



**STATE BOARD OF OPTOMETRY**  
 2450 DEL PASO ROAD, SUITE 105, SACRAMENTO, CA 95834  
 P (916) 575-7170 F (916) 575-7292 www.optometry .ca.gov



Continuing Education Course  
 Approval Checklist

Title:

Provider Name:

- Completed Application
  - Open to all Optometrists?  Yes  No
  - Maintain Record Agreement?  Yes  No
- Correct Application Fee
- Detailed Course Summary
- Detailed Course Outline
- PowerPoint and/or other Presentation Materials
- Advertising (optional)
- CV for EACH Course Instructor
- License Verification for Each Course Instructor
  - Disciplinary History?  Yes  No



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## CONTINUING EDUCATION COURSE APPROVAL APPLICATION

**\$50 Mandatory Fee**

Pursuant to California Code of Regulations (CCR) § 1536, the Board will approve continuing education (CE) courses after receiving the applicable fee, the requested information below and it has been determined that the course meets criteria specified in CCR § 1536(g).

In addition to the information requested below, please attach a copy of the course schedule, a detailed course outline and presentation materials (e.g., PowerPoint presentation). Applications must be submitted 45 days prior to the course presentation date.

**Please type or print clearly.**

<b>Course Title</b> _____ Pearls for Scleral Fixated Intraocular Lenses	<b>Course Presentation Date</b> <div style="text-align: center; font-family: monospace; font-size: 1.2em;">                     [0][9]/[1][7]/[2][0][1][6]                 </div>
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### Course Provider Contact Information

<b>Provider Name</b> _____ Wendy (First) Friedman (Last) _____ (Middle)	
<b>Provider Mailing Address</b> Street 393 East Walnut St City Pasadena State CA Zip 91188	
<b>Provider Email Address</b> Wendy.L.Friedman@kp.org	
Will the proposed course be open to all California licensed optometrists?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Do you agree to maintain and furnish to the Board and/or attending licensee such records of course content and attendance as the Board requires, for a period of at least three years from the date of course presentation?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

### Course Instructor Information

Please provide the information below and attach the curriculum vitae for each instructor or lecturer involved in the course. If there are more instructors in the course, please provide the requested information on a separate sheet of paper.

<b>Instructor Name</b> _____ Irena (First) Tsui, MD (Last) _____ (Middle)	
<b>License Number</b> _____	<b>License Type</b> _____
<b>Phone Number</b> (310) 825-7290	<b>Email Address</b> itsui@jsei.ucla.edu

*I declare under penalty of perjury under the laws of the State of California that all the information submitted on this form and on any accompanying attachments submitted is true and correct.*

\_\_\_\_\_  
 Signature of Course Provider

1/9/17  
 \_\_\_\_\_  
 Date



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Medical Grouping and Board Use Only			
Receipt #	Payor ID	Beneficiary ID	Amount
1-1670	1509266	1509266	300

November 21, 2016

NOV 22 4 11 PM '16

Dear California Board of Optometry,

This letter is to correct the missing application pieces for the 2016 Ophthalmology Symposium at the Disneyland Hotel on Saturday, September 17, 2016

Enclosed is

- a check for \$300.00
- a detailed summary of each course
- outlines for each course
- powerpoint slides – which can also be viewed on the website (link below)

The reason the application was late

The delay was due to not knowing the status of one of our speakers (Nadia Waheed, MD) so the agenda wasn't finalized. She was originally scheduled to speak twice in the morning but then she informed us she was asked to present at a different symposium on the same day in San Diego. We didn't know until very close to the symposium if she would have to cancel or would be able to switch to an afternoon slot or she would only speak once and have another colleague take her other slot. What was finally settled upon is she would switch to the afternoon slot and give the other slot away to her colleague.

Your letter requested a CV for Dr. Garrick Chak.

He was the chair of the committee and introduced the day and all the speakers – he didn't give any presentation.

Below is the link to our registration website that has more information and shows that Southern California Permanente Medical Group (accredited by the Institute for Medical Quality/California Medical Association (IMQ/CMA) to provide continuing medical education for physicians – and they have approved this symposium for **6.5 AMA PRA Category 1 Credit(s)™**  
<https://www.signup4.net/public/ap.aspx?EID=PHYE530E&OID=50>

I can email you soft copies (if you prefer) or if you need any more information, please feel free to contact me.

Sincerely,

Wendy Friedman  
 Meeting Planner  
 393 East Walnut, Pasadena, CA 91188      626) 405-4644      [wendy.L.friedman@kp.org](mailto:wendy.L.friedman@kp.org)



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393 East Walnut  
Pasadena, California 91188  
(626) 405-4644

August 15, 2016

Dear California Board of Optometry,

This letter is to request continuing education credits for the  
**2016 Ophthalmology Symposium**  
at the  
**Disneyland Hotel**  
1150 Magic Way, Anaheim, CA 92802  
**Saturday, September 17, 2016**

Enclosed is a check for \$50.00

Below is the link to our registration website that has more information and shows that Southern California Permanente Medical Group (accredited by the Institute for Medical Quality/California Medical Association (IMQ/CMA) to provide continuing medical education for physicians – and they have approved this symposium for **6.5 AMA PRA Category 1 Credit(s)<sup>™</sup>**

<https://www.signup4.net/public/ap.aspx?EID=PHYE530E&OID=50>

If you need any more information, please feel free to contact me.

Sincerely,

Wendy Friedman  
Meeting Planner  
393 East Walnut  
Pasadena, CA 91188  
626) 405-4644

[wendy.L.friedman@kp.org](mailto:wendy.L.friedman@kp.org)



