Friday, March 28, 2014

7:00am  Registration and Breakfast  
Visit With the Exhibitors: Interactive Booths with the Latest Toys!

7:40am  Sharon Fekrat, MD FACS  
Opening Remarks

7:45am  Pravin Dugel, MD  
How to choose the correct gauge: 20g, 23g, 25g, or 27g?

8:00am  Mark Humayun, MD PhD  
A novel mini drug pump for ophthalmology

8:15am  Tamer Mahmoud, MD PhD  
Vitrectomy for PDR: techniques in the era of MIVS

8:30am  Prithvi Mruthyunjaya, MD  
Prophylactic scleral buckles in fellow eyes following RD repair

8:45am  Raymond Iezzi Jr., MD  
Management of dropped and dislocated IOLs

9:00am  Lejla Vajzovic, MD  
Optic Pit–Related Maculopathy: diagnosis and management

9:15am  Hiroko Terasaki, MD  
What can be seen using intraoperative OCT

9:30am  G Baker Hubbard III, MD  
Iris reconstruction after trauma

9:45am  Carlos Mateo, MD  
Macular buckling … meeting the past

10:00am  Social Break and Refreshments  
Visit with the Exhibitors: Interactive Booths with the Latest Toys!

10:30am  Stump the Chump  
Surgical Panel Members: 
Cynthia Toth MD, G Baker Hubbard III MD, Sherif Sheta MD, 
Lawrence Morse MD, Paul Hahn MD PhD
Case Presentations: 
Bozho Todorich MD PhD, Glenn Yiu MD PhD

11:00am  Maria Berrocal, MD  
27g vitrectomy

11:15am  Lawrence S. Morse, MD  
Retinal detachment repair in patients with K-Pro devices

11:30am  Cynthia Toth, MD  
Vitreous surgery for pediatric epiretinal membranes

11:45am  Nicole Eter, MD  
Management of binocular perforating injury following explosion trauma

12:00pm  Glenn Jaffe, MD  
Spontaneous retisert dislocation
## 2:15pm

**2014 AVS Chat N’ Chew Luncheon Discussion Roundtables**

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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tr>
<td>1:30pm</td>
<td>Sherif Sheta, MD</td>
<td>Management of myopic macular holes with retinal detachment: surgical techniques &amp; difficulties</td>
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<td>1:45pm</td>
<td>Paul Hahn, MD PhD</td>
<td>Perfluorocarbon: can’t live with it, can’t live without it</td>
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<td>2:00pm</td>
<td>Maria Berrocal, MD</td>
<td>Microincisional vitrectomy for giant retinal tears</td>
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<td>2:15pm</td>
<td>Tamer Mahmoud, MD PhD</td>
<td>Subretinal pneumatic displacement of SRH: analysis of forces</td>
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<td>Hiroko Terasaki, MD</td>
<td>Vitrectomy for retinopathy of prematurity</td>
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<tr>
<td>2:45pm</td>
<td>G Baker Hubbard III, MD</td>
<td>Removal of intraocular foreign bodies: pearls and pitfalls</td>
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<tr>
<td>3:15pm</td>
<td>Carlos Mateo, MD</td>
<td>Dry macular folds: why, when, and how to treat them</td>
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</table>

## 3:30pm

**Social Break and Refreshments**

Visit With the Exhibitors: Interactive Booths with the Latest Toys!

**4:00pm**

**Stump the Chump**

Surgical Panel Members:
- Glenn Jaffe MD, Raymond Iezzi MD, Nicole Eter MD, Pravin Dugel MD, Lejla Vajzovic MD, Carlos Mateo MD,
- Case Presentations:
  - Eric Schneider MD, Sumit Sharma MD

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<tr>
<td>4:30pm</td>
<td>Pravin Dugel, MD</td>
<td>Proportional reflux hydrodissection: a new surgical technique</td>
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<tr>
<td>4:45pm</td>
<td>Lawrence S. Morse, MD</td>
<td>Using retinectomies in retinal detachment repair</td>
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<tr>
<td>5:00pm</td>
<td>Sherif Sheta, MD</td>
<td>Myopic traction maculopathy (MTM)</td>
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<td>5:15pm</td>
<td>Nicole Eter, MD</td>
<td>Temporary keratoprosthesis for combined vitrectomy, scleral-sutured IOL, and keratoplasty</td>
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<td>5:30 pm</td>
<td>Mark Humayun, MD PhD</td>
<td>Update on Argus II retinal prosthesis</td>
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<tr>
<td>5:45 pm</td>
<td>Sharon Fekrat, MD FACS</td>
<td>Closing Remarks</td>
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SATURDAY, March 29, 2014

7:00am  Breakfast  Visit With the Exhibitors: Interactive Booths with the Latest Toys!

7:40am  Sharon Fekrat, MD FACS  Opening Remarks

7:45am  Shunsuke Kubota, MD  Role of sirtuins in AMD 2013 Robert Machemer Foundation Vitreoretinal Scholarship

8:00am  Carlos Mateo, MD  Viscoelastics in vitreoretinal surgery

8:15am  Hiroko Terasaki, MD  Vitrectomy for myopic traction maculopathy

8:30am  Tamer Mahmoud, MD PhD  Closure of macular holes: ocriplasmin vs vitrectomy

8:45am  Pravin Dugel, MD  Duty cycle control: what is it and does it matter?

9:00am  Nicole Eter, MD  Subretinal surgery with RPE transplantation of cultured cells on rigid cell carriers in rabbits

9:15am  Lawrence S. Morse, MD  Use of ocriplasmin for X-linked foveal schisis

9:30am  Maria Berrocal, MD  Novel vitrectomy techniques for traction retinal detachments (Lift & Peel)

9:45am  Raymond Iezzi Jr., MD  Endoillumination in vitreoretinal surgery

10:00am  Social Break and Refreshments  Visit with the Exhibitors: Interactive Booths with the Latest Toys!

