773rd meeting

MEDICAL MANAGEMENT OF CORNEAL DISEASES

Adam Sise, MD
MODERATOR
Jeremy Kieval, MD
PROGRAM COMMITTEE COORDINATOR

SUBSPECIALTY SESSIONS:
Trends In Refractive Surgery: From Baby Boomer To Millenial
Kathryn Hatch, MD
MODERATOR

Advances In Posterior Segment Imaging
Nadia Waheed, MD, MPH
MODERATOR

Paradigm Shifts In Pediatric Ophthalmology
Jason Mantagos, MD
MODERATOR
Gena Heidary, MD, PhD
PROGRAM COMMITTEE COORDINATOR

MARCH 1, 2019
Back Bay Event Center
180 BERKELEY STREET | BOSTON, MA 02115
MEDICAL MANAGEMENT OF CORNEAL DISEASES

Adam Sise, MD, Moderator
Jeremy Kieval, MD, Program Committee Coordinator

SUBSPECIALTY SESSIONS:

TRENDS IN REFRACTIVE SURGERY:
FROM BABY BOOMER TO MILLENIAL

Kathryn Hatch, MD, Moderator

ADVANCES IN POSTERIOR SEGMENT IMAGING

Nadia Waheed, MD, MPH, Moderator

PARADIGM SHIFTS IN PEDIATRIC OPHTHALMOLOGY

Iason Mantagos, MD, Moderator

Gena Heidary, MD, PhD, Program Committee Coordinator

Accreditation:
Accreditation: The New England Ophthalmological Society designates this live activity for a maximum of 7 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The New England Ophthalmological Society is accredited by the Massachusetts Medical Society to provide continuing medical education for physicians.
Dear NEOS Members,

Happy 2019! I hope all of you had the opportunity to relax and recharge over the holidays and to spend time with friends and family. The new year brings with it a renewed sense of gratitude and purpose. The New England Ophthalmological Society is committed to helping you navigate the challenges and changes facing all of us by continuing to offer the highest level of educational content, ideas, inspiration, and experience. I am increasingly grateful to be a part of this dynamic society, which consists of over 700 members from six New England States.

Our March 2019 meeting begins at 7:30 am with Grand Rounds. Cases will be presented by trainees at the Mass. Eye and Ear and discussed by a panel of experts. Following Grand Rounds, we have an outstanding morning session on the medical management of corneal diseases. We are delighted to welcome our Guest of Honor, Dr. Carol Karp, Professor of Ophthalmology at the Bascom Palmer Eye Institute in Miami, Florida and a renowned expert in the management of ocular surface tumors and anterior segment surgery. As usual, we have a superb panel of local speakers. To conclude the session there will be a panel discussion with ample time for your questions.

In the afternoon, we have our ever-popular subspecialty sessions. These three sessions aim to expand the professional scope of our membership by addressing specific practice gaps. In March, there are three topics from which to choose: Trends in Refractive Surgery, Advances in Posterior Segment Imaging, and Paradigm Shifts in Pediatric Ophthalmology.

Please make sure you also take some time during the breaks to catch up with colleagues and to visit our exhibitors’ booths. Please visit the NEOS table to learn how you can donate to the Educational Endowment Fund and/or participate in the Public Health and Education Committee’s activities. Remember that it is you, our members, that make NEOS such a unique organization and it is our members that also help promote the value of our society. Thank you for the opportunity to serve as President this year and we continue to welcome your involvement and feedback. Enjoy the meeting!

Sincerely,
Laura C. Fine, MD
President
CAROL L. KARP, MD

Dr. Carol Karp is a tenured Professor of Ophthalmology at the Bascom Palmer Eye Institute at the University of Miami School of Medicine, and holds the Richard K. Forster Chair in Ophthalmology. She is an expert in the management of ocular surface tumors and anterior segment surgery. Dr. Karp joined the faculty of Bascom Palmer Eye Institute in 1994, after completing a fellowship in cornea and external diseases at the center. In the late 1990s, Dr. Karp pioneered the use of interferon for the treatment for ocular surface squamous neoplasia.