**33rd Annual Southern California Kaiser Ophthalmology Symposium  
Disneyland Hotel**

1150 Magic Way, Anaheim, CA 92802

**Saturday, September 17, 2016**

7:00 am – 7:45 am	<b>Registration/Continental Breakfast</b>
7:45 am – 8:00 am	<b>Welcome/Opening Remarks</b> Garrick Chak, MD Symposium Chair, Kaiser Permanente, West Los Angeles
8:00 am – 8:45 am	<b>How to Avoid Being Burned by Pseudoexfoliation</b> Pratap Challa, MD ✓ Associate Professor of Ophthalmology, Duke Eye Center, Duke University
8:45 am – 9:30 am	<b>Update on Diagnosis and Management of Challenging Cornea Cases</b> Natalie Afshari, MD ✓ Professor of Ophthalmology, Shiley Eye Institute, UC San Diego
9:30 am – 9:45 am	<b>BREAK</b>
9:30 am - 11:30 am	<b>TECHNICIAN BREAKOUT SESSION: Helpful Need-to-Know Facts</b> Bobbi Ballenberg, COMT ✓ Clinical Manager, Jules Stein Eye Institute, UCLA
9:45 am – 10:30 am	<b>ROCK Inhibitors and Glaucoma</b> Pratap Challa, MD ✓ Associate Professor of Ophthalmology, Duke Eye Center, Duke University
10:30 am -11:30 am	<b>ROCK Inhibitors and Cornea</b> Natalie Afshari, MD ✓ Professor of Ophthalmology, Shiley Eye Institute, UC San Diego
11:30 am – 12:30 pm	<b>LUNCH</b>
12:30 pm – 1:15 pm	<b>Select Innovations in Pediatric Retina</b> Irena Tsui, MD ✓ Assistant Professor of Ophthalmology, Jules Stein Eye Institute, UCLA
1:15 pm – 2:00 pm	<b>Pearls for Scleral Fixated Intraocular Lenses</b> Irena Tsui, MD ✓ Assistant Professor of Ophthalmology, Jules Stein Eye Institute, UCLA
2:00 pm – 2:15 pm	<b>BREAK</b>
2:15 pm – 3:00 pm	<b>OCT Angiography</b> ✓ Nadia Waheed, MD ✓ Associate Professor of Ophthalmology, New England Eye Center, Tufts
3:00 pm – 3:55 pm	<b>Diabetic Macular Edema Pearls, Updates from Protocol T and DRCRnet</b> Nadia Waheed, MD ✓ Associate Professor of Ophthalmology, New England Eye Center, Tufts
3:55 pm – 4:00 pm	<b>Closing Remarks</b>

**1:20 pm - 2:05 pm**

**Pearls for Scleral Fixated Intraocular Lenses**

SPEAKER: Irena Tsui, MD

DETAILED SUMMARY: Scleral fixation of intraocular lenses is the newest frontier of anterior segment surgery for patients with insufficient lens support and is considered highly complex. Approaches to this technique differ whether there is underlying corneal, glaucoma, or retinal pathology. Thus, these cases are frequently referred to tertiary centers and subspecialists perform these surgeries with vastly different approaches.

Ophthalmologists have a vast array of surgical approaches based on surgeon comfort and training background. Since scleral fixation of intraocular lenses is considered to be one of the most complex surgeries; clinicians need to be familiar and comfortable with various surgical approaches and nuances in order to perform this procedure competently. We need to be able to identify appropriate patient selection, and improve outcomes -visual recovery, and safety. Be selecting the appropriate patients

OBJECTIVES - At the end of this activity, participants should be able to:

- Consider limitations of scleral fixation of intraocular lenses and apply the surgical approach that is most appropriate based on preoperative risk factors

TOPICAL OUTLINE

1. Cataract surgery
  - a. Intraocular lens
    - i. Dislocated
    - ii. Poorly placed
2. Surgical Options
  - a. Which technique
  - b. Iris sutured IOL
    - i. Pre-op considerations
    - ii. McCannel
    - iii. Siepser knot
  - c. Scleral Fixated
    - i. Pre-op considerations
    - ii. Hoffman pockets
      1. Incisions
      2. Suture passing
      3. Suture tying
    - iii. Prenner technique
3. Summary

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## Secondary Intraocular Lens



**UCLA** Stein Eye Institute

Irena Tsui, MD  
Stein Eye Institute & Doheny Eye Institute, UCLA  
Kaiser SCPMG Ophthalmology Symposium  
September 17, 2016



**UCLA** Stein Eye Institute

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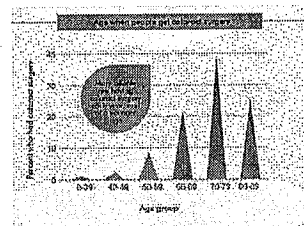
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### Disclosures

- No commercial relationships
- Perspective of a retina surgeon
- No video recording at the VA

### Cataract Surgery

- 3 million surgeries/year in the United States
- 18,000 ophthalmologists, 50% perform cataract surgery
- 98% reported success rate
- Risk factors for dislocated lens
  - h/o trauma
  - S/p vitrectomy
  - Pseudoexfoliation syndrome
    - Scandanavian/Mediterranean
  - Floppy iris syndrome
    - Tamsulosin
  - Marfan's syndrome, etc.



**UCLA** Stein Eye Institute

3



**UCLA** Stein Eye Institute

4

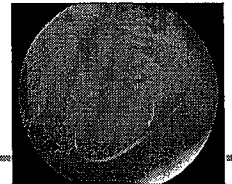
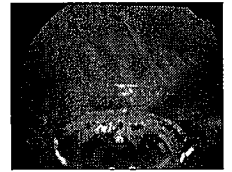
## Dislocated Intraocular Lens

- <3 months, likely due to incomplete capsular support
  - Lens out of the bag
- >3 months, likely due to zonular incompetence
  - Lens In the bag
- Estimated to occur 1-2% of the time
- Often one haptic is still attached anteriorly



## Poorly Placed Intraocular Lens

- ACIOL - Corneal decompensation, glaucoma
- Iris chafing
  - Chronic anterior uveitis/glaucoma
  - Cystoid macular edema
- Lens tilt
  - Optical aberrations and refractive changes
- Intraocular lens dislocation
- Retinal tears/detachment



## ARS #1

What is your practice like and do you perform secondary IOL surgery?

- A. Comprehensive/anterior segment – NO
- B. Comprehensive/anterior segment – YES
- C. Retina – NO
- D. Retina – YES

## ARS #2

What is your preferred type of secondary IOL surgery?

- A. None – prefer contact lens
- B. ACIOL
- C. Iris sutured IOL
- D. Scleral fixated IOL
- E. Depends on the eye and patient \*



## Surgical Options

Technique	Variations
ACIOL	Clear cornea, scleral tunnel
Iris sutured (3-piece)	McCannel suture (1976), Siepser knot (1994)
Scleral fixated (1-piece)	Eyelet lens; 9-0 prolene v. Gortex suture
Scleral fixated (3-piece)	Scleral flap, Hoffman pockets (2006), Agarwal glue (2007), Prenner (2012), modified Prenner (2015)
4 pt fixation	Akreos lens with Gortex suture (2015)

## Surgical Options

Technique	Pros	Cons
ACIOL	Fast, technically easier	Large incision, corneal decompensation, glaucoma, physician bias
Iris sutured	No additional sclerotomies	UGH syndrome, chronic inflammation, need competent iris
Scleral fixated	Less iris chafing	Technically more difficult, risk of suture erosion
4 pt fixation	Stable lens, tech easier	May opacity with air or gas inside the eye (hydrophilic acrylic)