10:30am  Stump the Chump

11:00am  Prithvi Mruthyunjaya, MD  Lessons learned with choroidal biopsy

11:15am  Sherif Sheta, MD  Management of diabetic vitreomacular traction

11:30am  Cynthia Toth, MD  Intraoperative OCT for vitreoretinal surgery

11:45am  Tamer Mahmoud, MD PhD  Chandelier buckles: a new revolution

12:00pm  Mark Humayun, MD PhD  A subretinal cell based implant for retinal diseases

12:15 pm  Glenn Jaffe, MD  Encapsulated cell technology for NVAMD

12:30 pm  Raymond Iezzi Jr., MD  Advances in macular hole surgery

12:45 pm  G Baker Hubbard III, MD  Viscodissection for traction detachment in PDR

1:00 pm  Sharon Fekrat, MD FACS  2014 Duke AVS Closing Remarks
**2014 AVS Chat N’ Chew Luncheon Discussion Roundtables**

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<td>Retinal and choroidal biopsy: tricks and tips</td>
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<td>Tamer Mahmoud, MD PhD</td>
<td>Subretinal hemorrhage in AMD: you want me to do what with the blood?</td>
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<tr>
<td>Cynthia Toth, MD</td>
<td>Intrasurgical OCT and other emerging technologies - how will it affect surgical decision making?</td>
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<tr>
<td>Paul Hahn, MD PhD</td>
<td>Pars plana vitrectomy: choosing the right tools for the task at hand</td>
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<tr>
<td>Lejla Vajzovic, MD</td>
<td>The pediatric eye: tips in managing vitreoretinal cases</td>
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<td>Glenn Jaffe, MD</td>
<td>Vitreous biopsy: what do I order and where do I send it?</td>
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<td>Lawrence S. Morse, MD</td>
<td>Optic pit macular detachment: what should I do? can I laser it instead?</td>
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<td>G Baker Hubbard III, MD</td>
<td>Ocular trauma: Should I ever use that magnet? What if the IOFB is too big?</td>
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<tr>
<td>Raymond Iezzi Jr., MD</td>
<td>The dislocated IOL: reuse it? exchange it? suture it? sutureless scleral fixation? or go for aphakia?</td>
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<td>Mark Humayun, MD PhD</td>
<td>The Argus II: can I do it or should I just send the patient somewhere?</td>
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<td>Sherif Sheta, MD</td>
<td>Should I remove ILM at the time of ERM peel? What should I stain with?</td>
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<td>Maria Berrocal, MD</td>
<td>How can I ever survive without the 20g fragmatome and the 20g MPC scissor in the era of small gauge vitrectomy?</td>
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<td>Nicole Eter, MD</td>
<td>Temporary keratoprosthesis: tips and tricks</td>
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<td>Pravin Dugel, MD</td>
<td>What is the real difference among all of these vitrectomy machines? Does it really matter?</td>
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<tr>
<td>Hiroko Terasaki, MD</td>
<td>When should I use anti-VEGF for ROP? Or should I?</td>
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<tr>
<td>Carlos Mateo, MD</td>
<td>The myopic macula: when should I put on a macular buckle? What do I do?</td>
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*2014 AVS POSTERS*

Berrocal M  
Microincisional vitrectomy in complex retinal detachments.

Dugel PU, Abulon P, Dimalanta R  
The sphere of influence: a new parameter for surgical precision.

Hahn P  
The roles of imaging and ophthalmoscopy in ongoing management of retinal diseases in the current era of high resolution OCT imaging.

Lad EM, Hammill BG, Qualls LQ, Wang F, Cousins S, Curtis LH  
Treatment patterns in neovascular age-related macular degeneration between 2005-2010

Hubbard B  
Outcomes of pre-retinal hemorrhage in cases of shaken infant syndrome referred for surgical evaluation.

Maldonado R, Viet DT, Austeng D, Wallace D, Freedman S, Toth CA  
Macular edema and laser for retinopathy of prematurity: relationship assessed by optical coherence tomography.

Maldonado R, Yuan E, Viet DT, Freedman S, Wallace D, Toth CA  
Evaluation of vascular changes in subjects with retinopathy of prematurity with spectral domain optical coherence tomography.

Rothman A, Folgar F, Tong A, Toth CA  
A comparison of macular morphology of pediatric versus adult eyes with epiretinal membranes.

Schneider E, Todorich B, Kelly M, Mahmoud T  
Effect of optical coherence tomography scan pattern and density on the detection of full-thickness macular holes.

Schneider E, Mruthyunjaya P, Talwar N, Harris-Nwanyanwu K, Nan B, Stein J  
Trends in utilization of ancillary testing for patients with exudative macular degeneration and macular edema from 2001 to 2009.

Todorich B, DeCroos FC, Khuthaila M, Alshareef R, Lally DR, Fekrat S, Ho AC, Regillo CD and Spirn MJ  
Neovascular events in eyes with central retinal vein occlusion (CRVO) undergoing serial bevacizumab or ranibizumab intravitreal therapy: a retrospective study

Predicting progression to advanced disease from spectral domain OCT analysis of intermediate AMD.

Characterization of the choroid-scleral junction and suprachoroidal layer in healthy subjects on enhanced depth imaging optical coherence tomography.

Yuan E, Folgar F, Chiu S, Farsiu S, Toth CA  
Two-year macular volume change of the neurosensory retina in intermediate AMD by SD-OCT semi-automated segmentation.