A leader in the area of ocular surface oncology, her research has produced several landmark articles on the topic. Her current interests are in the management of ocular surface tumors and ocular surface imaging using the ultra-high resolution OCT.

Among the significant recognition, Dr. Karp has received the Secretariat Award from the American Academy of Ophthalmology (AAO) in 2015 and the Mentorship Award from Women in Ophthalmology and the American Medical Association Women Physicians Sector in 2013. In addition, she was honored with the Senior Achievement Award for her accomplishments and service to the AAO, where she served on numerous task forces, and regularly teaches at the annual meetings. She was a co-chair of the Cornea Day for the last 3 years. Along with her service to the AAO, Dr. Karp serves on the executive committee of the Pan-American Academy of Ophthalmology as the secretary of English language, and is an associate examiner for the American Board of Ophthalmology. She is the co-director of the Inter-American Course in Clinical Ophthalmology (Curso). She has repeated inclusion in “Florida Superdoctors” and “Best Doctors in America”. Outside of Bascom Palmer, Dr. Karp is an avid athlete, exercising daily in the wee hours of the morning.
MEDICAL MANAGEMENT OF CORNEAL DISEASES

Moderator: Adam Sise, MD
Program Committee Coordinator: Jeremy Kieval, MD

Professional Practice Gaps:
We obtained feedback from NEOS members, reviewed evaluations from prior NEOS meetings, and discussed with the Program Committee to identify potential practice gaps that include an update on medical therapy for infectious, inflammatory, and neoplastic disease of the cornea.

NEOS Program Objectives:
The content and format of this educational activity has been specifically designed to fill the identified practice gaps in our membership’s current and potential scope of professional activities in a way that focuses on education, while managing commercial support and maintaining independence from promotional activities and commercial proprietary interests. This program seeks to:

1) Present an overview of infectious keratitis and outline strategies for proper diagnosis and effective treatment.
2) Review current trends in the management of ocular surface tumors.
3) Identify causes and therapies for ocular surface disease.

7:00 am  Registration/Exhibits
7:30  Best of the NEOS Hal Freeman Video Library ................................Main Hall
7:30-8:15  Grand Rounds.................................................................Freedom Room
8:30  Introduction .................................................................Adam Sise, MD
8:35  Diagnosis of Infectious Keratitis..............................................Ramy Rizkalla, MD
8:45  Management of Herpetic Cornea Lesions..............................JoAnn Chang, MD
8:55  Trends in Fungal Keratitis ..................................................Michael Zegans, MD
9:05  Introduction of Guest of Honor.............................................Adam Sise, MD
9:10  Updates on Management of Ocular Surface Neoplasia......Carol L. Karp, MD
9:40  Business Meeting
9:50  Refreshment Break / Exhibits
10:20  Evaluating and Diagnosing Limbal Stem Cell Deficiency................James Chodosh, MD, PhD
10:30  CALEC: New Frontier in the Treatment of Limbal Stem Cell Deficiency.........................................Jai Yin, MD, PhD
10:40  Corneal Erosions – Maximizing Medical Management.......................Pedram Hamrah, MD
10:50  Infectious Conjunctivitis ......................................................Sara Bozorg, MD
11:00  Management of Pigmented Ocular Surface Lesions......Carol L. Karp, MD
MORNING SESSION (continued)

11:30 Questions and Panel Discussion…………………Adam Sise, MD, *Moderator*
Sara Bozorg, MD
JoAnn Chang, MD
James Chodosh, MD, MPH
Pedram Hamrah, MD
Carol L. Karp, MD
Ramy Rizkalla, MD
Jia Yin, MD, PhD
Michael Zegans, MD