## How to decide which technique?

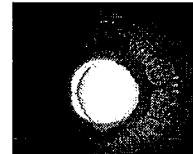
- Older age and co-morbid systemic conditions?
  - If poor view and at the time of primary phaco, consider ACIOL
- Is there already a 3-piece lens in the eye?
  - Consider iris-sutured
- Is there incompetent iris? (i.e. trauma)
  - Avoid iris-sutured IOL
- Is there abnormal sclera/conjunctiva? (i.e s/p trab)
  - Avoid scleral fixated
- Is the patient young?
  - Avoid prolene sutures

## Iris Sutured IOL Pre-Op Considerations

- Not good when pupil is permanently dilated or missing
- Iris thinning will be difficult to suture
- Can be difficult to visualize haptic with dark iris
- Avoid in uveitis patients
- Finish retina work before starting lens



Traumatic Mydriasis



Iris Atrophy



Dark Iris

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## Iris Sutured IOL (McCannel suture)



### TIPS

- Push lens through trocar
- Viscoat in AC
- Large, perpendicular para
- Distant entry points
- Small bite of peripheral iris

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## Iris Sutured IOL (Siepser knot)

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## Iris Sutured IOL (Siepser knot)

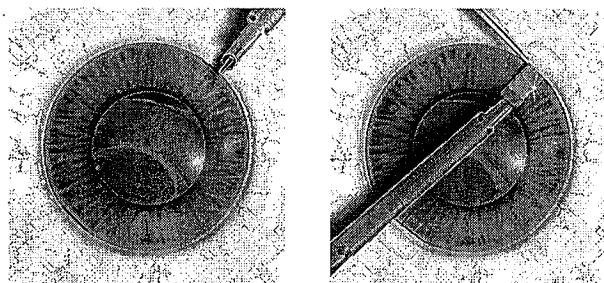
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## Sclear Fixated Pre-Op Considerations

- Incisions at 12 and 6 o'clock to avoid nose
  - difficult with trabeculectomy
  - difficult with superior scleral tunnel wound
- Young, active patients controversial
- Poor dilation may need iris hooks

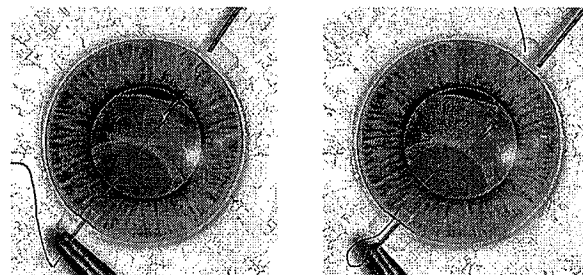
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### Hoffman pockets - incisions



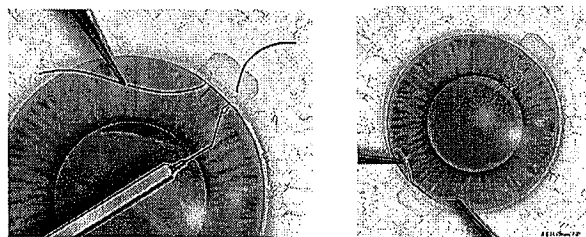
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### Hoffman pockets – suture passing



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### Hoffman pockets – suture tying



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### Hoffman pockets

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## Scleral Fixated (Prenner technique)

### TIPS

- Larger scleral incision better
- Healon to stent scleral tunnels open
- Forceps (DORC, end-grasping)
- Pull first haptic out of injector

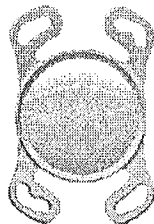
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## Scleral Fixated (Modified Prenner technique)

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## Akreos Lens Overview

- Bausch and Lomb
- One-piece, four-haptics
- Greater stability
- Less lens tilt
- 8-0 Gore-Tex Foldable/injectable IOL, can use smaller incision
- Relatively easy learning curve



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## Akreos Lens

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## Summary

- Secondary IOL surgery relatively uncommon
- Many different techniques to place secondary intraocular lens
- Patient and surgeon dependent decision
- Master a few techniques well
- Be open to learning new techniques

Thank you for your attention!

**Irena Tsui, M.D.**  
**Curriculum Vitae**

**CONTACT INFORMATION:**

1333 18<sup>th</sup> Street  
Unit 2  
Santa Monica, CA 90404  
Cell Phone: 267-872-3989  
E-mail: irena.tsui@gmail.com

**EDUCATION:**

B.A., Biology Honors Program  
Johns Hopkins University  
Baltimore, MD  
1996-2000

M.D., Medicine  
University of Pennsylvania School of Medicine  
Philadelphia, PA  
2000-2004

Internship, Transitional  
Presbyterian Medical Center  
University of Pennsylvania School of Medicine  
Philadelphia, PA  
2004-2005

Residency, Ophthalmology  
Edward Harkness Eye Institute  
Columbia University School of Medicine  
New York, NY  
2005-2008

Fellowship, Vitreoretinal  
Jules Stein Eye Institute  
University of California at Los Angeles  
David Geffen School of Medicine  
Los Angeles, CA  
2008-2010

**LICENSURE:**

California, A103523, 4/18/2008 – current

**BOARD CERTIFICATION:**

American Board of Ophthalmology  
Issue: 2010; Expiration: 2020

Irena Tsui, M.D.

**PROFESSIONAL EXPERIENCE: Present Positions:**

Assistant Professor of Ophthalmology  
Stein Eye Institute and Doheny Eye Institute  
University of California at Los Angeles  
David Geffen School of Medicine  
Los Angeles, CA  
January 2012 –

Physician, Vitreoretinal Service  
Department of Ophthalmology  
Veterans Affairs Greater Los Angeles  
Healthcare System  
Los Angeles, CA  
January 2012 –

**Previous Position:**

Assistant Professor of Ophthalmology  
Department of Ophthalmology  
Albert Einstein College of Medicine  
Montefiore Medical Center  
Bronx, NY  
2010-2011

**PROFESSIONAL ACTIVITIES: Committee Service:**

Retina Fellowship Selection Committee  
Stein Eye Institute  
2012 –

QI/Clinical Committee  
Stein Eye Institute  
2012 –

UCLA Pediatric Surgery Committee  
Ronald Reagan UCLA  
2015 –

**Community Service:**

Volunteer, Care Harbor LA  
UCLA Volunteer Center  
Los Angeles, CA  
2012 –

**Professional Associations and Scholarly Societies:**

– Association for Research in Vision and  
Ophthalmology, 2005 –

Irena Tsui, M.D.

