FRIDAY, MARCH 24

7:00 - 7:45 AM
Breakfast

7:45 - 8:00 AM
Welcome Remarks
Lejla Vajzovic, MD

8:00 - 9:30 AM
Session 1A: Retinopathy of Prematurity (ROP):
Diagnosis, Staging and Referral
Chairs: Maria-Ana Martinez-Castellanos, MD and
Graham E. Quinn, MD, MSCE

8:00
Where are we today in ROP?
Mary Elizabeth Hartnett, MD

8:08
International ROP
Maria-Ana Martinez-Castellanos, MD

8:15
ROP in Asia
Atchara Amphonphruet, MD

8:22
Universal screening for children
Darius M. Moshfeghi, MD

8:29
Alternate imaging modalities for ROP screening
S. Grace Prakalapakorn, MD, MPH

8:33
OCT imaging: a new perspective in ROP imaging
Cynthia A. Toth, MD

8:39
Foveal development and visual acuity in ROP
Knights Templar Eye Foundation Award
Lejla Vajzovic, MD

8:45
Discussion

Session 1B: ROP continued: Telemedicine and Plus Disease
Chairs: Anand Vinekar, MD, FRCS and Shwetha Mangalesh, MBBS

8:50
Plus Disease
Anna L. Ells, MD, FRCS(C)

8:55
Automation and agreement in Plus Disease
Michael F. Chiang, MD

9:00
Assessment of telemedicine approach in ROP
Graham E. Quinn, MD, MSCE

9:05
Telemedicine design for ROP
Anand Vinekar, MD

9:10 - 9:30 AM
Panel #1: Optimizing Clinical Assessment and
Telemedicine for Referral Warranted ROP and Plus Disease
Moderator: Anna L. Ells, MD, FRCS(C)
Facilitator: Michael P. Blair, MD
Panelists: Michelle Cabrera, MD, R.V. Paul Chan, MD,
MSc, FACS, Michael F. Chiang, MD, Graham E. Quinn, MD,
MSCE, Michael T. Trese, MD, Anand Vinekar, MD, FRCS
## 9:30 - 10:20 AM

### Session 2: ROP Treatment

**Chairs:** R.V. Paul Chan, MD, MSc, FACS and Michael F. Chiang, MD

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>9:30</td>
<td>Laser vs. anti-VEGF treatment in USA</td>
<td>David K. Wallace, MD, MPH</td>
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<td>9:37</td>
<td>Anti-VEGF treatment around the world</td>
<td>Andres Kychenthal, MD</td>
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<td>9:44</td>
<td>Study vs. real-world treatment</td>
<td>Domenico Lepore, MD</td>
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<td>9:51</td>
<td>Approaches to improve ROP care worldwide</td>
<td>R.V. Paul Chan, MD, MSc, FACS</td>
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<td>9:58</td>
<td>Discussion</td>
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## 10:00 AM

### Panel #2: Laser vs. anti-VEGF Treatment and Recurrence

**Moderator:** Domenico Lepore, MD  
**Facilitator:** Cagri G. Besirli, MD, PhD  
**Panelists:** Andres Kychenthal, MD, Thomas C. Lee, MD, Maria-Ana Martinez-Castellanos, MD, Darius M. Moshfeghi, MD, Jonathan E. Sears, MD, David K. Wallace, MD, MPH

## 10:20 - 10:50 AM

**BREAK**

## 10:50 – 11:35 AM

### Knights Templar Keynote Lecture

**Management of Pediatric Retinal Vascular Disease**  
**Michael T. Trese, MD**

**Introduction:** Mary Elizabeth Hartnett, MD and Cynthia A. Toth, MD

## 11:35 - 12:30 PM

### Session 3: Fundamentals of ROP Surgery

**Chairs:** Domenico Lepore, MD and Cynthia A. Toth, MD

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<th>Time</th>
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<tr>
<td>11:35</td>
<td>Window of opportunity, when to operate</td>
<td>Mary Elizabeth Hartnett, MD</td>
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<td>11:42</td>
<td>Where to start</td>
<td>Emmanuel Chang, MD, PhD, FACS</td>
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## 11:49 AM

Endoscopic vitrectomy in ROP  
Thomas C. Lee, MD

## 11:56 AM

Cicatrical ROP: Management for the Decades  
Michael J. Shapiro, MD

## 12:03 PM

Discussion

## 12:08 PM

### Panel #3: ROP surgery

**Moderator:** Audina M. Berrocal, MD  
**Facilitator:** Maria-Ana Martinez-Castellanos, MD  
**Panelists:** Georges Caputo, MD, Mary Elizabeth Hartnett, MD, G. Baker Hubbard III, MD, Jonathan E. Sears, MD, Michael T. Trese, MD, Julia P. Shulman, MD

## 12:30 – 1:30 PM

**LUNCH**

## 1:30-2:23 PM

### Session 4: Pediatric Ocular Trauma, Non-accidental Trauma and Retinal Detachment

**Chairs:** Georges Caputo, MD and Julia P. Shulman, MD

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<tr>
<td>1:30</td>
<td>Non-accidental trauma</td>
<td>G. Baker Hubbard III, MD</td>
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<td>1:37</td>
<td>Penetrating trauma</td>
<td>Florence Metge, MD</td>
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<td>1:44</td>
<td>Predicting visual outcomes in pediatric open globe injuries</td>
<td>Kara M. Cavuoto, MD</td>
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<tr>
<td>1:51</td>
<td>Pediatric retinal detachments</td>
<td>Jonathan A. Sheindlin, MD</td>
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<td>1:58</td>
<td>Discussion</td>
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## 2:03

