

David Huang, MD, PhD

Date: December 8, 2014

CURRICULUM VITAE

A. Personal Information:

Name in Full	David Huang
Business Address	Oregon Health & Science University Casey Eye Institute 3375 S.W. Terwilliger Blvd. Portland, OR 97239-4197
Business Phone	(503) 494-5131
Business Fax	(503) 494-3929
Place of Birth	Taiwan
Citizenship	U.S.A.
E-Mail Address	davidhuang@alum.mit.edu

B. Education:

High School	Avoca Central School, Avoca, NY, 1981
College	Massachusetts Institute of Technology, B.S., 1985 Electrical Engineering
Graduate School	Massachusetts Institute of Technology, M.S., 1989 Electrical Engineering Massachusetts Institute of Technology, Ph.D., 1993 Medical Engineering & Medical Physics
Medical School	Harvard Medical School, M.D., 1993
Internship	Mercy Hospital, San Diego, July 1993-June 1994, Transitional-Year Internship
Residencies	University of Southern California, July 1994-June 1997, Ophthalmology
Fellowship	Emory University, July 1997-June 1998 Cornea, external diseases, and refractive surgery
Medical License	Oregon, 2010-current (Certificate MD152539)
Board Certification	American Board of Ophthalmology, 1999-current

C. Professional Background:

Academic appointments

Associate Staff in Refractive Surgery, Cornea, and Biomedical Engineering, Cleveland Clinic Foundation, October 1998-August 2004

Assistant Professor of Ophthalmology, Ohio State University, 1999-2003

Adjunct Assistant Professor of Biomedical Engineering, Ohio State University, 1999-2004

Adjunct Assistant Professor of Biomedical Engineering, Case University, 1999-2008

Associate Professor of Ophthalmology, University of Southern California, 2004-2010

Associate Professor of Biomedical Engineering (secondary), University of Southern California, 2007-2010

Charles C. Manger III, MD Chair in Corneal Laser Surgery, University of Southern California, 2007-2010

Associate Professor of Ophthalmology with tenure, University of Southern California, 2009-2010

Visiting Professor of Biomedical Engineering and Instrumentation Science, Zhejiang University, Hangzhou, China, 2009-2010

John E. Weeks, MD Endowed Professorship in Ophthalmic Research and Professor of Ophthalmology and Biomedical Engineering, Oregon Health & Science University, 2010-2014

Martha and Eddie Peterson Endowed Professorship in Ophthalmology and Professor of Biomedical Engineering, Oregon Health & Science University, 2014-present

Honors and Awards

EDUCOM/NCRIPTAL National Award for Best Engineering Software, 1990.

Clement Vaturi Fellowship in Biomedical Imaging, 1992-1993

Nesburn Award for Best Research Paper Submitted by a Resident, presented at Los Angeles Society of Ophthalmology meeting, 1996.

American Academy of Ophthalmology Achievement Award, 2004.

Best Paper of Session Award in Intraocular Surgery: Precision in IOL Surgery, *American Society of Cataract and Refractive Surgery Annual Meeting*, San Diego, 2007.

Charles C. Manger III, MD Chair in Corneal Laser Surgery, First Chair Holder, 2007.

Listed in www.TrustedLasikSurgeons.com directory service 2008-2012. The directory is based on research, experience, and premier patient care.

Listed in *Guide to America's Top Ophthalmologists* 2008 and 2011 editions, published by the Consumers' Research Council of America. The selection is based on education, years in practice, and affiliations with professional associations.

Listed as one of the *Top Doctors* in San Gabriel Valley in the *Pasadena Magazine*, 2008-2009. The selection was based on voting by peers (other doctors).

Certificate of Appreciation, Chinese Society of Ophthalmology, June 21, 2008. Awarded by Chairwoman Li Xiao Xin for a lecture given in Beijing, China.

Ulrich Ollendorff Memorial Lecture, Harkness Eye Institute, Columbia University, New York City, NY, April 2, 2009.

Bausch & Lomb Visiting Professorship, University of Rochester, NY, April 24-25, 2009.

Visiting Professor of Biomedical Engineering and Instrumentation Science, Zhejiang University, Hangzhou, China, 2009-present.

Listed as one of the *Best Doctors in Southern California* in the *Los Angeles Times* Magazine, 2009.

Certificate of Appreciation, EyeWiki, July 7, 2010. Awarded for exemplary service as an Editor for EyeWiki's successful launch.

John E. Weeks, MD Endowed Professorship of Ophthalmic Research, Oregon Health & Science University, 2010- June 2014.

Gabriel Coscas Medal Award, presented by Dr. Bruno Lumbroso at *Corso Intensivo di OCT*, Rome, Italy, September 17, 2010.

Richard L. Lindstrom Lecture, Contact Lens Association of Ophthalmologists/American Society of Cataract and Refractive Surgery Annual Meeting, San Diego, CA, March 28, 2011.

Top Ten Industry Collaboration Award, Technology Innovation Award, Oregon Health and Science University, 2011.

Senior Achievement Award, American Academy of Ophthalmology, 2011.

American-European Congress of Ophthalmic Surgery, Founding Member, 2011.

Best Doctors in America® 2007-2014, a directory service that select the best doctors based on the evaluation by other doctors in the same specialty

Senior Member Designation, Optical Society of America, 2012.

The Antonio Champalimaud Vision Award, 2012. The \$1.3 million prize is the largest award for vision research. The 2012 award was shared between 6 recipients for the development of 2 novel approaches to imaging the eye – optical coherence tomography and adaptive optics. Lisbon, Portugal. September 2012.

New Inventor of the Year Award, Technology Transfer & Business Development, Oregon Health and Science University, 2012.

Founders Award - Best Invited Presentation, 14th International Congress on Wavefront & Presbyopic Refractive Corrections. Hollywood, FL. February 2013.

Jonas Friedenwald Award for outstanding research in the basic or clinical sciences as applied to ophthalmology. Presented at the Annual Meeting of the Association for Research in Vision & Ophthalmology, Seattle, WA. May 8, 2013.

American Ophthalmological Society, elected May 2013.

ARVO Silver Fellow. Association for Research in Vision & Ophthalmology. Orlando, FL. May 2014.

Martha and Eddie Peterson Endowed Professorship in Ophthalmology, Oregon Health & Science University, July 2014-present.

Outstanding Contribution Award for Overseas Chinese in 2014. Chinese Ophthalmological Society. Xi'an, China. September 2014.

Power List 2014. *The Ophthalmologist*. 2014;7:30.

Specific teaching responsibilities (list courses taught)

Continuing Medical Education.

1. **Huang D**, Applegate R, Krueger RR, Stulting RD, Pettit G. Constructing LASIK nomograms for the correction of spherical, astigmatic, and higher order refractive errors. *American Academy of Ophthalmology Annual Meeting*. Dallas, TX. October 2000.
2. **Huang D**. Flap issues in LASIK. *American Academy of Ophthalmology*. Dallas, TX. October 2000.
3. **Huang D**, Applegate R, Krueger RR, Stulting RD, Pettit G. Constructing LASIK nomograms for the correction of spherical, astigmatic, and higher order refractive errors. *American Academy of Ophthalmology Annual Meeting*. Dallas, TX. October 2001.
4. **Huang D**, Dueker DK, Kaiser P, Schuman JS, Smith SD. Optical coherence tomography. *American Academy of Ophthalmology Annual Meeting*. Orlando, FL. October 2002.
5. **Huang D**, Baikoff G, Dueker DK, Kaiser P, Schuman JS, Smith SD. Optical coherence tomography. *American Academy of Ophthalmology Annual Meeting*. Anaheim, CA. November 15-18, 2003.
6. **Huang D**, Baikoff GD, Smith SD. Corneal and anterior segment optical coherence tomography. *American Academy of Ophthalmology Annual Meeting*. New Orleans, LA. October 23-26, 2004.
7. **Huang D**, Chauhan BC, Rockwood EJ, Schuman JS, Smith SD. Advanced Imaging for Glaucoma. *American Academy of Ophthalmology Annual Meeting*. New Orleans, LA. October 23-26, 2004.
8. **Huang D**. Course Director. Refractive surgery update. Doheny Eye Institute, University of Southern California. Los Angeles, CA. 2004.
9. Song JC, **Huang D**. VISX Laser certification course. Doheny Eye Institute, University of Southern California. Los Angeles, CA. 2004.
10. **Huang D**, Baikoff GD, Smith SD. Corneal and anterior segment optical coherence tomography. *American Academy of Ophthalmology Annual Meeting*. Chicago, IL. October 15-18, 2005.
11. **Huang D**, Schuman JS, Garway-Heath D, Fechtner RD. Quantitative imaging for glaucoma. *American Academy of Ophthalmology Annual Meeting*. Chicago, IL. October 15-18, 2005.
12. **Huang D**. Course Director. Refractive implants. Doheny Eye Institute, University of Southern California. Los Angeles, CA. 2005.
13. Song JC, **Huang D**. VISX Laser certification course. Doheny Eye Institute, University of Southern California. Los Angeles, CA. 2005.
14. Baikoff G, Guell J, **Huang D**, Ahmed IK, Vukich J. Anterior segment imaging with optical coherence tomography. *American Society of Cataract and Refractive Surgery Annual Meeting*. San Francisco, CA. March 18-20, 2006.
15. **Huang D**, Baikoff GD, Chopra V. Corneal and anterior segment optical coherence tomography. *American Academy of Ophthalmology Annual Meeting*. Las Vegas, NV. November 2006.
16. **Huang D**, Schuman JS, Garway-Heath D, Zangwill LM. Quantitative imaging for glaucoma. *American Academy of Ophthalmology Annual Meeting*. Las Vegas, NV. November 2006.

17. Song JC, **Huang D**. VISX Laser certification course. Doheny Eye Institute, University of Southern California. Los Angeles, CA. 2006.
18. **Huang D**, Schuman JS, Garway-Heath D, Medeiros FA. Quantitative imaging for glaucoma. *American Academy of Ophthalmology Annual Meeting*. New Orleans, LA. November 10-13, 2007.
19. **Huang D**, Lim JI, Fawzi AA, Chang S. Fourier-domain optical coherence tomography in retinal diseases. *American Academy of Ophthalmology Annual Meeting*. New Orleans, LA. November 10-13, 2007.
20. **Huang D**. Evolving Technologies for Early Glaucoma Detection. Fourier-domain OCT and Doppler OCT. Doheny Eye Institute, University of Southern California. Los Angeles, CA. April 12, 2008.
21. **Huang D**. Corneal/External Disease: Emerging Strategies for Diagnosis & Disease Management. Intraocular Lens Calculation after LASIK with Anterior Segment OCT. Doheny Eye Institute, University of Southern California. Los Angeles, CA. May 10, 2008.
22. **Huang D**, Chang S, Fawzi AA, Gomi F, Lim JI, Sadda SR. Fourier-domain optical coherence tomography in retinal diseases. *American Academy of Ophthalmology Annual Meeting*. Atlanta, GA. November 8-11, 2008.
23. **Huang D**, Chopra V, Francis BA, Schuman JS. Fourier-domain OCT in glaucoma. *American Academy of Ophthalmology Annual Meeting*. Atlanta, GA. November 8-11, 2008.
24. **Huang D**. Laser assisted corneal transplantation. A deeper look at keratoplasty Symposium. Tissue Bank International and the Doheny Eye Institute, University of Southern California. Los Angeles, CA. May 30, 2009.
25. **Huang D**. Corneal mapping and measurements with optical coherence tomography. Doheny Day Conference. Doheny Eye Institute, University of Southern California. Los Angeles, CA. June 12-13, 2009.
26. Song JC, **Huang D**. VISX Laser certification course. Doheny Eye Institute, University of Southern California. Los Angeles, CA. September 26, 2009.
27. **Huang D**, Chang S, Fawzi AA, Lim LI, Sadda SR. Fourier-domain optical coherence tomography in retinal diseases. *American Academy of Ophthalmology Annual Meeting*. San Francisco, CA. October 24-27, 2009.
28. **Huang D**. Co-instructor. Imaging of the anterior segment of the eye (OCT, Confocal, Scheimpflug, etc). *American Academy of Ophthalmology Annual Meeting*. San Francisco, CA. October 24-27, 2009.
29. **Huang D**. Course Director. *Innovations in Refractive Surgery CME Symposium*, Doheny Eye Institute, University of Southern California. Los Angeles, CA. December 12, 2009.
30. **Huang D**. Using optical coherence tomography to plan transepithelial phototherapeutic Keratectomy. *Innovations in Refractive Surgery CME Symposium*. Doheny Eye Institute, University of Southern California. Los Angeles, CA. December 12, 2009.
31. **Huang D**. Guiding anterior segment procedures with optical coherence tomography. 78th Midwinter Conference of the Research Study Club. Los Angeles, CA. January 16, 2010.

32. **Huang D**, Chang S, Fawzi AA, Gomi F, Lim JI, Sadda SR. Fourier-domain optical coherence tomography in retinal diseases. *American Academy of Ophthalmology Annual Meeting*. Chicago, IL. October 17, 2010.
33. **Huang D**. Optical coherence tomography from the front to the back of the eye. Ophthalmology Grand Rounds. Devers Eye Institute. Portland, OR. November 5, 2010.
34. **Huang D**. Glaucoma diagnosis with optical coherence tomography. *Hawaiian Eye 2011*. Kaanapali, Maui. 2011.
35. **Huang D**. Beveled astigmatic keratotomy performed with femtosecond laser in post-keratotomy eyes. *Hawaiian Eye 2011*. Kaanapali, Maui. January 2011.
36. **Huang D**. Keratoconus diagnosis with optical coherence tomography. *Hawaiian Eye 2011*. Kaanapali, Maui. January 2011.
37. **Huang D**. What is new in optical coherence tomography. *Oregon Ophthalmologic Alumni Association Annual Meeting*. Portland, OR. October 2011.
38. **Huang D**. Course Instructor, 20 Years of optical coherence tomography. Ophthalmic Photographers' Society, Inc. 2011.
39. **Huang D**. Retinal blood flow in glaucoma and other eye diseases. *Hawaiian Eye*. Wallea, Maui. January 2012.
40. **Huang D**. Functional imaging with ultrahigh-speed OCT. *Oregon Ophthalmologic Alumni Association Annual Meeting*. Portland, OR. June 2012.
41. **Huang D**, Baikoff G, Koch DD. Anterior segment optical coherence tomography. *American Academy of Ophthalmology Course*. Chicago, IL. November 2012.
42. **Huang D**. OCT angiography of ONH blood flow in glaucoma. *Hawaiian Eye*. Waikoloa, Hawaii. January 2013.
43. **Huang D**. Evaluating the risk of glaucoma progression with OCT. *Hawaiian Eye*. Waikoloa, Hawaii. January 2013.
44. **Huang D**, Baikoff G, Koch DD. Anterior segment optical coherence tomography. *American Academy of Ophthalmology Course*. New Orleans, LA. November 2013.

Resident & Fellow Physician Education

1. Lectures to residents and fellows at the Cole Eye Institute, 2000-2003: "Physical Optics," "Ophthalmic Optics," "Optical Coherence Tomography," "Refractive Surgery Diagnostics," "LASIK Complications"
2. Teaching of surgery and clinical ophthalmology to residents and fellows at the Cleveland Clinic Cole Eye Institute, 1998-2004
3. Teaching of surgery and clinical ophthalmology to residents and fellows at the Department of Ophthalmology, University of Southern California Keck School of Medicine, 2004-2010
4. Proctor resident cataract surgery, Los Angeles County-University of Southern California Medical Center, 1 day per month, 2005-2010
5. Lectures to residents and fellows at the Department of Ophthalmology, University of Southern California Keck School of Medicine, 2005: "Corneal Degenerative and Ectatic Diseases," "Refractive Surgery Diagnostics," "Microkeratomes," "Refractive Surgery Procedures"

6. Lectures to residents and fellows at the Department of Ophthalmology, University of Southern California Keck School of Medicine, 2006: “Degenerative and aging processes of the eye,” “Clinical approach to corneal ectasia” “Basic concepts of corneal transplantation,” “Clinical approach to corneal transplantation”
7. Lectures to residents and fellows at the Department of Ophthalmology, University of Southern California Keck School of Medicine, 2007: “Degenerative and aging processes of the eye,” “Clinical approach to corneal ectasia” “Basic concepts of corneal transplantation,” “Clinical approach to corneal transplantation”
8. Lectures to residents and fellows at the Department of Ophthalmology, University of Southern California Keck School of Medicine, 2008: “Degenerative and aging processes of the eye,” “Clinical approach to corneal ectasia” “Basic concepts of corneal transplantation,” “Clinical approach to corneal transplantation”
9. Proctor cornea fellow surgery, Los Angeles County-University of Southern California Medical Center, 1 day per month, 2008-2010
10. Lectures to residents and fellows at the Department of Ophthalmology, University of Southern California Keck School of Medicine, 2009: “Degenerative and aging processes of the eye,” “Clinical approach to corneal ectasia” “Basic concepts of corneal transplantation,” “Clinical approach to corneal transplantation” “Conventional and laser techniques for corneal transplantation”

Medical Student Education

1. Lecture on “The Red Eye” to medical students at the Ohio State University in 2001

Nursing Staff Education

1. Lecture on “Conventional and laser techniques for corneal transplantation” to operating room staff at University of Southern California University Hospital, February 13, 2009
2. **Huang D.** “Glaucoma Diagnosis with Optical Coherence Tomography.” *Hawaiian Eye 2011*, Kaanapali, Maui, 2011.

Graduate Education

1. University of Southern California *BME 533 Biomedical Engineering Graduate Seminar* lecture “Optical Coherence Tomography of the Eye”, September 17, 2007
2. University of Southern California *BME 505Lab Biomedical Engineering Laboratory Rotations Program*, graduate student research advisor, Fall 2007
3. University of Southern California *BME670 Early Visual Processing*” lecture “Optical Coherence Tomography of the Retina”, October 8, 2007
4. University of Southern California *BME670 Early Visual Processing*” lecture “Optical Coherence Tomography of the Retina”, October 6, 2009
5. Oregon Health & Sciences University *Biomedical Engineering Graduate Seminar* lecture, “Optical Coherence Tomography in Ophthalmology”, October 1, 2010.

Undergraduate Education

1. Case University EBME 313 Undergraduate biomedical engineering laboratory, Fall 2002. Instructor of laboratory session on optical coherence tomography

2. University of Southern California Biomedical Engineering Seminar lecture “Optical Coherence Tomography in the Anterior Segment of the Eye”, October 2004
3. University of Southern California Biomedical Engineering Seminar lecture “Optical Coherence Tomography of the Eye”, February 27, 2006

Supervision of trainees

Clinical Fellow Clinical & Surgical Training

1. Navin Tekwani, MD, Cleveland Clinic cornea fellow, 2000-2001
2. Farnaz Memarzadeh, MD, USC cornea fellow, 2005-2006
3. Bibiana Jin Reiser, MD, USC cornea fellow, 2006-2007
4. Derek Montgomery, MD, USC cornea fellow, 2006-2007
5. Sandhya Iyer, MD, USC cornea fellow, 2007-2008
6. Victoria Chen-Espinoza, MD, USC cornea fellow, 2007-2008
7. Martin Heur, MD, PhD, USC cornea fellow, 2008-2009
8. Lisa Hwang, MD, USC cornea fellow, 2008-2009
9. Matthew Bujak, MD, USC cornea fellow, 2009-2010
10. Habeeb Ahmad, MD, USC cornea fellow, 2009-2010
11. Michael Page, MD, OHSU cornea fellow, 2010-2011

Resident & Fellow Physician Research Preceptorship

1. Bennie Jeng, MD, Cleveland Clinic ophthalmology resident, 2001
2. Navin Tekwani, MD, Cleveland Clinic cornea fellow, 2001-2002
3. Jason Goldsmith, MD, Cleveland Clinic ophthalmology resident, 2002-2003
4. Maria Regina Catai Chalita, MD, Cleveland Clinic cornea fellow 2002-2003
5. Farnaz Memarzadeh, MD, USC cornea fellow, 2005-2006
6. Gisele Li, MD, USC glaucoma fellow, 2005-2006
7. Mariana Pereira de Avila, MD, USC research fellow, 2005-2006
8. Harsha Reddy, MD, USC ophthalmology resident, 2005-2006
9. Rahul Khurana, MD, USC ophthalmology resident, 2005-2006
10. Michael Lai, MD, USC ophthalmology resident, 2005-2006
11. Bibiana Jin Reiser, MD, USC cornea fellow, 2006-2007
12. Mingwu Wang, MD, USC ophthalmology resident, 2007-2008
13. Sandhya Iyer, MD, USC cornea fellow, 2007-2008
14. Jose Luis Ramos, MD, USC research fellow, 2007-2008
15. Camila Salaroli, MD, USC research fellow, 2008-2009
16. Martin Heur, MD, PhD, USC cornea fellow, 2008-2009
17. Sheng Zhou, MD, USC cornea fellow, 2009
18. Habeeb Ahmad, MD, USC cornea fellow, 2009-2010
19. Nehal Samy, MD, USC research fellow 2009-2010
20. Chunhui Jiang, MD, USC research fellow 2009
21. Bing Qin, MD, USC research fellow 2009-2010
22. Phillip Phuc Le, USC ophthalmology resident 2009-2010
23. Michael I. Seider, MD, Intern 2009-2010
24. Catherine Cleary, MD, USC research fellow 2010
25. Bing Qin, MD, OHSU research fellow, 2010-2011

Resident Physician Academic Preceptorship

Brandon Lee, MD, USC ophthalmology resident, 2007-2010

Medical Student Research Supervision

1. Julie M. Schallhorn, USC medical student, 2006-2009
2. Pho Nguyen, USC medical student, 2007
3. Gilbert Essilfie, USC medical student, 2007
4. Omar Ragab, USC medical student, 2007
5. Timothy Hsia, USC medical student, 2009

Graduate Student Research Supervision

1. Ph.D. thesis advisor for Maolong Tang, PhD student in Biomedical Engineering, Ohio State University, 2000-2005
2. Ph.D. thesis advisor for Yan Li, PhD student in Biomedical Engineering, Case University 2000-2008
3. M.S. thesis advisor, Sung Wook Jeon, MS student in Biomedical Engineering, Case University 2002-2005
4. Ph.D. thesis advisor, Roger Lin, MD-PhD student in Biomedical Engineering, Case University 2002-2006
5. Ph.D. thesis advisor, Jason Tokayer, PhD student in Electrical Engineering, University of Southern California 2009-present