11:45 LUNCHEON BREAK – DUE TO SUBSPECIALTY SESSION,
THERE ARE NO LUNCHEON SEMINARS TODAY

Be Sure to Scan in at Registration
BEFORE going to Subspecialty Rooms
to Receive Credit
TRENDS IN REFRACTIVE SURGERY: FROM BABY BOOMER TO MILLENNIAL

Moderators: Kathryn Hatch MD,
Program Committee Coordinator: Gena Heidary, MD, PhD

Professional Practice Gaps:
Feedback from NEOS members and Program committee review identified that, given the new and evolving technologies in cornea and lens-based refractive surgery, it is critical for the refractive surgeon to have a sound understanding of the role of new options, particularly in the setting of longstanding-standard of care techniques. Refractive surgeons not only must evaluate the options but continue to understand how to grow and maintain their refractive practice.

NEOS Program Objectives:
The content and format of this educational activity has been specifically designed to fill the practice gaps in the audience's current potential scope of professional activities by:

1. To review and understand the evaluation of peripheral neovascularization, retinal vein obstruction and leukocoria.
2. To recognize mimickers of AMD and to understand the management of its two forms.
3. To identify various forms of macular edema and how to treat specific unique clinical presentations.
4. To review the new guidelines for prevention and management of plaquenil toxicity.

1:00pm Introduction................................................................. Kathryn Hatch, MD
1:05 Advances in Intraocular Lenses:
Which One Would You Choose?.................................Jeremy Kieval, MD
1:20 Unanticipated Outcomes in Cataract Surgery; How to Approach the Unhappy Patient after Uncomplicated Cataract Surgery ..... Ezra Galler, MD
1:35 Treatment Options for Presbyopia:
What Technologies are Here to Stay?.......................Gregory McCormick, MD
1:50 Refractive Benefits of Femtosecond Laser-assisted Cataract and Corneal Transplant Surgery .........................Ula Jurkunas, MD
2:05 Refreshment Break and Exhibits
2:40 Trends in Laser Vision Correction: SMILE vs LASIK vs PRK: Who Should have What Surgery?.................................Kathryn Hatch, MD
2:55 Marketing to Millennials, GenX: How to Build a Refractive Practice and Market the Prospective Patients...............Jason Brenner, MD
3:10 Implantable Contact Lens:
What Roles Does it Have in 2019?..............................Helen Wu, MD
3:25 Refractive Surgery for Patients with Keratoconus:
A Review of the Current Options..........................Richard Rodman, MD
3:40 Panel Discussion and Questions....................Kathryn Hatch, MD, *Moderator*
Jason Brenner, MD
Jeremy Kieval, MD
Ezra Galler, MD
Ula Jurkunas, MD
Gregory McCormick, MD
Richard Rodman, MD
Helen Wu, MD
ADVANCES IN POSTERIOR SEGMENT IMAGING

Moderators: Nadia Waheed, MD, MPH
Program Committee Coordinator: Gena Heidary, MD, PhD

Professional Practice Gaps:
Feedback from NEOS members and Program committee review identified the need to familiarize ophthalmologists with the newest imaging devices and their use in a clinical and clinical trials setting.

NEOS Program Objectives:
The content and format of this educational activity has been specifically designed to fill the practice gaps in the audience's current potential scope of professional activities by:

1. Being familiar with newly available imaging modalities and their integration into clinical practice.
2. Learning about newly emerging imaging technologies that are becoming available in the clinical trial or practice setting.

