanced registration is strongly recommended due to limited enrollment in many of the sessions. Advance registration deadline: April 25, 2008. Orders will be processed in the order that they are received. Advance registration orders postmarked after April 25, 2008 will be returned to sender for on-site registration.

NOTE

MULTIPLE-PERIOD COURSES MAY NOT BE DIVIDED.

Daily schedules are located on pages 28-30

Read "**Prerequisites**" in workshop course descriptions. Most workshops require attendance at an earlier lecture as a prerequisite to participate in the workshop.

CONFIRMATION: Registrants will receive a confirmation postcard which **must** be presented to claim 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, April 25, 2008**. 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 accepted after April 25, 2008.**

3. **ON-SITE REGISTRATION:** Located on the Mezzanine Level:
 Thursday, May 15 - 6:30 PM to 9:00 PM
 Friday/Saturday, May 16-17 -7:30 AM to 4:00 PM
 Sunday May 18 - 7:30- 10:00AM
4. **LOCATION:** The meeting will be held at the Minneapolis/St. Paul Airport Hilton Hotel, 3800 American Blvd East., Bloomington, MN 55425. Telephone: (952) 854-2100
5. **ACCOMMODATIONS:** For your convenience, a block of rooms (\$104 single/double, plus tax) has been reserved at the Airport Hilton. Reservations can be made directly with the Airport Hilton by calling reservations at (952) 854-2100 and by identifying yourself as a participant in this program. **To assure hotel accommodations, the hotel must receive your reservation request on or before May 2, 2008** (after May 2, the hotel will accept reservations subject to availability and group rate is not guaranteed).
6. **TRANSPORTATION:** The Airport Hilton Hotel provides complimentary shuttle service to/ from Minneapolis/St. Paul International Airport (MSP). Courtesy telephones are located in the baggage claim area. You must telephone the hotel, upon arrival, to request the shuttle service. On-site, free parking is available at the Airport Hilton. A large parking lot will accommodate course registrants and hotel guests.
7. **CONTINUING EDUCATION (CE) CREDITS:** Category "A" or "B" continuing education credit has been awarded by JCAHPO on a 1:1 basis (one CE credit per hour of instruction). 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.
8. **COURSE LEVELS:** A **Basic** session is one in which the individual is expected to have essentially no background on the subject; **Intermediate** session is for individuals who have one year of experience; an **Advanced** session is for individuals who have two or more years of experience. **Prerequisites**, if applicable, are noted for each session.
9. **REFRESHMENTS & LUNCHEs:** Included in the tuition. Coffee/tea will be available beginning at 8:00 am. Lunch will be served Friday and Saturday.
10. **ATTIRE:** Casual attire is suggested. Dress in layers; **room temperatures tend to be cool.**
11. **CELLULAR PHONE/PAGER/SMOKING POLICIES:** Cellular phones and pagers must be turned off and set to a non-ringing mode during lectures and workshops. Smoking is not allowed in classroom areas.

FOR ADDITIONAL INFORMATION, CONTACT:

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 Phone (651) 254-3000 FAX (651) 254-2256
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***The School of Ophthalmic Medical Technology
wishes to express our gratitude to the Instructors for
sharing their time, talent, and expertise.***

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Omar Awad, MD, Awad Eye Clinic, Falcon Heights, MN

Evan A. Ballard, MD, Associated Eye Care, Stillwater, MN; Clinical Professor, Dept. of Ophthalmology, Univ. of MN; Instructor, School of Ophthalmic Medical Technology.

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Wendell C. Danforth, MD, Ophthalmology, PA, Edina, MN

Tim Diegel, MD, Park Nicollet Clinics, St Louis Park, MN

Karen Dobbins, HealthPartners Corporate Diversity, Bloomington, MN

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David Whiting, MD, Consultative Eye Care, Wayzata, MN
Dick Wohlever, Director of Educational Services, Walman Optical, Mpls., MN

The following corporations are acknowledged for their support of the 2008 meeting:

Walman Optical
Johnson Ophthalmic Equipment
Alimera Sciences

1-F-1

CURRENT MANAGEMENT AND SURVEILLANCE OF DIABETIC RETINOPATHY

Robert Ramsay, MD

A One Period Course – **Intermediate**

New!

Prerequisites: None

This course will discuss the current approach to surveillance and management of diabetic retinopathy. The worldwide epidemic of Type 2 diabetes mellitus has created a major burden for health care practitioners. Current techniques including early detection and appropriate therapy can prevent the majority of serious visual impairment from diabetic retinopathy and it is critical that all health care practitioners are aware of this progress. The course will also outline the integration of newer pharmacologic methods to aid laser photocoagulation and retinal surgical techniques in the management of more advanced diabetic retinopathy.

Objectives:

1. To understand factors that have led to worldwide epidemic of type 2 diabetes
2. To understand the rationale and timing of therapeutic intervention including laser photocoagulation, retinal surgery, and anti- VEGF agents.

1-F-2

BASICS OF AMBLYOPIA - DIAGNOSIS, CAUSE AND TREATMENT

Nancy M. Benegas, MD

A One Period Course – **Intermediate**

Prerequisites: None.

This course will provide an overview of amblyopia- including defining it, diagnosis, causes and treatment for amblyopia. Learn to check vision of pre-verbal and pre-literate children, and how to check vision in literate children.

Objectives:

1. Define amblyopia and its impact on individuals and society
2. Describe causes of amblyopia
3. Learn how to evaluate a child for amblyopia
4. Learn treatment options and rationale for treatment, with hints on how to increase child and parental compliance
5. Learn how to train pediatricians and schools to perform proper vision screening

1-F-3

WHAT'S MY DIVERSITY AWARENESS

Karen Dobbins

A One Period Course - **Basic- JCAHPO "B" credit**

Prerequisites: None

This course will create awareness of participant's biases and beliefs and the impact on the diverse customers they serve. One of the key steps to embracing diversity is the recognition that you have biases that you may not even be aware of. These biases can play themselves out in

many subtle and not so subtle ways. Having this awareness will enhance your ability to understand the diverse customers you serve.

Objectives:

1. Create an awareness of individual biases and beliefs
2. Heighten sensitivity when dealing with diverse patients

1-F-4

THESE GLASSES MAKE ME SEASICK

Gary S. Schwartz, MD

A One Period Course: **Advanced**

Prerequisites: Proficient in refractive skills

As we're well aware, not every patient will be satisfied with a new pair of glasses. Sometime 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 this course, the student will be able to identify problems that patients may be experiencing with their glasses and how to correct those problems.