Post-doctoral Research Fellow Supervision

1. Ou Tan, Cleveland Clinic, 2002-2004
2. Maolong Tang, University of Southern California, 2004-2008
3. Yan Li, University of Southern California, 2008-2010
4. Yali Jia, Oregon Health & Science University, 2011-2012
5. Hafeez Dhalla, Duke University, 2012-2013
6. Chenxing Zhang, PhD, Xinqiao Hospital, Chongqing, China, 2012-2014

Pre-doctoral Research Fellow Supervision

1. Eric Wei, University of Southern California, 2009-2012
2. Matthew Bald, Oregon Health & Science University, 2011-2012
3. Xiaogang Wang, MS, Shanghai Jiao Tong University, Shanghai, China
4. Sucheta Mohapatra, MS Oregon Health & Science University, 2013

High School Student Research Supervision

1. Kevin Wang, Partnership for Scientific Inquiry student, Summer 2011
2. Raghav Tripathi, National Finalist, Intel Science Talent Search, Partnership for Scientific Inquiry (PSI) student, Summer 2011
3. Michael Z. Ling, Volunteer, Summer 2012

4. Ankit Gupta, Volunteer, Summer 2012
5. Brandon Orozco, Volunteer, Summer 2013
6. Yan Zhang, Volunteer, Summer 2013

Specific administrative responsibilities (school or university committees, etc)

Medical Director of Doheny Laser Vision Center, University of Southern California, 2004-present
Member, Residency Education Subcommittee, Doheny-USC Ophthalmology Faculty Planning Retreat, February 9-10, 2007
Natural Sciences, Math and Engineering Subcommittee of the USC University Committee on Curriculum for year 2007-2009
Dean's Research Cabinet, USC Keck School of Medicine, 2009-2010
Director, Center for Ophthalmic Optics & Lasers, Oregon Health & Science University, 2010-present
Research Advisory Committee, Casey Eye Institute, Oregon Health & Science University, 2011

Military Service

U.S. Army Reserve Infantry 1983-85. U.S. Army Reserve Medical Corp 1985-1996.
Honorable discharge with rank of captain

Community Service

None

University Service

Steering Committee Member, OHSU Center for Spatial Systems Biomedicine, 2012

Professional Service

Editorial Board Membership

Member, Editorial Board, *Journal of Cataract & Refractive Surgery*, July 2002-2010
Member, Editorial Board, *Ophthalmic Surgery Lasers & Imaging: Retina*, January 2013
Member, Editorial Board, *Ophthalmic Surgery Lasers & Imaging*, May 2002- December 2012
Member, Editorial Board, *Taiwan Journal of Ophthalmology*, January-December 2011
Member, Overseas Editor, *Chinese Journal of Ophthalmologic Medicine*, December 2011.
Member, Editorial Board, *Atlas Ophthalmology* 2012-present
Member, Editorial Board, *Eye and Vision*, April 2013-present
Member, Editorial Board, *Experimental Eye Research*, October 2013-present
Guest Editor, *BioMed Research International Special Issue: Ocular Blood Flow and Visual Function*, 2015

Journal Reviewer

American Journal of Ophthalmology
Archives of Ophthalmology
British Journal of Ophthalmology
Cornea
Graefe's Archive for Clinical and Experimental Ophthalmology
Investigative Ophthalmology & Visual Science
Journal of Refractive surgery
Journal of Biomedical Optics
Ophthalmology
Optics Express
Optometry & Visual Science
Biomedical Optics Express
Optics Letters
Journal of Vision

Conferences

Session chair, *Wavefront Sensing and Adaptive Optics in Vision Correction*, Gordon Conference on Lasers in Medicine and Biology, July 14-19, 2002.

Moderator, *Advances in Anterior Segment Imaging Symposium*, Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL, April 30-May 4, 2006.

Co-chair, *Ocular Imaging Symposium*, Asia Association for Research in Vision & Ophthalmology Annual Meeting, March 2-5, 2007.

Co-moderator, *New Technologies for In Vivo Imaging in the Eye Symposium*, Association for Research in Vision & Ophthalmology Annual Meeting, Fort Lauderdale, FL, May 6-10, 2007.

Co-moderator, *Corneal Imaging Paper Session*, Association for Research in Vision & Ophthalmology Annual Meeting, Fort Lauderdale, FL, April 26-30, 2008.

Co-moderator, *Imaging I: Posterior Segment Paper Session*, Association for Research in Vision & Ophthalmology Annual Meeting, Fort Lauderdale, FL, April 26-30, 2008.

Co-chair, *Advanced Structural and Functional Imaging*, World Ophthalmology Congress, Hong Kong, June 28 – July 2, 2008.

Co-chair, *Corneal Imaging*, World Ophthalmology Congress, Hong Kong, June 28 – July 2, 2008.

Co-moderator, *Corneal Topography and Imaging*, Asia-ARVO Meeting on Research in Vision and Ophthalmology, Hyderabad, India, January 15-18, 2009.

Co-moderator, *Glaucoma I*, Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, May 1-2, 2009.

Moderator, *Corneal Imaging*, Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL, May 2-6, 2010.

Moderator, *Corneal Imaging*. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL. May 2012.

Moderator, *Multidisciplinary Ophthalmic Imaging*. Association for Research in Vision & Ophthalmology Annual Meeting, Ft Lauderdale, FL. May 2012.

Co-organizer, Association for Ocular Circulation Meeting, Oregon Health & Science University, Portland, OR, July 14-15, 2012.

Moderator, *Glaucoma Imaging II*, Association for Research in Vision & Ophthalmology Annual Meeting, Seattle, WA, May 5-9, 2013.

Moderator, *Multidisciplinary Ophthalmic Imaging: Functional Optical Imaging*. Association for Research in Vision & Ophthalmology Annual Meeting, Seattle, WA, May 5-9, 2013.

Moderator, *CNV Poster Session*. Association for Research in Vision & Ophthalmology Annual Meeting, Seattle, WA, May 5-9, 2013.

Moderator, *Basic/Clinical Lecture: Optical Biopsy of Ocular Tissues: Recent Advances & Future Directions*. Association for Research in Vision & Ophthalmology Annual Meeting, Seattle, WA, May 5-9, 2013.

Moderator, *AMD Imaging & Phenotyping Session*. Association for Research in Vision & Ophthalmology Annual Meeting, Orlando, FL, May 4-8, 2014.

Moderator, *New Discoveries using Ophthalmic Imaging and MOI Business Meeting*. Association for Research in Vision & Ophthalmology Annual Meeting, Orlando, FL, May 4-8, 2014.

Moderator, *Multidisciplinary Ophthalmic Imaging Group: Cellular-Scale Imaging – From In Vitro to In-Vivo*. Association for Research in Vision & Ophthalmology Annual Meeting, Orlando, FL, May 4-8, 2014.

Moderator & Speaker, *En face OCT Imaging of the Eye*. Special Interest Group. Association for Research in Vision & Ophthalmology Annual Meeting, Orlando, FL, May 4-8, 2014.

Co-organizer, Symposium on *Ocular Circulation: Technologies & Applications*. Association for Research in Vision & Ophthalmology Annual Meeting, Orlando, FL, May 4-8, 2014.

National Institutes of Health Scientific Review Panel Membership

ZRG1 BDCN-F, Visual System, November 15-16, 2004

ZRG1 BDCN-F, Visual System, June 19-20, 2006

ZRG1 BDCN-F, Visual System, March 12, 2007

ZEY1 VSN04, Special Emphasis Panel, June 29, 2007

ZRG1 NT-B 01 Q, Neurotechnology, June 3, 2008

ZRG1 ETTN-R (92) M, Vision Enhancement and Technology, Scientific Review Special Emphasis Panel, February 17-18, 2009

ZRG1 ETTN-E (12) B, Visual Systems Small Business, Scientific Review Special Emphasis Panel, June 29-30, 2009

ZRG1 ETTN-E (95) S, Competitive Revisions Visual Systems Small Business, Scientific Review Special Emphasis Panel, June 30, 2009

ZRG1 ETTN-E (12) B, Visual Systems Small Business, Scientific Review Special Emphasis Panel, October 29-30, 2009

CNN, Clinical Neuroscience and Neurodegeneration Study Section, Ad hoc member, February 10-11, 2011

ZRG1 ETTN-E (12) B, Visual Systems Small Business, Scientific Review Special Emphasis Panel, February 28-March 1, 2011

ZRG1 ETTN-E (92), Visual Systems Small Business, Scientific Review Special Emphasis Panel, June 24th, 2011
ETTN Vision Technology Study Section, Working Group, 2011
ZRG1 NT-L (09) F, Neurotechnology, Scientific Review Special Emphasis Panel, October 5-6, 2011
ZRG1 ETTN-L 60 C, Collaborative: R01s for Clinical Studies of Mental Disorders, Scientific Review Special Emphasis Panel, October 5-6, 2011
ZRG1 ETTN-L (30) I, Shared Instrumentation: Grant Program, Scientific Review Special Emphasis Panel, October 5-6, 2011
ETTN IRG, Neuroscience and Ophthalmic Imaging Technologies (NOIT), Ad hoc Member, 2013

ETTN IRG, Neuroscience and Ophthalmic Imaging Technologies (NOIT), Member, July 1, 2014-June 30, 2018

Other employment or activity

Founder and Chief Innovation Officer, Gobiqumy Mobile Health, Inc.
(www.gobiqumy.com, formerly iCheck Health Connection), Aliso Viejo, CA
2014-present. Gobiqumy develops mobile diagnostic apps and devices for medical professionals.
President and Founder, iCheck Health Connection, Inc., Portland, OR, 2011-2013
Member, Advisory Board, Ophthalmology-Neuroprotection for Optic Neuritis, Allergan, Inc., 2012
Member, Medical Advisory Board, Stroma Corporation, 2010-2011
Consultant, ReVision Optics, Inc., 2008
Consultant, Vistakon, Inc., 2008
Scientific & Medical Advisory Boards, Optovue, Inc., 2006-2010

Committee membership

National/International

Member, Committee on Ophthalmic Procedures Assessment (COPA) Refractive Surgery Panel, American Academy of Ophthalmology, July-December, 2000
Member, Ophthalmic Technology Assessment Committee (OTAC) Refractive Surgery Panel, American Academy of Ophthalmology, January 1, 2000-2010
Founding Governing Board Member, International Society for Imaging in the Eye, 2002 - present
Member, Program Committee, Association for Research in Vision and Ophthalmology, 2004 - 2006
Co-Chair, Cornea Section of the Annual Meeting Program Committee, Association for Research in Vision and Ophthalmology, 2006-2007
Member, Specialty Corneal Allograft Council, Tissue Banks International, October 2005 - present
Member, Governing Board, Overseas Chinese Association for Vision and Eye Research (OCAVER), June 2008 - 2018

Member, World Glaucoma Association Global Consensus on Blood Flow Meeting
Planning Committee, January-May, 2009
Member, Program Committee for Multimodality Ophthalmic Imaging (MOI),
Association for Research in Vision and Ophthalmology, 2011-2013
Chair, Multimodality Ophthalmic Imaging (MOI) subcommittee, Association for
Research in Vision and Ophthalmology, 2013-2014
Founding Member, Clinical En Fase OCT Focus Group, 2012

D. Society Memberships

National and International

American Academy of Ophthalmology
American Glaucoma Society, associate member
American Society of Cataract and Refractive Surgery
Association for Ocular Circulation (founding member)
Association for Research in Vision and Ophthalmology
Chinese American Ophthalmological Society
International Society for Imaging in the Eye (founding board member)
International Society of Refractive Surgery
Optical Society of America (senior member)
Society of Photo-optical Instrumentation Engineers (SPIE)
American Ophthalmological Society

State

Oregon Medical Association, 2010-2012
Max Fine Cornea Association

City

Los Angeles Society of Ophthalmology

E. Consultantships:

Member, Data Safety Monitoring Board, “A Two-Phase Pilot/Pivotal Study to Evaluate
the Efficacy and Safety of the Trans Corneal Glaucoma Shunt in Patients with
Glaucoma,” study sponsored by Becton Dickenson, 2006-2010
Member, Scientific and Medical Advisory Board, Optovue, Inc., 2006-present
Consultant, Johnson & Johnson Vistakon, 2007-2008.
Consultant, ReVision Optics, Inc., 2008
Scientific advisor, Stroma Medical, Inc., 2011

F. Research Activities

Major Areas of Research Interest

Optical coherence tomography (OCT)
Refractive surgery
Laser-assisted corneal transplantation
Intraocular lens power formula
Corneal topography
Corneal power measurement
Keratoconus
Glaucoma
Imaging-guided intervention
Surgical instrumentation

Research in Progress

Advanced imaging for glaucoma
Corneal and anterior segment optical coherence tomography
OCT for retinal diseases
Optical coherence domain reflectometry in brain probe

Research Grants, Active

\$ Direct cost over grant period

1. Functional and Structural Optical Coherence Tomography for Glaucoma
NIH/NEI R01EY023285 \$2,995,904
09/01/2013 – 08/31/2017 Principal investigator (45%)
2. Functional Optical Coherence Tomography Resource Center (Pilot Grant)
OCTRI \$98,286
4/1/2013-3/31/14 Principal investigator (2%)
3. Guiding the Treatment of Anterior Eye Disease with Optical Coherence Tomography
NIH/NEI R01 EY018184 \$3,169,923
9/1/2011-8/31/2016 Principal Investigator (20%)
4. Glaucoma Diagnostic Algorithm
Optovue, Inc. \$26,503
2/1/2013-1/31/2014 Principal Investigator

Research Grants, Past

\$Direct cost over grant period

1. Advanced Imaging for Glaucoma (Huang)
NIH/NEI 2R01 EY013516 \$6,914,713
9/1/2008-8/31/2013 Principal Investigator (38%)
2. Anterior Segment Imaging with Fourier-Domain Optical Coherence Tomography
Optovue, Inc. \$183,629
11/1/2010-10/31/2012 Principal Investigator

3. Optical Coherence Tomography Glaucoma Diagnosis Algorithm
Optovue, Inc. \$84,965
11/1/2010-10/31/2012 Principal Investigator
4. Guiding the Treatment of Anterior Eye Disease with Optical Coherence Tomography
NIH/NEI R01 EY018184 \$825,000
3/1/2008-7/28/2011 Principal Investigator (20%)
5. Eye Bank Cornea Screening with Optical Coherence Tomography (Huang)
NIH/NEI R01 EY017723 \$1,022,230
8/1/2006-7/31/2011 Principal Investigator (20%)
6. Optical Coherence Tomography-Guided Laser-Assisted Anterior Lamellar
Keratoplasty (Huang)
Skilling Foundation \$36,000
12/10/2009-12/9/2010 Principal Investigator
7. Corneal and Anterior Segment Optical Coherence Tomography (Huang)
Optovue, Inc. \$117,853
10/21/2009-10/20/2010 Principal Investigator
8. Optical Coherence Tomography Glaucoma Algorithm (Huang)
Optovue, Inc. \$86,292
7/17/2009-7/16/2010 Principal Investigator
9. Optical Coherence Tomography Glaucoma Algorithm (Huang)
Optovue, Inc. \$69,068
3/15/2008-3/14/2009 Principal Investigator
10. Corneal and Anterior Segment Optical Coherence Tomography (Huang)
Optovue, Inc. \$145,878
5/01/2007-4/30/2009 Principal Investigator
11. Optical Coherence Tomography Glaucoma Algorithm (Huang)
Optovue, Inc. \$36,176
2/15/2007-2/15/2008 Principal Investigator
12. Advanced Imaging for Glaucoma (Huang)
NIH/NEI R01 EY013516 \$5,874,596
9/30/2003-8/31/2008 Principal Investigator
13. Contact Lens Trial (Huang)
Vistakon, Inc. \$66,400
9/25/2006-3/31/2007 Principal Investigator

14. Ethnic Eye Survey (Huang)			
Vistakon, Inc.			\$60,800
10/27/2006-6/30/2007	Principal Investigator		
15. Corneal and Anterior Segment Optical Coherence Tomography (Huang)			
Optovue, Inc.			\$20,322
3/01/2006-11/30/2006	Principal Investigator		
16. Corneal and Anterior Segment Optical Coherence Tomography (Huang)			
Zeiss Humphrey Systems, Inc.			\$260,224
01/01/2005-12/31/2006	Principal Investigator		
17. Optical Coherence Domain Reflectometry in Brain Probes (Huang)			
NIH/NIBIB R21 EB002718			\$275,000
9/30/2003-8/31/2005	Principal Investigator		
18. Corneal and Anterior Segment Optical Coherence Tomography (Huang)			
Carl Zeiss Meditec, Inc.			\$108,952
9/30/2003-8/31/2004	Principal Investigator .		
19. Partnership for Research in Optical Coherence Tomography (Izatt)			
NIH/NEI R24 EY13015			\$957,301
10/01/1999-09/30/2004	Site Principal Investigator		
20. Modeling the Corneal Epithelial Smoothing Function After Laser Refractive Surgery (Huang)			
Whitaker Foundation			\$224,610
09/01/2000-08/31/2003	Principal Investigator		
21. Glaucoma and Corneal Applications of Optical Coherence Tomography (Huang)			
Zeiss Humphrey Systems, Inc.			\$50,000
06/01/2000-4/1/2003	Principal Investigator		

Active Clinical Studies

1. Principal investigator on NIH/NEI Guiding the Treatment of Anterior Eye Disease with Optical Coherence Tomography, 2011-2016.
2. Principal investigator on NIH/NEI Functional and Structural Optical Coherence Tomography for Glaucoma, 2013-2017.
3. Principal Investigator on NIH National Center for Advancing Translational Sciences/OCTRI Functional Optical Coherence Tomography Resource Center, 2013-2015.

Active Clinical Trials

eIRB

Topic

6612	Clinical trial of OCT based IOL power formula
6612	Observational study of corneal power, astigmatism and aberration change after LASIK
6612	Observational study of corneal opacities in adults
6612	Clinical trial on OCT-guided transepithelial PTK
6612	Observational study of keratoconus and post-keratoplasty eyes
6612	Randomized clinical trial of OCT guided LALAK in adults
6612	Observational study of corneal opacities in children
6612	Randomized clinical trial of OCT-guided LALAK in children
6612	Randomized clinical trial of OCT-guided DSAEK graft shaping and smoothing
6611	Advanced Imaging for Glaucoma
6820	Anterior Segment Imaging with FD-OCT
6823	Glaucoma Diagnostic Algorithm
8456	Pilot studies for new scan protocols using ultrahigh-speed OCT
8568	Cross-linking with keratoconus or corneal ectasia after refractive surgery

Past Clinical Trials

1. Co-investigator on Alcon Summit Autonomous FDA Phase III Trial on “LASIK for hyperopia with and without astigmatism and mixed astigmatism” 1999-2000
2. Co-investigator on Alcon FDA Phase III Trial “CustomCornea LASIK Treatment Study,” Protocol# 7201-0026 and “CustomCornea Ocular Irregularities LASIK Study,” Protocol# 7201-0028, 2002-2003
3. Principal investigator on NIH “Partnership for Research in Optical Coherence Tomograph,” OCT for corneal, anterior segment, and retinal imaging, 1999-2004
4. Principal investigator on “Corneal and Anterior Segment Optical Coherence Tomography” sponsored by Carl Zeiss Meditec, Inc., 2005-2006
5. Principal investigator on NIH Advanced Imaging for Glaucoma multi-center clinical study coordinating center, 2008-2013.

BIBLIOGRAPHY

PATENTS

1. Swanson EA, **Huang D**, Fujimoto JG, Puliafito CA, Lin CP, Schuman JS, inventors. Methods and apparatus for optical imaging with means for controlling the longitudinal range of the sample. US patent 5,321,501. June 14, 1994.
2. Swanson EA, **Huang D**, Fujimoto JG, Puliafito CA, Lin CP, Schuman JS, inventors. Method and apparatus for performing optical measurements. US patent 5,459,570. October 17, 1995.
3. Lee RC, **Huang D**, inventors. Method for producing oriented connective tissue cells in a ligament configuration. US patent 5,521,087. May 28, 1996.
4. Lee RC, **Huang D**, inventors. Method for producing oriented connective tissue cells. US patent 5,700,688. December 23, 1997.
5. Lee RC, **Huang D**, inventors. Method for producing oriented connective tissue. US patent 5,756,350. May 26, 1998.
6. **Huang D**, McDonnell PJ, inventors. Apparatus and method for performing laser thermal keratoplasty with minimized regression. US patent 6,033,396. March 7, 2000, expires November 6, 2016.
7. Wei J, **Huang D**, Peterson C, inventors. Optical coherence tomography with new interferometer. US patent 6,053,613. April 25, 2000.
8. **Huang D**, Kirschbaum AR, Wei J, inventors. Method and apparatus for diagnosing and monitoring eye disease. US patent 6,293,674. September 25, 2001.
9. **Huang D**, inventor. Apparatus and methods for performing laser thermal keratoplasty with minimized regression. US patent 6,520,956. February 18, 2003, expires November 6, 2016.
10. **Huang D**, Tan O, Li Y, inventors. Method and apparatus for measuring a retinal sublayer characteristic. US patent 7,347,548. March 25, 2008, expires May 2023.
11. **Huang D**, Tang M, inventors. Gaussian fitting on mean curvature maps for parameterization of corneal ectatic diseases. US patent 7,497,575 issued March 3, 2009.
12. Wei J, Jang B, **Huang D**, Zhao Y, inventors. Method of eye examination by optical coherence tomography. US patent 7,744,221 B2 issued June 29, 2010.
13. **Huang D**, Lu ATH, Tan O, inventors. Methods for diagnosing glaucoma utilizing combinations of FD-OCT measurements from three anatomic regions of the eye. US patent 7,905,599 B2. March 15, 2011.
14. **Huang D**, Sadda SR, Tan O, inventors. Mapping and diagnosis of macular edema by optical coherence tomography. US patent 7,997,728 B2. August 16, 2011.
15. **Huang D**, Wang Y, inventors. Methods and systems for blood flow measurement using Doppler optical coherence tomography. US patent 8,244,334 B2. Priority April 10, 2007; Filing April 10, 2008; Publication August 14, 2012.
16. **Huang D**, Tan O, inventors. Pattern analysis of retinal map for the diagnosis of optic nerve diseases by optical coherence tomography. US patent 8,474,978. Publication July 2, 2013.

PENDING PATENTS

17. **Huang D**, Song J, Li Y, Tang M, inventors. Method and apparatus to guide laser corneal surgery with optical measurement. US patent application US2007/0282313 A1. June 1, 2007.