1:00pm Introduction……………………………………………………………Nadia Waheed, MD, MPH
1:10 What is New in Retinal Imaging?.........................Manju Subramanian, MD
1:30 Optical Coherence Tomography Angiography:
Clinical Applications..................................................Michelle Liang, MD
1:55 Adaptive Optics Imaging: Ready for Prime Time? ............Lucia Sobrin, MD
2:05 Artificial Intelligence in the Practice of Retina...............Jennifer Sun, MD
2:25 Refreshment Break and Exhibits
2:55 Peering into the Future of Retinal Imaging......................Eric Moult, BSc
3:20 Panel: Interesting Case Images..............Nadia Waheed, MD, MPH, Moderator
Michelle Liang, MD Manju Subramanian, MD
Eric Moult, BSc Lucia Sobrin, MD
Jennifer Sun, MD
3:55 Wrap Up ..............................................................Nadia Waheed, MD, MPH
PARADIGM SHIFTS IN PEDIATRIC OPHTHALMOLOGY

Moderators: Iason Mantagos, MD,
Program Committee Coordinator: Gena Heidary, MD, PhD

Professional Practice Gaps:
Feedback from NEOS members and program committee review identified incorporation of new technologies in pediatric ophthalmology as a practice gap.

NEOS Program Objectives:
The content and format of this educational activity has been specifically designed to fill the practice gaps in the audience’s current potential scope of professional activities by:

1. Introducing additional treatment options for the management of strabismus and amblyopia.
2. Introducing new surgical techniques for the management of pediatric corneal anesthesia, aphakia and retinoblastoma.
3. Identifying ways telemedicine can be used to manage retinopathy of prematurity

1:00pm Introduction............................................. Iason Mantagos, MD
1:05 Botulinum Toxin for Acute Comitant Esotropia........Stephen Christiansen, MD
1:18 Binocular Treatment of Amblyopia.........................Vicki Chen, MD
1:31 Elimination of Bifocals in High AC/A Ratio
Accommodative Esotropia........................................Mary Whitman, MD, PhD
1:58 Refreshment Break and Exhibits
2:30 Iris-claw IOL for Pediatric Aphakia........Danielle Ledoux, MD
2:43 Telemedicine for Retinopathy of Prematurity........Erin Salcone, MD
2:56 Intra-arterial and Intraocular Chemotherapy
for Retinoblastoma........................................Efren Gonzalez, MD,
3:09 Gene Therapy for Inherited
Retinal Degenerations........................................Rachel Huckfeldt, MD, MPH
3:30 Panel Discussion and Questions....................Iason Mantagos, MD, Moderator
Vicki Chen, MD Rachel Huckfeldt, MD, PhD
Stephen Christiansen, MD Danielle Ledoux, MD
Efren Gonzalez, MD Erin Salcone, MD
Mary Whitman, MD, PhD
DIAGNOSIS OF INFECTIOUS KERATITIS

Ramy Rizkalla, MD
QUINCY, MA

Objective: Review of methodology in diagnosing infectious keratitis.

Prompt diagnosis of the etiology of infectious keratitis is essential to achieving optimum outcomes. Diagnosis is achieved most commonly through clinical observation, staining and culture. Advanced modalities such as confocal microscopy, polymerase chain reaction and genetic analysis can also have a role. We will review the context in which these options can be used in a general ophthalmology practice.
Management of Herpetic Cornea Lesions

JoAnn Chang, MD
D’Ambrosio Eyecare
Lancaster, MA

Objective: To review current available treatments of cornea herpetic simplex and herpetic zoster disease.

Ocular herpetic simplex and herpetic zoster keratitis is a common infectious cause of corneal blindness in the US. After primary infection occurs, significant ocular damage can occur when the virus reactivates. Treatment is tailored to clinical presentation and host comorbidity. Various ocular presentations and treatment options will be reviewed.

References:
TRENDS IN FUNGAL KERATITIS

Michael E. Zegans, MD
DARTMOUTH-HITCHCOCK
LEBANON, NH

Objective: For participants to develop a better understanding of the management of fungal keratitis.