- Western Retina Study Club, 2008 -
- Women in Ophthalmology, 2009 -
- American Academy of Ophthalmology, 2010 -
- Los Angeles Society of Ophthalmology, 2011 -
- Los Angeles County Medical Association, 2013 -
- Association of Pediatric Retina Surgeons, 2014 -
- Retina Society, 2014 -

**Ad Hoc Reviewer:**

- Clinical Ophthalmology, 2011 -
- Ophthalmic Surgery Lasers and Imaging Retina, 2012 -
- Investigative Ophthalmology and Visual Sciences, 2013 -
- Retina, The Journal of Vitreoretinal Diseases, 2014 -
- Journal of Pediatric Ophthalmology & Strabismus, 2015 -
- Ocular Immunology and Inflammation, 2015 -
- International Journal of Retina and Vitreous, 2015 -
- RETINA The Journal of Retinal and Vitreous Diseases, 2015 -
- British Journal of Ophthalmology, 2016 -
- Asia-Pacific Journal of Ophthalmology, 2016 -
- Editors of Pediatrics, 2016 -
- Expert Review of Medical Devices, 2016 -

**HONORS AND SPECIAL AWARDS:** Annual Fellow's Research Award, "Wide-Field Imaging for the Detection of Macular Edema," Jules Stein Eye Institute, UCLA Geffen School of Medicine, Los Angeles, CA, May 2010

**RESEARCH GRANTS AND FELLOWSHIPS RECEIVED:**

1. Oppenheimer Family Foundation Award, "Use of a Mobile Application to Enhance Diabetic Healthcare," December 2012.
2. Harold and Pauline Price Fellowship, 2008-2010.

**LECTURES AND PRESENTATIONS:**

1. "Scotoma after Orthopedic Surgery," Annual Retina Club Meeting, Wills Eye Institute, Philadelphia, PA, October 6, 2006.



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2. "Resident Education in the Medical Marketplace: Case Presentation," Cross Campus Meeting, Columbia University, New York, NY, March 29, 2007.
3. "Inferior Retinectomy and Silicone Oil for Repair of Recurrent Retinal Detachments," Resident Night, New York Academy of Medicine, New York, NY, June 4, 2007.
4. "Non-Vascular Vision Loss n Pseudoxanthoma Elasticum," Atlantic Coast Retina Club, Philadelphia, PA, January 11, 2008.
5. "Central Visual Function 1 Year after Iodine-125 Brachytherapy for Ciliochoroidal Melanoma," Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 8, 2009.
6. "Ischemic Index in Ultra Wide Field Angiography is Predictive of Neovascular Complications in Central Retinal Vein Occlusion," Retina Congress, New York, NY, October 1, 2009.
7. "Macular Hold in Uveitis," Los Angeles Imaging Conference for Retina Specialists, Los Angeles, CA, November 17, 2009.
8. "Central Visual Field 2 Years after Iodine-125 Brachytherapy for Ciliochoroidal Melanoma," Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 6, 2010.
9. "Ultra Wide Field Fluorescein Angiography can Detect Macular Edema in Central Retinal Vein Occlusion," Research Day, Jules Stein Eye Institute, UCLA Geffen School of Medicine, Los Angeles, CA, May 16, 2010.
10. "Ultra Wide Field Fluorescein Angiography in Retinal Vascular Diseases," Department of Ophthalmology, University of Colorado, Denver, CO, November 24, 2010.
11. "Ultra Wide Field Fluorescein Angiography in Retinal Vascular Diseases," Department of Ophthalmology, Columbia University, New York, NY, December 9, 2010.
12. "Recent Innovations in Managing Diabetic Retinopathy," Boston Asian-American Healthcare Conference, Boston, MA, February 13, 2011.
13. "Bevacizumab for Retinopathy of Prematurity Associated with Hypotony," Manhattan Ophthalmological Society, New York, NY, March 7, 2011.
14. "Vision Loss in Sickle Cell Disease," Los Angeles Imaging Conference for Retina Specialists, Los Angeles, CA, March 19, 2011.

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15. "Retinopathy for Prematurity Update," Department of Pediatrics Rounds, Weiler Hospital, Bronx, NY, May 9, 2011.
16. "Limitations of Ultra Wide Field Fluorescein Angiography," Department of Ophthalmology Grand Rounds, Bronx Lebanon Hospital, Bronx, NY, August 16, 2011.
17. "Challenges of Validating New Technologies: Ultra Wide Field Fluorescein Angiography," American Academy of Ophthalmology, Orlando, FL, October 23, 2011.
18. "Challenges of Validating New Technologies: Ultra Wide Field Fluorescein Angiography," International Forum for Retinal Diseases, Guangzhou, China, November 13, 2011.
19. "Toddler with Recurrent Red Eye," Western Retina Study Club, San Francisco, CA, March 17, 2012.
20. "Ultra Wide Field Autofluorescence in Stargardt's Disease," International Retinal Imaging Symposium, Los Angeles, CA, February 26, 2013.
21. "Posterior Segment Complications after Cataract Surgery, Grand Rounds, Jules Stein Eye Institute, UCLA Geffen School of Medicine, Los Angeles, CA, April 3, 2013.
22. "Glaucoma after Retinopathy of Prematurity Laser," Pacific Retina Club, Los Angeles, CA, April 20, 2013.
23. "Update on Ultra Wide Field Imaging," Research Day, Jules Stein Eye Institute, UCLA Geffen School of Medicine, Los Angeles, CA, June 14, 2013.
24. "Update on Retinopathy of Prematurity," Research Day, Jules Stein Eye Institute, UCLA Geffen School of Medicine, Los Angeles, CA, June 15, 2013.
25. "Hand-Over-Hand Retrieval of a Corneal Lenticule," Women in Ophthalmology, Snowmass, CO, August 4, 2013.
26. "Update on Retinopathy of Prematurity," Department of Pediatrics NICU Rounds, UCLA Ronald Reagan Medical Center, Los Angeles, CA, August 27, 2013.
27. "Clinical Aspects of Bioengineering Challenges," Institute for Pure and Applied Mathematics, Los Angeles, CA, January 16, 2014.