18. Ko TH, Zhao Y, **Huang D**, inventors. Extended range imaging. US patent application US2010/0033727 A1. July, 21, 2009.
19. **Huang D**, Wang Y, inventors. Cascade multichannel Fourier-domain optical coherence tomography. US invention disclosure. February 23, 2010.
20. **Huang D**, Li Y, Tan O, Tang M, inventors. Methods and systems to measure corneal epithelial thickness and power, stromal thickness, subepithelial corneal power and topography for disease diagnosis. US patent application. May 3, 2011.
21. **Huang D**, Murphree AL, Ishikawa H, inventors. System and method for documenting and recording of the papillary red reflex test and corneal light reflex screening of the eye in infants and young children. US patent application 61/532,467. September 8, 2011.
22. **Huang D**, inventor. Video game to monitor retinal diseases. US patent application 61/562,343. November 21, 2011.
23. **Huang D**, Ishikawa H, inventors. Video game to monitor visual field loss in glaucoma. US patent application 61/578-054. December 20, 2011.
24. **Huang D**, inventor. Tear film and tear meniscus dynamics with time-lapse optical coherence tomography. US patent application 61/418,324. November 30, 2010. US patent application 13/308,152. November 30, 2011.
25. Hee M, Wei J, **Huang D**, Zhou Q, Zhao Y, Jang B, Ko TH, inventors. Scanning and Processing using optical coherence tomography. US patent application 13/310,626. December 2, 2011.
26. **Huang D**, Jia Y, Tan O, inventors. In vivo optical flow imaging. US patent application 61/594,967. February 3, 2012.
27. **Huang D**, Jia Y, Tan O, Tokayer J. Split-spectrum amplitude-decorrelation angiography with optical coherence tomography. US patent application 61/594,967.
28. **Huang D**, Tan O, Jia Y, inventors. Blood flow measurement with multiple rings circular scan using SSADA. US patent application.
29. **Huang D**, Jia Y, Tan O, Tokayer J. Quantification of local circulation within various ocular vascular beds with OCT angiography. US patent application 61/699,257.
30. **Huang D**, Tan O. Invention disclosure: Optical coherence tomography measurements of retinal vessel relief height in the detection of glaucoma. OHSU ID# 1930.

PEER REVIEWED ARTICLES

1. **Huang D**, Wang J, Lin CP, Puliafito CA, Fujimoto JG. Micron-resolution ranging of cornea and anterior chamber by optical reflectometry. *Lasers Surg Med.* 1991;11:419-425.
2. **Huang D**, Swanson EA, Lin CP, Schuman JS, Stinson WG, Chang W, Hee MR, Flotte T, Gregory K., Puliafito CA, Fujimoto JG. Optical coherence tomography. *Science.* 1991;254:1178-1781.
3. Gabetta G, **Huang D**, Jacobson J, Ramaswamy M, Ippen EP, Fujimoto JG. Femtosecond pulse generation in Ti:Al₂O₃ using a microdot mirror modelocker. *Opt Lett* 1991;16:1756-1758.
4. Swanson EA, **Huang D**, Hee MR, Fujimoto JG, Lin CP, Puliafito CA. High-speed optical coherence domain reflectometry. *Opt Lett.* 1992;17;151-153.
5. **Huang D**, Ulman M, Acioli LH, Haus HA, Fujimoto JG. Self-focusing induced saturable loss for laser modelocking. *Opt Lett.* 1992;17:511-513.

6. Hee MR, **Huang D**, Swanson EA, Fujimoto JG. Polarization sensitive low coherence reflectometer for birefringence characterization and ranging. *J Optical Soc Am B: Optical Physics*. 1992;9:903-908.
7. Weiss TF, Trevisan G, Doering EB, Shah DM, **Huang D**, Berkenblit SI. Software for teaching physiology and biophysics. *J Sci Educ Technol*. 1992;1:4-23.
8. **Huang D**, Chang TR, Aggarwal A, Lee RC, Ehrlich HP. Mechanisms and dynamics of mechanical strengthening in ligament-equivalent fibroblast-populated collagen matrices. *Ann Biomed Eng*. 1993;21:289-98.
9. Swanson EA, Izatt JA, Hee MR, **Huang D**, Lin CP, Schuman JS, Puliavito CA, Fujimoto JG. In vivo retinal imaging by optical coherence tomography. *Opt Lett*. 1993;18:1864-1866.
10. Izatt JA, Hee MR, Swanson EA, Lin CP, **Huang D**, Schuman JS, Puliavito CA, Fujimoto JG. Micrometer-scale resolution imaging of the anterior eye in vivo with optical coherence tomography. *Arch Ophthalmol*. 1994;112:1584-1589.
11. Hee MR, Izatt JA, Swanson EA, **Huang D**, Schuman JS, Lin CP, Puliavito CA, Fujimoto JG. Optical coherence tomography of the human retina. *Arch Ophthalmol*. 1995;113:325-332.
12. **Huang D**, Stulting RD, Carr JD, Thompson KP, Waring GO III. Multiple regression and vector analyses of refractive outcomes of laser in situ keratomileusis for myopia and astigmatism. *J Refract Surg*. 1999;15:538-549.
13. **Huang D**, Sur S, Seffo F, Meisler DM, Krueger RR. Surgically-induced astigmatism after laser in situ keratomeileusis for spherical myopia. *J Refract Surg*. 2000;16:515-518.
14. Jeng BH, **Huang D**. Anterior chamber stability during bimanual irrigation/aspiration. Theoretical and experimental analysis. *J Cataract Refract Surg*. 2001;27:1670-1678.
15. Rapuano CJ, Sugar A, Koch DD, Agapitos PJ, Culbertson WW, de Luise VP, **Huang D**, Varley GA. Intrastromal corneal ring segments for low myopia: a report by the American Academy of Ophthalmology. *Ophthalmology*. 2001;108:1922-1928.
16. Pineda-Fernandez A, Rueda L, **Huang D**, Nur J, Jaramillo J. Laser in situ keratomileusis for hyperopia and hyperopic astigmatism with the Nidek EC-5000 Excimer laser. *J Refract Surg*. 2001;17:670-675.
17. Sugar A, Rapuano CJ, Culbertson WW, **Huang D**, Varley GA, Agapitos PJ, de Luise VP, Koch DD. Laser in situ keratomileusis for myopia and astigmatism: safety and efficacy: a report by the American Academy of Ophthalmology. *Ophthalmology*. 2002;109:175-187.
18. **Huang D**, Arif M. Spot size and quality of scanning laser correction of higher-order wavefront aberrations. *J Cataract Refract Surg*. 2002;28:407-416.
19. Rueda L, Pineda-Fernandez A, **Huang D**, Nur J. Laser in situ keratomileusis for mixed and simple myopic astigmatism with the Nidek EC-5000 laser. *J Refract Surg*. 2002;18:234-238.
20. Tekwani N, **Huang D**. Risk factors for intraoperative epithelial defect in laser in-situ keratomileusis. *Am J Ophthalmol*. 2002;134:311-316.
21. **Huang D**, Tang M, Shekhar R. Mathematical model of corneal surface smoothing after laser refractive surgery. *Am J Ophthalmol*. 2003;135(3):267-278.
22. Garcia ML, **Huang D**, Crowe S, Traboulsi EI. Relationship between the axis and degree of high astigmatism and obliquity of palpebral fissure. *JAAPOS*. 2003;7:14-22.

23. Lin RC, Shure MA, Rollins AM, Izatt JA, **Huang D**. Group index of the human cornea at 1.3-microm wavelength obtained *in vitro* by optical coherence domain reflectometry. *Opt Lett*, 2004;29:83-85.
24. Varley GA, **Huang D**, Rapuano CJ, Schallhorn SC, Boxer Wachler BS, Sugar A. Ophthalmic Technology Assessment Committee Refractive Surgery Panel. American Academy of Ophthalmology. LASIK for hyperopia, hyperopic astigmatism, and mixed astigmatism: a report by the American Academy of Ophthalmology. *Ophthalmology*. 2004;111:1604-1617.
25. Jeon SW, Shure MA, Rollins AM, **Huang D**. Corneal hydration imaging using dual-wavelength optical coherence tomography. *Proc SPIE* 2004;5316:113-118.
26. **Huang D**, Li Y, Radhakrishnan S. Optical coherence tomography of the anterior segment of the eye. *Ophthalmol Clin North Am* 2004;17:1-6.
27. Goldsmith JA, Li Y, Chalita MR, Westphal V, Patil CA, Rollins AM, Izatt JA, **Huang D**. Anterior chamber width measurement by high-speed optical coherence tomography. *Ophthalmology* 2005;112:238-244.
28. Tang M, Shekhar R, **Huang D**, Mean curvature mapping for the detection of corneal shape abnormality. *IEEE Trans Med Imaging* 2005;24:424-427.
29. Thorell WE, Chow MM, Prayson RA, Shure MA, Jeon SW, **Huang D**, Zeynalov E, Woo HH, Rasmussen PA, Rollins AM, Masaryk TJ. Optical coherence tomography: a new method to assess aneurysm healing. *J Neurosurg* 2005;102:348-354. PMID: PMC1779510.
30. Radhakrishnan S, Goldsmith JA, **Huang D**, Westphal V, Dueker DK, Rollins AM, Izatt JA, Smith SD. Comparison of optical coherence tomography and ultrasound biomicroscopy for detection of narrow anterior chamber angles. *Arch Ophthalmol* 2005;123:1053-1059.
31. Radhakrishnan S, **Huang D**, Smith SD. Optical coherence tomography imaging of the anterior chamber angle. *Ophthalmol Clin North Am* 2005;18:375-381.
32. Tang M, Shekhar R, Miranda D, **Huang D**. Characteristics of keratoconus on mean curvature and elevation maps. *Am J Ophthalmol* 2005;140:993-1001.
33. Chalita, MR, Li Y, Smith S, Patil C, Westphal V, Rollins AM, Izatt JA, **Huang D**. High-speed optical coherence tomography of laser iridotomy. *Am J Ophthalmol* 2005;140:1133-1136. PMID: PMC1784116.
34. Jeon SW, Shure MA, Baker KB, Chahlavi A, Hatoum N, Turbay M, Rollins AM, **Huang D**. Optical coherence tomography and optical coherence domain reflectometry for deep brain stimulation probe guidance. *Proc SPIE* 2005;5686:487-494.
35. Jeon SW, Shure MA, Baker KB, **Huang D**, Rollins AM, Chahlavi A, Rezai AR. A feasibility study of optical coherence tomography for guiding deep brain probes. *J Neurosci Methods* 2006;154:96-101. PMID: PMC1769312.
36. Li Y, Shekhar R, **Huang D**, Corneal pachymetry mapping with high-speed optical coherence tomography. *Ophthalmology* 2006;113:792-799. PMID: PMC1474520.
37. Sadda SR, Tan O, Walsh AC, Schuman JS, Varma R, **Huang D**. Automated detection of clinically significant macular edema by grid scanning optical coherence tomography. *Ophthalmology* 2006;113:1187-1196. PMID: PMC1779509.
38. Torres LF, Saez-Espinola F, Colina JM, Retchkiman M, Patel MR, Agurto R, Garcia G, Diaz JL, **Huang D**, Schanzlin DJ, Chayet AS. In vivo architectural analysis of 3.2 mm

- clear corneal incisions for phacoemulsification using optical coherence tomography. *J Cataract Refract Surg* 2006;32:1820-1826.
39. Avila M, Li Y, Song JC, **Huang D**. High-speed optical coherence tomography for management after laser in situ keratomileusis. *J Cataract Refract Surg* 2006;32:1836-1842. PMID: PMC1785111.
 40. Sadda SR, Tan O, Walsh AC, Schuman JS, Varma R, **Huang D**. Automated detection of clinically significant macular edema by grid scanning optical coherence tomography. *Ophthalmology*. 2006;113(7):1187.e1-1187.12. PMID: PMC1779509.
 41. Tang M, Li Y, Avila M, **Huang D**. Measuring total corneal power before and after laser in situ keratomileusis with high-speed optical coherence tomography. *J Cataract Refract Surg* 2006;32:1843-1850. PMID: PMC1808223.
 42. Lai MM, Tang M, Andrade EMM, Li Y, Khurana RN, Song JC, **Huang D**. Optical coherence tomography to assess intrastromal corneal ring segment depth in keratoconic eyes. *J Cataract Refract Surg* 2006;32:1860-1865. PMID: PMC1802100.
 43. Costa RA, Skaf M, Melo LA, Calucci D, Cardillo JA, Castro JC, **Huang D**, Wojtkowski M. Retinal assessment using optical coherence tomography. *Prog Retin Eye Res* 2006;25:325-353.
 44. Sehi M, Guaqueta DC, Feuer WJ, Greenfield DS; Advanced Imaging in Glaucoma Study Group. Scanning laser polarimetry with variable and enhanced corneal compensation in normal and glaucomatous eyes. *Am J Ophthalmol* 2007;143:272-279. PMID: PMC1832116.
 45. Bakri SJ, Singh AD, Lowder CY, Chalita MR, Li Y, Izatt JA, Rollins AM, **Huang D**. Imaging of iris lesions with high-speed optical coherence tomography. *Ophthalmic Surg Lasers Imaging* 2007;38:27-34.
 46. Pedersen CJ, **Huang D**, Shure MA, Rollins AM. Measurement of absolute flow velocity vector using dual-angle delay-encoded Doppler optical coherence tomography. *Opt Lett* 2007; 32:506-508.
 47. Lin RC, Li Y, Tang M, McLain M, Rollins AM, Izatt JA, **Huang D**. Screening for previous refractive surgery in eye bank corneas using optical coherence tomography. *Cornea* 2007;26:594-599.
 48. Li Y, Netto MV, Shekhar R, Krueger RR, **Huang D**. A longitudinal study of LASIK flap and stromal thickness with high-speed optical coherence tomography. *Ophthalmology* 2007;114:1124-1132.
 49. Khurana RN, Li Y, Tang M, Lai MM, **Huang D**. High-speed optical coherence tomography of corneal opacities. *Ophthalmology* 2007;114:1278-1285.
 50. Memarzadeh F, Li Y, Francis BA, Smith RE, Gutmark J, **Huang D**. Optical coherence tomography of the anterior segment in secondary glaucoma with corneal opacity after penetrating keratoplasty. *Br J Ophthalmol* 2007;91:189-192. PMID: PMC1857632.
 51. Memarzadeh F, Li Y, Chopra V, Varma R, Francis BA, **Huang D**. Anterior segment optical coherence tomography for imaging the anterior chamber after laser peripheral iridotomy. *Am J Ophthalmol* 2007;143:877-879. PMID: PMC1913197.
 52. Radhakrishnan S, See J, Smith SD, Nolan WP, Ce Z, Friedman DS, **Huang D**, Li Y, Aung T, Chew PTK. Reproducibility of anterior chamber angle measurements obtained with anterior segment optical coherence tomography. *Invest Ophthalmol Vis Sci* 2007;48:3683-3688.

53. Reddy HS, Li Y, Yiu SC, Irvine JA, **Huang D**. Optical coherence tomography of corneal and scleral melts. *Ophthalmic Surg Lasers Imaging* 2007;38:514-517.
54. Wang Y, Bower BA, Izatt JA, Tan O, **Huang D**. In vivo total retinal blood flow measurement by Fourier domain Doppler optical coherence tomography. *J Biomed Opt* 2007;12:041215-22.
55. See JL, Chew PT, Smith SD, Nolan WP, Chan YH, **Huang D**, Zheng C, Foster PJ, Aung T, Friedman DS. Changes in anterior segment morphology in response to illumination and after laser iridotomy in Asian eyes: an anterior segment OCT study. *Br J Ophthalmol* 2007;91:1485-1489. PMID: PMC2095449.
56. Memarzadeh F, Tang M, Li Y, Chopra V, Francis BA, **Huang D**. Optical coherence tomography assessment of angle anatomy changes after cataract surgery. *Am J Ophthalmol*. 2007;144:464-465. PMID: PMC2080675.
57. Tan O, Li G, Lu ATH, Varma R, Huang D; Advanced Imaging for Glaucoma Study Group. Mapping of macular substructures with optical coherence tomography for glaucoma diagnosis. *Ophthalmology* 2008;115:949-956. PMID: PMC2692598.
58. Su DHW, Friedman DS, See JLS, Chew PTK, Chan YH, Nolan WP, Smith SD, **Huang D**, Zheng C, Li Y, Foster, PJ, Aung T. Degree of angle closure and extent of peripheral anterior synechiae: an anterior segment OCT study. *Br J Ophthalmol* 2008;92:103-107.
59. Schallhorn SC, Farjo AA, **Huang D**, Boxer Wachler BS, Trattler WB, Tanzer DJ, Majmudar PA, Sugar A. Wavefront-guided LASIK for the correction of primary myopia and astigmatism: a report by the American Academy of Ophthalmology. *Ophthalmology* 2008;115:1249-1261.
60. Alasil T, Tan O, Lu ATH, **Huang D**, Sadun, AA, Correlation of Fourier domain optical coherence tomography retinal nerve fiber layer maps with visual fields in nonarteritic ischemic optic neuropathy. *Ophthalmic Surg Laser Imaging* 2008;39(suppl):S71-S79. PMID: PMC2654551.
61. Ramos JLB, Zhou S, Yo C, Tang M, **Huang D**, High-resolution imaging of complicated LASIK flap interface fluid syndrome. *Ophthalmic Surg Lasers Imaging* 2008;39(suppl):S80-S82. PMID: PMC2654569.
62. Lu ATH, Wang M, Varma R, Schuman JS, Greenfield DS, Smith SD, **Huang D**; Advanced Imaging for Glaucoma Study Group. Combining nerve fiber layer parameters to optimize glaucoma diagnosis with optical coherence tomography. *Ophthalmology* 2008;115:1352-1357. PMID: PMC2756507.
63. Schallhorn JM, Tang M, Li Y, Song JC, **Huang D**. Optical coherence tomography of clear corneal incisions for cataract surgery. *J Cataract Refract Surg* 2008;34:1561-1565. PMID: PMC2556292.
64. Lim JI, Tan O, Fawzi AA, Hopkins JJ, Gil-Flamer JH, **Huang D**. A pilot study of Fourier domain optical coherence tomography of retinal dystrophy patients. *Am J Ophthalmol*, 2008;146:417-426. PMID: PMC2654420.
65. Li Y, Meisler DM, Tang M, Lu ATH, Thakrar V, Reiser BJ, **Huang D**. Keratoconus diagnosis with optical coherence tomography pachymetry mapping. *Ophthalmology* 2008;115:2159-2166. PMID: PMC2652571.
66. Wang Y, Bower BA, Izatt JA, Tan O, **Huang D**. Retinal blood flow measurement by circumpapillary Fourier domain Doppler optical coherence tomography. *J Biomed Opt* 2008;13:0640031-0640039. PMID: PMC2840042.

67. Wang Y, Fawzi AA, Tan O, Gil-Flamer J, **Huang D**. Retinal blood flow detection in diabetic patients by Doppler Fourier domain optical coherence tomography. *Opt Express* 2009;17:4061-4073. PMID: PMC2821425.
68. Savini G, Goto E, Carbonelli M, Barboni P, Huang D. Agreement between Stratus and Visante optical coherence tomography systems in tear meniscus measurements. *Cornea*, 2009;28:148-151.
69. Ramos JLB, Li Y, **Huang D**. Clinical and research applications of anterior segment optical coherence tomography, *Clin Exp Ophthalmol* 2009;37:81-89. PMID: PMC2706099.
70. Wang Y, Lu A, Gil-Flamer J, Tan O, Izatt JA, **Huang D**. Measurement of total blood flow in the normal human retina using Doppler Fourier-domain optical coherence tomography. *Br J Ophthalmol* 2009;93:634-637. PMID: PMC2743389.
71. Salaroli CH, Li Y, **Huang D**. High-resolution optical coherence tomography visualization of LASIK flap displacement, *J Cataract Refract Surg* 2009;35:1640-1642. PMID: PMC2765803.
72. Zhou S, Li Y, Lu ATH, Liu P, Tang M, Yiu SC, **Huang D**. Reproducibility of tear meniscus measurement by Fourier-domain optical coherence tomography: a pilot study. *Ophthalmic Surg Lasers Imaging* 2009;40:442-447. PMID: PMC2765195.
73. **Huang D**, Schallhorn SC, Sugar A, Farjo AA, Majmudar PA, Trattler WB, Tanzer DJ. Phakic intraocular lens implantation for the correction of myopia: a report by the American Academy of Ophthalmology. *Ophthalmology* 2009;116:2244-2258.
74. Tan O, Chopra V, Lu ATH, Schuman JS, Ishikawa H, Wollstein G, Varma R, **Huang D**. Detection of macular ganglion cell loss in glaucoma by Fourier-domain optical coherence tomography. *Ophthalmology* 2009;116:2305-2314. PMID: PMC2787911.
75. Samy El Gendy NM, **Huang D**. Fourier-domain optical coherence tomography of the anterior eye. *Saudi Ophthalmology* 2010;24:17-22.
76. Li Y, Tang M, Zhang X, Salaroli CH, Ramos JLB, **Huang D**. Pachymetric mapping with Fourier-domain optical coherence tomography. *J Cataract Refract Surg* 2010;36:826-831. PMID: PMC2872166.
77. Tang M, Li Y, **Huang D**. An intraocular lens power calculation formula based on optical coherence tomography: a pilot study. *J Refract Surg* 2010;26:430-437. PMID: PMC2916192.
78. Grzywacz NM, de Juan J, Claudia F, Giannini D, **Huang D**, Koch G, Russo V, Tan O, Bruni C. Statistics of optical coherence tomography data from human retina. *IEEE Transactions on Medical Imaging* 2010;29:1224-1237. PMID: PMC2922066.
79. Potsaid BM, Baumann B, **Huang D**, Barry S, Cable AE, Schuman JS, Duker JS, and Fujimoto JG. Ultrahigh speed 1050nm swept source / Fourier domain OCT retinal and anterior segment imaging at 100,000 to 400,000 axial scans per second. *Opt. Express* 2010;18:20029-20048. PMID: PMC3136869.
80. Tang M, Chen A, Li Y, **Huang D**. Corneal power measurement with optical coherence tomography. *J Cataract Refract Surg* 2010;36:2115-2122. PMID: PMC3005697.
81. Wang Y, Fawzi AA, Varma R, Sadun AA, Zhang X, Tan O, Izatt JA, **Huang D**. Pilot study of optical coherence tomography measurement of retinal blood flow in retinal and optic nerve diseases. *Invest Ophthalmol Vis Sci* 2011;52:840-845. PMID: PMC3053109.