Fungal keratitis is a severe infection of the cornea that is more common in regions close to the equator. The microbiology of fungal keratitis varies by region as well, with filamentous fungi such as Fusarium and Aspergillus species being more common in tropical regions and yeast such as Candida albicans being more common in climates that are more temperate. Since the slit lamp cannot reliably differentiate fungal and bacterial keratitis, obtaining corneal cultures is the critical first step in initiating appropriate treatment of fungal keratitis. Fungal keratitis can also occur in outbreaks as demonstrated by the Fusarium spp. outbreak associated with Moisture Loc contact lens solution. Natamycin remains the antifungal, which is FDA approved for the ocular surface. The recent Mycotic Ulcer Treatment Trial (MUTT) concluded that natamycin was superior to topical voriconazole and found modest if any benefits to the addition of oral voriconazole while demonstrating an increase in drug related side effects. Fungal keratitis may often progress to corneal perforation or the need for a therapeutic corneal transplant. Furthermore, there are reports of increased risk of Candida interface infection in endothelial keratoplasty. Thus, fungal keratitis remains a complex and evolving challenge.

References:

Unlabeled/Unapproved Uses of Drugs or Products:
Antifungals approved for systemic use but not specifically for ocular use. This is not relevant to my presentation on fungal keratitis.
Objective: To discuss the key features in the diagnosis and management of ocular surface squamous neoplasia.

Ocular surface squamous neoplasia is the most common ocular surface neoplasia. It is characterized by a gelatinous, papillary, leukoplakic or opalescent features. While often easy to diagnose clinically, it may have subtle features and more challenging to identify in cases of co-existent ocular surface diseases. Wide excision with cryotherapy is the gold standard, but medical therapy has the advantage of treating the entire ocular surface, both obvious and subclinical disease. Newer methods of topical chemotherapy such as 5 fluorouracil, interferon, and mitomycin have gained increased popularity and will be discussed. High resolution optical coherence tomography is very helpful in the diagnosis and management of this disease and will also be presented.

References:


Unlabeled/Unapproved Uses of Drugs or Products:
I will be discussing interferon, 5 fluorouracil and mitomycin use for conjunctival lesions.
EVALUATING AND DIAGNOSING LIMBAL STEM CELL DEFICIENCY

James Chodosh, MD, MPH
MASSACHUSETTS EYE AND EAR INFIRMARY
BOSTON, MA

Objective: The objectives of this presentation are to review the clinical and adjunctive findings in LSCD, including current concepts in imaging of LSCD.

Limbal stem cell deficiency (LSCD) leads to corneal neovascularization, pannus, corneal scar, and persistent corneal epithelial defects and ulceration. LSCD can be caused by inherited conditions such as aniridia, or acquired through trauma, such as after chemical injury, or severe autoimmune diseases, including mucous membrane pemphigoid and Stevens-Johnson syndrome/toxic epidermal necrolysis. LSCD can also occur in the setting of apparently minor injury if the injury is prolonged, for example, long-term contact lens wear. The objectives of this presentation are to review the clinical and adjunctive findings in LSCD, including a review of current concepts in imaging of LSCD.

References:


Objective: Introduce a novel treatment for limbal stem cell deficiency.

Limbal stem cell transplant with cultivated autologous limbal epithelial (stem) cells (CALEC) is technology aimed at restoring vision for patients whose cornea has been compromised by limbal stem cell deficiency (LSCD). The CALEC study is a collaboration between Harvard Department of Ophthalmology, Dana-Farber Cancer Institute, the Jaeb Center, and the National Eye Institute. The research team has established a consistent manufacturing process to produce GMP-compatible cultivated autologous limbal stem cell product. We have received Investigational New Drug Application approval from the FDA to perform a clinical trial on CALEC transplantation at the Massachusetts Eye and Ear Infirmary. This is a single-center study to assess safety and feasibility of CALEC products and to compare their efficacy to the Conjunctival Limbal Autografts in 24 patients with unilateral LSCD. This is the first ex vivo limbal stem cell transplantation in the U.S. and will pave the way for the development of cell manufacturing technology based on rigorously vetted processes and will bring the novelty of a well-controlled stem cell-based clinical trial to the forefront of regenerative medicine.
CORNEAL EROSIONS - MAXIMIZING MEDICAL MANAGEMENT

Pedram Hamrah, MD
TUFTS MEDICAL CENTER
BOSTON, MA

Objective: To review the causes and outline treatment options for recurrent corneal erosions.

