

**DAVID TYLER VROMAN, MD**  
CAROLINA CATARACT & LASER CENTER  
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### **PRIVATE PRACTICE**

Founding Partner, Carolina Cataract & Laser Center, April 2008 – present.

### **FACULTY APPOINTMENTS**

Clinical Associate Professor, Department of Ophthalmology, Medical University of South Carolina, Storm Eye Institute, July 2008 – present.

Associate Professor, Department of Ophthalmology, Medical University of South Carolina, Storm Eye Institute, July 2005 – July 2008.

Associate Member of the Graduate Faculty, Medical University of South Carolina, March 2006 – July 2008.

Assistant Professor, Department of Ophthalmology, Medical University of South Carolina, Storm Eye Institute, July 2000 – July 2005.

Clinical Instructor, Department of Ophthalmology, University of Miami, Bascom Palmer Eye Institute, July 1999 – July 2000.

### **ADMINISTRATIVE APPOINTMENTS**

American Society of Cataract and Refractive Surgery, Cornea Clinical Committee, 2011- 2015.

President, Charleston Ophthalmology Society. July 2013-2014.

Medical Director, Lifepoint Ocular Division, July 2001 – 2015.

Assistant Medical Director, South Carolina Lions Eye Bank, July 2000 – July 2001.

### **HOSPITAL APPOINTMENTS/PRIVILEGES**

Medical University of South Carolina, Storm Eye Institute, July 2000 – present.

Ralph H. Johnson Veterans Administration Hospital, July 2000 – 2010.

Trident Health Systems, August 2006 – present.

Charleston Surgery Center, August 2007 – present.

Roper Saint Francis Hospital System, July 2008 – present.

Clarendon Hospital System, January 2013- present.

## **BOARD CERTIFICATION**

American Board of Ophthalmology, May 2001.

American Board of Ophthalmology, May 2011.

## **LICENSURE**

SC License #18651 - current

FL ME 78215 – 7/1999 – 1/31/2002.

## **GRADUATE MEDICAL TRAINING**

University of Miami, Bascom Palmer Eye Institute, Miami, FL.  
Clinical Instructor and Fellow in Cornea and External Diseases, July 1999 – July 2000.

Medical University of South Carolina, Storm Eye Institute, Charleston, SC.  
Residency in Ophthalmology, July 1996 - June 1999.  
Chief Resident and Administrative Assistant to the Residency Director,  
July 1998 – June 1999.

Medical University of South Carolina, Department of Family Medicine.  
Internship, July 1995 – June 1996.

## **EDUCATION**

University of Maryland Medical School, Baltimore, Maryland.  
Doctor of Medicine, August 1991 – May 1995.

University of Delaware, Newark, Delaware.  
Bachelor of Arts in Biology with Honors, 1987 – 1991, *Magna cum laude*.

## **ACTIVITIES AND HONORS**

*Americas Top Ophthalmologists* – 2008, 2009, 2010, 2011, 2012, 2013

*Top Surgeon Award – Sightpath Medical* – 2012, 2013

*P250 – Top Ophthalmologists in America* – 2008, 2009, 2010, 2011, 2012, 2013

*Best Paper of Session* – American Society of Cataract and Refractive Surgery, 2006

*Best Doctors in America* – 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013  
*Teacher of the Year Award* – Storm Eye Institute, 2004-2005  
*Achievement Award* - American Academy of Ophthalmology *Achievement Award*, 2004.  
*Video First Prize* – Co-producer, Society of Cataract and Refractive Surgery, 2003.  
*Best Paper of Session* – American Society of Cataract and Refractive Surgery, 2002.  
*Best Paper of Session* – American Society of Cataract and Refractive Surgery, 2002.

### **Residency**

Chief Resident and Administrative Assistant to the Residency Director,  
1998-1999  
Graduate Medical Education Committee – resident representative, 1998-  
1999  
Golden Apple Teaching Award finalist, 1998  
Emergency Medicine Lecture Series  
Program Directors Award for Outstanding Resident, 1999  
Academic Resident Award, 1999  
Internal Review Committee member  
American Academy of Ophthalmology  
Glaucoma and Vision screening volunteer  
Diabetes screening volunteer

### **Medical School**

Alpha Omega Alpha Medical Honor Society  
President, Medical School Class of 1995, 1992-1995  
Honors in pathology, ophthalmology, short term research  
Curriculum Coordinating Committee, 1993-1995  
Reaccreditation Committee, 1991-1992  
Clinical Years Committee, 1993-1995  
Tutor in pathology, histology, physiology, neurosciences, biostatistics  
Stop AIDS Project – educate Baltimore City youth about AIDS  
Project Feast – Thanksgiving Day feast for the homeless

### **Undergraduate**

Phi Beta Kappa Honor Society  
Phi Kappa Phi Honor Society  
Tri- Beta (Biology) Honor Society  
General Honors Certificate  
Honors Academic, Paynter Academic, Study Abroad Scholarships  
Honors Research Grant  
Semester in Costa Rica, Spring 1989  
Hospital Emergency Room Volunteer, 1990  
Volunteer at local recreation council – basketball referee, baseball umpire

## **MEMBERSHIP IN PROFESSIONAL/SCIENTIFIC SOCIETIES**

### National Societies

- American Academy of Ophthalmology (AAO) – Member, 2000 - present
- American Society of Cataract and Refractive Surgery, 1999 – present
- The Cornea Society, 2002 – present
- American College of Ophthalmic Surgeons, 2011-present

#### Local Societies

- Charleston Society of Ophthalmology, 2000 – present
- Charleston County Medical Society, 2000 – present
- South Carolina Medical Association, 2000 – present
- South Carolina Society of Ophthalmology, 2003 - present

#### **ACADEMIC COMMITTEE ACTIVITIES**

Cornea Fellowship Mentor, Medical University of South Carolina, Storm Eye Institute, 2012.

Resident Review Committee, Department of Ophthalmology, MUSC, 2002 – 2008.

Electronic Medical Records Committee, 2005-6.

Chair – Glaucoma Search Committee, 2004-2006.

Member – Comprehensive Optometrist Search Committee, 2004-2005.

MUSC – Affiliate Working Group Committee 2003.

Medical University of S.C., College of Medicine – Graduate Medical Education Committee, resident representative – 1998-1999.

Medical University of S.C., College of Medicine, Department of Ophthalmology – Internal Review Committee member.

#### **EDITORIAL POSITIONS:**

##### **Reviewer**

Ophthalmology, Archives of Ophthalmology, Journal of Cataract and Refractive Surgery, American Journal of Ophthalmology, Cornea

#### **PANELIST:**

Cornea- Keratoconus session 1-J. American Society of Cataract and Refractive Surgery. Boston, 2014.

Cornea – Surgical Techniques and Technology session 1-A. American Society of Cataract and Refractive Surgery. San Francisco, 2013.

Cornea – Keratoconus and Ectasia, session 4-E. American Society of Cataract and Refractive Surgery. Chicago 2012

Cornea - Keratoconus, Ectasia. . American Society of Cataract and Refractive Surgery. Chicago 2011.

Cornea Free Papers. American Academy of Ophthalmology. Chicago, 2010.