82. Salaroli C, Li Y, Zhang X, Tang M, Ramos JLB, Allemann N, **Huang D**. Repeatability of laser in situ keratomeileusis flap thickness measurement by fourier-domain optical coherence tomography. *J Cataract Refract Surg* 2011;37:649-654. PMID: PMC3063710.
83. Baumann B, Potsaid BM, Liu JJ, Kraus MF, **Huang D**, Hornegger J, Duker JS, Fujimoto, JG. Total retinal blood flow measurement with ultrahigh speed swept source/Fourier domain OCT. *Biomedical Opt Express* 2011;2:1539-1552. PMID: PMC3114222.
84. Hong JP, Kim T, Chung JL, **Huang D**, Cho HS, Kim EK. Analysis of deposit depth and morphology in granular corneal dystrophy type 2 using fourier-domain optical coherence tomography. *Cornea* 2011;30:729-738. PMC Journal – In Process
85. Heur M, Tang M, Yiu S, Zhang X, **Huang D**. Investigation of femtosecond laser enabled keratoplasty wound geometry using optical coherence tomography. *Cornea* 2011;30:889-894. PMC Journal – In Process
86. Tang M, **Huang D**. Refractive surgical problem. *J Cataract Refract Surg* 2011;37:1371. PMC Journal – In Process
87. Wang Y, Fawzi AA, Tan O, Zhang, X, **Huang D**. Flicker-induced changes in retinal blood flow assessed by doppler optical coherence tomography. *Biomed Opt Express* 2011;2:1852-1860. PMID: PMC3130572.
88. Bujak MC, Yiu S, Zhang X, Li Y, **Huang D**. Serial measurement of tear meniscus by FD-OCT after instillation of artificial tears in patients with dry eyes. *Ophthalmic Surgery, Lasers & Imaging* 2011;42:308-313. PMC Journal – In Process.
89. Tittler EH, Bujak MC, Nguyen P, Zhang X, Li Y, Yiu SC, **Huang D**. Between-grader repeatability of tear meniscus measurements using fourier-domain optical coherence tomography in patients with dry eye. *Ophthalmic Surg Lasers & Imaging* 2011;42:423-427. PMC Journal – In Process.
90. Cleary C, Liu Y, Tang M, Li Y, Stoeger C, **Huang D**. Excimer laser smoothing of endothelial keratoplasty grafts. *Cornea* 2012;31:431-436. PMID: PMC3299824.
91. Qin B, Tang M, Li Y, Zhang X, Chu R, **Huang D**. Anterior segment dimensions in Asian and Caucasian eyes measured by optical coherence tomography. *Ophthalmic Surg Lasers & Imaging* 2012;43:135-142. PMID: PMC3402168.
92. Tang M, Wang L, Koch DD, Li Y, **Huang D**. Intraocular lens power calculation after myopic and hyperopic laser vision correction using optical coherence tomography. *Saudi J Ophthal* 2012;26:19-24. PMID: PMC3729348.
93. Konduru R, Tan O, Nittala MG, **Huang D**, Sadda SR. Reproducibility of retinal blood flow measurements derived from semi-automated Doppler OCT analysis. *Ophthalmic Surg Lasers and Imaging* 2012;43:25-31. PMC Journal – In Process.
94. Tang M, Wang L, Koch DD, Li Y, **Huang D**. Intraocular lens power calculation after previous myopic laser vision correction based on corneal power measured by Fourier-domain optical coherence tomography. *J Cataract Refract Surg* 2012;38:589–594. PMID: PMC3311993.
95. Tang M, Ward D, Ramos JLB, Li Y, Schor P, **Huang D**. Measurements of microkeratome cuts in donor corneas with ultrasound and optical coherence tomography. *Cornea* 2012;31:145-149. PMID: PMC3259255.
96. Sehi M, Bhardwaj N, Chung YS, Greenfield DS, Advanced Imaging for Glaucoma Study (**Huang D**). Evaluation of baseline structural factors for predicting glaucomatous visual-field progression using optical coherence tomography, scanning laser polarimetry and

- confocal scanning laser ophthalmology. *Eye (London)* 2012;26(12):1527-1535. PMID: PMC3522838.
97. Niles PI, Greenfield DS, Sehi M, Bhardwaj N, Iverson SM, Chung YS, Advanced Imaging for Glaucoma Study (Huang D). Detection of progressive macular thickness loss using optical coherence tomography in glaucoma suspect and glaucomatous eyes. *Eye (London)* 2012;26(7):983-91. PMID: PMC3396176.
 98. Jia Y, Tan O, Tokayer J, Potsaid BM, Wang Y, Liu JJ, Kraus MF, Subhash H, Fujimoto JG, Hornegger J, **Huang D**. Split-spectrum amplitude-decorrelation angiography with optical coherence tomography. *Opt Express* 2012;20:4710-4725. PMID: PMC3381646.
 99. Samy El Gendy NM, Li Y, Zhang X, **Huang D**. Repeatability of pachymetric mapping using Fourier-domain optical coherence tomography in corneas with opacities. *Cornea* 2012;31:418-423. PMID: PMC3299829.
 100. Jiang C, Li Y, **Huang D**, Francis BA. Study of anterior chamber aqueous tube shunt by Fourier-domain optical coherence tomography. *J Ophthalmol*. Article ID 189580, 5 pages, 2012. doi:10.1155/2012/18958. PMID: PMC3388420.
 101. Nguyen P, **Huang D**, Li Y, Sadda SR, Ramos S, Pappuru RR, Yiu, SC. Correlation between optical coherence tomography-derived assessments of lower tear meniscus parameters and clinical features of dry eye. *Cornea* 2012;31:680-685. PMID: PMC3351578.
 102. Bald M, Li Y, **Huang D**. Anterior chamber angle evaluation with Fourier-domain optical coherence tomography. *J Ophthalmol*. Article ID 103704, 5 pages, 2012. doi:10.1155/2012/103704. PMID: PMC3395157.
 103. **Huang D**, Chopra V, Lu ATH, Tan O, Francis B, Varma R, Advanced Imaging for Glaucoma Study. Does optic nerve head size variation affect circumpapillary retinal nerve fiber layer thickness measurement by optical coherence tomography? *Invest Ophthalmol Vis Sci* 2012;53:4990-4997. PMC Journal – In Process.
 104. Jia Y, Morrison JC, Tokayer JM, Tan O, Lombardi L, Baumann B, Lu CD, Choi WJ, Fujimoto JG, **Huang D**. Quantitative OCT angiography of optic nerve head blood flow. *Biomedical Opt Express* 2012. PMID: PMC3521313.
 105. Cleary C, Song JC, Tang M, Li Y, Liu Y, Yiu S, **Huang D**. Dual laser-assisted anterior keratoplasty tophat graft: a laboratory study. *Cornea* 2012; 31(7):791-797. PMID: PMC3366169.
 106. Li Y, Tan O, Brass R, Weiss JL, **Huang D**. Corneal epithelial thickness mapping by Fourier-domain optical coherence tomography in normal and keratoconic eyes. *Ophthalmology* 2012;119(12):2425-2433. PMID: PMC3514625.
 107. Chen S, Huang J, Wen D, Chen W, **Huang D**, Wang Q. Measurement of central corneal thickness by high-resolution Scheimpflug imaging, fourier-domain optical coherence tomography and ultrasound pachymetry. *Acta Ophthalmologica* 2012;90:449-455. PMC Journal – In Process.
 108. Hwang JC, Konduru R, Zhang X, Tan O, Francis BA, Varma R, Sehi M, Greenfield DS, Sadda SR, **Huang D**. Relationship among visual field, blood flow, and neural structure measurements in glaucoma. *Invest Ophthalmol Vis Sci* 2012;53:3020-3026. PMID: PMC3378085.

109. Baumann B, Choi W, **Huang D**, Duker JS, Fujimoto JG. Swept source/Fourier domain polarization sensitive optical coherence tomography with a passive polarization delay unit. *Opt Express* 2012;20:10229-10241. PMID: PMC3366588.
110. Le HGT, Tang M, Ridges R, **Huang D**, Jacobs DJ. Pilot study for OCT guided design and fit of a prosthetic device for treatment of corneal disease. *J Ophth* 2012. doi 10.1155/2012/812034. PMID: PMC3536438.
111. Hsia T, Tang M, Pan B, Krumeich JH, Li Y, et al. (2012) Angled Mushroom Pattern Femtosecond Laser Lamellar Keratoplasty for Krumeich Ring Insertion: A Laboratory Study. *J Clin Exp Ophthalmol* 3:232. doi:10.4172/2155-9570.1000232.
112. Qin B, Francis BA, Li Y, Tang M, Zhang X, Jiang C, Cleary C, **Huang D**. Anterior chamber angle measurements using Schwalbe's line with high resolution Fourier-domain optical coherence tomography. *J Glaucoma* 2012. doi: 10.1097/IJG.0b013e318264b921. PMID: PMC3496838.
113. Sehi M, Chung YS, Greenfield DS, Zhang X, Wollstein G, Francis BA, Schuman JS, Varma R, **Huang D**. Retinal nerve fiber layer atrophy is associated with visual field loss over time in glaucoma suspect and glaucomatous eyes. *Am J Ophthal* 2012;155:73-82. PMID: PMC3525739.
114. Aggarwal D, Tan O, **Huang D**, Sadun A. Patterns of ganglion cell complex and nerve fiber layer loss in non-arteritic ischemic optic neuropathy by Fourier-domain optical coherence tomography. *Invest Ophthalmol Vis Sci* 2012;53:4539-4545. PMC Journal – In Process.
115. Choi WJ, Potsaid BM, Jayaraman V, Baumann B, Grulkowski I, Liu JJ, Lu CD, Cable AE, **Huang D**, Duker JS, Fujimoto JG. Phase-sensitive swept-source OCT imaging of the human retina with a vertical cavity surface-emitting laser (VCSEL) light source. *Opt Lett*. 2012;3:338-340. PMID: PMC3721635.
116. Grewal S, Sehi M, Paauw JD, Greenfield DS, and the **Advanced Imaging in Glaucoma Study Group (Huang D)**. Detection of progressive retinal nerve fiber layer thickness loss with optical coherence tomography using 4 criteria for functional progression. *J Glaucoma* 2012;21:214-220. PMID: PMC3170667.
117. Wu W, Tan O, Pappuru RR, Duan H, **Huang D**. Assessment of frame averaging algorithms in OCT image analysis. *Ophthalmic Surg Lasers Imaging Retina* 2012;44:168-175. PMID: PMC4038406.
118. Wang M, Lu ATH, Varma R, Schuman JS, Greenfield DS, **Huang D**, Advanced Imaging for Glaucoma Study Group. Combining information from three anatomic regions in the diagnosis of glaucoma with time-domain optical coherence tomography. *Journal of Glaucoma* 2012. doi: 10.1097/IJG.0b013e318264b941. PMID: PMC3535579.
119. Bald M, Li Y, Tang M, Wei E, Song J, **Huang D**. Anterior segment imaging with optical coherence tomography. *Ophthalmology International* 2012: Autumn:74-79. PMC Journal – In Process.
120. Cleary C, Tang M, Ahmed H, Fox M, **Huang D**. Beveled femtosecond laser astigmatic keratotomy for the treatment of high astigmatism post-penetrating keratoplasty. *Cornea*. 2013;32:54-62. PMID: PMC3754433.
121. Li Y, Lowder C, Zhang X, **Huang D**. Anterior chamber cell grading by optical coherence tomography. *Invest Ophthalmol Vis Sci*. 2013; 54(1):258-265. PMID: PMC3544530.

122. Bald MR, Stoeger C, Galloway J, Tang M, Holiman J, **Huang D**. Use of Fourier-domain optical coherence tomography to evaluate anterior stromal opacities in donor corneas. *J Ophth* 2013. doi 10.1155/2013/397680. PMID: PMC3625538.
123. Jiang C, Li Y, Huang D, Francis BA. Study of anterior chamber aqueous tube shunt by Fourier-domain optical coherence tomography. In: Allemann N, Coleman DJ, Pavlin CH, **Huang D**, eds. *Imaging the anterior segment: high-frequency ultrasound and anterior segment OCT*. Sao Paulo, Brazil: J of Ophthal Hindawi Publishing Corp.; 2012. <http://dx.doi.org/10.1155/2013/398715>.
124. Tokayer J, Jia Y, Dhalla AH, **Huang D**. Blood flow velocity quantification using split-spectrum amplitude-decorrelation angiography with optical coherence tomography. *Biomedical Opt Express* 2013;4:1909-1924. PMID: PMC3799655.
125. Tang M, Stoeger C, Galloway J, Holiman J, Bald M, **Huang D**. Evaluating DSAEK graft deturgescence in preservation medium after microkeratome cut with optical coherence tomography. *Cornea* 2013;32:847-850. PMID: PMC3651749.
126. Le PV, Tan O, Chopra V, Francis BA, Ragab O, Varma R, **Huang D**. Regional correlation among ganglion cell complex, nerve fiber layer, and visual field loss in glaucoma. *Invest Ophthalmol Vis Sci* 2013;54:4287-4295. PMID: PMC3691052.
127. Lee JC, Wong B, Tan O, Srinivas S, Sadda SR, **Huang D**, Fawzi AA. Pilot study of Doppler optical coherence tomography of retinal blood flow following laser photocoagulation in poorly controlled diabetic patients. *Invest Ophthalmol Vis Sci*. 2013;54:6104-6111. PMID: PMC3771559.
128. Hwang JC, Khine KT, Rao NA, Minckler DS, Memarzadeh F, Li Y, **Huang D**, Francis BA. Assessment of the anterior chamber angle after trabectome glaucoma surgery by optical coherence tomography, histopathology, ultrasound biomicroscopy and scanning electron microscopy. *Int J Ophthalmic Pathol* 2013 2:4. <http://doi.org/10.4172/2324-8599.1000125>.
129. Zhou SY, Wang CX, Cai XY, **Huang D**, Liu YZ. Optical coherence tomography and ultrasound biomicroscopy imaging of opaque corneas. *Cornea* 2013;32:e25-30. doi: 10.1097/ICO.0b013e318261eb2b. PMID: PMC3993526.
130. Qin B, Chen S, Brass R, Li Y, Tang M, Zhang X, Wang X, Wang Q, **Huang D**. Keratoconus diagnosis with an optical coherence tomography-based pachymetric scoring system. *J Cataract Refract Surg* 201339(12):1864-1871. <http://dx.doi.org/10.1016/j.jcrs.2013.05.048>. PMID: PMC4068244.
131. **Huang D**, Tang M, Wang L, Zhang X, Armour RL, Gattey DM, Lombardi LH, Koch DD. Optical coherence tomography-based corneal power measurement and intraocular lens power calculation following laser vision correction. *Trans Am Ophthalmol Soc* 2013;111:34-45. PMID: PMC3797831.
132. Wei E, Jia Y, Tan O, Potsaid B, Liu JJ, Choi WJ, Fujimoto JG, **Huang D**. Parafoveal retinal vascular response to pattern visual stimulation assessed with OCT angiography. *PLoS ONE* 8(12): e81343. Doi:10.1371/journal.pone.0081343.
133. Zhang C, Tang M, **Huang D**. Dissection of Intrastromal Corneal Ring segments into Optical Zone. *Atlas of Ophthalmol* 2013. <http://www.atlasophthalmology.com/atlas/folder.jsf?node=9690>.
134. Wang X, Jia Y, Spain R, Potsaid B, Liu JJ, Baumann B, Hornegger J, Fujimoto JG, Wu Q, **Huang D**. Optical coherence tomography angiography of optic nerve head and parafovea in multiple sclerosis. *Br J Ophthalmol* 2014;98:1368-1373.

135. Cleary C, Li Y, Tang M, Samy El Gendy N, **Huang D**. Predicting transepithelial phototherapeutic keratectomy outcomes using Fourier-domain optical coherence tomography. *Cornea* 2014;33:280-287. PMID: PMC3946298.
136. Jia Y, Bailey ST, Wilson DJ, Tan O, Klein ML, Flaxel CJ, Potsaid B, Liu JJ, Lu CD, Kraus MF, Fujimoto JG, **Huang D**. Quantitative optical coherence tomography angiography of choroidal neovascularization in age-related macular degeneration. *Ophthalmology* 2014. doi: 10.1016/j.ophtha.2014.01.034.
137. Sehi M, Goharian I, Konduru R, Tan O, Srinivas S, Sadda S, Francis BA, **Huang D**, Greenfield DS. Retinal blood flow in glaucomatous eyes with single hemifield damage. *Ophthalmology* 2014;121:750-758. doi: 10.1016/j.ophtha.2013.10.022. PMID: PMC3943624.
138. Vaughan J, **Huang D**. Two-tap amblyopia screening. *The Ophthalmologist* 2014;9:26-28.
139. Jia Y, Wei E, Wang X, Zhang X, Morricson JC, Parikh M, Lombardi LH, Gattey DM, Armour RL, Edmunds B, Kraus MF, Fujimoto JG, **Huang D**. Optical coherence tomography angiography of optic disc perfusion in glaucoma. *Ophthal* 2014;121:1322-1332.

ARTICLES IN PRESS

140. Rose K, Jong M, Yusof F, Tayyari F, Tan O, **Huang D**, Sadda SR, Flanagan JG, Hudson C. Grader learning effect and reproducibility of Doppler spectral-domain optical coherence tomography derived retinal blood flow measurements. *Acta Ophthalmologica* 2014. Doi:10.1111/aos.12479. PMC Journal – In Process.
141. Zhang C, Bald M, Tang M, Li Y, Huang D. Laboratory evaluation of interface quality of different corneal lamellar cut depth for femtosecond laser-assisted lamellar anterior keratoplasty. *J Cataract Refract Surg* 2014. PMC Journal – In Process.

BOOKS

1. **Huang D**, Kaiser P, Lowder C, Traboulsi EI, eds. *Retinal Imaging*. Philadelphia, PA: Elsevier Inc.; 2006.
2. Steinert R, **Huang D**, eds. *Anterior Segment Optical Coherence Tomography*. Thorofare, NJ: SLACK Inc.; 2008.
3. **Huang D**, ed. *RTVue Fourier-Domain Optical Coherence Tomography Primer Series: Cornea & Anterior Segment*. Fremont, CA: Optovue Inc.; 2008.
4. **Huang D**, Duker JS, Fujimoto JG, Lumbroso B, Schuman JS, Weinreb R, eds. *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Thorofare, NJ: SLACK Inc.; 2010.
5. Lumbroso B, **Huang D**, Romano A, Rispoli M, and Coscas G, eds. *Clinical En face OCT Atlas*. New Delhi, India: Jaypee Brothers Medical Publishers Ltd.; 2012.

6. Allemann N, Jackson Coleman D, Pavlin CJ, Huang D, eds. *Imaging the Anterior Segment: High-Frequency Ultrasound and Anterior Segment OCT*. Sao Paulo, Brazil: J Ophthal, Hindawi Publishing Corp.; 2013.
7. Lumbroso B, Huang D, Jia Y, Fujimoto JG, Rispoli M, eds. *Clinical Guide to Angio-OCT: Non Invasive, Dyeless OCT Angiography*. New Delhi, India: Jaypee Brothers Medical Publishers Ltd.; 2015.

BOOK CHAPTERS

1. Izatt JA, Hee MR, **Huang D**, Fujimoto JG, Swanson EA, Lin CP, Schuman JS, Puliافito CA. Optical coherence tomography for medical diagnostics. In: Muller G, et al, eds. *Medical Optical Tomography: Functional Imaging and Monitoring*. Bellington, Washington: Society of Photo-Optical Instrumentation Engineers; 1993:451-472.
2. **Huang D**. Physics of customized cornea ablation. In: MacRae S, Krueger RR, Applegate RA, eds. *Customized Corneal Ablation: the Quest for SuperVision*. Thorofare, NJ: SLACK, Inc.; 2001.
3. Chalita MR, **Huang D**, Li Y, Radhakrishman S. Tomografia de coerencia optica de cornea e segmento anterior. In: Alves MR, Chamon W, Nose W, eds. *Cirurgia Refractiva*. Rio de Janeiro, Brazil: Cultura Medica; 2003.
4. Chalita MR, **Huang D**, Li Y, Radhakrishman S. Aspectos basicos da tomografia de coerencia optica de cornea e segmento anterior (CAS OCT). In: Alves MR, Chamon W, Nose W, eds. *Cirurgia Refractiva*. Rio de Janeiro, Brazil: Cultura Medica; 2003.
5. **Huang D**. Physics of customized cornea ablation. In: Krueger RR, Applegate RA, MacRae SM, eds. *Wavefront Customized Visual Corrections: the Quest for SuperVision II*. Thorofare, NJ. SLACK, Inc.; 2004:171-180.
6. **Huang D**, Li Y, Radhakrishnan S, Chalita MR. Corneal and anterior segment optical coherence tomography. In: Schuman JS, Puliافito CA, Fujimoto JG, eds. *Optical Coherence Tomography of Ocular Diseases*. 2nd Edition. Thorofare, NJ: SLACK, Inc.; 2004.
7. Fujimoto JG, Hee MR, **Huang D**, Schuman JS, Puliافito CA, Swanson E. Optical coherence tomography: its history, how it works, and what its images show. In: Schuman JS, Puliافito CA, Fujimoto JG, eds. *Everyday OCT: A Handbook for Clinicians and Technician*. Thorofare, NJ: SLACK, Inc.; 2006.
8. **Huang D**, Izatt JA. Physics and fundamentals of anterior segment optical coherence tomography. In: Steinert RF, Huang D, eds. *Anterior Segment Optical Coherence Tomography*. Thorofare, NJ: SLACK; 2008:1-10.
9. Li Y, **Huang D**. Keratoconus screening. In: Steinert RF, Huang D, eds. *Anterior Segment Optical Coherence Tomography*. Thorofare, NJ: SLACK; 2008:13-19.
10. Song JC, **Huang D**. Corneal opacities. In: Steinert RF, **Huang D**. Eds. *Anterior Segment Optical Coherence Tomography*. Thorofare, NJ: SLACK; 2008:53-60.
11. Tang M, **Huang D**. Intacs intracorneal ring segments. In: Steinert RF, **Huang D**, eds. *Anterior Segment Optical Coherence Tomography*. Thorofare, NJ: SLACK; 2008:67-74.
12. Radhakrishnan S., Y. Li, **Huang D**. Quantitative measurement of the anterior chamber angle with optical coherence tomography. In: Steinert RF, **Huang D**, eds. *Anterior Segment Optical Coherence Tomography*. Thorofare, NJ: SLACK; 2008:97-103.