Recurrent corneal erosions can occur due to both trauma and inherited disorders of the epithelial basement membrane and result in significant discomfort and potentially vision loss. This lecture will review the pathogenesis of recurrent erosion syndrome and provide an updated paradigm for accurate diagnosis of this disease. Current clinical and surgical management of recurrent erosion syndrome will further be reviewed.
INFECTIONOUS CONJUNCTIVITIS

Sara Bozorg, MD
THE MEDICAL EYE CENTER IN NH
MANCHESTER, NH

Objective: To review the etiology, diagnosis and management of infectious causes of conjunctivitis.

Conjunctivitis is an umbrella term that implies inflammation of the conjunctiva. It is characterized by the combination of conjunctival injection (vascular dilation) and cellular infiltration and exudation. This inflammation can have many origins: infectious, toxic, pharmacological, mechanical, anatomical and allergic. This presentation will focus on infectious causes of conjunctivitis and will include diagnostic tips that will help in determining the underlying etiology of inflammation and hopefully lead to a quicker and more targeted treatment plan.

References:


MANAGEMENT OF PIGMENTED OCULAR SURFACE LESIONS

Carol L. Karp, MD
BASCOM PALMER EYE INSTITUTE
MIAMI, FL

Objective: To discuss the key features in the diagnosis and management of pigmented ocular surface lesions.

Pigmented lesions on the ocular surface can be benign or life threatening. Common lesions include complexion associated melanosis, nevus, primary acquired melanosis, and the dreaded conjunctival melanoma. We will discuss the clinical features of each, how to best diagnose the pigmented lesion, and the management of each. This talk will focus on when to watch and when to worry.

References:


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FINANCIAL DISCLOSURE INFORMATION

As a provider accredited by the Massachusetts Medical Society, NEOS must ensure balance, independence, objectivity, and scientific rigor in all its individually and jointly provided educational activities. All individuals in a position/role to control the content of an activity are expected to disclose to NEOS any relevant financial relationships they and their spouse/partner have with commercial interests.

The ACCME defines a commercial interest as any entity producing, marketing, reselling or distributing health care goods or services consumed by, or used on, patients. Relevant financial relationships are financial relationships in any amount, which occurred in the twelve-month period preceding the time that the individual was asked to assume a role controlling content of the CME activity, and which relate to the content of the educational activity.

Financial relationships are those relationships in which the individual benefits by receiving a salary, royalty, intellectual property rights, consulting fee, honoraria, ownership interest (e.g., stocks, stock options or other ownership interest, excluding diversified mutual funds), or other financial benefit. Financial benefits are usually associated with roles such as independent contractor (including contracted research), consulting, promotional speaking and teaching, membership on advisory committees or review panels, board membership, and other activities for which remuneration is received or expected. The MMS/ACCME considers relationships of the person involved in the CME activity to also include financial relationships of a spouse or partner.

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<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Bradbury, Michael</td>
<td>Ownership Interest: Regeneron, Chase and Associates, Inc (Iviews imaging system)</td>
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<tr>
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<td>Chang, JoAnn</td>
<td>Speaker for Restasis.</td>
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<td>Chen, Vicki</td>
<td>My research developed a product that improves depth perception – I will mention this product in the talk.</td>
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<tr>
<td>Chodosh, James</td>
<td>I am named on a patent on keratoprosthesis designs owned by Mass. Eye and Ear.</td>
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<td>Consulting Fees: Shire. My consulting role for Shire regards a medication and has no bearing or relevance on my upcoming NEOS talk.</td>
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<tr>
<th>Name</th>
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<tr>
<td>Christiansen, Stephen</td>
<td>AbbVie – provide in-house training for uveitis team.</td>
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<td>Lumenis, Speaker Bureau</td>
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<td>Heier, Jeffrey</td>
<td>4D Molecular Technologies, Adverum, Aerie, Aerpio, Allegro, Apellis, Asclepix, Bayer, BVI, Coda Therapeutics, Corcept, Daiichi-Sankyo, Genentech/Roche, Heidelberg, Hemera, Janssen R&amp;D, Kanghong, Kodiak, Neurotech, Notal Vision, Novartis, Ocular Therapeutix, Quark, Ra Pharmaceuticals, Regeneron,</td>
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### FINANCIAL DISCLOSURE INFORMATION