1-F-5

ROLE OF OMP WITH THE LASIK PATIENT

Gary S. Schwartz, MD

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

Prerequisites: Experience in caring for LASIK patients

Ophthalmic medical personnel are instrumental in management of the LASIK patient. This course will discuss the importance of obtaining a refractive surgery history, performing a pre-operative physical examination, performing special tests such as pupillometry, Schirmer's, pachymetry and topography, assisting during surgery, performing post operative examinations and assisting in data collection and reporting.

Objectives: Describe the technical skills necessary in managing the LASIK patient.

1-F-6

ADULT DIPLOPIA: TRICKS AND TECHNIQUES

Kim Merrill, CO

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

Prerequisites: Knowledge of strabismus measurements and prisms

This course will explain some common and not so common causes of diplopia in adults. Techniques to help control or eliminate diplopia will be discussed.

Objectives:

1. Identify strabismus in adults
2. Describe techniques used to control diplopia

New!

2-F-1

THE ROLE OF ANTI VEGF AGENTS IN THE TREATMENT OF WET AGE RELATED MACULAR DEGENERATION

Wendell C. Danforth, MD

A One Period Course – **Intermediate**

Prerequisites: None

This course will discuss the composition of anti- VEGF agents, their role in the treatment of wet AMD, and their use, including the risks and benefits. The future of these agents will also be covered.

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

1. Describe the composition of anti- VEGF agents
2. Discuss the role of anti- VEGF agents in the treatment of wet AMD
3. List the risks and benefits of these agents
4. Discuss the future of the anti- VEGF agents

2-F-2

SERVICES FOR THE VISUALLY IMPAIRED OR BLIND PATIENT

Lyle Lundquist

A One Period Course – **Basic**

New!

Prerequisites: None

This course will provide an explanation of the Senior Services Unit at the State Services for the Blind including services available, referrals, and communications center services. Discussion of common eye conditions, the progression and their effects on daily activities will also be included, as well as tips on working with blind or visually impaired persons.

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

1. Describe the type of patient who makes a good referral for low vision services
2. Discuss common eye conditions and how their vision limitations affect daily activities
3. List some tips for working with blind or visually impaired persons

2-F-3

THE EYE AND PREGNANCY

Leslie A. Kopietz, MD

A One Period Course – **Basic**

New!

Prerequisites: None

This course will provide an overview of the effects 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.

Objectives:

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-4

GETTING READY FOR THE ACCOMMODATING IOL'S

Bill J. Ganzer, BS

New!

A One Period Course - **Intermediate**

Prerequisites: Knowledge of refractometry, biometry, history taking, keratometry and slit lamp skills

As the population ages and baby boomers start to reach retirement age the ophthalmic technicians will be called upon to work up patients pre and post op that will have accommodating intraocular lenses implanted. This course will discuss the changes in the market and skills that will be needed to satisfy this patient population expectations.

Objective: Upon completion of this course the attendee should be able to:

1. Differentiate between various premium lenses in the market
2. Compare and contrast the benefits of premium channel IOL's
3. Compare present pre - op and post - op patient work up techniques with premium channel IOL pre - op and post -op patient workup techniques
4. Identify how accommodation functions in the phakic patient
5. Compare accommodation in a phakic patient vs a patient with an accommodating IOL implanted.

2-F-5

KEY FEATURES WHEN IN THE EVALUATION OF THE RED EYE

Anthony Pfaff, MD

New!

A One Period Course – **Intermediate**

Prerequisites: None

This course will discuss the key features of both common and potentially sight threatening ophthalmic disorders that present with a red eye.

Objectives:

1. Describe several important causes of red eye
2. Discuss treatment options for these disorders

2-F-6

VISUAL CONSEQUENCES OF TRAUMATIC BRAIN INJURY: THE VA EXPERIENCE

Anne Towey, MD

New!

A One Period Course – **Basic**

Prerequisites: None

One of the signature injuries of the Iraq war (known as OIF-OEF) is the blast injury caused by IEDs (Improvised Explosive Devices) resulting in Traumatic Brain Injuries (TBI). The consequences of TBI vary from mild concussion to severe brain injury. The Minneapolis VA is one of five regional centers specializing in Rehabilitation of what is called "Poly Trauma". A large percentage of these returning veterans have vision problems.

This class will describe the nature of head injury, the type of vision loss that has been documented and some of the proposed treatment recommendations.

Objectives: At the conclusion of this class the participant will:

1. Understand the different gradations of traumatic brain injury
2. Be familiar with the neuroanatomy of the visual system
3. Recognize the potential vision related problems of TBI
4. Identify the appropriate diagnostic tests for TBI vision loss
5. Recommend at least 2 potential treatment options for TBI vision problems

3-F-1,2

PRISM IN OPHTHALMIC LENSES

Richard Wohlever, ABOM

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

Prerequisites: Basic understanding of common algebraic math principles

The lecture will start with the basic description of what a prism is, how prism amount is determined and what factors affect prism thickness and weight. Steps to verify and neutralize prism with the lensometer will be presented. Determining prism amount for common ophthalmic situations will be discussed.

Objectives:

1. Identify the reference points of prism
2. Draw the image and object location of a prism
3. Calculate prism amount using Prentice's Rule
4. Determine vertical and horizontal direction of prism
5. List the steps to verify and neutralize prism
6. Calculate slab - off correction

3-F-3

SYSTEMICALLY WORRISOME SIGNS IN A PEDIATRIC EYE EXAM

Eick Bothun, MD

A One Period Course - **Intermediate**

New!

Prerequisites: None

As eye care providers, we continually use our examination skills to screen patients for various ocular problems. In this process it is critical to also look for the worrisome signs of systemic or neurologic disease. Various clinical scenarios will be shared to highlight "can't miss" critical signs and symptoms in a pediatric eye exam.

Objectives:

1. Recognize various symptoms and history warning signs in a systemically ill child
2. Identify "can't miss" disease features in a pediatric eye exam
3. Understand the relationship between certain systemic diseases and their ocular manifestations.

3-F-4

CATARACTS: PRE- OPERATIVE EVALUATION AND POST OPERATIVE MANAGEMENT

Jonathon Engman, MD

A One Period Course- **Basic**

New!

Prerequisites:None

This course will review cataracts and the pre-operative evaluation and care of the surgical patient.

Objectives

1. Understand the different types of cataracts
2. Take a complete history of visual function
3. Understand when to utilize measurements such as the brightness acuity test and the potential acuity meter
4. Understand the basic surgical procedure for cataract surgery
5. Provide appropriate post-operative care and anticipate post- operative problems and questions

3-F-5

CONTACT LENSES: WHAT'S NEW?