13. **Huang D**, Izatt, JA, Yasuno Y, de Boer JF. Future direction of anterior segment optical coherence tomography. In: Steinert RF, **Huang D**. eds. *Anterior Segment Optical Coherence Tomography*. Thorofare, NJ: SLACK; 2008:145-152.
14. **Huang D**, Li Y, Tang M. Introduction to Corneal and Anterior Segment Imaging with the RTVue Fourier-Domain Optical Coherence Tomography System. In: Huang D. ed. *RTVue Fourier-Domain Optical Coherence Tomography Primer Series: Cornea & Anterior Segment*. Fremont, CA: Optovue Inc.; 2009.
15. Li Y, **Huang D**. Keratoconus Screening. In: Huang D. ed. *RTVue Fourier-Domain Optical Coherence Tomography Primer Series: Cornea & Anterior Segment*. Fremont, CA: Optovue Inc.; 2009.
16. Trokel SL, Binder PS, Salaroli CHR, Li Y, **Huang D**. Refractive surgery applications. In: Huang D. ed. *RTVue Fourier-Domain Optical Coherence Tomography Primer Series: Cornea & Anterior Segment*. Fremont, CA: Optovue Inc.; 2009.
17. Binder PS, Tang M, **Huang D**. Corneal implants. In: Huang D. ed. *RTVue Fourier-Domain Optical Coherence Tomography Primer Series: Cornea & Anterior Segment*. Fremont, CA: Optovue Inc.; 2009.
18. Binder PS, Trokel S, Salaroli CHR, Li Y, Liu S, **Huang D**. Corneal pathologies and surgeries. In: Huang D. ed. *RTVue Fourier-Domain Optical Coherence Tomography Primer Series: Cornea & Anterior Segment*. Fremont, CA: Optovue Inc.; 2009.
19. **Huang D**, Tan O. Future Introduction to RTVue for Glaucoma Diagnosis. In: Weinreb RN, Varma R. eds. *RTVue Fourier-Domain Optical Coherence Tomography Primer Series: Glaucoma*. Fremont, CA: Optovue Inc.; 2009.
20. Fujimoto JG, **Huang D**. Fourier-domain optical coherence tomography. In: **Huang D**, Duker JS, Fujimoto JG, Lumbroso B, Schuman JS, Weinreb R, eds. *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Thorofare, NJ: SLACK Inc.; 2010.
21. Li Y, **Huang D**. Anterior segment scan patterns. In: **Huang D**, Duker JS, Fujimoto JG, Lumbroso B, Schuman JS, Weinreb R, eds. *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Thorofare, NJ: SLACK Inc.; 2010.
22. Tang M, **Huang D**. Anterior segment scan procedures. In: **Huang D**, Duker JS, Fujimoto JG, Lumbroso B, Schuman JS, Weinreb R, eds. *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Thorofare, NJ: SLACK Inc.; 2010.
23. **Huang D**, Li Y, Tang M. Interpretation of corneal images. In: **Huang D**, Duker JS, Fujimoto JG, Lumbroso B, Schuman JS, Weinreb R, eds. *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Thorofare, NJ: SLACK Inc.; 2010.
24. Tan O, **Huang D**. Posterior segment scan patterns. In: **Huang D**, Duker JS, Fujimoto JG, Lumbroso B, Schuman JS, Weinreb R, eds. *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Thorofare, NJ: SLACK Inc.; 2010.
25. Wang Y, **Huang D**. Imaging of retinal blood flow. In: **Huang D**, Duker JS, Fujimoto JG, Lumbroso B, Schuman JS, Weinreb R, eds. *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Thorofare, NJ: SLACK Inc.; 2010.
26. Li Y, Tang M, **Huang D**. Keratoconus screening. In: **Huang D**, Duker JS, Fujimoto JG, Lumbroso B, Schuman JS, Weinreb R, eds. *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Thorofare, NJ: SLACK Inc.; 2010.

27. Salaroli C, Li Y, **Huang D**. Refractive surgery. In: **Huang D**, Duker JS, Fujimoto JG, Lumbroso B, Schuman JS, Weinreb R, eds. *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Thorofare, NJ: SLACK Inc.; 2010.
28. Heur M, Tang M, Trokel SL, **Huang D**. Corneal pathologies and surgeries. In: **Huang D**, Duker JS, Fujimoto JG, Lumbroso B, Schuman JS, Weinreb R, eds. *Imaging the Eye from Front to Back with the RTVue Optical Coherence Tomography*. Thorofare, NJ: SLACK Inc.; 2010.
29. Qin B, Li Y, **Huang D**. Anterior segment optical coherence tomography. In: Schuman JS, Puliafito CA, Fujimoto JG, eds. *Optical Coherence Tomography of Ocular Diseases*, 2nd Edition. Thorofare, NJ: SLACK, Inc.; 2011.
30. Jia Y, **Huang D**, Fujimoto JG, Hornegger J, Kraus MF. *En face* angiography of the retinal, choroidal, and optic nerve head circulation with ultrahigh-speed OCT. In Lumbroso, B., Huang, D., Rispoli, M., Romano, A. and Coscas, G. eds. *Eye disease "En face" OCT Atlas*. New Delhi; Jaypee Brothers Medical Publishers; 2012.
31. **Huang D**, Li Y, Tang M. Anterior segment imaging with the Optical Coherence Tomography. In Wolfgang D, Fujimoto JG, eds. *Optical Coherence Tomography: Technology and Applications*. 2nd ed. New York, NY: Springer; 2013.
32. **Tan O, Jia Y, Wei E, Huang D**. Clinical applications of Doppler OCT and OCT angiography. In Wolfgang D, Fujimoto JG, eds. *Optical Coherence Tomography: Technology and Applications*. 2nd ed. New York, NY: Springer; 2013.
33. Fujimoto JG, Schuman JS, **Huang D**, Duker JS, Puliafito CA, Swanson E. Introduction to optical coherence tomography. In: Schuman JS, Puliafito CA, Fujimoto JG, Duker JS, eds. *Optical Coherence Tomography of Ocular Diseases*, 3rd Edition. Thorofare, NJ: SLACK, Inc.; 2013.
34. Qin B, Li Y, **Huang D**. Anterior segment optical coherence tomography. In: Schuman JS, Puliafito CA, Fujimoto JG, Duker JS, eds. *Optical Coherence Tomography of Ocular Diseases*, 3rd Edition. Thorofare, NJ: SLACK, Inc.; 2013.
35. Baumann B, Fujimoto JG, **Huang D**, Duker JS, Swanson E, Puliafito CA, Schuman JS. Physical principles of optical coherence tomography. In: Schuman JS, Puliafito CA, Fujimoto JG, Duker JS, eds. *Optical Coherence Tomography of Ocular Diseases*, 3rd Edition. Thorofare, NJ: SLACK, Inc.; 2013.
36. Jia Y, Huang D. Non-invasive ocular angiography by optical coherence tomography. In: Michelson G, eds. *Tele-Ophthalmology in Preventive Medicine*. Springer, 2013.
37. Huang D, Jia Y. Split-spectrum amplitude-decorrelation angiography. In: Lumbroso B, Huang D, Jia Y, Fujimoto JG, Rispoli M, eds. *Clinical Guide to Angio-OCT: Non Invasive, Dyeless OCT Angiography*. New Delhi, India: Jaypee Brothers Medical Publishers Ltd.; 2015.

NON PEER-REVIEWED ARTICLES

1. Izatt JA, Hee MR, **Huang D**, Swanson EA, Lin CP, Schuman JS, Puliafito CA, Fujimoto JG. Micron-resolution biomedical imaging with optical coherence tomography. *Optics and Photonics News*. 1993;4(10):14-19.

2. **Huang D**, Seffo F, Eshbaugh CG. Visualization of epithelium and LASIK flap with optical coherence tomography. *LASIK: Customized Ablation & Quality of Vision* (CD-ROM), Boston, MA. Ophthalmology Interactive; 2000.
3. Rollins AM, Sivak MV, Radharkishnan S, Lass JH, **Huang D**, Cooper KD, Izatt JA. Emerging clinical applications of optical coherence tomography. *Optics & Photonics News*. 2002;13(4):36-41.
4. **Huang D**. Optical coherence tomography: an emerging technology. *Ophthalmology Times*. May 15, 2002:35-36.
5. Hall GS, **Huang D**, Sholtis M, Procop GW. Microbiology No. MB-3 2003 *TechSample American Society for Clinical Pathology*. February 2003.
6. **Huang D**. Lasik for myopia and astigmatism: safety and efficacy. *EyeWiki*. June 23, 2010.
7. **Huang D**. Intraocular lens power calculation after corneal refractive surgery. *EyeWiki*. July 4, 2010.

ABSTRACTS

1. **Huang D**, Chang T, Aggarwal A, Lee RC. Remodeling of ligament-like collagen matrices by human fibroblasts. 29th Annual Meeting of the American Society of Cell Biology, San Francisco, CA. February 1989.
2. **Huang D**, Lin CL, Wang J, Fujimoto JG, Puliafito CA. High resolution measurement of corneal and anterior eye structure using optical coherence domain reflectometry. Association for Research in Vision and Ophthalmology Annual Meeting. Sarasota, FL. April 1990. *Invest Ophthalmol Vis Sci*, Supplement 1990;31:244.
3. **Huang D**, Wang J, Fujimoto JG, Lin CP, Puliafito CA. Measurement of intraocular structure by optical coherence domain reflectometry. Technical Digest of the Conference on Lasers and Electro-Optics. CLEO '90. Anaheim, CA. May 1990. Paper CFK 1:522.
4. **Huang D**, Stinson WG, Schuman JS, Lin CP, Puliafito CA, Fujimoto JG. High resolution measurement of retinal thickness using optical coherence domain reflectometry. Association for Research in Vision and Ophthalmology Annual Meeting. Sarasota, FL. April 1991. *Invest Ophthalmol Vis Sci*, Supplement 1991;32:1019.
5. Swanson EA, **Huang D**, Fujimoto JG, Lin CP, Puliafito CA. A fiber-optic reflectometer for high resolution ranging of intraocular structures. *Technical Digest of the Conference on Lasers and Electro-Optics*. CLEO '91. Baltimore, MD. May 1991. Paper CTuS2:150.
6. Gabetta G, **Huang D**, Jacobson J, Ramaswamy M, Haus HA, Ippen EP, Fujimoto JG. Femtosecond pulse generation in Ti:Al₂O₃ using nonlinear intracavity elements. *Technical Digest of the Conference on Lasers and Electro-Optics*, CLEO '91. Baltimore, MD. May 1991. Post-deadline paper CPDP8-1:585.
7. Hee MR, Swanson EA, **Huang D**, Izatt JA, Lin CP, Schuman JS, Puliafito CA, Fujimoto JG. Optical Coherence Tomography. Association for Research in Vision and Ophthalmology Annual Meeting. Sarasota, FL. April 1992. *Invest Ophthalmol Vis Sci*, Supplement 1992;33:722.
8. Izatt JA, Swanson EA, Hee MR, **Huang D**, Schuman JS, Lin CP, Fujimoto JG. Quantitative assessment of cataract development with optical coherence domain reflectometry and optical coherence tomography. *Invest Ophthalmol Vis Sci*. Supplement 1992;33:1300.

9. Swanson EA, Hee MR, **Huang D**, Izatt JA, Fujimoto JG, Lin CP, Schuman JS, Puliafito CA, Optical coherence tomography. *Technical Digest of the Conference on Lasers and Electro-Optics*. CLEO '92. Anaheim, CA. May 1992.
10. Izatt JA, Swanson EA, Hee MR, **Huang D**, Lin CP, Schuman JS, Puliafito CA, Fujimoto JG. In vivo imaging of the human retina with optical coherence tomography. Association for Research in Vision and Ophthalmology Annual Meeting. Sarasota, FL. April 1993.
11. **Huang D**, Swanson EA, Hee MR, Izatt JA, Fujimoto JG, Lin CP, Schuman JS, Puliafito CA. Optical coherence domain reflectometry and optical coherence tomography. The International Quantum Electronics Conference. Vienna, Austria. June 1992.
12. Hee MR, Izatt JA, Swanson EA, **Huang D**, Lin CP, Schuman JS, Puliafito CA, Fujimoto JG. Micron-resolution imaging of the anterior segment with optical coherence tomography. Association for Research in Vision and Ophthalmology Annual Meeting. Sarasota, FL. April 1993. *Invest Ophthalmol Vis Sci*. Supplement 1993;34:942.
13. Swanson EA, Izatt JA, Hee MR, **Huang D**, Fujimoto JG. *In vivo* measurements of human retinal structures with optical coherence tomography. *Technical Digest of the Conference on Lasers and Electro-Optics*. CLEO '93. Baltimore, MD. May 1993. Paper CTuG4.
14. Hee MR, Izatt JA, Swanson EA, **Huang D**, Lin CP, Schuman JS, Puliafito CA, Fujimoto JG. In vivo optical coherence tomography of the anterior segment. Association for Research in Vision and Ophthalmology Annual Meeting. Sarasota, FL. April 1994. *Invest Ophthalmol Vis Sci*. Supplement 1994;35:2078.
15. Izatt JA, Hee MR, Swanson EA, **Huang D**, Lin CP, Schuman JS, Puliafito CA, Fujimoto JG. High speed in vivo retinal imaging with optical coherence tomography. Association for Research in Vision and Ophthalmology Annual Meeting. Sarasota, FL. April 1994. *Invest Ophthalmol Vis Sci*. Supplement 1992;33:1729.
16. Hee MR, Izatt JA, Swanson EA, **Huang D**, Lin CP, Schuman JS, Puliafito CA, Fujimoto JG. Micron-resolution optical coherence tomography of the human eye. The Advances in Optical Imaging and Photon Migration Topical Meeting. Orlando, FL. March 1994.
17. **Huang D**, Hee MR, Swanson EA, Fujimoto JG, Schuman JS, Puliafito CA. Blood reflectivity in optical coherence tomography. Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 1995. *Invest Ophthalmol Vis Sci*. Supplement 1995;36:S240.
18. Nguyen R, **Huang D**, Hee MR, Pedut-Kloizman T, Wilkins JR, Coker JG, Puliafito CA, Fujimoto JG, Schuman JS. Retinal nerve fiber layer distribution as measured by optical coherence tomography. Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL. April 1996. *Invest Ophthalmol Vis Sci*. Supplement 1996;37:S1096.
19. **Huang D**, Hee MR, Pedut-Kloizman T, Wilkins JR, Coker JG, Puliafito CA, Fujimoto JG, Schuman JS. A new algorithm for retinal nerve fiber layer thickness measurement by optical coherence tomography. Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL. April 1996. *Invest Ophthalmol Vis Sci*. Supplement 1996;37:S1096.
20. Carr JD, Stulting RD, **Huang D**, Thompson KP, Waring GO III. Comparison of refractive outcome of laser in-situ keratomileusis using Summit and Nidek Excimer lasers. Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 1998. *Invest Ophthalmol Vis Sci*. Supplement 1998;39:S747.

21. **Huang D**, Carr JD, Stulting RD, Thompson KP, Waring GO III. Coupling of spherical and cylindrical corrections in myopic LASIK with Nidek EC-5000. Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 1998. *Invest Ophthalmol Vis Sci*. Supplement 1998;39:S747.
22. Waring GO III, Carr JD, Stulting RD, Thompson KP, **Huang D**. LASIK for the correction of myopia and astigmatism using a Nidek EC-5000 Excimer laser. Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 1998. *Invest Ophthalmol Vis Sci*. Supplement 1998;39:S244.
23. **Huang D**, Stulting RD, J Carr. LASIK results in myopia and astigmatism. International Society of Refractive Surgery Annual Meeting. New Orleans, LA. November 1998.
24. Stulting RD, Carr JD, **Huang D**, Thompson KP, Waring GO III. Vector analysis of Toric ablations for compound myopic astigmatism using a Nidek EC-5000 Excimer laser. Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 1998. *Invest Ophthalmol Vis Sci*. Supplement 1998;39:S244.
25. **Huang D**. Multiple regression and vector analysis of toric LASIK. International Society of Refractive Surgery Annual Meeting. New Orleans, LA. November 1998.
26. Lancione RR, **Huang D**, Rymers A. Measurement of corneal flap thickness in laser in situ keratomileusis using the Hansatome microkeratome. Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 1998. *Invest Ophthalmol Vis Sci*. Supplement 1999;40:S897.
27. **Huang D**, Stulting RD, Carr JD, Thompson KP, Waring GO III. Statistical analysis of astigmatism data in refractive surgery. Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 1999. *Invest Ophthalmol Vis Sci*. Supplement 1999;40:S890.
28. Waring GO III, Carr JD, Stulting RD, Wiley WM, **Huang D**. LASIK for myopia and astigmatism in 2100 consecutive eyes using a Nidek EC-5000 Excimer laser. Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 1999. *Invest Ophthalmol Vis Sci*. Supplement 1999;40:S588.
29. **Huang D**. Flap-induced astigmatism in LASIK. Ophthalmology and Visual Sciences in the 21st Century Symposium. Cleveland Clinic Foundation. Cleveland, OH. September, 1999.
30. **Huang D**. Looking at LASIK with optical coherence tomography. Ophthalmology and Visual Sciences in the 21st Century Symposium. Cleveland Clinic Foundation. Cleveland, OH. September 1999.
31. Eshbaugh CG, Sur S, Seffo F, **Huang D**. Iatrogenic corneal ectasia following LASIK evaluated by optical coherence tomography. International Society of Refractive Surgery World Refractive Surgery Symposium. Orlando, FL. October 1999.
32. **Huang D**, Sur S, Meisler DM, Krueger RR. Astigmatic changes associated with lamellar keratotomy in LASIK. International Society of Refractive Surgery World Refractive Surgery Symposium. Orlando, FL. October 1999.
33. **Huang D**, Seffo F, Eshbaugh CG. Visualization of epithelium and LASIK flap with optical coherence tomography. International Society of Refractive Surgery World Refractive Surgery Symposium. Orlando, FL. October 1999.
34. Rueda L, Pineda AA, **Huang D**, Seffo F, Nur F. LASIK for mixed and simple myopic astigmatism using cross-cylinder with the NIDEK EC-5000. International Society of Refractive Surgery World Refractive Surgery Symposium. Orlando, FL. October 1999.

35. **Huang D.** Flap-induced astigmatism in LASIK. American Academy of Ophthalmology Meeting. Orlando, FL. October 1999.
36. **Huang D,** Seffo F, Meisler DM, Krueger RR. LASIK with Autonomous LADARVision System. Cleveland Ophthalmological Society Meeting. Cleveland, OH. April 2000.
37. **Huang D,** Seffo F, Eshbaugh CG. LASIK anatomy by optical coherence tomography. Association for Research in Vision and Ophthalmology Annual Meeting. Ft Lauderdale, FL. May 2000. *Invest Ophthalmol Vis Sci.* Supplement 2000;41:S689.
38. Rueda L, Pineda AA, **Huang D,** Seffo F, Nur F. LASIK for mixed and simple myopic astigmatism using cross-cylinder. Association for Research in Vision and Ophthalmology meeting. Ft Lauderdale, FL. May 2000. *Invest Ophthalmol Vis Sci.* Supplement 2000;41:S690.
39. Pineda AA, Rueda L, **Huang D,** Nur F. LASIK for hyperopia and hyperopic astigmatism. Association for Research in Vision and Ophthalmology Annual Meeting. Ft Lauderdale, FL. May 2000. *Invest Ophthalmol Vis Sci.* Supplement 2000;41:S691.
40. Eshbaugh CG, **Huang D,** Seffo F, SH Sur. Iatrogenic keratoectasia after LASIK evaluated by optical coherence tomography. American Society of Cataract and Refractive Surgery Annual Meeting. Boston, MA. May 2000.
41. Jeng B, **Huang D.** Anterior chamber stability during bimanual I/A: theoretical and experimental analysis. American Society of Cataract and Refractive Surgery Annual Meeting. Boston, MA. May 2000.
42. **Huang D,** Seffo F, Eshbaugh CG. LASIK anatomy by optical coherence tomography. American Society of Cataract and Refractive Surgery Annual Meeting. Boston, MA. May 2000.
43. **Huang D.** Flap Issues in LASIK. Cleveland Ophthalmological Society Meeting. Cleveland, OH. October 2000.
44. **Huang D,** Arif M. Spot size and quality of scanning laser correction of optical aberrations: a theoretical study. International Society of Refractive Surgery World Refractive Surgery Symposium. Dallas, TX. October 2000.
45. Garcia ML, **Huang D,** Traboulsi EI. Relationship between the axis and amount of high astigmatism and degree of palpebral fissure slanting. American Academy of Ophthalmology Annual Meeting. Dallas, TX. October 2000.
46. **Huang D,** Seffo F, Krueger RR. Improving LASIK nomogram by combining refractive, keratometric, and other preoperative data. American Academy of Ophthalmology Annual Meeting. Dallas, TX. October 2000.
47. **Huang D,** Arif M, Shekhar R. Telecentric optical coherence tomography of corneal anatomy after laser in-situ keratomileusis. SPIE International Biomedical Optics Symposium. San Jose, CA. January 2001.
48. Tam R, Iacobucci M, **Huang D.** Effect of reverse pass suction on the incidence of corneal epithelial defects in LASIK patients. Association for Research in Vision and Ophthalmology Annual Meeting. Ft Lauderdale, FL. May 2001. *Invest Ophthalmol Vis Sci.* Supplement 2001;42:S494.
49. **Huang D,** Arif M. Spot size and quality of scanning laser correction of optical aberration. Association for Research in Vision and Ophthalmology meeting, Ft Lauderdale, FL, May 2001. *Invest Ophthalmol Vis Sci.* Supplement 2001;42:S725.