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28. "Advancements in Wide Field Retinal Imaging," Annual Optometry Symposium, Jules Stein Eye Institute, UCLA Geffen School of Medicine, Los Angeles, January 26, 2014.
29. "Blurred Lines," Association of Pediatric Retina Surgeons, Cabo San Lucas, Mexico, February 13, 2014.
30. "Review of Medical Retina," OKAP Review Course, Jules Stein Eye Institute, UCLA Geffen School of Medicine, Los Angeles, CA, February 23, 2014.
31. "Which Anti-VEGF for Retinopathy of Prematurity?," Leonard Apt UCLA Meeting, Jules Stein Eye Institute, UCLA Geffen School of Medicine, Los Angeles, CA, April 1, 2014.
32. "Future of Retinopathy of Prematurity," Grand Rounds, Jules Stein Eye Institute, UCLA Geffen School of Medicine, Los Angeles, CA, April 23, 2014.
33. "Anti-VEGF for ROP: Is it the Standard of Care?" Pacific Coast Ophthalmologic Society Meeting, San Diego, CA, June 28, 2014.
34. "Advantages of 27g Vitrectomy." Alcon Surgical Forum, San Francisco, CA, November 15, 2014.
35. "Changing Perspectives on Retinopathy of Prematurity." Luminaires Juniors Quarterly Meeting. Santa Monica, CA, January 14, 2015.
30. "Review of Medical Retina," OKAP Review Course, Jules Stein Eye Institute, UCLA Geffen School of Medicine, Los Angeles, CA, February 21, 2015.
36. "Why Ultra-widefield Fluorescein Angiography." Doheny CME Imaging Conference. Los Angeles, CA, May 16, 2015.
37. "Healthcare Utilization of Anti-VEGF for Age-Related Macular Degeneration at the VAMC." Doheny Research Day, Los Angeles, CA, June 20, 2015.

Irena Tsui, M.D.

**PUBLICATIONS/BIBLIOGRAPHY****RESEARCH PAPERS (PEER REVIEWED):****A. RESEARCH PAPERS – PEER REVIEWED:**

1. Chen L, Wu W, Dentchev T, Zeng Y, Wang J, **Tsui I**, Tobias JW, Bennett J, Baldwin D, Dunaief JL: Light Damage Induced Changes in Mouse Retinal Gene Expression. *Experimental Eye Research* 2004 Aug; 79(2):239-47.
2. Rex TS, **Tsui I**, Hahn P, Maguire AM, Duan D, Bennett J, Dunaief JL: Adenovirus-Mediated Delivery of Catalase to Retinal Pigment Epithelial Cells Protects Neighboring Photoreceptors from Photo-oxidative Stress. *Human Gene Therapy* 2004 Oct; 15(10):960-7.
3. Vo DX, Lee OC, **Tsui I**, Zhao HQ, Siu P, Ginsburg K: Important Characteristics of Clinicians and Clinical Sites: The Voice of Immigrant Asian Youth. *Journal of Adolescent Health* 2005 Feb; 36(2):122.
4. **Tsui I**, Song B, Lin CS, Tsang SH: A Practical Approach to Retinal Dystrophies. *Retinal Physician* 2007(4):18-26.
5. **Tsui I**, Casper D, Chou CL, Tsang SH: Electronegative Electroretinogram Associated with Topiramate Use and Vitelliform Maculopathy. *Documenta Ophthalmologica* 2008 Jan; 116(1):57-60.
6. **Tsui I**, Fuchs B, Chou CL, Chang S, Tsang SH: Non-Vascular Vision Loss in Pseudoxanthoma Elasticum. *Documenta Ophthalmologica* 2008 Jul; 117(1):65-7.
7. Xining H, **Tsui I**, Tsang SH: Prognosticating Retinal Dystrophies in the Post-Genomic Era. *Retina Today* 2008 Jul-Aug; 44-49.
8. Tsang SH, **Tsui I**, Chou CL, Zernant J, Haamer E, Iranmanesh R, Tosi J, Allikmets R: A Novel Mutation and Phenotypes in Phosphodiesterase 6 Deficiency. *American Journal of Ophthalmology* 2008 Nov; 146(5):780-8.
9. **Tsui I**, Airiani S, Wen A, El-Sawy T, Fine HF, Maris PJ: Intravitreal Injection of Tissue Plasminogen Activator with a Pars Plana Glaucoma tube. *Clinical Ophthalmology* 2009; 3:91-3.
10. Jain A, Shah SP, **Tsui I**, McCannel TA: The Value of Optos Panoramic 200MA Imaging for the Monitoring of Large Suspicious Choroidal Lesions. *Seminars in Ophthalmology* 2009 Jan-Feb; 23(1):43-4.
11. Kaines A, **Tsui I**, Sarraf D, Schwartz SD: The Use of Ultra Wide Field Fluorescein Angiography in Evaluation and Management of Uveitis. *Seminars in Ophthalmology* 2009 Jan-Feb; 24(1):19-24.

Irena Tsui, M.D.

12. **Tsui I, Jain A, Shah S, Schwartz SD, McCannel TA:** Wide Field Imaging of Peripheral Exudative Hemorrhagic Chorioretinopathy. *Seminars in Ophthalmology* 2009 Jan-Feb; 24(1):25-8.
13. **Tsui I, Kaines A, Schwartz SD:** Patterns of Periphlebitis in Intermediate Uveitis Using Ultra Wide Field Fluorescein Angiography. *Seminars in Ophthalmology* 2009 Jan-Feb; 24(1):29-33.
14. **Shah SP, Jain A, Tsui I, McCannel TA:** Optos Optomap Panaoramic 200MA Imaging of a Serous Choroidal Detachment Responsive to Furosemide. *Seminars in Ophthalmology* 2009 Jan-Feb; 24(1):40-2.
15. **Tsui I, Chou CL, Palmer N, Lin CS, Tsang SH:** Phenotype-Genotype Correlations in Autosomal Dominant Retinitis Pigmentosa Caused by RHO, D190N. *Current Eye Research* 2008 Nov; 33(11):1014-22.
16. **Tsui I, Schubert HD:** Retinotomy and Silicone Oil for Detachments Complicated by Anterior Inferior Proliferative Vitreoretinopathy. *British Journal of Ophthalmology* 2009 Sep; 93(9):1228-33.
17. **Hubschman JP, Bourges JL, Tsui I, Reddy S, Yu F, Schwartz SD:** Effect of Cutting Phases on Flow Rate in 20-, 23-, and 25-Guage Vitreous Cutters. *Retina* 2009 Oct; 29(9):1289-93.
18. **Tsui I, Shamsa K, Perloff JK, Lee E, Wirthlin RS, Schwartz SD:** Retinal Vascular Patterns in Adults with Cyanotic Congenital Heart Disease. *Seminars in Ophthalmology* 2009 Nov-Dec; 24(6):262-5.
19. **Tsui I, Uslan DZ, Hubschman JP, Deng SX:** Nocardia Farcinica Infection of a Baerveldt Implant in a Patient with a Poston Type I Keratoprosthesis. *Journal of Glaucoma* 2010 Jun-Jul; 19(5):339-40.
20. **Shamsa K, Perloff JK, Lee E, Wirthlin RS, Tsui I, Schwartz SD:** Retinal Vascular Patterns in Coarctation of the Aorta. *American Journal of Cardiology* 2010 Feb; 105(3):408-10.
21. **Tsui I, Reddy S, Hubschman JP:** An Elementary and Effective Method for Silicone Oil Removal. *Retina* 2010 Mar; 30(3):524-6.
22. **Hu A, Tsui I, Hubschman JP:** Pupillary Block Glaucoma after Pars Plana Vitrectomy with Air-Fluid Exchange in a Pseudophakic Air-Filled Eye. *Ophthalmic Surgery, Lasers, and Imaging* 2010 Mar; 9:1-3.
23. **Tsui I, Schwartz SD, Hubschman JP:** A Current Method to Collect an Undiluted Vitrectomy Sample. *Retina* 2010 May; 30(5):830-1.