Marlane, J. Brown, OD, FFAO

A One Period Course - **Basic**

New!

Prerequisites: None

There have been a number of recent advances in the contact lens industry. As in all areas of eye care, patient expectations have increased and patients expect us to be able to provide or at least present new options to them. This presentation will cover a few of those notable new options with tips for using them.

1. Hybrid Contact Lenses
2. Hydrogen Peroxide Disinfection
3. Plasma Treatment for Contact Lenses
4. Scleral Design Contact Lenses

Objectives:At the end of this presentation the participant should be able to:

1. Identify 2 new types of contact lenses, the hybrid contact lens and the scleral design
2. Describe the advantages and disadvantages
3. Understand the new technology of plasma treatment for contact lenses

3-F-6

BLEPHAROPLASTY " PEARLS"

Jerry Kobrin, MD

A One Period Course - **Basic**

New!

Prerequisites: None

This course will describe the indications for the surgical treatment of dermatochalasis. This will include various clinical presentations and types of surgery.

The lecture will provide students with a higher comfort level of lid problems.

4-F-1,2A

BASIC OCULAR ANATOMY

Mark Kappahn, OD

A 1.5 Period Course - **Basic**

Prerequisites: None.

This basic course will cover the anatomy of the eye. We will discuss the structure and function of the eye and its relationship to surrounding structures such as the eyelids, orbit, and muscles. Also included will be some recognizable disorders associated with trauma to or abnormalities of the anatomical features of the eye.

Objectives:

1. Recognize a normal eye.
2. Describe the structure and function of the eye, eyelids, orbit and muscles.
3. Recognize some disorders of the normal anatomy of the eye.

4-F-2B,3

THE CORNEA AND EXTERNAL DISEASES

James S. Allen, MD

A 1.5 Period Course - **Intermediate**

Prerequisites: None.

The course will review common diseases of the cornea. Dystrophies, degenerations, infections, and diseases relating to tear and lid dysfunctions will be discussed. Aspects of pathophysiology and treatment will be reviewed.

Objectives:

1. Name three areas within the cornea where dystrophies occur.
2. Differentiate Herpes Simplex and Herpes Zoster.
3. Discuss the consequences of a failing endothelial layer.
4. Explain the importance of recognizing epidemic keratoconjunctivitis.
5. Outline the treatment of an inflamed pterygium and when surgery is indicated.

4-F-4

INTRODUCTION TO KERATOMETRY

Jeffery Bennett, OD

A One Period Course: **Basic**

Prerequisites: None

Keratometry is a widely accepted technique for measuring anterior corneal curvature. Keratometry is essential in the fitting of both rigid and soft contact lenses and is also important in calculating intraocular lens power for cataract surgery. This course will outline the calibration, use, and interpretation of the keratometric measurements.

Objectives:

1. Describe how the keratometer works
2. List the proper steps in calibrating the keratometer
3. List the step-by-step approach in taking accurate "k" readings
4. Outline the interpretation of "k" readings

4-F-5

OPHTHALMOLOGY AND MULTIPLE SCLEROSIS

J. Timothy Diegel, MD, FACS

A One Period Course - **Intermediate**

Prerequisites: None

This course will include a review of the general characteristics of multiple sclerosis. The eye finding in MS, especially optic neuritis and extraocular muscle abnormalities will be discussed. The office tests which are performed for MS pathology will be described. Recent recommendations for treatments and the prognosis will be presented.

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

1. List general characteristics of multiple sclerosis
2. Describe eye findings in multiple sclerosis
3. Perform ophthalmic eye tests for abnormalities found in multiple sclerosis

4-F-6

OPTIC NEURITIS AND VITAMIN D - THE RELATIONSHIP

New!

J. Timothy Diegel, MD, FACS

A One Period Course- None

This course will review new information about the importance of Vitamin D. There is now an explanation of why MS and other cancers are more prevalent in certain parts of the U.S and Europe.

Objectives:

1. Describe the basic chemistry of Vitamin D
2. Explain the importance of sun exposure to the immune system
3. Identify the various diseases, including eye diseases, related to low Vitamin D levels.

5-F-5

KERATOMETRY WORKSHOP

Jeffrey R. Bennett, OD, et al

A One Period Workshop – Basic

(Limited to 16 Participants)

Prerequisites: Attendance in "Introduction to Keratometry" lecture (Course 4-F-4) is required. Tickets for this workshop will be issued only in conjunction with the lecture.

This workshop will provide the participant with the opportunity for hands-on experience with the keratometer.

Objectives:

1. Identify the parts and function of the keratometer.
2. Demonstrate the ability to operate the keratometer to adequately take K measurements.

1-SA-1

BLOODBORNE PATHOGENS: IGNORANCE IS BLISS?

Dianna Graves, COMT

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

Prerequisites: Anatomy of the body, basic clinical skills

This course will discuss signs and symptoms of the various diseases that staff can/do come into contact within a medical practice setting. These disease will include: Hepatitis, HIV & AIDS. We will discuss how these diseases are spread, how to best protect ourselves and what role Standard Precautions (Universal Precautions) plays in protecting ourselves and the patient

Objectives: By the end of the class, the student should be able to:

1. Discuss the difference between HIV & AIDS
2. Discuss the different variations of Hepatitis
3. Discuss Standard Precaution procedures and their usage in the clinic setting.
4. Identify office practices that may put staff at risk to contract these diseases

New!

1-SA-2

TECHNICIANS AND ANATOMY OF GLAUCOMA

Dianna Graves, COMT

A One Period Course **Basic/Intermediate**

Prerequisites: Anatomy of the Eye

Glaucoma is one of the leading causes of blindness in the world- yet is one of the most misunderstood diseases your doctor deals with. Understanding the anatomical dynamics of this disease is difficult due to the "perceptions" we, as well as our patients have, regarding ideal IOP readings, VF results, and corneal thickness evaluations! What do the numbers " mean" to your doctor?

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

1. Discuss dynamics of aqueous production, mechanisms of outflow and IOP
2. Discuss central corneal thickness theory as a potential indicator of glaucoma

New!

1-SA-3

THE UGLY EYE- WHAT DO I DO WITH THAT?

Dianna Graves, COMT

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

Prerequisites: Anatomy of the Eye, Basic clinical skills

This course will discuss eye trauma and signs and symptoms of ocular diseases in regard to the "urgency" needed getting them in to see a physician. We will discuss why some problems are "not as bad as they look" whereas other "non- urgent" appearing eyes need immediate attention.