50. **Huang D**, Tang M. Corneal topographic convexity mapping for keratoconus screening. Association for Research in Vision and Ophthalmology Meeting. Ft Lauderdale, FL. May 2002. *Invest Ophthalmol Vis Sci*. Supplement 2002;43:U27.
51. Li Y, Shekhar R, **Huang D**. Corneal anatomic changes after LASIK measured by Arc-Scanning optical coherence tomography and ultrasonic pachymeter. Association for Research in Vision and Ophthalmology Annual Meeting. Ft Lauderdale, FL. May 2002, *Invest Ophthalmol Vis Sci*. Supplement 2002;43:U27.
52. Radhakrishnan S, Li Y, **Huang D**, Westphal V, Shekhar R, Rollins AM, Izatt JA. Optical coherence tomography imaging of LASIK flaps using 08 micron and 13 micron wavelengths of light: A comparison study. Association for Research in Vision and Ophthalmology Annual Meeting. Ft Lauderdale, FL. May 2002. *Invest Ophthalmol Vis Sci*. Supplement 2002;43:U28.
53. Goldsmith JA, Radhakrishnan S, Westphal V, **Huang D**, Dueker DK, Rollins AM, Izatt JA, Smith SD. Comparison of optical coherence tomography and ultrasound biomicroscopy in identifying anatomically narrow angles. Association for Research in Vision and Ophthalmology Annual Meeting. Ft Lauderdale, FL. May 2002. *Invest Ophthalmol Vis Sci*. Supplement 2002;43:U55.
54. **Huang D**. Longitudinal follow-up of corneal anatomic changes after LASIK using arc-scanning optical coherence tomography. American Society of Cataract and Refractive Surgeons. Philadelphia, PA. June 2002.
55. Goldsmith JA, Li Y, Chalita MR, Westphal V, Patil C, Rollins AM, Acol E, **Huang D**. Anterior chamber width measurement by optical coherence tomography. American Academy of Ophthalmology Annual Meeting. Orlando, FL. October 2002.
56. Tan O, Li Y, **Huang D**. Measurement of ganglion cell layer and inner plexiform layer thickness with optical coherence tomography. Association for Research in Vision and Ophthalmology Annual Meeting. Ft Lauderdale, FL. May 2003. *Invest Ophthalmol Vis Sci*. Supplement 2003;44:U675.
57. Li Y, Chalita MR, Goldsmith JA, Westphal V, Bower BA, Shekhar R, Rollins AM, Izatt JA, **Huang D**. Automated anterior chamber biometry with high-speed optical coherence tomography. Association for Research in Vision and Ophthalmology Annual Meeting. Ft Lauderdale, FL. May 2003. *Invest Ophthalmol Vis Sci*. Supplement 2003;44:U285.
58. Goldsmith JA, Li Y, Chalita MR, Westphal V, Patel C, Rollins AM, Izatt JA, **Huang D**. Anterior chamber width measurement by optical coherence tomography. Association for Research in Vision and Ophthalmology Annual Meeting. Ft Lauderdale, FL. May 2003. *Invest Ophthalmol Vis Sci*. Supplement 2003;44:U285. PMID: PMC1784115.
59. **Huang D**, Chalita MR, Li Y, Lowder CY, Meisler DM, Rollins AM, Izatt JA. High-speed optical coherence tomography of anterior segment surgical anatomy and pathology. Association for Research in Vision and Ophthalmology Annual Meeting. Ft Lauderdale, FL. May 2003. *Invest Ophthalmol Vis Sci*. Supplement 2003;44:U141.
60. **Huang D**, Tan O, Li Y, Ishikawa H, Schuman JS. Retinal ganglion cell layer and inner plexiform layer thickness measurement with optical coherence tomography. International Society for Imaging in the Eye Inaugural Meeting. Ft Lauderdale. May 2003.
61. **Huang D**, Li Y. Profiling LASIK flap thickness with high-speed optical coherence tomography. 2nd Annual International Society for Imaging in the Eye. Ft Lauderdale, FL. April 23-24, 2004.

62. Tan O, **Huang D**. Grid scanning for thickness mapping of inner retinal layers with optical coherence tomography. 2nd Annual International Society for Imaging in the Eye. Ft Lauderdale, FL. April 23-24, 2004.
63. Li Y, Shekhar R, Thakrar V, Meisler DM, **Huang D**. Pachymetric map of keratoconus eyes with high-speed optical coherence tomography. Association for Research in Vision and Ophthalmology. Ft Lauderdale, FL. May 2004. *Invest Ophthalmol Vis Sci*. Supplement 2004;45:U132.
64. **Huang D**, Li Y. Reproducibility of pachymetric mapping with high-speed optical coherence tomography. Association for Research in Vision and Ophthalmology. Ft Lauderdale, FL. May 2004. *Invest Ophthalmol Vis Sci*. Supplement 2004;45:U132.
65. Bhatnagar P, Chalita MR, Meisler DM, Li Y, Netto MV, **Huang D**. High-speed optical coherence tomography of corneal pathologies. Association for Research in Vision and Ophthalmology. Ft Lauderdale, FL. May 2004. *Invest Ophthalmol Vis Sci*. Supplement 2004;45:U132.
66. Traboulsi EI, Crowe S, **Huang D**. Short-term complications of cataract extraction with or without intraocular lens implantation in the first two years of life. Association for Research in Vision and Ophthalmology. Ft Lauderdale, FL. May 2004. *Invest Ophthalmol Vis Sci*. Supplement 2004;45:U165.
67. Gupta PC, Chalita MR, Li Y, Netto MV, **Huang D**. Measurement of anterior segment anatomy during accommodation with high-speed optical coherence tomography. Association for Research in Vision and Ophthalmology. Ft Lauderdale, FL. May 2004. *Invest Ophthalmol Vis Sci*. Supplement 2004;45:U414.
68. Lowder CY, Li Y, Perez VL, **Huang D**. Anterior chamber cell grading with high-speed optical coherence tomography. Association for Research in Vision and Ophthalmology. Ft Lauderdale, FL. May 2004. *Invest Ophthalmol Vis Sci*. Supplement 2004;45:U118.
69. Radhakrishnan S, Netto MV, Li Y, Chalita MR, **Huang D**. Biometry of the anterior chamber with high-speed optical coherence tomography. Association of Research in Vision and Ophthalmology. Ft Lauderdale, FL. May 2004. *Invest Ophthalmol Vis Sci*. Supplement 2004;45:U927.
70. Tan O, Schuman JS, **Huang D**. Measurement of retinal ganglion cell layer and inner plexiform layer thickness with optical coherence tomography. Association for Research in Vision and Ophthalmology. Ft Lauderdale, FL. April 2004. *Invest Ophthalmol Vis Sci*. Supplement 2004;45:U928.
71. Tang M, Shekhar R, **Huang D**. Corneal epithelial healing and surgically-induced aberrations after excimer laser correction. Association for Research in Vision and Ophthalmology. Ft Lauderdale, FL. May 2004. *Invest Ophthalmol Vis Sci*. Supplement 2004;45:U16.
72. **Huang D**. Pachymetric mapping with high-speed optical coherence tomography. American Society of Cataract and Refractive Surgery. San Diego, CA. May 2004.
73. Chalita MR, Li Y, Netto MV, **Huang D**. Anterior segment optical coherence tomography analysis during accommodation in a human eye. American Society of Cataract and Refractive Surgery. San Diego, CA. May 2004.
74. Netto MV, Li Y, Chalita MR, Radhakrishnan S, **Huang D**. Corneal and anterior segment optical coherence tomography for anterior chamber biometry. American Society of Cataract and Refractive Surgery. San Diego, CA. May 2004.

75. **Huang D**, RC Lin, Li Y, Tang M. Screening for previous LASIK in eye bank corneas using optical coherence tomography. World Cornea Congress V. Washington DC. April 2005.
76. Tang M, **Huang D**. Characteristics of keratoconus on mean curvature maps [ARVO abstract 4950]. *Invest Ophthalmol Vis Sci*. 2005;46(suppl).
77. **Huang D**, Li Y. Mapping LASIK flap thickness with high-speed optical coherence tomography [ARVO abstract 1077]. *Invest Ophthalmol Vis Sci*. 2005;46(suppl).
78. Li Y, Chalita MR, **Huang D**. Measurement of lens curvature change during accommodation with high-speed optical coherence tomography [ARVO abstract 2554]. *Invest Ophthalmol Vis Sci*. 2005;46(suppl).
79. Tan O, Sadda SR, Walsh A, Schuman JS, Ishikawa H, Wollstein G, **Huang D**. Automated grading of diabetic macular edema by grid scanning optical coherence tomography [ARVO abstract 1553]. *Invest Ophthalmol Vis Sci*. 2005;46(suppl).
80. Avila M, Li Y, Song JC, **Huang D**. High-speed optical coherence tomography for post-lasik management [ARVO abstract 522]. *Invest Ophthalmol Vis Sci*. 2006;47(suppl).
81. Li Y, Tan O, Varma R, **Huang D**, Advanced Imaging for Glaucoma Study Group. Mapping of macular substructures with optical coherence tomography for glaucoma diagnosis [ARVO abstract 3362]. *Invest Ophthalmol Vis Sci*. 2006;47(suppl).
82. Lai MM, Tang M, Khurana R, **Huang D**. Assessing intrastromal corneal ring segment depth in patients with keratoconus using optical coherence tomography [ARVO abstract 1359]. *Invest Ophthalmol Vis Sci*. 2006;47(suppl).
83. Tang M, Li Y, Avila M, **Huang D**. Corneal power change after LASIK assessed by high-speed optical coherence tomography [ARVO abstract 583]. *Invest Ophthalmol Vis Sci*. 2006;47(suppl).
84. Tan O, Chopra V, **Huang D**, Varma R, Advanced Imaging for Glaucoma Study Group. Optical coherence tomography grid scanning of macular inner retinal layer thickness for glaucoma diagnosis [ARVO abstract 4346]. *Invest Ophthalmol Vis Sci*. 2006;47(suppl).
85. Fawzi AA, Lim J, JJ Hopkins, Tan O, **Huang D**. High-Speed High-Resolution Optical Coherence Tomography in Age-related Macular Degeneration. American Academy of Ophthalmology Annual Meeting. Las Vegas, NV. November 2006.
86. Chopra V, Tan O, **Huang D**, Advanced Imaging for Glaucoma Study Group. Glaucoma detection using high-speed high-resolution optical coherence tomography. American Academy of Ophthalmology Annual Meeting. Las Vegas, NV. November 2006.
87. Chopra V, Tan O, Francis BA, Varma R, Smith S, Advanced Imaging for Glaucoma Study Group. Does optic nerve head size variation affect peripapillary retinal nerve fiber layer thickness using optical coherence tomography? American Academy of Ophthalmology Annual Meeting. Las Vegas, NV. November 2006.
88. **Huang D**, Song JC. Intraocular lens power calculation based on optical coherence tomography. American Society of Cataract and Refractive Surgery Annual Meeting. San Diego, CA. 2007.
89. Radhakrishnan S, See J, Smith SD, Nolan WP, Ce Z, Friedman DS, **Huang D**, Li Y, Aung T, Chew PTK. Reproducibility of anterior chamber angle measurements obtained with anterior segment optical coherence tomography [ARVO abstract 3683]. *Invest Ophthalmol Vis Sci*. 2007;48(suppl).

90. Lu ATH, Chopra V, Tan O, Schuman JS, **Huang D**, Advanced Imaging for Glaucoma Study Group. Magnification correction in the diagnosis of glaucoma with optical coherence tomography [ARVO abstract 508]. *Invest Ophthalmol Vis Sci.* 2007;48(suppl).
91. Schallhorn JM, Tang M, Li Y, **Huang D**. Analysis of clear corneal incisions for cataract surgery using optical coherence tomography [ARVO abstract 1085]. *Invest Ophthalmol Vis Sci.* 2007;48(suppl).
92. Reiser BJ, Schallhorn JM, Tang M, Li Y, **Huang D**. Measuring the anterior corneal vault using the Visante anterior segment OCT: a novel diagnostic tool for keratoconus tomography [ARVO abstract 1851]. *Invest Ophthalmol Vis Sci.* 2007;48(suppl).
93. Li Y, Tang M, Thakrar V, Meisler DM, **Huang D**. Keratoconus screening with high-speed optical coherence tomography [ARVO abstract 4019]. *Invest Ophthalmol Vis Sci.* 2007;48(suppl).
94. Memarzadeh, F, Tang M, Li Y, Chopra V, Francis BA, **Huang D**. Anterior segment OCT for imaging the change in anterior chamber angle morphology after cataract surgery tomography [ARVO abstract 3855]. *Invest Ophthalmol Vis Sci.* 2007;48(suppl).
95. Tan O, Chopra V, Lu ATH, Ishikawa H, Varma R, Schuman JS, **Huang D**. Glaucoma diagnosis by mapping the macula with high-speed, high-resolution Fourier-domain optical coherence tomography [ARVO abstract 512]. *Invest Ophthalmol Vis Sci.* 2007;48(suppl).
96. Wang Y, Tan O, **Huang D**. In vivo retinal blood flow measurement by Fourier-domain Doppler optical coherence tomography [ARVO abstract 4399]. *Invest Ophthalmol Vis Sci.* 2007;48(suppl).
97. Lim JI, Tan O, Fawzi AA, Hopkins J, Gil-Flamer JH, **Huang D**. Fourier-domain OCT of retinal dystrophy patients compared to normal controls [ARVO abstract 4499]. *Invest Ophthalmol Vis Sci.* 2007;48(suppl).
98. Tang M, Li Y, **Huang D**. An optical coherence tomography-based intraocular lens formula [ARVO abstract 5435]. *Invest Ophthalmol Vis Sci.* 2007;48(suppl).
99. **Huang D**. Corneal topography and power measurement with optical coherence tomography. American Society of Cataract and Refractive Surgery Annual Meeting, Chicago, IL. April 2008.
100. Ho HKV, Li Y, Tang M, Iyer S, May W, **Huang D**. Differential diagnosis of eccentric corneal steepening after hyperopic LASIK by optical coherence tomography [ARVO abstract 2810]. *Invest Ophthalmol Vis Sci.* 2008;49(suppl).
101. Li Y, Tan O, Tang M, **Huang D**. Corneal epithelial thickness mapping with fourier-domain optical coherence tomography [ARVO abstract 2813]. *Invest Ophthalmol Vis Sci.* 2008;49(suppl).
102. Chen-Espinoza V, Nakamura T, Li Y, Trousdale M, Irvine JA, **Huang D**. High-resolution optical coherence tomography of acanthamoeba keratitis [ARVO abstract 2819]. *Invest Ophthalmol Vis Sci.* 2008;49(suppl).
103. **Huang D**, Tang M. Corneal power measurement with optical coherence tomography [ARVO abstract 3267]. *Invest Ophthalmol Vis Sci.* 2008;49(suppl).
104. Ramos JLB, Baikoff G, Li Y, Tang M, **Huang D**. Sensitivity of kereatoconus screening with optical coherence tomography [ARVO abstract 3273]. *Invest Ophthalmol Vis Sci.* 2008;49(suppl).
105. Wang M, Lu ATH, **Huang D**. Combining information from three anatomic regions in the diagnosis of glaucoma with optical coherence tomography [ARVO abstract 3640]. *Invest Ophthalmol Vis Sci.* 2008;49(suppl).

106. Yeh JC, Lu ATH, Varma R, **Huang D**. Comparing the glaucoma diagnostic accuracy of OCT, GD's and HRT II using best composite scores [ARVO abstract 3641]. *Invest Ophthalmol Vis Sci*. 2008;49(suppl).
107. Schallhorn JM, Tang M, Li Y, **Huang D**. Keratoconus, corneal refractive index changes in keratoconus [ARVO abstract 4345]. *Invest Ophthalmol Vis Sci*. 2008;49(suppl).
108. Sinai MJ, Garway-Heath DF, Greenfield DS, Fingerer M, Varma R, Liebmann J, Schuman JS, **Huang D**. The effects of age, optic disc size, and signal strength on Fourier-domain optical coherence tomography measurements of the nerve fiber layer, optic disc, and ganglion cell complex[ARVO abstract 4636]. *Invest Ophthalmol Vis Sci*. 2008;49(suppl).
109. Lu ATH, Nguyen P, **Huang D**. Glaucoma progression criteria for nerve fiber layer measurements by optical coherence tomography [ARVO abstract 4638]. *Invest Ophthalmol Vis Sci*. 2008;49(suppl).
110. Tan O, Lu ATH, Chopra V, Varma R, Ishikawa H, Wollstein G, Schuman JS, **Huang D**. Glaucoma diagnosis by mapping peripapillary nerve fiber layer thickness with Fourier domain optical coherence tomography [ARVO abstract 4655]. *Invest Ophthalmol Vis Sci*. 2008;49(suppl).
111. **Huang D**. Detection of keratoconus pattern on corneal pachymetry maps by fitting of Gaussian waveform. American Society of Cataract & Refractive Surgery Annual Meeting. San Francisco, CA. April 2009.
112. Tan O, Chopra V, Varma R, **Huang D**. Automated disc boundary detection on optical coherence tomography optic nerve head scans [ARVO abstract 365]. *Invest Ophthalmol Vis Sci*. 2009;50(suppl).
113. Salaroli CR, Li Y, Ramos JLB, **Huang D**. Repeatability of LASIK flap measurement with Fourier-domain optical coherence tomography [ARVO abstract 589]. *Invest Ophthalmol Vis Sci*. 2009;50(suppl).
114. Wang Y, Fawzi AA, Aggarwal D, Tan O, Sadun AA, **Huang D**. Doppler optical coherence tomography measurement of retinal blood flow in optic neuropathies and retinal diseases [ARVO abstract 1383]. *Invest Ophthalmol Vis Sci*. 2009;50(suppl).
115. Kishor K, Grewal DS, Sehi M, Quinn CD, Greenfield DS, **Advanced Imaging in Glaucoma Study Group**. Detecting glaucomatous progression using structural and functional measures [ARVO abstract 2241]. *Invest Ophthalmol Vis Sci*. 2009;50(suppl).
116. Grewal DS, Sehi M, Greenfield DS, **Advanced Imaging in Glaucoma Study Group**. Detecting glaucomatous progression using scanning laser polarimetry with variable and enhanced corneal compensation [ARVO abstract 2251]. *Invest Ophthalmol Vis Sci*. 2009;50(suppl).
117. **Huang D**, Tang M, Li Y. Quantification of keratoconic focal thinning on pachymetry maps by fitting of Gaussian waveform [ARVO abstract 3548]. *Invest Ophthalmol Vis Sci*. 2009;50(suppl).
118. Li Y, **Huang D**. Pupil size and iris thickness difference between Asians and Caucasians measured by optical coherence tomography [ARVO abstract 5785]. *Invest Ophthalmol Vis Sci*. 2009;50(suppl)
119. Tang M, Li Y, **Huang D**. Corneal topography and power measurement with optical coherence tomography [ARVO abstract 5791]. *Invest Ophthalmol Vis Sci*. 2009;50(suppl).
120. Lally DR, Wollstein G, Danks D, Ishikawa H, Kagemann L, Schuman JS, **Advanced Imaging in Glaucoma Study Group**. Combining OCT, HRT, and GDx through machine

- learning classifiers for glaucoma detection [ARVO abstract 5817]. *Invest Ophthalmol Vis Sci.* 2009;50(suppl).
121. Zhang X, Tan O, **Huang D**. The effect of signal strength in the measurement of ganglion cell complex and nerve fiber layer in Fourier-domain optical coherence tomography [ARVO abstract 235]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 122. Potsaid BM, Liu JJ, Manjunath V, Tsai TH, Duker JS, **Huang D**, Schuman JS, Fujimoto JG. Ultrahigh speed volumetric ophthalmic OCT imaging of the retina at 800nm and 1050nm wavelengths [ARVO abstract 1017]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 123. Wu W, Tan O, **Huang D**. Assessment of frames averaging algorithms for optical coherence tomography [ARVO abstract 1780]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 124. Wang Y, Tan O, Sadun AA, **Huang D**. Retinal Blood Flow Detection in Optic Neuropathies with Doppler Fourier Domain Optical Coherence Tomography [ARVO abstract 2454]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 125. Tokayer JM, **Huang D**. Algorithms to Enhance the Visualization of Macular Blood Vessels in Doppler Optical Coherence Tomography[ARVO abstract 2455]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 126. Bujak MC, **Huang D**, Sadda SR, Li Y, Nguyen P, Pappuru RR, Yiu S. Serial measurements of tear meniscus by Fourier-domain optical coherence tomography after instillation of artificial tears in patients with dry eyes[ARVO abstract 3374]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 127. Nguyen P, **Huang D**, Sadda SR, Pappuru RR, Ramos S, Li Y, Yiu SC. Correlation between optical coherence tomography tear meniscus parameters and Schirmer's test and tear break-up time[ARVO abstract 3376]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 128. Harris A, Tan O, Siesky BA, Shoshani Y, Pappuru RR, Erlich R, Sadda SR, Rusia D, Moss, A, **Huang D**. Fourier-domain optical coherence tomography blood flow assessment in patients with glaucoma: a new blood flow method [ARVO abstract 4336]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 129. Le PV, Tan O, Varma R, Ragab O, **Huang D**. Correspondence between Fourier-domain optical coherence tomography measurements of macular ganglion cell complex thinning to visual field deficits[ARVO abstract 4890]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 130. Tan O, Pappuru RR, Harris A, Wang Y, Sadda SR, Siesky BA, **Huang D**. Quality control for Doppler optical coherence tomography of retinal blood flow [ARVO abstract 5040]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 131. Qin B, Tang M, Zhang X, **Huang D**. Multi-ethnic survey of anterior eye anatomy using optical coherence tomography [ARVO abstract 5653]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 132. Tang M, Li Y, **Huang D**. Intraocular lens power calculation based on Fourier-domain optical coherence tomography [ARVO abstract 5692]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 133. Samy El Gendy NM, Li Y, **Huang D**, Zhang X. Pachymetric mapping repeatability using Fourier-domain optical coherence tomography in corneal opacities [ARVO abstract 5816]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).
 134. Li Y, Tan O, **Huang D**. Corneal epithelial thickness mapping in normal and keratoconic eyes with Fourier-domain optical coherence tomography [ARVO abstract 5819]. *Invest Ophthalmol Vis Sci.* 2010;51(suppl).