Irena Tsui, M.D.

24. **Tsui I, Tsui IK, Auran JD, Fine HF, Maris PF Jr:** Cerulean Fundus: An Unexpected Complication of Cataract Surgery in an Eye with Aqueous Misdirection. *British Journal of Ophthalmology* 2010 Aug; 94(8):1105-6.
25. Reddy S, Gorin MG, McCannel TA, **Tsui I**, Straatsma BR: Novel KRIT1/CCM1 Mutation in a Patient with Retinal Cavemous Hemangioma and Cerebral Cavemous Malformation. *Graefes Archives for Clinical and Experimental Ophthalmology* 2010 Sep; 248(9):1359-61.
26. Williams BK Jr, **Tsui I**, McCannel TA: Spectral-Domain Optical Coherence Tomography of Conjunctival Mucosa-Associated Lymphoid Tissue Lymphoma with Presumed Choroidal Involvement. *Graefes Archives for Clinical and Experimental Ophthalmology* 2010 Dec; 248(12):1837-40.
27. **Tsui I**, Campolattaro BN, Lopez R: Progression of Traumatic Lamellar Macular Hole to Full-Thickness Macular Hole and Retinal Detachment in a 3-Year Old Child. *Retina Cases Brief Rep.* 2010 Winter;4(1):25-7
28. **Tsui I**, Kaines A, Havunjian M, Hubschman S, Heilweil G, Prasad PS, Oliver SC, Yu F, Bitrian E, Hubschman JP, Friberg T, Schwartz SD: Ischemic Index and Neovascularization in Central Retinal Vein Occlusion. *Retina* 2011 Jan; 31(1):105-10.
29. Devin F, **Tsui I**, Morin B, Dupra JP, Hubschman JP: T-Shaped Scleral Buckle for Macular Detachments in High Myopes. *Retina* 2011 Jan; 31(1):177-80.
30. Chiang A, Reddy S, **Tsui I**, Hubschman JP: Vitreous Web after Pars Plana Vitrectomy and Bevacizumab with Fluid-Air Exchange. *Seminars in Ophthalmology* 2011 Jan; 26(1):25-7.
31. Huang L, Levinson D, Mian U, **Tsui I**: Optical Coherence Tomography Characteristics of Idiopathic Macular Holes. *Journal of Ophthalmology* 2012 Jul 18 [Epub].
32. **Tsui I**, Franco-Cardenas V, Hubschman JP, Yu F, Schwartz SD: Ultra Wide Field Fluorescein Angiography can Detect Macular Pathology in Central Retinal Vein Occlusion. *Ophthalmic Surgery, Lasers, and Imaging* 2012 May-Jun; 43(3):257-62.
33. **Tsui I**: Perfluorocarbon-Assisted Clear Corneal Phacoemulsification. *Retina* 2012 Nov-Dec; 32(10):2165-6.
34. Yu L, **Tsui I**, Hubschman JP: Macular Hole Associated with Sarcoidosis. *Retina Cases Brief Rep.* 2012 Fall; 6(4):412-4.

Irena Tsui, M.D.

35. **Tsui I**, Ebani E, Rosenberg JB, Lin J, Angert RM, Mian U: Patent Ductus Arteriosus and Indomethacin Treatment as Independent Risk Factors for Plus Disease in Retinopathy of Prematurity. *Journal of Pediatric Ophthalmology and Strabismus* 2013 Mar-Apr; 50(2):88-92.
36. **Tsui I**, Franco-Cardenas V, Hubschman JP, Schwartz SD: Pediatric Retinal Conditions Imaged by Ultra Wide Field Fluorescein Angiography. *Ophthalmic Surgery, Lasers, and Imaging Retina* 2013 Jan-Feb; 44(1):59-67.
37. Roybal CN, **Tsui I**, Sanfilippo C, Hubschman JP: Scleral Electrocautery and its Effects on Choroid Vessels: Implications for Subretinal Fluid Drainage during Scleral Buckling Surgery. *Ophthalmic Surgery, Lasers, and Imaging Retina* 2013 Mar-Apr; 44(2):176-80.
38. **Tsui I**, Bajwa A, Franco-Cardenas V, Pan CK, Kim HY, Schwartz SD: Peripheral Fluorescein Angiographic Findings in Fellow Eyes of Patients with Branch Retinal Vein Occlusion. *International Journal of Inflammation* 2013 Mar 31 [Epub].
39. **Tsui I**, Sarraf D: Paracentral Acute Middle Maculopathy and Acute Macular Neuroretinopathy. *Ophthalmic Surgery, Lasers, and Imaging Retina*. 2013 Nov-Dec; 44(6 Suppl):S33-5.
40. **Tsui I**, Voleti VB, Giacconi JA, Dumars S, Hosseini H, John VJ, Berrocal AM: Diagnostic and Therapeutic Challenges. *Retina* 2013 Apr 29. *Retina* 2013 Nov-Dec; 33(10): 2177-9.
41. Wells JA, Aldave AJ, **Tsui I**: Surgical Technique: Hand-Over-Hand Retrieval of a Posteriorly Dislocated DSAEK Graft in an Eye with an Iris Reconstruction Lens. *Ophthalmic Surgery, Lasers, and Imaging Retina*. 2013 Nov 1; 44(6): 569-71
42. **Tsui I**, Ebani E, Rosenberg JP, Angert RM, Lin J, Mian U: Trends in Retinopathy of Prematurity Over a 5-year Period in a Racially Diverse Population. *Ophthalmic Surgery, Lasers, and Imaging Retina*. 2014 Mar-Apr; 45(2): 138-42
43. **Tsui I**, Drexler A, Stanton AL, Kageyama J, Ngo E, Straatsma BR. Pilot Study Using Mobile Health to Coordinate the Diabetic Patient, Diabetologist, and Ophthalmologist. *J Diabetes Sci Technol*. 2014 Jul; 8(4): 845-9
44. Lin W, Pan CK, **Tsui I**: Spontaneous Resolution of Clinically Apparent Submacular Fluid after Scleral Buckling Surgery. *Ophthalmic Surgery, Lasers, and Imaging Retina*. 2014 Sep-Oct; 45(5): 474-7
45. Quan AV, Pineles SL, **Tsui I**, Velez FG: Phthisis Bulbi After Lensectomy in Retinopathy of Prematurity Eyes Previously Treated with Laser Photocoagulation. *Retinal Cases Brief Rep*. 2015 Winter; 9(1): 67-71

Irena Tsui, M.D.