Cataract Technology. American Society of Cataract and Refractive Surgery. San Francisco, 2006.

Refractive - Phakic IOLs session 1-F, 2005 Symposium & Congress. American Society of Cataract and Refractive Surgery. Washington, DC, USA. April 15 – 20, 2005.

## **CLINICAL TRIALS**

- Allergan – Restasis: A masked randomized parallel-group study to compare the safety and efficacy of Restasis (Cyclosporine 0.05% Ophthalmic Emulsion) vs. an artificial tear (Refresh) used twice daily for up to twelve months in patients with moderate to severe keratoconjunctivitis sicca 8/7/00 - 12/31/01
- Alcon – ACRYSOF Blue Blocker Intraocular Lens 10/24/00 – 10/24/02
- Dry eye LASIK – comparing nasal to superior hinge microkeratome
- Allergan – Refresh Plus/Refresh Tears for post-LASIK patients (Phase IV study)
- Allergan – Multi-center, randomized, double masked, vehicle controlled, parallel-group study evaluating the safety and analgesic efficacy of ketorolac tromethamine 0.4% ophthalmic solution in post-photorefractive patients
- Alcon – Clinical Study of the ACRYSOF, Multifocal Intraocular Lens
- Alcon – US Clinical Study of the ACRYSOF Angle-Supported Phakic IOL 9/1/04 – 3-31-08
- Departmental Funded – Comparison of Visual Outcomes, Wavefront Analysis, Contrast Sensitivity & Glare Testing following cataract extraction between Acrysof Natural and Acrysof Wavefront IOL's 04/29/04 – 04/29/05
- Content Validation of the Assessment of Photic Phenomena & Lens EffectS

(APPLES) and Spectacle Independence Lens Vision Evaluation and Repurchase (SILVER) Questionnaires in Subjects with High Cylinder Toric and non-Toric IOLs and Low Cylinder Toric and non-Toric IOLs 12/05/11 – 01/09/12

- Study to Examine Reliability and Validity of the Assessment of Photopic Phenomena & Lens Effects (APPLES)-Visual Distortion Instrument in Subjects with High Cylinder Toric and non-Toric Intraocular Lenses (IOLs) and Low Cylinder Toric and non-Toric IOLs 12/05/11 – 01/13/12
- Alcon - C-09-076; Clinical Investigation of AcrySof® IQ Monofocal Toric Intraocular Lens Model SN6AT2 3/2012 – 2/2013
- Alcon - C-11-020; Post Approval Study of the AcrySof® IQ Toric High Cylinder Power IOL Models SN6AT6-SN6AT9 3/2012 – Present
- Alcon - C-12-067; Randomized, Double Masked, Vehicle Controlled, Clinical Evaluation To Assess The Safety And Efficacy Of Nepafenac Ophthalmic Suspension, 0.3% For Improvement In Clinical Outcomes Among Diabetic Subjects Following Cataract Surgery 05/2013 – 05/2015
- Alcon - M-13-019; Additive Effect of Brinzolamide 1% /Brimonidine 0.2% Fixed Dose Combination as Adjunctive Therapy to Travoprost 09/2013 – 05/2014
- Glaukos Corporation - GTS100-PAR; Glaukos® IStent® Trabecular Micro-Bypass Stent System in conjunction with cataract surgery post market registry 09/2013 – Present
- Ocular Therapeutix, Inc. – OTX-14-003; A Prospective, Multicenter, Randomized, Parallel- Arm, Double-Masked, Vehicle Controlled Phase 3 Study Evaluating the Safety and Efficacy of OTX-DP for the Treatment of Ocular Inflammation and Pain after Cataract Surgery 05/2014 - 2015
- Ocular Therapeutix, Inc. – OTX-14-010; Performance Evaluation of the OTX Punctum Plug in Healthy Volunteers: A Prospective, Single-Arm, Non-Significant Risk Feasibility Study to Assess Acute Placement and Retention of the OTX Punctum Plug 01/2015 – Present
- Ocular Therapeutix, Inc. – OTX-13-003; ReSure® Sealant Post-Approval Study: A Registry Evaluation of ReSure Sealant for Specified Adverse Ocular Events after Sealing Corneal Incisions in Patients Undergoing Clear Corneal Cataract Surgery 05/2015 – Present
- Ocular Therapeutix, Inc. – OTX-15-001; Performance Evaluation of the OTX Punctum Plug in Healthy Volunteers: A Prospective, Multi-Arm, Non-Significant Risk Feasibility Study to Assess Retention and Replacement of the OTX Punctum Plug 05/2015 - Present

## PUBLICATIONS

### Peer Reviewed Journal Articles:

- 1) Ziaei M, Barsam A, Shamie N, **Vroman D**, Kim T, Donnenfeld ED, Holland EJ, Kanellopoulos J, Mah FS, Randleman JB, Daya S, Guell J. Reshaping procedures for the surgical management of corneal ectasia. J Cataract Refract Surg. 2015 Apr;41(4):842-72.
- 2) Mah FS, Davidson R, Holland EJ, Hovanesian J, John T, Kanellopoulos J, Shamie N, Starr C, Vroman D, Kim T. Current knowledge about and recommendations for ocular methicillin-resistant Staphylococcus aureus. J Cataract Refract Surg. 2014 Nov;40(11):1894-908.
- 3) Gupta PK, Bordelon A, **Vroman DT**, Afshari NA, Kim T. [Early outcomes of descemet stripping automated endothelial keratoplasty in pseudophakic eyes with anterior chamber intraocular lenses.](#) Am J of Ophthal 2011: 151(1):24-28.
- 4) Neff KD, Sandoval HP, Fernandez de Castro LE, Nowacki AS, **Vroman DT**, Solomon KD. [Factors associated with intraoperative floppy iris syndrome.](#) Ophthalmol 2009: 116(4):658-63
- 5) Fernández de Castro LE, Solomon KD, Hu DJ, **Vroman DT**, Sandoval HP. Comparison of the Infiniti vision and the series 20000 Legacy systems. Ophthalmologica 2008;222:96-99.
- 6) Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. A review of the use of Ketorolac Tromethamine 0.4% in the treatment of post-surgical inflammation following cataract and refractive surgery. Clinical Ophthalmology. 2008.
- 7) Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Comparison of visual outcome, contrast sensitivity, wavefront analysis and patient satisfaction following cataract extraction and IOL implantation: aspheric vs. spherical acrylic lenses. Eye 2008: 22(12):1469-75
- 8) Wilson ME Jr, Levin AV, Trivedi RH, Kruger SJ, Elliott LA, Ainsworth JR, Awner S, Cruz OA, Kivlin J, **Vroman DT**, Young WO. [Cataract associated with type-1 diabetes mellitus in the pediatric population.](#) J of AAPOS 2007: 11(2):162-5
- 9) Groat B, Ying MS, **Vroman DT**, Fernández de Castro LE. Descemet-stripping automated endothelial keratoplasty technique in patients with anterior chamber intraocular lenses. Br J Ophthalmol 2007; 2007;91:714.