Objectives: By the end of this class the student should be able to:

1. Identify the most common eye traumas and their urgency
2. Identify the most common eye diseases and their urgency
3. Identify the difference between: Urgent, Semi- urgent and routine appointments and examples of each.

1-SA-4

MOTOR PHYSIOLOGY

Evan Ballard, MD

A One Period Course – **Basic**

Prerequisites: None

This course will explore the terms and principles of the coordination of movement of the two eyes. The laws governing eye movement and the centers of control of those movements will be discussed. We will describe the methods of assessing eye movement for abnormalities and variations.

Objectives: The participant will be able to

1. Use appropriate terms to describe monocular and binocular eye movement.
2. Identify the groups of eye muscles that cooperate in balancing eye position and movement
3. Describe the laws that govern eye movement
4. Diagram the positions in which eye muscles movement is tested and recognize overaction and underaction of individual eye muscles

New!

1-SA-5

DUANE'S RETRACTION SYNDROME

Evan Ballard, MD

A One Period Course-Intermediate- Advanced

Prerequisites: Basic knowledge of strabismus terms

This course will explore the etiology and clinical presentation of Duane's syndrome, Types I, II and III. The physical characteristics of the syndrome will be shown and the student will learn to recognize Duane's syndrome in its various forms. Associated anomalies which may occur with Duane's syndrome may be listed and those features which distinguish Duane's syndrome from other motility disorders with similar appearance will be demonstrated.

Objectives: Upon completion of the course the participant should be able to:

1. Identify the characteristics of three forms of Duane's syndrome
2. Recognize Duane's syndrome in a clinical setting
3. Distinguish Duane's syndrome from abducens palsy and congenital esotropia
4. Distinguish Duane's syndrome from inferior oblique overaction

1-SA-6

INTERNATIONAL OPHTHALMIC MISSIONS

Brian Hamann, OD; Kathy Sylvester, COT

A One Period Course - **Basic** - JCAHPO "**B**" credit

Prerequisites: None

This course will discuss the roles that ophthalmic personnel (both technical and non-technical) can have in providing eye care to underserved populations. A visual presentation of several international mission trips will be shown

New!

Objectives:

1. Recognition of how your skills can be instrumental in giving the gift of sight
2. Clarify expectations for mission trips
3. Understanding of challenges faced

2-SA-1

BASIC DSEK: DESCEMET'S STRIPPING ENDOTHELIAL KERATOPLASTY

Omar Awad, MD

A One Period Course – **Intermediate**

New!

Prerequisites: Knowledge of ocular anatomy

This course will discuss the basics of corneal anatomy and physiology and conditions which can lead to endothelial failure and corneal decompensation. The history and evolving current methods of endothelial keratoplasty will be discussed.

Objectives:

1. Identify appropriate candidates for DSEK
2. Understand the pre-operative, and post-operative care of patients undergoing DSEK surgery.

2-SA-2

USE OF INTACS CORNEAL RING SEGMENTS IN THE MANAGEMENT OF KERATOCONUS AND CORNEAL ECTASIS

Omar Awad, MD

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

New!

Prerequisites: A basic understanding of ocular anatomy

This course will review some of the basics of corneal anatomy and physiology, and will discuss the current and evolving techniques in the treatment of keratoconus and corneal ectasis.

Objectives:

1. Describe and differentiate between corneal ectasis
2. Explain how Intacs can alter the corneal shape
3. Explore additional alternatives to penetrating keratoplasty in the treatment of corneal ectasis

2-SA-3

CARDIOVASCULAR DISEASE AND THE EYE

Goeffrey G. Emerson, MD, PhD.

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

New!

Prerequisites: None

This course will present examples of the various eye conditions that result from hypertension and cardiovascular disease. Specific diseases covered include iris neovascularization, vitreous hemorrhage, retinal artery and vein occlusion, ocular ischemic syndrome, and cholesterol emboli.

Objectives:

1. Identify the ocular conditions that occur in patients with cardiovascular disease
2. Explain when to screen a patient for hypertension or angle neovascularization
3. Determine when patient needs to see their primary care doctor

2-SA-4

A-SCANS TECHNIQUES AND TECHNOLOGIES - A DISCUSSION

James Sutherland, BS, COMT

Joseph Sutherland, COMT

A One Period Course- **Intermediate**

Prerequisites:An understanding of basic A Scan principles and uses

This course is intended to provide an understanding of current A -scan techniques and technologies that are available today, along with the advantages and disadvantages of each. Multiple views will be given regarding techniques for using the different technologies. Time will be reserved for questions and answers regarding troubleshooting techniques for all of the technologies discussed.

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

1. Apply other patient measurements (such as patient glasses RX, K readings, opposite eye measurement) as a double check for accuracy.
2. Identify difference between proper and improper techniques and the results each will produce as applied to; contact, Immersion and IOL Master A-scans.
3. Identify the proper time to test contrast sensitivity when doing an exam

2-SA-5

CONTRAST SENSITIVITY TESTING; IMPLEMENTATION OF AN OLD TEST INTO NEW EXAMS

James Sutherland, BS, COMT

A One Period Course- **Basic**

This course is intended to provide information on the increasing use of contrast sensitivity testing. Different methods of contrast sensitivity testing, along with the testing process will be discussed. New IOL technology, and surgical procedures as they relate to contrast sensitivity testing will be discussed. Using contrast sensitivity testing in the evaluation and qualification of a cataract patient will also be covered.

Objectives:

1. Understand the difference in the information that is obtained in standard visual acuity testing and the information that is gathered when you add contrast sensitivity testing to the exam
2. Demonstrate the knowledge of the proper way to test contrast sensitivity
3. Identify the proper time to test contrast sensitivity when doing an exam
4. Identify areas of ophthalmology where contrast sensitivity testing may be beneficial

New!

2-SA-6

CATARACT PATIENT OR REGULAR PATIENT?

Joseph Sutherland, COMT

A One Period Course- **Basic**

New!

Prerequisites: General knowledge of ocular anatomy, terminology and the exam process. More often than not most technicians realize, they are simply putting their heads down and ignoring signs and symptoms a patient presents. They just want to get through clinic. Unfortunately, this can cause them to miss surgical patients, and those patients could be missed refractive surgical patients. This course is intended to help the technician identify early on in the exam process a cataract, or refractive surgical candidate and provide them with the knowledge to make sure all information needed is gathered *from* the patient as well as provided *to* them. All appropriate tests are done prior to seeing the doctor, so the last stop can be a surgical coordinator. This will eliminate the doctor having to send the patient back to the technician for more testing and also increase clinic flow.