46. Franco-Cardenas V, Roseberg J, Ramirez A, Lin J, Tsui I: Decadelong Profile of Women in Ophthalmic Publications. *JAMA Ophthalmol.* 2015 Mar; 133(3): 255-9
47. Wong RK, Hubschman S, Tsui I: Reactivation of Retinopathy of Prematurity after Ranibizumab Treatment. *Retina.* 2015 Apr; 35(4): 675-80
48. Quan AV, Moore GH, Tsui I: Retinal Vein-to-Vein Anastomoses in Sturge-Weber Syndrome Documented by Ultra-Widefield Fluorescein Angiography. *J AAPOS.* 2015 Jun;19(3):270-2
49. Tsui I, Williams BK Jr, Kok YO, Heilweil G, Schwartz SD: Reliability of Ischemic Index Grading in Common Retinal Vascular Diseases. *Ophthalmic Surg Lasers Imaging Retina.* 2015 Jun;46(6):618-25
50. Tsui I, Beardsley RM, McCannel TA, Oliver SC, Chun MW, Lee SP, Chow PE, Agazaryan N, Yu F, Straatsma BR: Visual Acuity, Contrast Sensitivity and Color Vision Three Years After Iodine-125 Brachytherapy for Choroidal and Ciliary Body Melanoma. *Open Ophthalmol J.* 2015 Jun 26;9:131-5
51. Goodwin DM, Casey R, Tsui I: Capsular Block Syndrome Following Combined Cataract and Vitrectomy Surgery in a Patient with Intraocular Gas. *Ophthalmic Surg Lasers Imaging Retina.* 2015 Oct 1;46(9):980-2
52. Sanfilippo CJ, Klufas MA, Sarraf D, Tsui I: Optical Coherence Tomography Angiography of Sickle Cell Maculopathy. *Retin Cases Brief Rep.* 2015 Fall;9(4):360-2
53. Nemiroff J, Kuehlewein L, Rahimy E, Tsui I, Doshi R, Gaudric A, Gorin MB, Satta S, Sarraf D: Assessing Deep Retinal Capillary Ischemia in Paracentral Acute Middle Maculopathy by Optical Coherence Tomography Angiography. *Am J Ophthalmol.* 2015 Nov 9. Pii:S0002-9394(15)00683-2
54. Wong RK, Tsui I: Reply. *Retina.* 2015 Dec;35(12):e76-7
55. Papour A, Taylor Z, Stafsudd O, Tsui I, Grunfest W: Imaging Autofluorescence Temporal Signatures of the Human Ocular Fundus in Vivo. *J Biomed Opt.* 2015 Nov 1;20(11):110505
56. Friedlander AH, Giaconi, JA, Tsui I, Aghazadehsanai, N, Chang TI, Garrett NR: Meaningful Correlation Between Asymptomatic Retinal Arteriole Emboli and Calcified Plaque Found on Panoramic Dental Imaging of Males with Diabetes. *Oral Surg Oral Med Oral Pathol Oral Radiol.* 2016 Apr;121(4):434-40.
57. Tsui I, Havunjian MA, Davis JA, Giaconi JA: Snapshot of Teleretinal Screening for Diabetic Retinopathy at the West Los Angeles Medical Center. *Telemed J E Health.* 2016 Mar 17.



Irena Tsui, M.D.

58. Cao JH, Wagner BD, Cerda A, McCourt EA, Palestine A, Enzenauer RW, Braverman RS, Wong, RK, Tsui I, Gore C, Robbins SL, Puente MA Jr, Kauffman L, Kong L, Morrison DG, Lynch AM: Colorado Retinopathy of Prematurity Model: a Multi-Institutional Validation Study. J AAPOS. 2016 May 7.

#### B. RESEARCH PAPERS – PEER REVIEWED (IN PRESS):

#### C. RESEARCH PAPERS – NON-PEER REVIEWED:

1. Tsui I, Dunn M: How Well can Staff Predict the Subjective Health of Patients with Spinal Cord Injury? *Psychosocial Process* 2000 Winter; 3(4):192-3.

#### CHAPTERS:

1. Tsui I, Tsirbas A, Mango CW, Schwartz SD, Hubschman JP: Surgery in Ophthalmology. Robot Surgery. Intech, 2009 Jan; 149-64.
2. Tsui I, Tsang SH: Fundus Autofluorescence in X-linked Retinoschisis. Fundus Autofluorescence. Eds: Noemi Lois, John V. Forrester. Lippincott, Williams, and Wilkins, 2009 Jul: 167-74.
3. (Tsui I: Translation) Coscas G: Optical Coherence Tomography in Age-Related Macular Degeneration. Springer, May 2010.
4. Tsui I, Schwartz SD: Wide Angle Fluorescein Angiography in Infants and Children. Pediatric Retina, 2nd Edition. Ed: Mary Elizabeth Hartnett. Lippincott, Williams, and Wilkins, 2014:131-37.
5. Tsui I, Prasad P: Central Retinal Vein Occlusions. Atlas of Wide-Field Retinal Angiography and Imaging. Ed. Igor Kozak and J. Fernando Arevalo, Springer, 2015

#### LETTERS TO THE EDITOR:

1. Minnal VR, Tsui I, Rosenberg JB: Central Macular Splaying and Outer Retinal Thinning in Asymptomatic Sickle Cell Patients by Spectral-Domain Optical Coherence Tomography. *American Journal of Ophthalmology* 2011 Dec; 152(6):1074.

Irena Tsui, M.D.

2. **Tsui I**, Rosenberg JB, Franco-Cardenas V. Women in Print – Reply. *JAMA Ophthalmology* 2015 March 12.

#### REVIEWS:

1. Huang JH, **Tsui I**, Judkins AR, Simon E, Birknes JK, Sutton LN: Intramedullary Cervical Spinal Cord Germinoma. *Neurosurgery* 2004 Dec; 55(6):1432.
2. Belenitsky MP, Liu C, **Tsui I**: Scedosporium Apiospermum Endophthalmitis Treated Early with Intravitreal Voriconazole Results in Recovery of Vision. *Journal of Ophthalmic Inflammation and Infection* 2012 Feb 28.
3. **Tsui I**: Scleral Buckle Removal: Indications and Outcomes. *Survey of Ophthalmology* 2012 May-Jun; 57(3):253-63.
4. **Tsui I**, Pan CK, Rahimy E, Schwartz SD: Ocriplasmin for Vitreoretinal Diseases. *Journal of Biomedicine and Biotechnology* 2012 Oct 14 [Epub].
5. Diep TM, **Tsui I**: Risk Factors Associated with Diabetic Macular Edema. *Diabetes Research and Clinical Practice* 2013 Jun; 100(3):298-305.