- 10) Fernández de Castro LE, Sandoval HP, Bartholomew LR, **Vroman DT**, Solomon KD. High order aberrations and preoperative associated factors. *Acta Ophthalmol Scand* 2007;85:106-110.
- 11) Fernández de Castro LE, Sandoval HP, Bartholomew LR, **Vroman DT**, Solomon KD. Prevention of *Staphylococcus aureus* endophthalmitis with topical gatifloxacin in a rabbit prophylaxis model. *J Ocular Pharmacol Ther* 2006;22:132-138.
- 12) **Vroman DT**, Breckenridge RR, Solomon KD, Sandoval HP, Fernández de Castro LE. Bronchogenic squamous cell carcinoma presenting as cicatrizing conjunctivitis. *Cornea* 2006;25:611-613.
- 13) Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Evaluation of 0.4% ketorolac tromethamine ophthalmic solution vs. 0.5% ketorolac tromethamine ophthalmic solution after phacoemulsification and intraocular lens implantation. *J Ocular Pharmacol Ther* 2006;22:251-257.
- 14) Fernández de Castro LE, Al Sarraf O, Hawthorne KM, Solomon KD, **Vroman DT**. Ocular manifestations following primary varicella infection: a case report. *Cornea* 2006;25:866-867.
- 15) Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Randomized, double-masked clinical trial evaluating corneal endothelial cell loss after cataract extraction and intraocular lens implantation: Fluid-based system vs. ultrasound phacoemulsification. *Cornea* 2006;25:1043-1045.
- 16) Kasman LM, Biber JM, **Vroman DT**. Immunoglobulin gene implicated in murine herpes stromal keratitis is not associated with the human disease. *Cornea*. 2006 Oct;25(9):1069-71
- 17) Fernández de Castro LE, Sandoval HP, Solomon KD, **Vroman DT**. Iris Cerclage Suture Technique for Traumatic Mydriasis. *Br J Ophthalmol*;90:March 2005; Video Report (<http://bjo.bmjournals.com/cgi/content/full/90/3/DC1/1>).
- 18) Fernández de Castro LE, Sandoval HP, Bartholomew LR, **Vroman DT**, Solomon KD. Prevention of *Staphylococcus aureus* Endophthalmitis with Topical Gatifloxacin in a Rabbit Prophylaxis Model. *J Ocular Pharmacol Ther*. 2006;22.
- 19) Hickman MS, Werner L, Mamalis N, Sung E, Goldstein D, **Vroman DT**, Pandey SK. Intraoperative explantation of two single-piece hydrophobic acrylic intraocular lenses due to surface deposits. *Eye* 2006; 20(9):1054-60.
- 20) Fernández de Castro LE, Al Sarraf O, Lally JM, Sandoval HP, Solomon KD, **Vroman DT**. *Cryptococcus albidus* Keratitis after Corneal Transplantation. *Cornea* 2005; 24:882-883.



- 21) Fernández de Castro LE, Petersen AM, Al Sarraf O, Givre SJ, Solomon KD, **Vroman DT**. Herpes Zoster Ophthalmicus Presenting as Giant-Cell Arteritis. *Clinical & Experimental Ophthalmology*. 2005;33:636-638.
- 22) Sandoval HP, Fernandez de Castro LE, **Vroman DT**, Solomon KD. Refractive Surgery Survey 2004. *J Cataract Refract Surg*. 2005; 31:221-33.
- 23) **Vroman DT**, Sandoval HP, Fernandez de Castro LE, Kasper TJ, Holzer MP, Solomon KD. Effect of Hinge Location on Corneal Sensation and Dry Eye After Myopic LASIK. *J Cataract Refract Surg* 2005 Oct; 31(10):1881-7.
- 24) Solomon KD, Fernandez de Castro LE, Sandoval HP, Bartholomew LR, **Vroman DT**. Refractive surgery survey 2003. *J Cataract Refract Surg*. 2004; 30:1556-69.
- 25) Solomon KD, Fernandez de Castro LE, Sandoval HP, **Vroman DT**. Comparison of wavefront sensing devices. *Ophthalmol Clin North Am*. 2004 Jun; 17(2):119-27.
- 26) Solomon KD, Donnenfeld E, Sandoval HP, Al Sarraf O, Kasper TJ, Holzer MP, Slate EH, **Vroman DT**, Group FT. Flap thickness accuracy; Comparison of 6 microkeratome models. *J Cataract Refract Surg*. 2004 May;30(5):964-77.
- 27) Holzer MP, Sandoval HP, Vargas LG, Kasper TJ, **Vroman DT**, Apple DJ, Solomon KD. Evaluation of preoperative and postoperative prophylactic regimens for prevention and treatment of diffuse lamellar keratitis. *J Cataract Refract Surg*. 2004 Jan;30(1):195-9.
- 28) Sandoval HP, Al Sarraf O, **Vroman DT**, Solomon KD. Corneal Endothelial Cell Loss after Lens Extraction Using the Fluid-based System Compared to Ultrasound Phacoemulsification. *Cornea* 2004; 23:720-2.
- 29) Fernandez de Castro LE, Sandoval HP, Al Sarraf O, **Vroman DT**, Solomon KD. Relationship between cycloplegic and wavefront-derived refraction. *J Refract Surg*. 2003 Nov-Dec;19(6):S677-81.
- 30) Sandoval HP, Crosson CE, Holzer MP, **Vroman DT**, Solomon KD. Residual cleaner after normal cleaning of laser in situ keratomileusis instruments. *J Cataract Refract Surg*. 2003; 29(9):1727-32.
- 31) Holzer MP, Solomon KD, **Vroman DT**, Sandoval HP, Margaron P, Kasper TJ, Crosson CE. Photodynamic therapy with verteporfin in a rabbit model of corneal neovascularization. *Invest Ophthalmol Vis Sci*. 2003 Jul;44(7):2954-8.
- 32) Pandey SK, Werner L, **Vroman DT**, Apple DJ. Dye – Enhanced Anterior Capsulorhexis: Surgical Techniques Guidelines, and Recommendations for Surgeons. *Comprehensive Ophthalmology Update* 2003;4:179-185.