Objectives:

1. Provide knowledge of ways to profile your patients based on information you already have(health history, previous exams, etc)
2. Identify indications that should be recognized as possible surgical candidates
3. Identify the proper tests to perform, once patients indicates complaint that relate to a potential need for surgery
4. Recognize how advances in IOL technology are changing the ways we have to screen our patients
5. Be able to return to clinic and demonstrate and discuss ways to improve clinic flow

3-SA-1

HERPES ZOSTER OPHTHALMICUS: AN OVERVIEW

Scott Uttley, MD

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

Prerequisites: A basic understanding of ocular anatomy

Herpes Zoster Ophthalmicus (HZO) 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 new Zostavax vaccine in adults will also be covered.

Objectives:

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

3-SA-2

TONOMETRY: FUNDAMENTALS OF INTRAOCULAR PRESSURE MEASUREMENT

Noralva Gould, COMT

A One Period Course - **Basic**

Prerequisite: None.

This course will discuss the principles of intraocular pressure by using the following methods of measurement, applanation, indentation, and pneumo- tonometry.

Types of measurement include: Goldmann, Perkins, Schiötz, Pneumo- tonometer, and

tonopen. Emphasis will be on Goldmann. Included in the lecture will be calibration of instruments, cleaning of equipment and general overview of the anatomy involved with measurement

Objectives:

1. Discuss the concepts of applanation, indentation and pneumotometry
2. Explain the differences in Goldmann, Perkins, Schiotz, and pneumo-tonometry
3. Explain the proper sterilization techniques for each tonometer mentioned.

3-SA-3

OPTICAL COHERENCE TOMOGRAPHY LECTURE

Gary Michalec, COA, CRA

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

Prerequisites: NONE- course required prior to workshops

This course will discuss the photographic techniques of optical coherence tomography. Fundamentals in the operation of the instrument and clinical examples will be presented. Tips and techniques in obtaining diagnostic images will be shown. Common scan modes and their clinical application will be discussed and demonstrated. Comparative images of OCT and traditional ophthalmic photography images will be shown.

Objectives: Upon completion of this course, participants should be able to list basic techniques for OCT procedures, and identify some of the common scans for OCT interpretation.

New!

3-SA-4

OCULAR MANIFESTATIONS OF SYSTEMIC DISEASE

Aaron Tsai, MD

A One Period Course - **Intermediate**

Prerequisites: None

This course will review various systemic diseases and how they may present with ocular findings. Several neurological, inflammatory, infectious, metabolic, auto-immune, cardiovascular, and oncological conditions will be discussed

Objectives:

1. Understand the systemic diseases that commonly present with ocular signs
2. Identify areas in history-taking and technical exam that will help correlate ocular findings to systemic diseases

New!

3-SA-5

IOL CALCULATIONS AFTER REFRACTIVE SURGERY

Sherman Reeves, MD

A One Period Course - **Intermediate**

Prerequisites: None

This course will discuss the sources of inaccuracy of intraocular calculations in patients who have had LASIK or PRK. Several methods for estimating or adjusting keratometry measurements and adjusting intraocular lens power in these patients will be reviewed, and an overall strategy for dealing with these cases presented.

Objectives:

1. Describe the sources of error for standard IOL calculations in post refractive patients
2. Understand and apply current methods for determining proper IOL power in post refractive patients

3-SA-6

TELEPHONE TRIAGE IN THE OPHTHALMIC PRACTICE

Michael LaQua, COMT

A One Period Course: **Basic**

Prerequisites: This course will discuss the questions needed to be asked to determine if and when a patient needs to be seen by an eye doctor. It will also cover triage guidelines that are used in some ophthalmic practices.

Objectives: At the completion of the course the participant should be able to efficiently screen a call and determine if the patient is having an eye emergency and needs to be seen ASAP, or if the patient is having an eye problem that can wait a few hours, days, or weeks.

4-SA-1

A SYSTEMATIC APPROACH TO REFRACTOMETRY

Robert Anderson, COMT

A One Period Course - **Intermediate**

Prerequisites: Basic Refractometry skill

This course is designed to help ophthalmic medical personnel realize the importance of utilizing all of their skills and equipment in the performance of accurate refractometry. We will discuss the role of history taking and visual acuity testing as well as the use of the keratometer, retinoscope and corneal topographer in performing refractometry. Actual clinical refractive challenges will be presented with their solutions.

Objectives:

1. List some of the more difficult problems encountered in refractometry
2. Describe solutions for those problems

4-SA-2,3

INTRODUCTION TO PLUS CYLINDER RETINOSCOPY

Robert Anderson, COMT

A Two Period Course - **Basic**

Prerequisites: Familiarity with the concepts of "plus" vs. "minus" lenses, "spherical" vs. "cylindrical" lenses and the optical principle that for any lens the power (D) is equal to the reciprocal of its focal length ($1/f$).

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 phenomena of "with" motion, "against" motion and "neutral" behavior of the retinoscopic reflex will be described and explained. The retinoscopic working distance will be explained as well as the technique for taking this factor into account. The system of notation of retinoscopic findings will be explained, along with methods for transposing this data into conventional optical expressions of "sphere", "cylinder" and "axis".

Objectives:

1. Demonstrate the ability to explain hyperopia, myopia, and astigmatism
2. Demonstrate an understanding of the mechanism and functioning of the streak retinoscope
3. Describe the various types of behaviors of the retinoscopic results and transposing those results into spherocylindrical form

4-SA-4

COMMON PEDIATRIC OPHTHALMOLOGY PROBLEMS

Mrunalini Parataneni, MD

A One Period Course – **Basic**

Prerequisites: None

An interactive discussion will detail common case scenarios with presentation of patient history and examination findings. Discussion will include the features of the diagnosis, differential diagnosis and treatment.

Objectives: Upon completion of this course the participant will be able to describe treatment for various diagnoses that relate to common pediatric ophthalmic problems.

4-SA-5B,6

SLIT LAMP: BASIC PRINCIPLES

Britt Mitchell, OT

A One Period Course - **Basic**

Prerequisites: None

This course will present the basic knowledge necessary for understanding the operation of the slit lamp.

Objectives: Discuss and demonstrate the character and use of a slit lamp microscope, methods of illumination, and accessory devices associated with the slit lamp microscope.