### Panel #4: Trauma and Retinal Detachment

**Moderator:** G. Baker Hubbard III, MD  
**Facilitator:** Xi Chen, MD, PhD  
**Panelists:** Caroline R. Baumal, MD, Audina M. Berrocal, MD, Kara M. Cavuoto, MD, Philip J. Ferrone, MD, Jonathan A. Sheindlin, MD, Cynthia A. Toth, MD
2:23 - 4:00 PM

Session 5: Other Surgical Pediatric Retina
Chairs: Audina M. Berrocal, MD and Philip J. Ferrone, MD

2:23
Pediatric ERM
Philip J. Ferrone, MD

2:30
Persistent fetal vasculature: anterior/posterior and different severity
Audina M. Berrocal, MD

2:37
FEVR, surgical approaches
Yoshihiro Yonekawa, MD

2:44
Stickler’s Syndrome, surgical considerations
Lejla Vajzovic, MD

2:51
Retinoschisis/RD
Jonathan E. Sears, MD

2:58
Coloboma/RDs
Caroline R. Baumal, MD

3:05
Treatment of adults with history of pediatric retinal diseases
Eric D. Nudleman MD, PhD

3:12
Discussion

3:17 PM
Panel #5: Surgical cases – diagnostic and management challenges
Moderator: Caroline R. Baumal, MD
Facilitator: Yoshihiro Yonekawa, MD
Panelists: Emmanuel Chang, MD, PhD, FACS, Thomas C. Lee, MD S. Grace Prakalapakorn, MD, MPH, Michael J. Shapiro, MD, Robert A. Sisk, MD, Lejla Vajzovic, MD

3:40 - 4:10
BREAK

4:10 - 5:30 PM

Session 6: Genetic disorders, Gene and Stem Cell Therapies and Clinical Trials
Chairs: J. Timothy Stout, MD, PhD, MBA and Caroline R. Baumal, MD

4:10
Therapy for the optic nerve
Byron L. Lam, MD

4:17
Diagnostic eye genetics and prophylaxis
Robert A. Sisk, MD

4:24
Surgical approach for gene therapy
Andreas K. Lauer, MD

4:31
Surgery and considerations around stem cell therapy
J. Timothy Stout, MD, PhD, MBA

4:38
The potential for gene editing in ophthalmic disease
Sean M. Burns, MD

5:05
Discussion

5:10
Panel #6: Gene therapies
Moderator: J. Timothy Stout, MD, PhD, MBA
Facilitator: Mays A. El-Dairi, MD
Panelists: Sean M. Burns, MD, Alessandro Iannaccone, MD, MS, Byron L. Lam, MD, Andreas K. Lauer, MD, Thomas C. Lee, MD, Robert A. Sisk, MD

5:30
Wrap Up
Lejla Vajzovic, MD

5:35
Adjourn

6:20
Meet in Marriott Hotel lobby

6:30
Leave Marriott lobby to walk to “The Pit” restaurant
7:00 - 7:45 AM
Breakfast

7:45 - 8:00 AM
Welcome Remarks
Lejla Vajzovic, MD

8:00 - 8:35 AM
**Session 7: Diagnostic Tools in Pediatric Retinal Disease**
Chairs: Anna L. Ells, MD, FRCS(C) and Adrienne W. Scott, MD

8:00
Bedside and wide-field imaging in infants and children
Ditte J. Hess, FOPS and Michael P. Kelly, FOPS

8:08
OCT imaging in infants and children
Cynthia A. Toth, MD

8:12
OCT-A imaging in children
Adrienne W. Scott, MD

8:18
Fluorescein angiography imaging in infants and children
R.V. Paul Chan, MD, MSc, FACS

8:24
Wet-lab overview
Lejla Vajzovic, MD

8:35 - 8:45 AM
Break/walk to wetlab

8:45 - 11:45 AM
Wet-lab Faculty-Guided, Hands-on Stations
- Bedside and wide-field imaging
- OCT station – hand-held, intraoperative and OCT-A
- 3D visualization system
- Pediatric vitrectomy and tools
- Image management
- Clinic tools
- Echography
- Gene therapy/stem cell therapy

11:50 – 12:00 PM
Break/walk back to auditorium

12:00 – 12:50 PM
**Session 8: Additional Considerations in Pediatric Retina**
Chairs: Michael J. Shapiro, MD and Ann-Marie Lobo, MD

12:00
Pediatric uveitis
Ann-Marie Lobo, MD

12:07
Coats’ disease management
Julia P. Shulman, MD

12:14
Pediatric exam tips and tricks for retina surgeon
Michelle Cabrera, MD

12:21
Retinal OCT findings in optic nerve disease
Mays El-Dairi, MD

12:28
**Panel #8: Putting it All Together: Challenging Cases**
Moderator: Mary Elizabeth Hartnett, MD
Facilitator: C. Armitage Harper III, MD
Panelists: Atchara Amphonphruet, MD, Georges Caputo, MD, Andres Kychenthal, MD, Darius M. Moshfeghi, MD, Eric D. Nudleman MD, PhD, Michael T. Trese, MD

12:48
Wrap Up
Lejla Vajzovic, MD

12:50
Adjourn