- 33) **Vroman DT**, Solomon KD. Images in clinical medicine. Relapsing polychondritis. *N Engl J Med*. 2003 July 17;349(3):e3.
- 34) Daines BS, **Vroman DT**, Sandoval HP, Steed LL, Solomon KD. Rapid diagnosis and treatment of mycobacterial keratitis after laser in situ keratomileusis. *J Cataract Refract Surg* 2003;29:1014-8.
- 35) Holzer MP, Sandoval HP, Vargas LG, Kasper TJ, **Vroman DT**, Apple DJ, Solomon KD. Corneal flap complications in refractive surgery. Part 2: postoperative treatments of diffuse lamellar keratitis in a experimental animal model. *J Cataract Refract Surg* 2003;29:803-7.
- 36) Holzer MP, Vargas LG, Sandoval JP, **Vroman DT**, Kasper TJ, Brown SJ, Apple DJ, Solomon KD. Corneal flap complications in refractive surgery. Part 1: development experimental animal model. *J Cataract Refract Surg* 2003;29:795-802.
- 37) Karp CL, Tuli SS, Yoo SH, **Vroman DT**, Alfonso EC, Huang AH, Pflugfelder SC, Culbertson WW. Infectious keratitis after LASIK. *Ophthalmology* 2003;110:503-10.
- 38) Holzer MP, Solomon KD, Sandoval HP, **Vroman DT**. Comparison of ketorolac tromethamine 0.5% and loteprednol etabonate 0.5% for inflammation after phacoemulsification. Prospective randomized double-masked study. *J Cataract Refract Surg* 2002;28:93-9.
- 39) Solomon KD, Holzer MP, Sandoval HP, Vargas LG, Werner L, **Vroman DT**, Kasper TJ, Apple DJ. Refractive Surgery Survey 2001. *J Cataract Refract Surg* 2002;28:346-55.
- 40) **Vroman DT**, Solomon KD, Holzer MP, Peng Q, Apple DJ, Bowie EM. Endothelial decompensation after laser in situ keratomileusis. *J Cataract Refract Surg* 2002;28:2045-9.
- 41) Holzer MP, Solomon KD, **Vroman DT**, Vargas LG, Sandoval HP, Kasper TJ, Apple DJ. Diffuse Lamellar Keratitis: Evaluation of etiology, histopathologic findings, and clinical implications in an animal model. *J Cataract Refract Surg* 2003;29:542-9.
- 42) Holzer MP, Solomon KD, Vargas LG, Sandoval HP, Kasper TJ, **Vroman DT**, Apple DJ. Diffuse Lamellar Keratitis: Postoperative prophylactic treatment with corticosteroids in an experimental animal study. (German) *Ophthalmologie* 2002; 99:849-53.
- 43) Vargas LG, **Vroman DT**, Solomon KD, Holzer MP, Escobar-Gomez M, Schmidbauer JM, Apple DJ. Epithelial Downgrowth after Clear Cornea Phacoemulsification: Report of Two Cases and Review of the Literature. *Ophthalmology* 2002;109:2331-5.

- 44) Sandoval JP, Vargas LG, Holzer MP, Kasper TJ, **Vroman DT**, Apple DJ, Solomon KD. Queratitis Lamelar Difusa: Tratamiento Profiláctico con Ketorolaco Trometamina 0.5% en un Modelo Animal. [Diffuse Lamellar Keratitis: Prophylactic Treatment with Ketorolac Tromethamine 0.5% in an Animal Model]. Arch Soc Esp Oftalmol 2002;77:589-95.
- 45) **Vroman DT**, Karp CL. Complication from use of alcohol to treat epithelial ingrowth after laser-assisted in situ keratomileusis. Arch Ophthalmol 2001; 119:1378-9.
- 46) Solomon KD, **Vroman DT**, Barker D, Gehlken J. Comparison of ketorolac tromethamine 0.5% and rimexolone 1% to control inflammation after cataract extraction. Prospective randomized double-masked study. J Cataract Surg 2001;27:1232-7.
- 47) Lim MC, Doe EA, **Vroman DT**, Rosa RH, Parrish RK. Late Onset Lens Particle Glaucoma as a Consequence of Spontaneous Dislocation of an Intraocular Lens in Pseudoexfoliation Syndrome. Am J Ophthalmol 2001;123:261-3.
- 48) Solomon KD, Sandoval HP, Holzer MP, Kasper TJ, Vargas LG, Apple DJ, **Vroman DT**. Pathology for Refractive Surgery: A Major Review.
- 49) **Vroman DT**, Hutchinson AK, Saunders RA, Wilson ME. Two muscle surgery for congenital esotropia: rate of re-operation in patients with small versus large angles of deviation. Journal of AAPOS 2000; 4:267-70.
- 50) Kent AR, **Vroman DT**, Darby W, Hebert RL, Crosson CE. Interaction of pilocarpine with latanoprost in patients with glaucoma and ocular hypertension. Journal of Glaucoma 1999;8:257-62.

**Non Peer Reviewed Journal Articles:**

- 1) Fernández de Castro LE, Sandoval HP, Vroman DT, Solomon KD. Comparison of 5 fluoroquinolones in corneal wound healing rate in an animal model. In: Anti-infective highlights from the Association for Research in Vision and Ophthalmology (ARVO) and the American Society of Cataract and Refractive Surgery (ASCRS) 2005 Meetings. From the publishers of the Am J Ophthalmol. July 2005, Page 10.
- 2) Fernández de Castro LE, Sandoval HP, Vroman DT, Solomon KD. Prevention of Staphylococcus aureus endophthalmitis by topical gatifloxacin in a rabbit prophylaxis model. In: Anti-infective highlights from the Association for Research in Vision and Ophthalmology (ARVO) and the American Society of Cataract and Refractive Surgery (ASCRS) 2005 Meetings. From the publishers of the Am J Ophthalmol. July 2005, Page 27.

- 3) Solomon KD, Fernández de Castro LE, Sandoval HP, Vroman DT. Presbyopia IOLs: Development of reading test to evaluate functional vision. *Cataract & Refractive Surgery Today* (in press).
- 4) Vroman DT. Post-LASIK Infections: Detection and Treatment. *Refractive Eyecare* 2001; Vol. 5 12: 128.

### **Book Chapters/CD ROM**

1. **Vroman DT**, Fernández de Castro LE, Solomon KD. LASIK hinge location and dry eye. In: Garg A, Sheppard JD, Donnenfeld ED, Meyer D, Mehta CK, eds. *Clinical Diagnosis and Management of Dry Eye and Ocular Surface Disorders (Xero-Dacryology)*. 1<sup>st</sup> ed. New Delhi, India: Jaypee Brothers Medical Publishers (P) Ltd; 2006:286-293.
2. Holzer MP, **Vroman DT**, Solomon KD. Management von Flap Striae nach LASIK. In: *Kongressband 15<sup>th</sup> Congress DGII 2001*. Biermann Verlag Köln 295-7.
3. Holzer MP, Solomon KD, **Vroman DT**, Werner L, Peng Q, Apple DJ. Diffuse lamelläre Keratitis (DLK) nach LASIK: Ein experimentelles Tiermodell im Kaninchenauge. In: *Kongressband 15<sup>th</sup> Congress DGII 2001*. Biermann Verlag Köln 305-8.

### **Videos**

- 1) Solomon KD, Sandoval HP, **Vroman DT**. Centration and Tracking. ASCRS; San Francisco, CA, 2003.  
**FIRST PRIZE.**
- 2) Vargas LG, Solomon KD, Sandoval HP, Holzer MP, **Vroman DT**, Apple DJ. Endothelial Cell Integrity Following Phacoemulsification with Different Handpieces. XX Congress of the European Society of Cataract and Refractive Surgeons ESCRS. Nice, France. September 7-11, 2002.
- 3) Holzer MP, Solomon KD, Vargas LG, Sandoval HP, **Vroman DT**, Apple DJ. Phacoemulsification from a New Perspective, XX Congress of the European Society of Cataract Surgeons ESCRS. Nice, France. September 7-11, 2002.
- 4) Holzer MP, Solomon KD, Vargas LG, Sandoval HP, **Vroman DT**, Apple DJ (2002): Phacoemulsification from a New Perspective. 15th. Kongreß der Deutschen Ophthalmochirurgen (DOC). Nürnberg, Germany, June 13-16, 2002.
- 5) Vargas LG, Solomon KD, Sandoval HP, Holzer MP, Kasper TJ, **Vroman DT**. Endothelial cell integrity following Phacoemulsification with different hand pieces. American Society of Cataract and Refractive Surgery (ASCRS). Philadelphia, PA, USA. June 1-5, 2002.