5-SA-1,2,3

BASIC SKILLS FOR OPHTHALMIC MEDICAL ASSISTANTS

Britt F Mitchell and Yvonne C Liu, COMT

A Two Period Workshop-**Basic** (Limited to 40 Participants)

Attendees should bring a penlight to this course

Prerequisites: None

This course will cover the essential, yet basic, tasks of obtaining and documenting a complete patient history and visual acuity testing; proper technique for instilling drops and ointments; proper technique for testing pupils, and the techniques of basic confrontation field testing

Objectives:

1. Obtain a complete medical ophthalmic history
2. Perform an accurate visual acuity test
3. Explain how to properly instill drops and ointments
4. Demonstrate proper technique for testing pupils
5. Demonstrate proper technique for basic confrontation field testing

5-SA-5

DIABETES UPDATE IN AND AROUND THE WORLD

Antonio Cutino, COT

A One Period Course- Intermediate (Limit 40 participants)

Prerequisite: None

Diabetes Mellitus is quickly becoming a worldwide epidemic increasing the concern for ophthalmology professionals. This course will discuss the impact diabetes has on the eye; the retina and cornea along with how it impacts glaucoma, cataracts and refractive surgery. Current treatment options will be discussed.

Objectives:

1. Understand the seriousness of the increased incidence of diabetes on the world population
2. Discuss the impact diabetes has on the eye and various conditions of the eye.
3. Describe treatment options for ocular diabetic conditions.

New!

6-SA-4-5

OPTICAL COHERENCE TOMOGRAPHY WORKSHOP

Gary Michalec, COA, CRA

A Two Period Workshop-Intermediate (Limited to 30 Participants)

Prerequisites: Attendance in Course 3-SA-3 is required. Tickets for this workshop will only be issued in conjunction with the lecture.

Attendees will have the opportunity to study the OCT software in greater depth, perform, and discuss the value of the various scans available for the ophthalmic subspecialties. How to customize scans for Clinical Trial protocols or individual practice use will be demonstrated.

Objectives: At the end of this workshop, participants should be able to list 5 scan modes and cite examples of their application and demonstrate how to customize scans.

New!

7-SA-4, 7-SA-5, 7-SA-6

TONOMETRY WORKSHOP

Noralva Gould, COMT, et al

A One Period Workshop- Basic (Limited to 12 Participants)

Prerequisites: Attendance in Course 3-SA-2 is required. Tickets for this workshop will be issued only in conjunction with the lecture. The participants should have a basic knowledge of the slit lamp microscope.

This workshop will provide the foundation for performing tonometry using a variety of instruments including the Goldmann, Schiotz, and Tonopen. It will also demonstrate instrument maintenance. Intraocular simulators will be used.

Objectives:

1. Describe each instrument used and the difference in techniques
2. Discuss the problems/ solutions for each tonometer mentioned
3. Discuss proper cleaning/ sterilization and maintenance for each tonometer.

1-SU-1

GRAND ROUNDS

P. Riedel, MD; Wm. Brown, OD

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

New!

Prerequisites: Knowledge of refraction and visual acuities

Grand Rounds format presentation of cases from various sub specialties in ophthalmology that the audience will be able to participate in determining the cause(s) and possible outcomes.

Glaucoma : Several case reports of glaucoma or potential glaucoma patients will be presented. These case reports will be used as a tool to explore how glaucoma is diagnosed and followed for signs of progression. Examples of how modern technology (visual fields and nerve fiber layer analysis) is used will be demonstrated. As is typical of grand rounds, audience participation will be encouraged.

Objective: At the end of this course attendees will see how a patient with potential glaucoma is approached and worked -up in the ophthalmologists office, and will better understand how current technology fits into the modern practice of glaucoma care.

Refraction Tips for Techs: This course presents through case examples ways to compare refraction data for consistency and tips to improve the accuracy of refraction for certain patients. The conversion of bifocal add to expected working distance is discussed together with using the working distance to modify the distance refraction

Objectives:

1. Explain how the multifocal add determines the expected test distance for near visual acuities
2. use the working distance achieved through the reading add to help refine the refraction
3. Describe how the differences in optical characteristics of a lined multifocal and progressive addition lens impact the performance during visual acuities
4. Describe techniques that can improve the accuracy of a refraction

1-SU-2

GRAND ROUNDS

D. Whiting, MD; J. Sanderson, MD

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

New!

Prerequisites: None

Grand Rounds format presentation of cases from various sub specialties in ophthalmology and the audience will be able to participate in determining the cause(s) and possible outcomes.

Complex Refractive Surgery Issues: This course will discuss when to counsel patients to consider or NOT consider having another refractive procedure done. We will describe the challenges in taking care of patients who have undergone previous RK, CK, pseudophakic or phakic IOL, penetrating keratoplasty, Intacs, LASIK or PRK and the various combinations that are now becoming prevalent in our patient population.

Objectives:

1. Describe situations where a patient should consider NOT having further refractive surgery.
2. Discuss various challenges in caring for patients who have undergone refractive surgery procedures

Basics of the Refractive Surgery Work -Up: This course will discuss the basics of the refractive surgery work -up. Refractive surgery is a common and very precise. The information obtained in the pre- operative work -up is critical in delivering a high level treatment. Inaccuracies can lead to poor outcomes. What information is important to obtain and what is the rationale for each of the pre-operative studies. Careful stepwise approach to the evaluation and management of the refractive surgery patient will be discussed in detail.

Objectives:

1. Describe the important steps in the evaluation of the refractive surgery patient
2. Identify conditions that require special attention (high refractive errors, dry eyes.etc

1-SU-3

GRAND ROUNDS

Richard Johnston, MD; MN Eye Bank Representative

A 1.0 Period Course- **Intermediate**

New!

Prerequisites:None

Grand Rounds format presentation of cases from various sub specialties in ophthalmology and the audience will be able to participate in determining the cause(s) and possible outcomes.

Retinal Diseases: This course will discuss through case presentations some of the core diseases and treatments in retina

Objectives:

1. Recognize several important retinal diseases
2. Become familiar with important retinal symptoms
3. Formulate an appreciation of the urgency of some retinal conditions

Eye Donation: This course will discuss the value of the gift of sight through eye donation.

2-SU-1

EVALUATION OF THE PATIENT BEFORE THE DILATING DROPS GO IN (WHAT IS AN AFFERENT PUPILLARY DEFECT AND WHY IS IT IMPORTANT?)

Steven Bennett, MD

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

New!

Prerequisite: None

This course will discuss the importance of the technical staff's evaluation of the patient prior to dilation with emphasis on conditions that are important in a retina practice. Special emphasis will be given to the importance of an afferent pupillary defect and how to recognize the afferent pupillary defect. Other important features that are changed by dilation such as rubeosis, a narrow angle or iris supported intraocular lenses will be demonstrated. An understanding of the afferent pupillary defect as well as practical recognition of the afferent pupillary defect will be emphasized.