Regenxbio, Scifluor, Shire, Stealth Biotherapeutics, Thrombogenics, TLC, Tyrogenex

**Contracted Research:** Aerpio, Apellis, Astellas, Corcept, Daiichi Sankyo, Genentech/Roche, Genzyme, Hemera, Janssen R&D, Ophthotech, Optovue, Regeneron, Regenxbio, Scifluor, TLC, Tyrogenex

**Ownership Interest:** Ocular Therapeutix, Adverum

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**Huckfeldt, Rachel:**

- **Other Types:** Principle Investigator for Clinical Trials for gene-specific therapies: Spark Therapeutics, AGTC, Meira GTX, ProQR

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**Mantagos, Iason:**

- **Contracted Research:** Luminopia Inc

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**Moult, Eric:**

- **Intellectual Property Rights:** Applications for Intellectual Property Rights related to variable interscan time analysis OCTA

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**Kieval, Jeremy:**

- **Consulting Fees:** Shire, Johnson and Johnson Vision, Sun Pharma, Eyepoint Pharma, Biotissue
- **Fees for Non-CME Services:** Shire, Johnson and Johnson Vision, Sun Pharma, Pharma, Biotissue

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**Noecker, Robert:**

- **Consulting Fees:** Allergan, Alcon, Inotek, Aerie, Ocular Therapeutics, Kateena, BVI, Iridex, Quantel, Santen, Glaukos, Shire, Sun, Polyactiva, Diopsys, Ethis Communications, SOLX
- **Fees for Non-CME Services Received Directly from Commercial Interest or their Agents:** Allergan, Alcon, Inotek, Aerie, Ocular Therapeutics, Kateena, BVI, Iridex, Santen, Glaukos, Diopsys
- **Contracted Research:** Allergan, Glaukos, Santen
- **Ownership Interest:** Ocular Therapeutics

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**Rizzo, Joseph:**

- **Receipt of Intellectual Property Rights/Patent Holder:** Bionic Eye Technologies
- **Consulting Fees:** GenSight
- **Ownership Interest:** Bionic Eye Technologies

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**Sun, Jennifer:**

- **Other Types:** Loaned research equipment: Boston Micromachines; Optovue

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**Waheed, Nadia:**

- **Contracted Research and Consulting Fees:** Optovue, Zeiss, Nidek, Topcon

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**Wu, Helen:**

- **Consulting Fees:** Shire Pharma, Sun Pharma; Eyevance; Lumenis

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**Zegans, Michael:**

- **Other:** Investigator initiated research grant from MedImmune to study the pseudomonas keratitis in an experimental model.
### NO FINANCIAL INTEREST

None of the other individuals in a position to control the content of this activity, including planners, CME Review Committee members, faculty presenters, moderators, panelists and reviewers have any relevant financial relationship with an ACCME-defined commercial interest to disclose.