- 6) Holzer MP, Solomon KD, Vargas LG, Sandoval HP, Kasper TJ, **Vroman DT**, Apple DJ. Phacoemulsification from a New Perspective. American Society of Cataract and Refractive Surgery (ASCRS). Philadelphia, PA, USA. June 1-5, 2002.
- 7) Holzer MP, Solomon KD, Vargas LG, Sandoval HP, **Vroman DT**, Apple D (2002): Phacoemulsification from a New Perspective. ASCRS, Philadelphia PA, 2002.
- 8) Vargas LG, Solomon KD, Sandoval HP, Holzer MP, **Vroman DT**, Apple DJ (2002): Endothelial Cell Integrity Following Phacoemulsification with Different Handpieces. ASCRS, Philadelphia PA, 2002.
- 9) Holzer MP, Solomon KD, Vargas LG, Sandoval HP, **Vroman DT**, Apple DJ. Phacoemulsification from a New Perspective. 106 American Academy of Ophthalmology (AAO) Meeting. Orlando, FL, USA 20-23.10.2002. **(Best of Show Award)**

### **Posters**

- 1) Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Correlation of pupil size with vision satisfaction after multifocal IOL implantation. 2007 Refractive Surgery Subspecialty Day Meeting of the International Society of Refractive Surgery of the American Academy of Ophthalmology (ISRS/AAO). New Orleans, LA, Nov 9 - 10, 2007.
- 2) Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. IOL power calculation after corneal refractive surgery. American Academy of Ophthalmology (AAO). New Orleans, LA, Nov 10 - 13, 2007.
- 3) Solomon KD, Fernández de Castro LE, **Vroman DT**. Functional vision in patients with multifocal IOLs. American Academy of Ophthalmology (AAO). New Orleans, LA, Nov 10 - 13, 2007.
- 4) Fernández de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. Prophylactic treatment of methicillin-resistant Staphylococcus aureus keratitis using fourth generation fluoroquinolones in a rabbit model. Association for Research in Vision and Ophthalmology (ARVO). Fort Lauderdale, FL, USA. May 6 - 10, 2007.
- 5) Fernández de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. NPReading Test to evaluate functional near vision. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Diego, CA, USA. April 28 – May 2, 2007.
- 6) Ying MS, **Vroman DT**, Solomon KD, Grice CM, Sandoval HP, Fernández de Castro LE. Overall outcomes and complications of Descemet's stripping automated endothelial keratoplasty. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Diego, CA, USA. April 28 – May 2, 2007.
- 7) Fernández de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. Effect of microkeratome blade oscillation on the smoothness of the corneal flap. 2006

Refractive Surgery Subspecialty Day Meeting of the International Society of Refractive Surgery of the American Academy of Ophthalmology (ISRS/AAO). Las Vegas, NV. November 10 – 11, 2006.

- 8) Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Effect of optical zone size on induction of high order aberration after myopic LASIK. 2006 Refractive Surgery Subspecialty Day Meeting of the International Society of Refractive Surgery of the American Academy of Ophthalmology (ISRS/AAO). Las Vegas, NV. November 10 – 11, 2006.
- 9) Solomon KD, Sandoval HP, Fernández de Castro LE, **Vroman DT**. NP reading test: A novel tool to evaluate functional near vision. American Academy of Ophthalmology (AAO). Las Vegas, NV, Nov 11 - 14, 2006.
- 10) Fernández de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. Mechanical vs. alcohol separation of the corneal epithelium. American Academy of Ophthalmology (AAO). Las Vegas, NV, Nov 11 - 14, 2006.
- 11) Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. A new instrument to evaluate functional near vision: the NPReading test (NPRT). European Society of Cataract and Refractive Surgery (ESCRS) Meeting. London, UK. Sept 9 - 13, 2006.
- 12) Fernández de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. Prevention of Staphylococcus Aureus endophthalmitis by topical gatifloxacin in a rabbit prophylaxis model. Association for Research in Vision and Ophthalmology (ARVO). Fort Lauderdale, FL, USA. April 30 - May 4, 2006.
- 13) Fernández de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. Prevention of Staphylococcus Aureus endophthalmitis by topical gatifloxacin in a rabbit prophylaxis model. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Francisco, CA, USA. March 17-22, 2006.
- 14) Solomon KD, Fernández de Castro LE, Desai NR, Halverson JT, **Vroman DT**, Sandoval HP. Quality of vision and reading performance. World Ophthalmology Congress (WOC). São Paulo, Brazil, Feb 19 - 24, 2006.
- 15) Sandoval HP, Hu DJ, Fernández de Castro LE, **Vroman DT**, Solomon KD. Comparison of phacoemulsification systems efficiency: Infinity vs. Legacy 20000 using Neosonix. World Ophthalmology Congress (WOC). São Paulo, Brazil, Feb 19 - 24, 2006.
- 16) Fernández de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. Mechanical vs. alcohol separation of the corneal epithelium: Effect on corneal flap smoothness. World Ophthalmology Congress (WOC). São Paulo, Brazil, Feb 19 - 24, 2006.
- 17) Fernández de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. Prevention of Staphylococcus aureus endophthalmitis by topical gatifloxacin in a rabbit prophylaxis

model. World Ophthalmology Congress (WOC). São Paulo, Brazil, Feb 19 - 24, 2006.