Objectives:

1. Understand the physiology of an afferent pupillary defect
2. Recognize an afferent pupillary defect on videotape
3. Recognize other ocular features that may be changed by dilation

2-SU-2

RETINOPATHY OF PREMATURETY AND PEDIATRIC RETINAL DISEASES

Polly A. Quiram, MD

A One Period Course - **Intermediate**

New!

Prerequisite: Basic knowledge of ocular anatomy

This course will discuss current knowledge and concepts of pediatric retinal diseases including retinopathy of prematurity (ROP) and the most commonly encountered pediatric retinal diseases. pathophysiology of diseases, prognosis and treatment options will be discussed.

Objectives:

1. Describe the most common pediatric retinal diseases
2. Improve understanding of diagnosis, treatment and visual outcomes concerning these diseases.

2-SU-3

ALPHABET SOUP

Geri Jewell, COT

A One Period Course- **Basic**

New!

Prerequisite: General medical knowledge of the eye, specifically the optic nerve and RNFL

A comparative look at the differences between GDx, HRT and OCT. Comparisons and similarities will be discussed regarding these diagnostic testing instruments, as well as some hints as to how technicians can capture the best images for their physicians.

3-SU-1,2

PLUS CYLINDER RETINOSCOPY WORKSHOP

Robert B. Anderson, COMT etal

A Two period workshop- **Basic (Limited to 36 participants)**

Participants will be required to provide their own retinoscope and 2 charged batteries Retinoscopy lecture (course 4-SA-2,3) is required. Tickets for this workshop will be issued only in conjunction with the lecture.

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.

1. Introduction to the mechanics and optics of the streak retinoscope, to include operating the switch, inserting and removing the bulb and holding the retinoscope so that the sleeve can be rotated as well as raised and lowered.
2. Demonstration of how the positions of the sleeve affect the behavior of the retinoscopic reflex and how the optics of the eye affects this behavior.
3. Demonstration and instruction in recognizing "with" "against" and "neutral" behavior of the retinoscopic reflex.
4. Demonstration of how to estimate the appropriate working distance and an explanation of its role in the measurement process
5. Instruction in using the retinoscope to estimate spherical and cylindrical error
6. Instruction in converting retinoscopic results into conventional optical expressions 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 the results in conventional optical terms.

4-SU-1,2

OPTICAL COHERENCE TOMOGRAPHY WORKSHOP

New!

Gary Michalec, COA, CRA

A Two Period Workshop-**Intermediate** (Limited to 30 Participants)

Prerequisites: Attendance in Course 3-SA-3 is required. Tickets for this workshop will only be issued in conjunction with the lecture.

Attendees will have the opportunity to study the OCT software in greater depth, perform, and discuss the value of the various scans available for the ophthalmic subspecialties. How to customize scans for Clinical Trial protocols or individual practice use will be demonstrated.

Objectives: At the end of this workshop, participants should be able to list 5 scan modes and cite examples of their application and demonstrate how to customize scans.

5-SU-1 or 5-SU-2 or 5-SU-3

SLIT LAMP WORKSHOP

Bonny Hunt, COMT, et al.

A One Period Workshop- **Basic** (Limited to 16 Participants)

Prerequisites: Attendance in Course 4-SA-5B,6 is required. Tickets for this workshop will only be issued in conjunction with the lecture.

This workshop will provide the participant with the opportunity for hands on experience with the slit lamp microscope.

Objectives:

1. Describe the character and use of the slit lamp
2. Identify the different methods of illumination
3. Identify the accessory devices used with the slit lamp

PERSONAL SCHEDULE

DAY/TIME	COURSE TITLE	ROOM
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FRIDAY

8:30 - 9:30 am

9:45 - 10:45 am

11:00 - 12:00

1:00 - 2:00 pm

2:15- 3:15 pm

3:30- 4:30 pm

SATURDAY

8:30 - 9:30 am

9:45 - 10:45 am

11:00 - 12:00

1:00 - 2:00 pm

2:15 - 3:15 pm

3:30 - 4:30 pm

SUNDAY

8:30 - 9:30 am

9:45 - 10:45 am

11:00 - 12:00

Friday, May 16, 2008

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-F-1 Current Mngmt and Surveillance of Diabetic Retinopathy (I-A) Ramsay (Page 6)	1-F-2 Basics of Amblyopia (I-A) Benegas (Page 6)	1-F-3 What's My Diversity Awareness? (I) Dobbins (Page 6)	1-F-4 These Glasses Make Me Seasick (I) Schwartz (Page 7)	1-F-5 Role of OMP in Refractive Surgery (I) Schwartz (Page 7)	1-F-6 Adult Diplopia: Tips and Tricks (I) Merrill (Page 7)
BALLROOM II	2-F-1 Anti- VEGF Agents (I-A) Danforth (Page 8)	2-F-2 Services for the Visually Impaired or Blind Patient (B) Lundquist (Page 8)	2-F-3 The Eye and Pregnancy (I) Kopietz (Page 8)	2-F-4 Get Ready for Accommodating IOLs (I) Ganzer (Page 9)	2-F-5 Evaluation of the Red Eye (B) Pfaff (Page 9)	2-F-6 Visual Consequences of Traumatic Brain Injury (I) Towey (Page 9)
BALLROOM III	3-F-1,2 Prism in Ophthalmic Lenses (I) Wohlever (Page 10)		3-F-3 Worrisome Signs in a Pediatric Eye Exam (I-A) Bothun (Page 10)	3-F-4 Cataracts: Pre-Op Eval & Post- Op Mgmt (I) Engman (Page 11)	3-F-5 Contact Lenses: What's New (I) Brown, M (Page 11)	3-F-6 Blepharoplasty "Pearls" (I) Kobrin, J (Page 11)
BALLROOM IV	4-F-1,2A 8:30-10:00 Basic Ocular Anatomy (B) Kapphahn (Page 11-12)	Coffee Break - 10:00-10:30	4-F-2B,3 10:30-12:00 Cornea & External Diseases (I) Allen (Page 12)	4-F-4 Introduction to Keratometry (B) Bennett (Page 12)	4-F-5 The Eye & MS (I) Diegel, T (Page 13)	4-F-6 Optic Neuritis & Vitamin D (I) Diegel, T (Page 13)
CARDINAL PERCH					5-F-5 Keratometry Workshop (W-B) Bennett (Page 13)	