135. **Huang D**, Nguyen P, Bujak MC, Tittler E, Zhang X, Li Y, Yiu S. Measurement of tear meniscus in dry eye patients with Fourier-domain optical coherence tomography. Tear Film & Ocular Surface Conference. Florence, Italy. September 2010.
136. **Huang D**. Beveled astigmatic keratotomy performed with femtosecond laser in post-keratoplasty eyes. 2010 Refractive Surgery Subspecialty Day, American Academy of Ophthalmology Annual Meeting. Chicago, IL. October 2010.
137. Stoeger C, Galloway J, **Huang D**, Tang M, Smythe D, Holiman J. Use of FD-OCT to elucidate anterior stromal pathology in human donor corneas. Annual Meeting of the European Eye Bank Association (EEBA). Freiburg, Germany. January 2011.
138. Tokayer J, **Huang D**. Effect of blood vessel diameter on relative blood flow estimate in Doppler optical coherence tomography algorithms. SPIE Photonics West. San Francisco, CA. January 2011.
139. **Huang D**. Beveled astigmatic keratotomy performed with femtosecond laser in post-keratotomy eyes. American Society of Cataract and Refractive Surgery Annual Meeting. San Diego, CA. March 2011.
140. **Huang D**. Correlation between retinal blood flow, retinal anatomy, and visual field in glaucoma. International Society for Imaging in the Eye Annual Meeting. Ft. Lauderdale, FL. April 2011.
141. Le HG, Tang M, Ridges R, **Huang D**, Jacobs DS. OCT guided design and fitting of an ocular surface prosthetic device [ARVO abstract 6555]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
142. Hwang JC, Konduru R, Tan O, Francis BA, Varma R, Sadda SR, **Huang D**. Assessment of retinal blood flow in glaucoma by Fourier-domain Doppler OCT and correlation with other diagnostic modalities [ARVO abstract 3482]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
143. Aggarwal D, Tan O, **Huang D**, Sadun AA. Pattern of ganglion cells and nerve fiber layer loss in non-arteritic ischemic optic neuropathy determined by Fourier-domain optical coherence tomography [ARVO abstract 3654]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
144. Deng Y, Jang B, Leung D, Luo X, Varma R, **Huang D**, Tan O, M Sinai. Repeatability and accuracy of retinal nerve fiber layer thickness measurement using RTVue Fourier-domain optical coherence tomography [ARVO abstract 190]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
145. Konduru R, Tan O, Nittala M, Sadda SR, **Huang D**. Reproducibility of retinal blood flow measurements derived from semi-automated Doppler OCT analysis [ARVO abstract 1710]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
146. Bababegy S, Konduru R, Tan O, **Huang D**. Effect of mydriasis on Doppler optical coherence tomography-derived retinal blood flow measurements [ARVO abstract 1713]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
147. Cleary C, Song JC, Tang M, Li Y, Liu Y, Yiu S, **Huang D**. Dual laser-assisted lamellar anterior keratoplasty: a laboratory study in eyebank eyes [ARVO abstract 3383]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
148. Qin B, Francis BA, Li Y, Tang M, Zhang X, Jiang C, Cleary C, **Huang D**. Anterior chamber angle measurements using Schwalbe's line with high resolution Fourier-domain optical coherence tomography [ARVO abstract 6278]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).

149. Wang Y, Fawzi AA, Tan O, **Huang D**. Investigation of retinal blood flow changes in response to visual stimulation with Doppler Fourier-domain optical coherence tomography [ARVO abstract 1716]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
150. Potsaid BM, Kraus MF, Baumann B, Huang D, Hornegger J, Schuman JS, Duker JS, Fujimoto JG. Ultrahigh speed and multiscale volumetric 1050nm ophthalmic OCT imaging at 100,000-400,000 axial scans per second [ARVO abstract 1319]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
151. Tan O, Konduru R, Zhang X, Sadda SR, **Huang D**. Dual angle scan protocol for Doppler optical coherence tomography of retinal blood flow [ARVO abstract 1715]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
152. Zhang X, Tan O, **Huang D**. Modeling thickness variation of ganglion cell complex and nerve fiber layer measured using Fourier-domain optical coherence tomography [ARVO abstract 202]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
153. Baumann B, Potsaid B, Kraus MF, Liu JJ, Huang D, Hornegger J, Duker JS, Fujimoto JG. Ultrahigh speed swept source / Fourier domain OCT for retinal blood flow measurement [ARVO abstract 1250]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
154. Li Y, Samy El Gendy NM, **Huang D**. Optical coherence tomography guided transepithelial phototherapeutic keratectomy for anterior corneal opacities [ARVO abstract 3376]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
155. Tokayer J, Tan O, **Huang D**. Spatial frequency filtering algorithms to enhance the visualization of retinal vessels in Doppler optical coherence tomography [ARVO abstract 1710]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
156. Baranano AE, Kalyani PS, Fawzi AA, **Huang D**, Tan O, Konduru R, Sadda SR, Arantes TE, Yu F, Holland GN. Reduced retinal blood flow among individuals infected with human immunodeficiency virus [ARVO abstract 4276]. *Invest Ophthalmol Vis Sci*. 2011;52(suppl).
157. **Huang D**. Corneal mapping and measurements with optical coherence tomography. Association for Research in Vision & Ophthalmology Annual Meeting. Ft. Lauderdale, FL. May 2011.
158. Baumann B, Potsaid BM, Kraus MF, Liu JJ, **Huang D**, Hornegger J, Duker JS, Fujimoto JG. Ultrahigh-speed swept-source/Fourier-domain OCT for Doppler measurements of total retinal blood flow. 2011 European Conferences of Biomedical Optics (ECBO). Munich, Germany. May 2011.
159. Fujimoto JG, Baumann B, Potsaid BM, Kraus MF, Liu JJ, **Huang D**, Hornegger J, Duker JS. Assessing total retinal blood flow using ultrahigh speed swept-source OCT at 1050nm. Joint Congress of SOE and AAO. Geneva, Switzerland. June 2011.
160. Sehi M, Reyes MC, Konduru R, Tan O, **Huang D**, Greenfield DS. Retinal blood flow is reduced in the abnormal visual Hemifield of glaucomatous eyes with single-Hemifield damage. 20th International Visual Field and Imaging Symposium. Melbourne, Australia. January 2012.
161. **Huang D**. OCT-based IOL power calculation for eyes with previous myopic and hyperopic laser vision correction. American Academy of Ophthalmology Annual Meeting. Orlando, FL. October 2011.
162. **Huang D**, Zhang X, Varma R, Greenfield DS, Schuman JS, Advanced Imaging for Glaucoma Study Group. Nerve fiber layer and ganglion cell complex measurements by

- optical coherence tomography as risk factors for visual field progression in glaucoma [ARVO abstract 2260]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
163. Baumann B, Choi, WJ, **Huang D**, Duker JS, Fujimoto JG. Ultrahigh speed swept source optical coherence tomography for polarization sensitive retinal imaging in humans and small animal models [ARVO abstract 3074]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
 164. Nie Y, Zhou Q, Li Y, **Huang D**, Jang B, Soules K. Corneal epithelial thickness measurement using RTVue FD-OCT system [ARVO abstract 102]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
 165. Shah M, Zhang X, Varma R, Greenfield DS, Schuman JS, **Huang D**, Advanced Imaging for Glaucoma Study Group. Baseline nerve fiber layer and ganglion cell complex thickness by optical coherence tomography as risk factors for the development of glaucomatous visual field defects [ARVO abstract 235]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
 166. Lee JC, Wong B, Rakhshan E, Tan O, Sadda SR, **Huang D**, Fawzi AA. Retinal blood flow in proliferative diabetic retinopathy by Fourier-domain optical coherence tomography: measurements before and after panretinal photocoagulation [ARVO abstract 2154]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
 167. Srinivas S, Tan O, Varma R, Nittala MG, **Huang D**, Sadda SR. Effect of quality parameters on validity of Doppler FD-OCT scans [ARVO abstract 2187]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
 168. **Huang D**. Blood flow measurement and angiography in the eye using OCT [ARVO abstract SIG-332]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
 169. Tang M, Wang L, Koch DD, Li Y, **Huang D**. Intraocular lens power calculation after myopic or hyperopic laser vision correction using optical coherence tomography [ARVO abstract 3612]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
 170. Jia Y, Tan O, Tokayer J, Potsaid BM, Wang Y, Liu JJ, Fujimoto JG, **Huang D**. Split-spectrum amplitude-decorrelation angiography with optical coherence tomography [ARVO abstract 5257]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
 171. Tan O, Zhang X, Varma R, **Huang D**. Peripallary nerve fiber layer and retinal pigment epithelium reflectance ratio for glaucoma diagnosis [ARVO abstract 5618]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
 172. Li Y, Tan O, Brass R, Weiss JL, **Huang D**. Keratoconus detection by corneal epithelial thickness mapping with Fourier-domain optical coherence tomography [ARVO abstract 6303]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
 173. Tokayer JM, Tan O, **Huang D**. Flow quantification in small macular vessels via frame averaging with Doppler optical coherence tomography [ARVO abstract 2176]. *Invest Ophthalmol Vis Sci.* 2012;53(suppl).
 174. Rose-Nussbaumer J, Li Y, **Huang D**, Rosenbaum JT. In vitro white blood cell characterization and grading with optical coherence tomography. American Uveitis Society Session at the American Academy of Ophthalmology Meeting. Chicago, IL. November 2012.
 175. **Huang D**, *Forme fruste* keratoconus detection by corneal epithelial thickness mapping with OCT. Refractive Surgery Day at the International Society of Refractive Surgery/American Academy of Ophthalmology Meeting. Chicago, IL. November 2012.

176. **Huang D**, *Forme fruste* keratoconus detection by OCT corneal epithelial thickness mapping. ASCRS Symposium on Cataract, IOL and Refractive Surgery. San Francisco, CA. April 2013.
177. Grulkowski I, Lu JJ, Potsaid BM, Jayaraman V, Cable AE, Kraus M, Hornegger J, Duker JS, Huang D, Fujimoto JG. Three-dimensional biometric measurements of accommodation eyes using full-eye-length swept-source OCT. [ARVO abstract 381]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
178. Sehi M, Goharian I, Konduru R, Tan O, Srinivas S, Sadda SR, **Huang D**, Greenfield DS. Reduced retinal blood flow is associated with thinner retinal nerve fiber layer in glaucomatous eye with single hemifield damage. [ARVO abstract 4457]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
179. Tan O, Zhang X, Loewen N, Schuman JS, Greenfield DS, Varma R, **Huang D**, AIGS Group. The effect of image quality on the reliability of nerve fiber layer measurements with Fourier-domain OCT. [ARVO abstract 4820]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
180. Tang M., Li Y, **Huang D**. Measuring corneal epithelial thickness change after LASIK with optical coherence tomography. [ARVO abstract 536]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
181. Srinivas, S. Muneeswar GN, Lee J, Tan O, Fazwi AA, **Huang D**, Sadda SR. Assessment of retinal blood flow in diabetic retinopathy using Doppler Fourier-domain optical coherence tomography. [ARVO abstract 39]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
182. Shahidi AM, Patel SR, Flanagan JG, Tan O, **Huang D**, Hudson C. Assessment of total retinal blood flow under systemic hypercapnia and hypocapnia. [ARVO abstract 4637]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
183. Li Y, Tan O, Brass R, Weiss JL, **Huang D**. *Forme fruste* keratoconus detection by pattern analysis of corneal, epithelial, and stromal thickness maps with optical coherence tomography. [ARVO abstract 2587]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
184. Bababeygy S., **Huang D**. Effect of mydriasis on Doppler OCT retinal blood flow measurements. [ARVO abstract 35]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
185. Kraus MF, **Huang D**. 3D motion correction and signal improvement in high speed polarization sensitive optical coherence tomography. [ARVO abstract 5518]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
186. Jia Y., Wei E, Morrison JC, Kraus MF, Hornegger J, Fujimoto JG, **Huang D**. OCT angiographic study of optic disc perfusion in glaucoma. [ARVO abstract 38]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
187. Wei E, Jia Y, Tan O, Potsaid B, Liu JJ, Choi WJ, Fujimoto JG, **Huang D**. Parafoveal retinal vascular response to pattern stimulation assessed with OCT angiography. [ARVO abstract 399]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
188. Srinivas S, Nittala MG, Lee J, Tan O, Fazwi AA, **Huang D**, Sadda SR. Assessment of retinal blood flow in diabetic retinopathy using Doppler Fourier-domain optical coherence tomography. [ARVO abstract 39]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).
189. Kraus MF, Dhalla AH, Liu JJ, Moehler K, Lu CD, Potsaid B, Hornegger J, **Huang D**, Fujimoto JG. 3D motion correction and signal improvement in high speed polarization-sensitive optical coherence tomography. [ARVO abstract 5518]. *Invest Ophthalmol Vis Sci.* 2013;(suppl).

190. Stoeger C, Li Y, Tang M, Davis-Boozer D, **Huang D**, Terry M. Measurement of Descemet membrane thickness with Fourier-domain optical coherence tomography and its impact on tissue handling in the anterior chamber. 4th EuCornea Congress. Amsterdam, The Netherlands. October 2013.
191. Zhang C, Bald M, Tang M, **Huang D**. Evaluating smoothness of femtosecond laser lamellar cuts at different depths. 28th Biennial Cornea Conference. Boston, MA. October 2013.
192. Wang L, Waisbren E, Tang M, **Huang D**, Koch DD. OCT for IOL power calculation in eyes with prior radial keratotomy. ASCRS Symposium & Congress. Boston, MA. April 2014.
193. Bailey ST, Jia Y, Fujimoto JG, Hornegger J, **Huang D**. Pilot study of OCT angiography in neovascular age-related macular degeneration. American Academy of Ophthalmology. New Orleans, LA. November 2013.
194. **Huang, D**, Jia Y, Wang X, Morrison JC, Fujimoto JG, Hornegger J. Pilot study of OCT angiography of optic disc perfusion. American Academy of Ophthalmology. New Orleans, LA. November 2013.
195. Wang X, Jia Y, Spain R, Fujimoto JG, Hornegger J, **Huang D**. OCT angiography of optic nerve head perfusion in multiple sclerosis patients. American Academy of Ophthalmology. New Orleans, LA. November 2013.
196. Richter G, Zhang X, Francis BA, Chopra V, Greenfield DS, Varma R, Schuman JS, **Huang D**, the Advanced Imaging for Glaucoma Study Group. Regression analysis of optical coherence tomography disc variables for glaucoma diagnosis. American Academy of Ophthalmology. New Orleans, LA. November 2013.
197. Reiser BJ, Nguyen P, Sand D, **Huang D**. Pediatric anterior segment pathology as imaged by intraoperative OCT. American Academy of Ophthalmology. New Orleans, LA. November 2013.
198. Maharaj ASR, Sehi M, Greenfield DS, Iverson SM, Goharian I, Zhang X, Francis BA, Schuman JS, Varma R, **Huang D**, the Advanced Imaging for Glaucoma Study Group. Progressive retinal nerve fiber layer atrophy is associated with reduced central corneal thickness in glaucoma suspect and glaucomatous eyes. American Glaucoma Society, Washington, DC. February 2014.
199. Spain R, **Huang D**. Optic nerve head blood flow assessment by optical coherence tomography angiography may be more sensitive than retinal nerve fiber layer thickness in detecting multiple sclerosis-related optic nerve dysfunction. American Academy of Neurology 66th Annual Meeting. Philadelphia, PA. May 2014.
200. Liu G, Li Y, Jia Y, **Huang D**. Brownian motion imaging with optical coherence tomography and optical coherence tomography angiography. ARVO/ISIE. 2014.
201. **Huang D**, Jia Y, Bailey ST, Hwang T, Lauer AK, Flaxel CJ, Pennesi ME, Wilson DJ, Hornegger J, Fujimoto JG. Optical coherence tomography angiography of macular disease. ARVO/ISIE. 2014.
202. Tan O, Liu G, Jia Y, **Huang D**. Total retinal blood flow measurement with 70 k HZ spectral domain OCT. ARVO/ISIE. 2014.
203. Lee BK, Choi WJ, Liu JJ, Lu CD, Schuman JS, Wollstein G, **Huang D**, Duker JS, Fujimoto JG. *En Face* Doppler optical coherence tomography measurement of total retinal blood flow at 100,000 axial scans per second using pulse oximetry cardiac gating. [ARVO abstract 5020]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).

204. Bailey ST, Jia Y, Flaxel CJ, Hwang TS, Lauer AK, Wilson DJ, Hornegger J, Fujimoto JG, **Huang D**. Improved visualization of choroidal neovascularization in age-related macular degeneration with optical coherence tomography angiography compared to fluorescein angiography. [ARVO abstract 255]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).
205. Shahidi AM, Hudson C, Patel SR, **Huang D**, Tan OT, Buys YM, Trope GE, Flanagan JG. Assessment of retinal blood flow in patients with glaucoma related altitudinal visual field asymmetry. [ARVO abstract 2938]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).
206. Liu L, Jia Y, Morrison JC, Parikh M, Edmunds B, **Huang D**. Angiography of optic disc perfusion in glaucoma with a 70 kHz spectral OCT. [ARVO abstract 221]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).
207. Tan O, Tehrani S, Orozco BV, Wang X, Jia Y, Kraus MF, Fujimoto JG, **Huang D**. Pilot study of optical coherence tomography measurements of retinal vessel relief height in the detection of glaucoma. [ARVO abstract 951]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).
208. Zhang X, Sehi M, Tan O, Varma R, Greenfield DS, Schuman JS, Loewen NA, Francis BA, **Huang D**. Baseline risk factors for event and trend-based visual field glaucoma progression using Fourier-domain optical coherence tomography in the advance imaging for glaucoma study. [ARVO abstract 978]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).
209. Tang M, Zhang C, Bald M, Li Y, **Huang D**. Laboratory evaluation of feasible depths for femtosecond laser assisted lamellar anterior keratoplasty. [ARVO abstract 3124]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).
210. Reiser BJ, Tang M, **Huang D**. OCT-guided, laser-assisted anterior lamellar keratoplasty (LALAK), a novel technique for lamellar keratoplasty in children with partial thickness corneal opacities. [ARVO abstract 3145]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).
211. Khuu LA, Flanagan JG, Tayyari F, Singer Shaun, Brent M, **Huang D**, Tan O, Hudson C. Retinal blood flow is reduced in patients with non-proliferative diabetic retinopathy. [ARVO abstract 4342]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).
212. Hwang TS, Jia Y, Flaxel CJ, Tan O, Bailey ST, Wilson DJ, Hornegger J, Choi WJ, Fujimoto JG, **Huang D**. Optical coherence tomography angiographic features of non-neovascular age-related macular degeneration. [ARVO abstract 4015]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).
213. Maharaj AS, Sehi M, Greenfield DS, Iverson SM, Goharian I, Zhang X, Francis BA, Schuman JS, Varma R, **Huang D**. Progressive retinal nerve fiber layer atrophy is associated with thin central corneal thickness in glaucoma suspect and glaucomatous eyes. [ARVO abstract 4752]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).
214. Li Y, Rose-Nussbaumer J, Lin P, Suhler EB, **Huang D**, Rosenbaum, JT. Aqueous cell differentiation in anterior uveitis using Fourier-domain optical coherence tomography. [ARVO abstract 4871]. *Invest Ophthalmol Vis Sci*. 2014;(suppl).
215. **Huang D**, Zhang X, Loewen N, Tan O, Francis BA, Varma R, Greenfield DS, Schuman JS, Advanced Imaging for Glaucoma Study Group. Predicting glaucomatous visual field damage with Fourier-Domain optical coherence tomography in the Advanced Imaging for Glaucoma Study. American Academy of Ophthalmology. Chicago IL. October 2014.
216. **Huang D**, Jia Y, Liu L, Edmunds B, Lombardi L, Armour R, Davis E, Morrison JC. Angiography of peripapillary retina in glaucoma with 70 kHz spectral OCT. American Glaucoma Society. Coronado, CA. February 2015.

217. Penessi, M, Jain N, Gao S, Weleber R, Jia Y, **Huang D**. Choriocapillaris imaging with OCT angiography provides insights into choroideremia pathology. The Macula Society 38th Annual Meeting. Scottsdale, AZ. February 2015.
218. Wilson D, Bailey S, Jia Y, **Huang D**. Optical coherence tomography angiography of occult choroidal neovascularization not well visualized by fluorescein angiography. The Macula Society 38th Annual Meeting. Scottsdale, AZ. February 2015.
219. Lauer A, Hwang T, Jia Y, Wilson D, Bailey S, Flaxel C, **Huang D**. Diabetic retinopathy characteristics detected with 6 x 6 mm optical coherence tomography (OCT) angiography using split-spectrum amplitude-decorrelation angiography (SSADA) algorithm. The Macula Society 38th Annual Meeting. Scottsdale, AZ. February 2015.

BOOK REVIEWS

1. **Huang D**, Shure M. Handbook of optical coherence tomography. *Ophthalmic Surgery, Lasers & Imaging* 2003; 34:78-79.

LETTERS TO EDITORS

1. **Huang D**, Krueger R, Stulting RD. Correlation between eyes in bilateral LASIK. *Ophthalmology*. 2000;107:1962-3.
2. **Huang D**. Central island and decentration correction. *Ophthalmology*. 2001;108:1935-1936.
3. **Huang D**. Flap-induced aberration. *J Cataract Refract Surg*. 2003;29:1851-1852.
4. **Huang D**. "Optical" coherence tomography not "ocular" coherence tomography. *J Cataract Refract Surg*. 2007;33:1141.

CONFERENCE PROCEEDINGS

1. Izatt JA, Hee MR, **Huang D**, Fujimoto JG, Swanson EA, Lin CP, Schuman JS, Puliavito CA. Ophthalmic diagnostics using optical coherence tomography. Ophthalmic Technologies III, Ren Q, Pavel J-M, Eds. *Proc SPIE* 1877, 1993.
2. **Huang D**, Arif M. Spot size and quality of scanning laser correction of higher-order wavefront aberrations. *J Refract Surg*. 17:S588, Proceeding of the 2nd International Congress of Wavefront Sensing and Aberration-free Refractive Correction. Monterey CA. February 2001.
3. Arif M, **Huang D**. Theoretical study of aberration correction in eye using scanning-spot laser. *Proceedings of SPIE* Vol. 4245:66-77. SPIE's International Biomedical Optics Symposium. San Jose, CA. October 2001.
4. Li Y, Shekhar R, **Huang D**. Segmentation of 830- and 1310 nm LASIK corneal optical coherence tomography images. *Proceedings of SPIE* Vol. 4684:167-178. Medical Imaging 2002. San Diego, CA. February 2002
5. Jeon SW, Shure MA, Rollins AM, **Huang D**. Corneal hydration imaging using dual-wavelength optical coherence tomography. *Proceedings of SPIE*. SPIE's International Biomedical Optics Symposium. San Jose, CA. January 2004.