#### POSTERS:

1. **Tsui I**, Dunn M: How Well Can Staff Predict the Subjective Health of Patients and Spinal Cord Injury? American Association of Spinal Cord Injury Psychologists and Social Workers, Las Vegas, NV, August 2000.
2. **Tsui I**, Rex T, Maguire A, Bennett J, Dunalef JL: Adenovirus-Mediated Delivery of Catalase Protects the Mouse Retina *in vivo* and RPE cells *in vitro* from Oxidative Stress Induced Cell Death. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 1, 2004.
3. **Tsui I**, Smalley GW, Evans G: Jamaica Eye Mission: From Friendship 1979 to Vision 2020. Unite For Sight, Boston, MA, April 2, 2005.
4. **Tsui I**, Engelbert M, Airiani S, Braunstein R: In-Depth Analysis of Resident Ophthalmology Call at an Urban, Tertiary Care Hospital. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 1, 2006.
5. **Tsui I**, Schubert HD: Inferior Retinectomy and Silicone Oil for Repair of Recurrent Retinal Detachments. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 10, 2007.
6. **Tsui I**, Flynn JT: Slippery Slope of Genetic Testing. Notre Dame Medical Ethics Conference, South Bend, IN, March 15, 2008.

Irena Tsui, M.D.

7. **Tsui I, Kane S:** New Surgical Technique: 25-Gauge Vitrectomy and Primary Lens Implantation for the Management of Pediatric Cataracts. American Society of Cataract and Refractive Surgery, Chicago, IL, April 5, 2008.
8. **Tsui I, Tosi J, Zernant J, Haamer E, Chou C, Corcostegui I, Tsang S, Allikmets R:** Novel Mutation and Phenotypes in Phosphoserase 6 Deficiency. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, April 11, 2008.
9. **Kaines A, Tsui I, Sarraf D, Schwartz SD:** Utility of Ultra Wide Field Fluorescein Angiography in the Evaluation and Management of Uveitis. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, April 11, 2009.
10. **Hubschman JP, Tingting J, Tsui I, Schwartz SD, Eldredge J:** Computational Fluid Dynamics Evaluation of Vitreous Flow during Vitrectomy. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, April 11, 2010.
11. **Prasad PS, Tsui I, Heilweil G, Hubschman JP, Schwartz SD:** Ischemic Index for the Quantification of Retinal Non-Perfusion in Branch Retinal Vein Occlusion. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, April 11, 2010.
12. **Tsui I, Schwartz SD:** Ultra Wide Field Fluorescein Angiography can Detect Macular Pathology in Central Retinal Vein Occlusion. American Society of Retina Specialists, Vancouver, Canada, August 2010.
13. **Ramirez AM, Heilweil G, Schwartz SD, Hubschman JP, Tsui I:** Increased Ischemic Index Correlates with Neovascularization in Diabetic Retinopathy. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 1, 2011.
14. **Franco-Cardenas V, Tsui I, Heilweil G, Schwartz SD:** Ultra Wide Field Fluorescein Angiography Accurately Evaluates Macular Pathology in Diabetic Retinopathy. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 2, 2011.
15. **Herzlich A, Tsui I, Gritz DC:** Epidemiology of Uveitis in the Bronx. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 4, 2011.
16. **Cheema A, Minnal VR, Tsui I:** The Utility of Ultra Wide Field Imaging in a Spontaneous and Progressive Submacular Hemorrhage due to Hereditary Prothrombin Deficiency. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 6, 2012.
17. **Kim H, Franco-Cardenas V, Pan CK, Heilweil G, Tsui I, Hubschman JP, Schwartz SD:** Ultra Wide Field Angiographic Characteristics of Fellow Eyes in

Irena Tsui, M.D.

- Branch Retinal Vein Occlusion. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 7, 2012.
18. Pan CK, Franco-Cardenas V, Heilweil G, **Tsui I**, Hubschman JP, Schwartz SD: Ultra Wide Field Angiography Characteristics of Central Retinal Vein Occlusion. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 7, 2012.
  19. Sandler S, Schwartz SD, Mian U, **Tsui I**: Prospective Study Comparing Ultra Wide Field versus Conventional Imaging for the Detection and Management of Diabetic Retinopathy. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 8, 2012.
  20. Nguyen MK, Mozayan A, Minnal V, Rosenberg J, **Tsui I**: Peripheral Retinal Pruning in Systemic Lupus Erythematosus. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 9, 2012.
  21. Hosseini H, Rivera D, Heilweil G, Hubschman JP, **Tsui I**, Schwartz SD: Enhanced Depth Optical Coherence Tomography Imaging of the Optic Canal in Central Retinal Vein Occlusion. Association for Research in Vision and Ophthalmology, Seattle, WA, May 6, 2013.
  22. Heilweil G, **Tsui I**, Hosseini H, Schwartz SD: Autofluorescence in Stargardt Macular Dystrophy. Association for Research in Vision and Ophthalmology, Seattle, WA, May 7, 2013.
  23. **Tsui I**, Straatsma BR: Use of a Mobile Internet Application to Increase Communication among the Diabetic Patient, Diabetologist, and Ophthalmologist. World Ophthalmology Congress, Tokyo, Japan, April 2, 2014.
  24. **Tsui I**, Straatsma BR: Pilot Study using Mobile Health to Coordinate the Diabetic Patient, Diabetologist, and Ophthalmologist. Association for Research in Vision and Ophthalmology, Orlando, FL, May 8, 2014.
  25. Wong RK, **Tsui I**: Anti-Vascular Endothelial Growth Factor (VEGF) for Retinopathy of Prematurity: Jules Stein Eye institute Experience. Association for Research in Vision and Ophthalmology, Orlando, FL, May 8, 2014.
  26. Chen J, Schwartz SD, Sarraf DS, **Tsui I**: Healthcare Utilization of Anti-VEGF for Age-Related Macular Degeneration at the Veterans Affairs Medical Center. Association for Research in Vision and Ophthalmology, Denver, CO, May 4, 2015.

**MISCELLANEOUS:**

**Irena Tsui, M.D.**

1. **Medical student teaching: biannually since 2012.**
2. **Resident retina lectures: biannually since 2012.**