Luncheon- 12:00 - 1:00 Included with Registration

New Course Offering
 B - Basic
 I - Intermediate
 A - Advanced
 W - Workshop

Saturday, May 17, 2008

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 Blood Borne Pathogens (I) Graves, D (Page 14)	1-SA-2 Technicians and Anatomy of Glaucoma (I) Graves, D (Page 14)	1-SA-3 The Ugly Eye (I) Graves, D (Page 14)	1-SA-4 Motor Physiology (I) Ballard (Page 15)	1-SA-5 Duane's Retraction Syndrome (B) Ballard (Page 15)	1-SA-6 International Ophthalmic Missions (B) Hamann, Sylvester (Page 15)
BALLROOM II	2-SA-1 Basic DSEK (I) Awad (Page16)	2-SA-2 Use of Intacs (I) Awad (Page16)	2-SA-3 Cardiovascular Disease and the Eye (I-A) Emerson (Page 16)	2-SA-4 Ascan Techniques & Technologies Discussion (I) Sutherland (Page 17)	2-SA-5 Contrast Sensitivity Testing (I) Sutherland, (Page 17)	2-SA-6 Cataract Patient or Regular Exam? (I) Sutherland, (Page 17-18)
BALLROOM III	3-SA-1 Herpes Zoster (I) Uttley (Page18)	3-SA-2 Tonometry: Fundamentals.. (Lecture) (B) Gould (Page 18)	3-SA-3 OCT Lecture (I) Michalec (Page 19)	3-SA-4 Ocular Manifestations of Systemic Disease (I) Tsai (Page 19)	3-SA-5 IOL Calculations After Refractive Surgery (I-A) Reeves (Page 19)	3-SA-6 Telephone Triage (B) LaQua, M (Page 20)
BALLROOM IV	4-SA-1 A Systematic Approach to Refractometry (I) Anderson (Page 20)	4-SA-2,3 Introduction to Plus Cylinder Retinoscopy (B) Anderson (Page 20)		4-SA-4 Common Pediatric Ophthalmology Problems (I) Parvataneni (Page 21)	Break - 2:00-3:00	4-SA-5B,6 3:00-4:30 Slit Lamp: Basic Principles (B) Mitchell (Page 21)
WOOD DUCK POND	5-SA-1,2,3 Basic Skills for OMPs (W-B) Mitchell & Liu (Page 21-22)				5-SA-5 Diabetes Update in and Around the Globe (I) Cutino (Page 22)	
HAWKS RIDGE				6-SA-4,5 OCT Workshop (I) Michalec (Page 22)		
CARDINAL PERCH				7-SA-4 Tonometry Workshop (W-B) Gould (Page 22)	7-SA-5 Tonometry Workshop (W-B) Gould (Page 22)	7-SA-6 Tonometry Workshop (W-B) Gould (Page 22)

Luncheon - 12:00 - 1:00 Included with Registration

New Course Offering
 B - Basic
 I - Intermediate
 A - Advanced
 W - Workshop

Sunday, May 18, 2008

Hotel Room Time	8:30-9:30	9:45- 10:45	11:00- 12:00
BALLROOM I-II	1-SU-1 Grand Rounds (I-A) 1. Reidel, P- Glaucoma 2. Brown, Wm.- Refractive (Page 23)	1-SU-2 Grand Rounds (I-A) 1. Whiting- Refractive 2. Sanderson, J - post op managment (Page 23-24)	1-SU-3 Grand Rounds (A) 1.Richard Johnston- Retina 2.MN Eye Bank- Eye Donation (Page 24)
BALLROOM III-IV	2-SU-1 Evaluation of the Patient Before the Dilating Drops Go In (B-I) Bennett (Page 25)	2-SU-2 Pediatric Retinal Disease and ROP (I-A) Quiram (Page 25)	2-SU-3 Alphabet Soup (B) Jewell (Page 25)
WOOD DUCK POND	3-SU-1,2 Plus-Cylinder RetinoscopyWorkshop (W-B)Anderson (Page 25) Prerequisite:Course 4-SA-2,3		
HAWKS RIDGE	4-SU-1,2 OCT Workshop (I) Prerequisite:Course 3-SA-3 Michalec (Page 26)		
CARDINAL PERCH	5-SU-1 Slit Lamp Workshop (W-B) Hunt (Page 26)	5-SU-2 Slit Lamp Workshop (W-B) Hunt (Page 26)	5-SU-3 Slit Lamp Workshop (W-B) Hunt (Page 26)
	Prerequisite for Slit Lamp Workshops Course 4-SA-5B,6:		

New Course Offering
 B - Basic
 I - Intermediate
 A - Advanced
 W - Workshop

31st Annual CE Program
May 16-18, 2008

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 M.I. LAST

Home Address _____

City _____ State _____ Zip _____

E-mail Address _____

EMPLOYER INFORMATION

Name of Employer _____

Business Address _____

City _____ State _____ Zip _____

Business Telephone _____ Fax: _____

1. Which category best describes your professional activities? (check all that apply):

- Clinical/Diagnostic Testing
- Clinical Research
- Coding
- Contact Lenses
- Surgical Assisting
- Ophthalmic Photography

- Optical
- Low Vision
- Nursing
- Office Admin.
- Surgical Coord.
- Front Office

2. Are you JCAHPO Certified: Yes No

3. If yes, level of certification:

COA ____ COT ____ COMT ____ CCOA ____

Complete Course Ticket Order Form on Reverse Side

SELECTION OF COURSES

Registrant: _____

First Name

M.I.

Last Name

MULTIPLE PERIOD COURSES CANNOT BE DIVIDED

PERIOD	1	FIRST CHOICE		SECOND CHOICE	
		Course No.	Instructor	Course No.	Instructor
(F)riday AM	1				
	2				
	3				
(F)riday PM	4				
	5				
	6				
(SA)turday AM	1				
	2				
	3				
(SA)turday PM	4				
	5				
	6				
(SU)nday AM	1				
	2				
	3				

Did you remember to write your name at the top?

To obtain lowest registration fee, mail on or before April 25, 2008
Check must accompany registration form. Make check payable to:

School of Ophthalmic Medical Technology
Regions Hospital - 12101C
640 Jackson Street
St. Paul, MN 55101

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

<u>TUITION:</u>	<u>Before 4/25/08</u>	<u>After 4/25/08</u>
1-3 people	\$375 each	\$475 each
4-6 people	\$350 each	\$450 each
7-9 people	\$325 each	\$425 each
10+	\$300 each	\$400 each