6. Wang Y, Tan O, **Huang D**. *In vivo* retinal blood flow measurement by Fourier-domain Doppler optical coherence tomography. *Proceedings of SPIE*. SPIE's International Biomedical Optics Symposium. San Jose, CA. January 2008.
7. Wang Y, Tan O, **Huang D**. Investigation of retinal blood flow in normal and glaucoma subjects by Doppler Fourier-domain optical coherence tomography. *Proceedings of SPIE*. SPIE's International Biomedical Optics Symposium. San Jose, CA. January 2009.
8. Baumann B, Potsaid BM, Liu JJ, Kraus MF, **Huang D**, Hornegger J, Duker JS, Fujimoto JG. Retinal blood flow measurement with ultrahigh-speed swept-source Fourier-domain optical coherence tomography. *Proceedings of SPIE*. SPIE's International Biomedical Optics Symposium. San Jose, CA. January 2010.
9. Potsaid BM, Baumann B, Liu JJ, Kraus MF, Barry S, Cable AE, **Huang D**, Duker JS, Hornegger J, Fujimoto JG. Ultrahigh-speed 1050nm swept-source ophthalmic optical coherence tomography imaging at 100,000 – 200,000 axial scans per second. *Proceedings of SPIE*. SPIE's International Biomedical Optics Symposium. San Jose, CA. January 2010.
10. Tokayer J, **Huang D**. Effect of blood vessel diameter on relative blood flow estimate in Doppler optical coherence tomography algorithms. *Proceedings of SPIE*. SPIE's International Biomedical Optics Symposium. San Francisco, CA. January 2011.
11. Tan O, Li Y, Wang Y, Kraus MF, Liu JJ, Potsaid BM, Bauman B, Fujimoto JG, **Huang D**. Speckle reduction in swept source optical coherence tomography images with slow-axis averaging. *Proceedings of SPIE*. SPIE's International Biomedical Optics Symposium. San Francisco, CA. January 2012.
12. Grulkowski I, Liu JJ, Potsaid BM, Jayaraman V, Cable AE, Huang D, Duker JS, Fujimoto JG. 3-D ocular morphometry and biometry of accommodating eyes using full eye length imaging with SS-OCT. *Proceedings of SPIE*. SPIE's International Biomedical Optics Symposium. San Francisco, CA. January 2013.
13. Kraus MF, Choi WJ, Liu J, Jia Y, Zhang J, Adhi M, Potsaid B, Grulkowski I, Huang D, Duker SJ, Hornegger J, Fujimoto JG. Robust 3D-OCT motion correction with applications in pathology imaging, Doppler OCT and correlation based angiography. *Proceedings of SPIE*. SPIE's International Biomedical Optics Symposium. San Francisco, CA. January 2013.
14. Choi WJ, Lee BK, Potsaid B, Lu CD, Kraus MF, Hornegger J, Jayaraman V, Cable AE, Huang D, Duker SJ, Fujimoto JG. Hemodynamic imaging of the human retina using ultrahigh speed swept source optical coherence tomography. *Proceedings of SPIE*. SPIE's International Biomedical Optics Symposium. San Francisco, CA. February 2014.

INVITED LECTURES

1. Case Western Reserve University School of Medicine. Cleveland, OH. Optical coherence tomography, applications in ophthalmology. February 1999.
2. Beckman Laser Institute. University of California Irvine. Irvine, CA. Application of optical coherence tomography to refractive surgery. March 1999.
3. Department of Allergy and Immunology. Cleveland Clinic Foundation. Cleveland, OH. Ocular Allergy. April 1999.
4. Center for Visual Science. University of Rochester. Rochester, NY. Optical coherence tomography, applications in ophthalmology. July 1999.

5. International Congress of Eye Research. Corneal anatomy by optical coherence tomography. Santa Fe, NM. October 15-20, 2000.
6. International Society of Refractive Surgery World Refractive Surgery Symposium. Practical nomogram development: how to get started. Dallas, TX. October 19-20, 2000.
7. Congreso Internacional de CEOVAL LASIK nomogram development. Are current excimer lasers adequate for the correction of wavefront aberrations? and Applications of optical coherence tomography in refractive surgery. Isla de Margarita, Venezuela. May 17-19, 2000.
8. XIII. Congress of the European Society of Ophthalmology. OCT in refractive surgery. Istanbul, Turkey. June 3-7, 2001.
9. Pacific Coast Oto-Ophthalmological Society Annual Meeting. Optical coherence tomography: applications in refractive surgery. Maui, HI. June 23-27, 2001.
10. 1ST International LASEK Congress. Nomogram adjustment after LASEK. Houston, TX. March 23-23, 2002.
11. Advances in Cataract, Cornea and Keratorefractive Surgery Annual Symposium. Optical coherence tomography. Refractive implants. Advances in laser vision correction. Cleveland, OH. May 3-4, 2002.
12. XXIXth International congress of Ophthalmology. Evaluation of corneal anatomic changes after LASIK by optical coherence tomography. Sydney, Australia. April 21-25, 2002.
13. 2nd Global Chinese Ophthalmic Conference. Anterior segment optical coherence tomography. Taipei, Taiwan. June 15, 2002.
14. 2002 ISRS Fall Refractive & Cataract Symposium. Prevention and management of epithelial defects. Orlando, FL. October 18-19, 2002.
15. American Academy of Ophthalmology Annual Meeting. Prevention and management of flap-related complications. Orlando, FL. October 20-23, 2002.
16. 2nd International Congress on LASEK. Ectasia and biomechanical instability. Cleveland, OH. May 30-31, 2003.
17. American Academy of Ophthalmology Annual Meeting Refractive Surgery Interest Group Subspecialty Day. Optical coherence tomography. Anaheim, CA. November 14-15, 2003.
18. American Academy of Ophthalmology Annual Meeting Discussant for M Knorz, Online optical coherence pachymetry during LASIK. Anaheim, CA. November 14-15, 2003.
19. American Academy of Ophthalmology Annual Meeting. Cornea: technological advances in cornea and anterior segment imaging. New Orleans, LA. October 23-26, 2004.
20. Cornea & Refractive Surgery Update. Diagnostic technologies in refractive surgery. Doheny Eye Institute, Los Angeles, CA. October 9, 2004.
21. Advances in Optic Nerve Imaging in Glaucoma. Newer strategies and advances in optical coherence tomography. Doheny Eye Institute, Los Angeles, CA. December 11, 2004.
22. Refractive Surgery Center Update. CustomVue for hyperopia. Doheny Eye Institute, Los Angeles, CA. February 15, 2005.
23. Kaiser Permanente Ophthalmology Symposium on Anterior Segment Disease. Refractive surgery techniques for the treatment of corneal diseases. Anaheim, CA. May 14, 2005.
24. Kaiser Permanente Ophthalmology Symposium on Anterior Segment Disease. Corneal imaging and measurement technologies. Anaheim, CA. May 14, 2005.
25. Annual Doheny Days Meeting. Optical coherence tomography for corneal and refractive surgeries. Doheny Eye Institute, Los Angeles, CA. June 17-18, 2005.

26. Refractive Implants. Optical coherence tomography in refractive surgery. Doheny Eye Institute, Los Angeles, CA. October 8, 2005.
27. Advancements in Optics for Biotechnology, Medicine and Surgery. Optical coherence tomography applications in the eye. Copper Mountain, CO. July 24-28, 2005.
28. Anterior Segment Imaging: New Advances in OCT Technology. CME Symposium sponsored by SLACK, Inc. Understanding the principles of optical imaging of the anterior segment. Chicago, IL, October 16, 2005.
29. Optical Coherence Tomography Symposium: Advanced Capabilities for Clinical Practice and Basic Research. Clinical applications of OCT in the eye: anterior segment. Massachusetts General Hospital, Boston, MA. November 7, 2005.
30. Clinical Applications of Optical Coherence Tomography (OCT). OCT applications in the anterior segment. University of Pittsburgh Medical Center, Pittsburgh, PA. December 10, 2005.
31. Cornea Day sponsored by Cornea Society and American Society of Cataract and Refractive Surgery. Anterior segment OCT. San Francisco, CA. March 17, 2006.
32. Dry Eyes. Dry eye and laser vision correction. Doheny Eye Institute, Los Angeles, CA. May 13, 2006.
33. Annual Doheny Days Meeting. An optical coherence tomography-based intraocular lens formula. Doheny Eye Institute, Los Angeles, CA, June 16-17, 2006.
34. Cataracts and IOL's. Intraocular lens power calculation based on optical coherence tomography. Doheny Eye Institute, Los Angeles, CA. October 14, 2006.
35. Visiting professor lecture at University of California at San Francisco School of Medicine Department of Ophthalmology. Anterior segment OCT, San Francisco, CA. January 18, 2007.
36. Visiting professor lecture at National Taiwan University Department of Ophthalmology. Optical coherence tomography in corneal and refractive surgery. and Diagnosis of narrow angle glaucoma with optical coherence tomography. February 27, 2007.
37. Retina Club of Taiwan. Fourier-domain optical coherence tomography for retinal diseases and glaucoma. February 25, 2007
38. Ocular Imaging Symposium. Ultrahigh-speed Fourier-domain optical coherence tomography for glaucoma and retinal diseases. Asia ARVO (Association for Research in Vision & Ophthalmology) Meeting, Singapore, March 2-5, 2007.
39. Refractive Surgery Symposium, An optical coherence tomography-based intraocular lens power formula. Asia ARVO (Association for Research in Vision & Ophthalmology) Meeting, Singapore, March 2-5, 2007.
40. Optical Coherence Tomography of the Anterior Segment of the Eye. Fifth Annual USC Vision Symposium. University of Southern California. April 17, 2007.
41. Visiting professor lecture at University of California at San Diego Department of Biomedical Engineering. The speed revolution in optical coherence tomography of the eye. San Diego, CA. April 27, 2007.
42. Annual Doheny Day Conference. Anterior segment imaging with Fourier-domain OCT. Doheny Eye Institute. June 2007.
43. Utah Ophthalmology Society Summer Meeting. Corneal and anterior segment optical coherence tomography, and Glaucoma diagnosis with optical coherence tomography, Deer Valley, Utah. August 3, 2007.

44. Japan Congress of Clinical Ophthalmology. Fourier-domain optical coherence tomography in glaucoma diagnosis. and Corneal imaging with optical coherence tomography. Kyoto International Conference Hall, Kyoto, Japan. October 11-14, 2007.
45. Cornea 2007: Contemporary and Future Issues, Anterior segment and corneal imaging: optical coherence tomography, American Academy of Ophthalmology Annual Meeting, New Orleans, LA. November 10-13, 2007.
46. Important Current Issues for Refractive Surgeon Symposium. Debate point: ectasia after laser refractive surgery is a preventable condition-the risk factors are known and proper preoperative and operative measurements will decrease their incidence, American Academy of Ophthalmology Annual Meeting, New Orleans, LA. November 10-13, 2007.
47. Visiting professor lecture at Henan Eye Institute, Corneal & anterior segment imaging with Fourier-domain optical coherence tomography. Zhengzhou, Henan, China, June 18, 2008.
48. Advanced Structural and Functional Imaging, Structural and functional imaging with Fourier-domain optical coherence tomography. World Ophthalmology Congress, Hongkong, June 28-July 3, 2008.
49. Corneal Imaging, Corneal & anterior segment imaging with Fourier-domain optical coherence tomography. World Ophthalmology Congress, Hongkong, June 28-July 3, 2008.
50. Zhongshan Ophthalmic Center. A brief history of optical coherence tomography, Corneal & anterior segment imaging with Fourier-domain optical coherence tomography, and Structural & functional imaging with Fourier-domain optical coherence tomography for glaucoma diagnosis. Guangzhou, Guangdong, China, July 4, 2008.
51. Symposium on Innovations in Ophthalmic Technology, Fourier-domain optical coherence tomography applications, National Taiwan University, Taipei, Taiwan, July 6, 2008.
52. Latvian American Eye Center, History and comparison of optical coherence tomography technologies, Corneal and anterior segment optical coherence tomography, Structural and functional optical coherence tomography for glaucoma diagnosis. Riga, Latvia, September 23-27, 2008.
53. Delhi Society of Ophthalmology meeting. Progress in Fourier-domain optical coherence tomography of the eye. All India Institute of Medical Sciences, New Delhi, India, January 9, 2009.
54. Asia-ARVO International Meeting on Research in Vision and Ophthalmology, Corneal & anterior segment imaging with Fourier-domain optical coherence tomography, Hyderabad, India, January 15-18, 2009.
55. Asia-ARVO International Meeting on Research in Vision and Ophthalmology, Structural & functional imaging with Fourier-domain optical coherence tomography, Hyderabad, India, January 15-18, 2009.
56. Association for Ocular Circulation founding meeting, Doppler optical coherence tomography, Boston, MA, March 12-13, 2009.
57. Ulrich Ollendorff Memorial Lecture, Optical coherence tomography: historical perspective and future trends. Harkness Eye Institute, Columbia University, New York City, NY, April 2, 2009.
58. Bausch & Lomb Visiting Professorship, History and future of optical coherence tomography, Structure and functional imaging with optical coherence tomography. University of Rochester, NY, April 24-25, 2009.

59. Congreso Argentino de Oftalmologia, Corneal and anterior segment optical coherence tomography, Structural and functional optical coherence tomography for glaucoma diagnosis, Optical coherence tomography: historical perspective and future trends. Buenos Aires, Argentina, 21-23 May 2009.
60. National Eye Institute 40th Anniversary Symposia Series: Advances in Optical Imaging and Biomedical Science, Structure and functional imaging with optical coherence tomography. National Institutes of Health, Rockville, MD, June 1-2, 2009.
61. Structural and functional imaging with optical coherence tomography, Casey Eye Institute, Oregon Health Science University, Portland, OR, August 7, 2009.
62. Structural and functional imaging with optical coherence tomography, Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD, September 18, 2009.
63. Iner-Institute Workshop on Optical Diagnostic and Biophotonic Methods from Bench to Bedside, Structural and functional optical coherence tomography in glaucoma diagnosis. National Institutes of Health, Bethesda, MD, October 1-2, 2009.
64. Ocular Imaging Joint Session, Anterior segment imaging: surgical guidance, Joint Meeting of the American Academy of Ophthalmology and the Pan-American Association of Ophthalmology, San Francisco, October 24-27, 2009
65. Structural and functional optical coherence tomography for glaucoma diagnosis, 13th Annual Yale Glaucoma Symposium, New York, NY, November 6, 2009
66. Controversies in Ophthalmology, Guiding anterior segment procedures with optical coherence tomography, 78th Midwinter Conference of the Research Study Club, Los Angeles, CA, January 16, 2010
67. Optical coherence tomography: historical perspective and future trends, Saudi Ophthalmology 2010 Meeting, Riyadh, Saudi Arabia, February 28-March 3, 2010
68. Glaucoma diagnosis with optical coherence tomography, Saudi Ophthalmology 2010 Meeting, Riyadh, Saudi Arabia, February 28-March 3, 2010
69. Doppler optical coherence tomography of retinal blood flow in glaucoma and retinal diseases, Saudi Ophthalmology 2010 Meeting, Riyadh, Saudi Arabia, February 28-March 3, 2010
70. Detecting and tracking glaucoma with optical coherence tomography workshop, Saudi Ophthalmology 2010 Meeting, Riyadh, Saudi Arabia, February 28-March 3, 2010
71. Corneal power measurement and IOL calculation with optical coherence tomography, Saudi Ophthalmology 2010 Meeting, Riyadh, Saudi Arabia, February 28-March 3, 2010
72. Screening of keratoconus with optical coherence tomography, Saudi Ophthalmology 2010 Meeting, Riyadh, Saudi Arabia, February 28-March 3, 2010
73. Planning corneal laser procedures with optical coherence tomography workshop, Saudi Ophthalmology 2010 Meeting, Riyadh, Saudi Arabia, February 28-March 3, 2010
74. Imaging Solutions to Anterior and Posterior Segment Conundrums , 65th Annual OOAA Meeting, Casey Eye Institute, Portland, OR, May 14, 2010.
75. Guiding Corneal Procedures with OCT , Clinical Applications of Optical Coherence Tomography (OCT) Course, Pittsburgh, PA, July 24, 2010.
76. Doppler OCT for Measurement of Retinal Blood Flow , Clinical Applications of Optical Coherence Tomography (OCT) Course, Pittsburgh, PA, July 24, 2010.
77. Measurement of Retinol Circulation with Doppler Optical Coherence Tomography , Coscas Medal Lectures, *Corso Intensivo di OCT*, Rome, Italy, September 17, 2010

78. Anterior Segment Optical Coherence Tomography , Coscas Medal Lectures, *Corso Intensivo di OCT*, Rome, Italy, September 17, 2010.
79. New Developments in Optical Coherence Tomography for Ophthalmology , Hot Topics Session, SPIE Photonics West, San Francisco, CA, January 22-26, 2011.
80. Anterior Segment Imaging-Clinical Utility and Comparison of Technologies , CORNEA Day, American Society of Cataract and Refractive Surgery Annual Meeting, San Diego, CA, March 25, 2011.
81. Anterior Segment Optical Coherence Tomography , Richard L. Lindstrom Lecture, Contact Lens Association of Ophthalmologists/American Society of Cataract and Refractive Surgery Annual Meeting, San Diego, CA, March 28, 2011.
82. Big Trends in the History of OCT – Inventor’s Perspective , Ophthalmic Photographers’ Society Meeting, American Academy of Ophthalmology Annual Meeting, Orlando, FL, October 21-24, 2011.
83. Imaging of Retinal Blood Flow with Optical Coherence Tomography, American Society of Retina Specialists Symposium - Imaging of Macular and Retinal Diseases, American Academy of Ophthalmology Annual Meeting, Orlando, FL October 21-24, 2011.
84. New Targets for SD-OCT RNFLT Imaging in Glaucoma, American Glaucoma Society Annual Meeting, New York, NY, March 1-4, 2012.
85. Relationship among Visual Field, Blood Flow, and Neural Structure Measurements in Glaucoma , American Glaucoma Society Annual Meeting, New York, NY, March 1-4, 2012.
86. Seeing Structure and Function with Optical Coherence Tomography, MedTech Frontiers Seminar, Triple Ring Technologies, Newark, CA. April 5, 2012.
87. Keratoconus Detection by OCT Corneal Epithelial Thickness Mapping ASCRS 2012, Chicago, IL, April 2012.
88. Corneal Power and IOL Power Calculation with OCT Taiwan Acad Oph, Taipei, Taiwan, April 2012.
89. Keratoconus Diagnosis with OCT Taiwan Acad Oph, Taipei, Taiwan, April 2012.
90. Tracking Improves RTVue FD-OCT Image Quality. Taiwan Acad Oph, Taipei, Taiwan, April 2012.
91. Clinical Applications of Corneal OCT. 2012 Frontiers in Optics/Laser Science Meeting. Rochester, NY. October 2012.
92. Glaucoma Diagnosis with OCT. Taiwan Acad Oph, Taipei, Taiwan, April 2012.
93. Measurement of Blood Flow in the Retina and Optic Disc with OCT Taiwan Acad Oph, Taipei, Taiwan, March 2012.
94. Anterior Segment Imaging: Surgical Guidance. ARVO Symposium: Clinical Applications of Ocular Imaging. American Academy of Ophthalmology Meeting. Chicago, IL. November 2012.
95. Intraocular Lens Power Calculation after Refractive Surgery. Contact Lens Association of Ophthalmologists Symposium. American Academy of Ophthalmology Meeting. Chicago, IL. November 2012.
96. *En Face* OCT Angiography. *En Face* OCT Club Meeting. American Academy of Ophthalmology Meeting. Chicago, IL. November 2012.
97. Evaluating the Risk of Glaucoma Progression with OCT. Hawaiian Eye, Hawaii. January 2013.

98. OCT Angiography of ONH Blood Flow in Glaucoma. Hawaiian Eye, Hawaii. January 2013.
99. Measurement of ONH Blood Flow in Glaucoma by OCT Angiography. American Glaucoma Society Annual Meeting. San Francisco, CA. February 2013.
100. Advances in Three-Dimensional Imaging of the Cornea. 14th International Congress on Wavefront and Presbyopia Refractive Correction. Hollywood, FL. February 2013.
101. *Forme Fruste* Keratoconus Detection by OCT Corneal Epithelial Thickness Mapping. ASCRS, San Francisco, CA, April 2013.
102. OCT-based ONH and Retinal Blood Flow for Glaucoma Diagnosis. Association for Research in Vision & Ophthalmology Annual Meeting. Seattle, WA. May 2013.
103. *En face* OCT angiography of the optic disc and macula. Association for Research in Vision & Ophthalmology Annual Meeting. Seattle, WA. May 2013.
104. Functional and Structural Optical Coherence Tomography. Friedenwald Award and Lecture. Association for Research in Vision & Ophthalmology Annual Meeting. Seattle, WA. May 2013.
105. Optical Coherence Tomography Guided Eye Surgery. CLEO 2013. San Jose, CA. June 2013.
106. The Role of OCT in Imaging Glaucoma. Center for Biomedical OCT Research and Translation (CBORT). Boston, MA. July 2013.
107. Intraocular Lens Power Calculation after Refractive Surgery. Pan-American Congress of Ophthalmology. Rio de Janeiro, Brazil. August 2013.
108. *Forme Fruste* Keratoconus Detection by OCT Corneal Epithelial Thickness Mapping. Pan-American Congress of Ophthalmology. Rio de Janeiro, Brazil. August 2013.
109. Future Perspectives: *En Face* OCT Angiography of the Optic Disc and Macula. Pan-American Congress of Ophthalmology. Rio de Janeiro, Brazil. August 2013.
110. Angle Evaluation Utilizing Anterior Segment OCT. Pan-American Congress of Ophthalmology. Rio de Janeiro, Brazil. August 2013.
111. OCT Angiography. Pan-American Congress of Ophthalmology. Rio de Janeiro, Brazil. August 2013.
112. Functional and Structural Optical Coherence Tomography for Glaucoma. 24th Annual Scientific Meeting of the Japan Glaucoma Society. Tokyo, Japan. September 2013.
113. Guiding the Treatment of Anterior Eye Diseases with Optical Coherence Tomography. 28th Biennial Cornea Conference, Boston, MA. October 2013.
114. Functional OCT for Glaucoma Evaluation. Hawaiian Eye Nursing Program, Kauai, HI. January 2014.
115. Functional OCT for Glaucoma Evaluation. Hawaiian Eye Physician's Program. Kauai, HI. January 2014.
116. Structural & Functional OCT. Keynote Speaker. 26th Annual Ophthalmology Update, Department of Ophthalmology, Washington University. St. Louis, MO. March 2014.
117. Functional OCT for Glaucoma. International Society for Eye Research (ISER). San Francisco, CA. July 2014.
118. OCT Angiography of Disc & Macula. *En face* OCT imaging of the eye-SIG. ARVO. Orlando, FL. May 2014.
119. OCT Angiography. Dr. Joseph E. Koplowitz Memorial Lecture. Wilmer Eye Institute, Johns Hopkins Medicine. Baltimore, MD. October 2014.

120. Functional OCT. Wilmer Science Seminar Series. Wilmer Eye Institute, Johns Hopkins Medicine. Baltimore, MD. October 2014.
121. OCT Angiography in Diabetic Retinopathy. American Academy of Ophthalmology, Chicago IL. 2014.

VIDEOS

122. Tan O, Wang Y, Konduru R, Zhang X, Sadda SR, **Huang D**. Doppler optical coherence tomography of retinal circulation. *J Visualized Exp* 2012.