- 18) **Vroman DT**, Mistr S, Grossniklaus H, Stulting D. Treatment of epithelial downgrowth with intracameral 5-FU, pathologic and clinical outcomes. Academy of Ophthalmology, October 2005.
- 19) Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Results of the 2005 Refractive Surgery Survey. European Society of Cataract and Refractive Surgery (ESCRS) Meeting. Lisbon, Portugal. Sept 10 - 14, 2005.
- 20) Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Effect of microkeratome blade oscillation frequency on corneal flap smoothness. European Society of Cataract and Refractive Surgery (ESCRS) Meeting. Lisbon, Portugal. Sept 10 - 14, 2005.
- 21) Fernández de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. Prevention of Staphylococcus aureus endophthalmitis by topical gatifloxacin in a rabbit prophylaxis model. European Society of Cataract and Refractive Surgery (ESCRS) Meeting. Lisbon, Portugal. Sept 10 - 14, 2005.
- 22) Fernandez de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. Comparison of 5 fluoroquinolones on corneal wound healing rate in animal model. Meeting of the Association for Research in Vision and Ophthalmology (ARVO). Fort Lauderdale FL, USA. May 1 – 6, 2005.
- 23) Sandoval HP, Fernandez de Castro LE, **Vroman DT**, Solomon KD. Comparison of 04% Ketorolac Tromethamine Ophthalmic Solution vs 05% Ketorolac Tromethamine Ophthalmic Solution to Prevent Inflammation After Phacoemulsification and Intraocular Lens Implantation: A Prospective, Randomized, Double-Masked, Clinical Trial. Meeting of the Association for Research in Vision and Ophthalmology (ARVO). Fort Lauderdale, FL, USA. May 1 – 6, 2005.
- 24) Solomon KD, Sandoval HP, Fernandez de Castro LE, **Vroman DT**. Results of the 2005 Refractive Surgery Survey. 2005 Symposium & Congress. American Society of Cataract and Refractive Surgery. Washington, DC, USA. April 15 – 20, 2005.
- 25) Sandoval HP, Fernandez de Castro LE, **Vroman DT**, Solomon KD. Comparison of 5 fluoroquinolones on corneal wound healing rate in animal model. 2005 Symposium & Congress. American Society of Cataract and Refractive Surgery. Washington, DC, USA. April 15 – 20, 2005.
- 26) Sandoval HP, Fernandez de Castro LE, Al Sarraf O, Steed LL, **Vroman DT**, Solomon KD. Gatifloxacin 0.3% compared to Ciprofloxacin 0.3% to prevent Mycobacterial Keratitis in an animal model. XXV Pan-American Congress of Ophthalmology. Santiago, Chile. March 18 – 21, 2005.
- 27) Sandoval HP, Fernandez de Castro LE, **Vroman DT**, Solomon KD. Results of the

2004 Refractive Surgery Survey. XXV Pan-American Congress of Ophthalmology. Santiago, Chile. March 18 – 21, 2005.

- 28) Sandoval HP, Fernandez de Castro LE, **Vroman DT**, Solomon KD. Corneal Endothelial Cell Evaluation After Cataract Extraction Using the Fluid-based System vs. Conventional Ultrasound. 2004 American Academy of Ophthalmology (AAO) Meeting. New Orleans, LA, USA. October 23 – 26, 2004.
- 29) Solomon KD, Fernandez de Castro LE, **Vroman DT**, Sandoval HP. 2004 Refractive Surgery Survey. XII Congress of the European Society of Cataract and Refractive Surgeons (ESCRS). Paris, France. September 18-22, 2004.
- 30) Sandoval HP, Fernandez de Castro LE, Al Sarraf O, Steed LL, Brown SJ, **Vroman DT**, Solomon KD. Gatifloxacin 0.3% compared to Ciprofloxacin 0.3% to prevent Mycobacterial Keratitis in an animal model. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Diego, CA, USA. May, 2004.
- 31) Solomon KD, Sandoval HP, Fernandez de Castro LE, **Vroman DT**. Four years comparison of the Refractive Surgery Survey. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Diego, CA, USA. May, 2004.
- 32) Solomon KD, Fernandez de Castro LE, Sandoval HP, **Vroman DT**. 2004 Refractive Surgery Survey. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Diego, CA, USA. May, 2004.
- 33) Fernandez de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. Flap Dimension Accuracy of the IntraLase FS Laser. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Diego, CA, USA. May, 2004.
- 34) Fernandez de Castro LE, Sandoval HP, **Vroman DT**, Solomon KD. Corneal Endothelial Cell Loss after Lens Extraction Using the Fluid-based System Compared to Ultrasound Phacoemulsification. Meeting of the Association for Research in Vision and Ophthalmology (ARVO). Fort Lauderdale, FL, USA. April, 2004.
- 35) Sandoval HP, Fernandez de Castro LE, Al Sarraf O, Steed LL, Brown SJ, **Vroman DT**, Solomon KD. Gatifloxacin 0.3% compared to Ciprofloxacin 0.3% to prevent Mycobacterial Keratitis in an animal model. Meeting of the Association for Research in Vision and Ophthalmology (ARVO). Fort Lauderdale, FL, USA. April, 2004.
- 36) Solomon KD, Sandoval HP, Al Sarraf O, **Vroman DT**. Analysis of high order aberrations pre and post-LASIK evaluating 3 different aberrometer devices. American Academy of Ophthalmology. Anaheim, CA, USA. November, 2003.
- 37) Solomon KD, Sandoval HP, Al Sarraf O, **Vroman DT**. 2003 Refractive Surgery Survey. XXI Congress of the European Society of Cataract and Refractive Surgeons ESCRS. Munich, Germany. September, 2003.
- 38) Sandoval HP, Al Sarraf O, Steed LL, Brown SJ, **Vroman DT**, Solomon KD.



Comparison of Amikacin 2%, Ciprofloxacin 0.3% and Gatifloxacin 0.3% drops in treatment of mycobacterial keratitis in a rabbit model. XXI Congress of the European Society of Cataract and Refractive Surgeons ESCRS. Munich, Germany. September, 2003.

- 39) Solomon KD, Sandoval HP, Al Sarraf O, Bartholomew LR, **Vroman DT**. 2003 Refractive Surgery Survey. American Society of Cataract and Refractive Surgery (ASCRS). San Francisco, CA, USA. April 12-16, 2003.
- 40) Sandoval HP, Holzer MP, **Vroman DT**, Solomon, KD. Resultados Encuesta CirugiaRefractiva. Pan-American Association of Ophthalmology Congress. San Juan, PR, USA. March 28 – April 1, 2003.
- 41) Holzer MP, Sandoval HP, Vargas LG, **Vroman DT**, Apple DJ, Solomon KD. Ergebnisse des Refractive Surgery Survey 2002. 11. Jahrestagung der Gesellschaft der Augenärzte Sachsen-Anhalts und Thuringens (SATH 11). Erfurt, Deutschland, 02.-03.11.2002.
- 42) Holzer MP, Solomon KD, Sandoval HP, Vargas LG, Werner L, **Vroman DT**, Apple DJ. Ergebnisse des Refractive Surgery Survey 2002. 100 Congress German Society of Ophthalmology (DOG). Berlin, Germany. September 26-29, 2002.
- 43) Vargas LG, Apple DJ, Solomon KD, Werner L, Holzer MP, Sandoval HP, **Vroman DT**. Clinicopathological Correlation of Refractive Surgery Complications. XX Congress of the European Society of Cataract and Refractive Surgeons ESCRS. Nice, France. September 7-11, 2002.
- 44) Solomon KD, Holzer MP, Sandoval HP, Werner L, **Vroman DT**, Apple DJ. Results of the Refractive Surgery Survey 2002. XX Congress of the European Society of Cataract of Refractive Surgeons ESCRS. Nice France. September 7-11, 2002.
- 45) Sandoval HP, Crosson CE, Holzer MP, **Vroman DT**, Solomon KD. An experimental Evaluation of microkeratome cleaners. XX Congress of the European Society of Cataract and Refractive Surgeons ESCRS. Nice, France. September 7-11, 2002.
- 46) Holzer MP, Solomon KD, Sandoval HP, **Vroman DT**, Margaron P, Kasper TJ, Crosson CE (2002): Photodynamische Therapie von kornealer Neovaskularisation in einem experimentellen Tiermodell. Kongreß der Deutschen Ophthalmochirurgen (DOC). Nürnberg, Deutschland, June 13-16, 2002.
- 47) Vargas L, **Vroman DT**. Epithelial downgrowth after clear corneal cataract extraction. ASCRS, Philadelphia PA, 2002.
- 48) Holzer MP, Vargas LG, Werner L, Sandoval HP, Kasper TJ, **Vroman DT**, Apple DJ, Solomon KD (2002): Accession of Refractive Surgery Specimens at the Magill Research Center for Vision Correction: a Histopathological Review. ASCRS, Philadelphia, PA, 2002.