### CANDIDATES FOR MEMBERSHIP

The following candidates have submitted application for membership and letters of support have been received by sponsors:

<table>
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<tr>
<th>Candidate</th>
<th>Sponsor</th>
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<tr>
<td>Sara Bozorg, MD</td>
<td>Adam Sise, MD</td>
<td>Erin Fogel, MD</td>
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<td>Manchester, NH</td>
<td>Portland, ME</td>
<td>Concord, NH</td>
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<td>Daniel Brocks, MD</td>
<td>David Vazan, MD</td>
<td>Michael Raizman, MD</td>
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<td>Needham, MA</td>
<td>Derry, NH</td>
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<td>Emma Davies, MD</td>
<td>Daniel Lefebvre, MD</td>
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<td>Jason Karo, MD</td>
<td>Elliot Perlman, MD</td>
<td>Robert Bahr, MD</td>
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<td>Providence, RI</td>
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<td>Matthew Nguyen, MD</td>
<td>Johnny Tang, MD</td>
<td>Paul Beade, MD</td>
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<td>Brockton, MA</td>
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REMINDER that new member candidates should apply ONLINE.

Members are encouraged to sponsor new ophthalmologists in your area to join NEOS; they are welcome to attend their first NEOS meeting free of charge.
<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Moderator</th>
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<tbody>
<tr>
<td>April 12</td>
<td>Glaucma (with Chandler-Grant Lecture)</td>
<td>Noelle Pruzan, MD</td>
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<td>Anterior Segment Case Presentations</td>
<td>Michael Price, MD</td>
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<td>May 31</td>
<td>Uveitis</td>
<td>Lana Rifkin, MD</td>
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<td></td>
<td>Macular Degeneration (with Taylor Smith Lecture)</td>
<td>Andre Witkin, MD</td>
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<td>September 6</td>
<td>Future of Ophthalmology</td>
<td>Carolyn Kloek, MD</td>
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<td>Ethrics and Risk Management</td>
<td>Alice Lorch, MD</td>
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<td>November 1</td>
<td>Glaucoma</td>
<td>Christopher Teng, MD</td>
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<td>Cataract Annual Meeting for OMP</td>
<td>Joseph Williams, MD</td>
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<td><strong>NB: NEW LOCATION BU SHERMAN HALL</strong></td>
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<td><strong>FUTURE NEOS MEETINGS ALL AT JOHN HANCOCK HALL EXCEPT AS NOTED</strong></td>
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<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Moderator</th>
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<td>March 13</td>
<td>Cornea</td>
<td>Nicoletta Fynn-Thompson, MD</td>
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<td></td>
<td>Hot Topics</td>
<td>Deborah Jacobs, MD</td>
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<tr>
<td>April 24</td>
<td>Pharmacology &amp; Therapeutic Updates</td>
<td>Lucia Sobrin, MD</td>
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<tr>
<td></td>
<td>Retina with Taylor Smith Lecture</td>
<td>Peter Chang, MD</td>
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<tr>
<td>June 5</td>
<td>Trauma</td>
<td>Magdalena Krzystolik, MD</td>
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<td>Subday: Neuro</td>
<td>Crandall Peeler, MD</td>
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<td>Uveitis</td>
<td>Ninani Kombo, MD</td>
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<td>Pediatrics</td>
<td>Oren Weisberg, MD</td>
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May 31, 2019
Residents, fellows, and trainees from all the New England ophthalmologic teaching programs are invited and encouraged to submit abstracts for a scientific poster presentation contest to be conducted at the May 31, 2019, NEOS meeting.

Posters will be judged on originality and scientific merit. Awards will be made for the first prize $500.00, second prize $300.00, third prize $200.00 and three honorable mentions of $50.00 each. Funding for the awards is derived from a gift to the NEOS Education Endowment Fund honoring the late Sanford Hecht, MD.

Poster presentations exhibited at ARVO in 2019 and at the AAO meeting in of 2018 may be submitted. We encourage all trainees to participate in this event.

To submit posters, go to neos-eyes.org – future meetings/May 31/abstract submission form. **Deadline for abstract to appear in printed program April 15.** Others may be accepted as space allows.

For questions, please contact Judy Cerone Keenan at 617/227-6484 or neosjudy@aol.com