- 49) Holzer MP, Vargas LG, Sandoval HP, Kasper TJ, **Vroman DT**, Apple DJ, Solomon KD (2002): Animal Model to Investigate Corneal Flap Complications After LASIK. ASCRS, Philadelphia, PA, 2002.
- 50) Jacobs MS, Holzer MP, **Vroman DT**, Solomon KD. (2002): Corneal Findings After LASIK Imaged by Confocal Microscopy. ASCRS, Philadelphia, PA, 2002.
- 51) Solomon KD, Holzer MP, Sandoval HP, Vargas L, Werner L, Kasper TJ, **Vroman DT**, Apple DJ (2002): Results of the Refractive Surgery Survey 2002. ASCRS, Philadelphia PA, 2002.
- 52) Holzer MP, Solomon KD, Werner L, Vargas LG, Sandoval HP, Kasper TJ, **Vroman DT**, Apple DJ. Komplikationen nach refraktiver Chirurgie: Histopathologische Untersuchungsergebnisse. Kongreß der Deutschsprachigen Gesellschaft für Intraokularlinsen-Implantation und Refraktive Chirurgie (DGII), Heidelberg, Deutschland, December 2002.
- 53) Holzer MP, Solomon KD, Sandoval HP, **Vroman DT**, Margaron P, Kasper TJ, Crosson CE. Photodynamic Therapy with Verteporfin for Corneal Neovascularization in a Rabbit Model. Association for Research in Vision and Ophthalmology (ARVO). Fort Lauderdale, FL, May 2002.
- 54) Solomon KD, Holzer MP, Sandoval HP, Vargas LG, Kasper TJ, **Vroman DT**, Apple DJ. Postoperative Prophylactic Treatment for Diffuse Lamellar Keratitis: An Experimental Animal Model. Association for Research in Vision and Ophthalmology (ARVO). Fort Lauderdale, FL, May 2002.
- 55) Sandoval HP, Holzer MP, Crosson CE, Kasper TJ, **Vroman DT**, Werner L, Apple DJ, Solomon KD. Evaluating Microkeratome Cleaning Soaps. Association for Research in Vision and Ophthalmology (ARVO). Fort Lauderdale, FL, May 2002.
- 56) Holzer MP, Solomon KD, Werner L, Vargas LG, Sandoval HP, Kasper TJ, **Vroman DT**, Apple DJ. Komplikationen nach refraktiver Chirurgie: Histopathologische Untersuchungsergebnisse. 16. Kongreß der Deutschsprachigen Gesellschaft für Intraokularlinsen-Implantation und Refraktive Chirurgie (DGII), Heidelberg, Deutschland, 22.-23.02.2002.
- 57) Solomon KD, Holzer MP, Sandoval HP, Vargas LG, Werner L, **Vroman DT**, Kasper TJ, Apple DJ. Refractive Surgery Survey 2001. American Society of Cataract and Refractive Surgery, Congress San Diego, CA, May 2001.
- 58) Solomon KD, Holzer MP, Sandoval H, Vargas LG, **Vroman DT**, Werner L, Apple DJ. Results of the Refractive Surgery Survey 2001: Part II. American Society of Cataract and Refractive Surgery (ASCRS). San Diego, CA, May 2001.
- 59) Solomon KD, Holzer MP, Sandoval H, Vargas LG, **Vroman DT**, Werner L, Apple DJ. Results of the Refractive Surgery Survey 2001: Part III. American Society of Cataract and Refractive Surgery (ASCRS). San Diego, CA, May 2001.

- 60) Holzer MP, Solomon KD, **Vroman DT**, Werner L, Peng Q, Apple DJ. Diffuse Lamelläre Keratitis: Ein experimentelles Tiermodell. 14. Kongreß der Deutschen Ophthalmochirurgen (DOC). Nürnberg, Deutschland, May 2001. Third Place Prize.
- 61) Solomon KD, Holzer MP, Sandoval H, Jacobs M, Vargas LG, **Vroman DT**, Werner L, Apple DJ. Refractive surgery survey 2001: Practice patterns of laser in situ keratomileusis. European Society of Cataract and Refractive Surgeons (ESCRS). Amsterdam, Netherlands, May 2001.
- 62) Holzer MP, Vargas LG, Sandoval HP, Kasper TJ, **Vroman DT**, Apple DJ, Solomon KD. Etiologies and Treatment Options for Diffuse Lamellar Keratitis: An Experimental Animal Study. International Society of Refractive Surgery (ISRS) Fall Refractive Symposium. New Orleans, LA, November 2001.
- 63) Sandoval HP, Solomon KD, Crosson CE, Holzer MP, Kasper TJ, **Vroman DT**, Apple DJ. Evaluation of Microkeratome Cleaners: What to Use? Poster International Society of Refractive Surgery (ISRS) Fall Refractive Symposium. New Orleans, LA, November 2001.
- 64) Holzer MP, Solomon KD, Vargas LG, Sandoval HP, **Vroman DT**, Peng Q, Apple DJ. Etiologies and Treatment Options for Diffuse Lamellar Keratitis (DLK) after LASIK. American Academy of Ophthalmology (AAO). New Orleans, LA, November 2001.
- 65) **Vroman DT**, Hutchinson AK, Wilson ME, Saunders RA. Two muscle surgery for congenital esotropia: rate of re-operation in patients with small versus large angles of deviation. AAPOS, Palm Springs 1999.
- 66) **Vroman DT**, Kent A, Darby W. Interaction of pilocarpine with latanoprost in patients with glaucoma and ocular hypertension. Poster presentation, AAO, San Francisco, CA, October 1997.

## **CONTINUING MEDICAL EDUCATION:**

### **COURSES**

<p>Astigmatism and Limbal Relaxing Incision Wet Lab, ASCRS, San Diego 2015          Endothelial Keratoplasty Course – DMEK, AAO, Chicago, 2014          Endothelial Keratoplasty Wet Lab, AAO, Chicago, 2014          Surgical Management of Astigmatism, AAO, Chicago, 2014          Limbal Relaxing Incisions, ASCRS, Boston, 2014          Astigmatism and Limbal Relaxing Incision Wet Lab, AAO, New Orleans, 2013          Surgical Management of Astigmatism, AAO, New Orleans, 2013          Endothelial Keratoplasty Course, AAO, New Orleans, 2013          Endothelial Keratoplasty Wet Lab, AAO, New Orleans, 2013          Glue IOL Course. ASCRS, Chicago, 2012          Endothelial Keratoplasty Course, AAO, Chicago, 2012          Endothelial Keratoplasty Wet Lab, AAO, Chicago, 2012</p>
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Astigmatism and Limbal Relaxing Incision Wet Lab, AAO, Chicago, 2012
Surgical Management of Astigmatism, AAO, Chicago, 2012
Glue IOL Course. ASCRS San Diego, CA 2011
Astigmatism and Limbal Relaxing Incision Wet Lab, AAO, Chicago 2010.
Surgical Management of Astigmatism, AAO, Chicago 2010.
DSAEK Course. Fort Worth, TX. Alcon Wet Lab and Lectures. November 2010.
Astigmatism and Limbal Relaxing Incision Wet Lab, AAO, 2009.
Surgical Management of Astigmatism, AAO, 2009.
Cataract Surgery Symposium for Young Ophthalmologists, ASCRS, San Fran, CA 2009.
DSAEK Course. Fort Worth, TX. Alcon Wet Lab and Lectures. September 2009.
Astigmatism and LRI Wet Lab, AAO, Atlanta, GA 2008.
Surgical Management of Astigmatism, AAO, Atlanta, GA 2008.
DSAEK Course. Fort Worth, TX. Alcon Wet Lab and Lectures. August 2008.
Astigmatism and Limbal Relaxing Incision Wet Lab, AAO, New Orleans, LA 2007.
Surgical Management of Astigmatism, AAO, New Orleans, LA 2007.
DSAEK Course. Fort Worth, TX. Alcon Wet Lab and Lectures. August 2007.
Phacoemulsification Wet Lab. AAO, New Orleans, LA, October 2004.
Phacoemulsification Wet Lab. AAO, Orlando, FL, November 2002.
Phacoemulsification Wet Lab. AAO, New Orleans, LA, November 2001.
Phacoemulsification Wet Lab. AAO, Dallas, TX, November 2000.

## **MEETING DIRECTOR**

Co-Founder of the Southeastern Cataract, Cornea, and Refractive Surgery Meeting  
 Duke University 2004  
 Course Director for MUSC/SEI meeting 3/5/05  
 Emory 2006  
 Bascom Palmer 2007  
 Wake Forest 2008  
 MUSC/SEI 2009

Cornea Day- Program member and session moderator  
 ASCRS 2012 Boston  
 ASCRS 2013 San Francisco

## **LECTURES AND PRESENTATIONS**

### **INVITED LECTURES:**

- 1) **Vroman DT.** Interactive Cornea. Ocular Surgery News Kiawah Meeting. Kiawah, SC. June 2015

- 2) **Vroman DT.** Pardon the Ophthalmology, panelist. Cornea Clinical Committee Symposium. American Society of Cataract and Refractive Surgery. San Diego, CA. May 2015
- 3) **Vroman DT.** Interactive Cornea. Ocular Surgery News Kiawah Meeting. Kiawah, SC. June 2014.
- 4) **Vroman DT.** Versatility in Endothelial Keratoplasty. Storm Eye Institute Spring Update. Charleston, SC. April 2014.
- 5) **Vroman DT.** Pardon the Ophthalmology, panelist. Cornea Clinical Committee Symposium. American Society of Cataract and Refractive Surgery. Boston, MA. April 2014.
- 6) **Vroman DT.** Epithelium Off Collagen Crosslinking. Collagen Crosslinking Symposium. American Society of Cataract and Refractive Surgery. Boston, MA. April 2014.
- 7) **Vroman DT.** Lens Based Astigmatism Correction. Duke Controversies in Cornea and Cataract Surgery Meeting. Durham, NC. February 2014.
- 8) **Vroman DT.** DMEK. Duke Controversies in Cornea and Cataract Surgery Meeting. Durham, NC. February 2014.
- 9) **Vroman DT.** Secondary Intraocular Lens Fixation Techniques. Duke Controversies in Cornea and Cataract Surgery Meeting. Durham, NC. February 2014.
- 10) **Vroman DT.** Interactive Cornea. Ocular Surgery News Kiawah Meeting. Kiawah, SC. June 2013.
- 11) **Vroman DT.** Pardon the Ophthalmology, panelist. Cornea Clinical Committee Symposium. American Society of Cataract and Refractive Surgery. San Francisco, CA. April 2013.
- 12) **Vroman DT.** ASCRS Town Hall Meeting on Corneal Surgery. American Society of Cataract and Refractive Surgery. San Francisco, CA. April 2013.
- 13) **Vroman DT.** Intrasceral Fixation Without Sutures. Georgia Society of Ophthalmology. Hilton Head, SC. May 2012.
- 14) **Vroman DT.** Cornea Considerations Prior to Cataract Surgery. Georgia Society of Ophthalmology. Hilton Head, SC. May 2012.
- 15) **Vroman DT.** Endothelial Keratoplasty- DMEK, DSAEK and Special Considerations. Georgia Society of Ophthalmology. Hilton Head, SC. May 2012.

- 16) **Vroman DT.** Lamellar Keratoplasty: DALK, DSEK, and DMEK. Cornea Clinical Committee Highlights. ASCRS. Chicago 2011.
- 17) **Vroman DT.** ASCRS Town Hall on Corneal Surgery. ASCRS. Chicago 2011.
- 18) **Vroman DT.** Managing Irregular Astigmatism Before Cataract Surgery. Ocular Surgery News Kiawah Meeting. June 2011.
- 19) **Vroman DT.** Interactive Cornea. Ocular Surgery News Kiawah Meeting. June 2011.
- 20) **Vroman DT.** DMEK- Is It Ready for Prime Time? Cornea Day. American Society of Cataract and Refractive Surgery. San Diego, CA. April 2011.
- 21) **Vroman DT.** Managing Dislocated IOLs Using Adhesives. Ocular Surgery News NY Meeting. New York, New York. November 2010.
- 22) **Vroman DT.** Interactive Cornea. American Society of Cataract and Refractive Surgery – Storm Eye Update Meeting. June 2010.
- 23) **Vroman DT.** Fundamentals of DSAEK. JCAHPO. ASCRS – Storm Eye Update Meeting. June 2010.
- 24) **Vroman DT.** DSAEK for the Cataract Surgeon. North Carolina/South Carolina Ophthalmology Meeting. Myrtle Beach, SC. Sept 2009.
- 25) **Vroman DT.** Managing Fuchs’ in the Setting of Cataract Surgery. Cornea Day. American Society of Cataract and Refractive Surgery. San Francisco, CA April 2009.
- 26) **Vroman DT.** Fundamentals of DSAEK. JCAHPO. ASCRS – Storm Eye Update Meeting. June 2008.
- 27) **Vroman DT.** Introduction and Standard Folding Technique. Cornea Day. American Society of Cataract and Refractive Surgery. Chicago, IL. April 2008.
- 28) **Vroman DT.** Factors Affecting Donor Adhesion in DSAEK. Moria. American Academy of Ophthalmology, New Orleans, LA. November 2007.
- 29) **Vroman DT.** Interactive Cornea. ASCRS - Storm Eye Update Meeting. June 2007.
- 30) **Vroman DT.** Laser Surgery after Multifocal IOL Implantation. Current Concepts in Ophthalmology. Vail, CO. March 2007.
- 31) **Vroman DT.** DSAEK: Technique and Outcomes. Current Concepts in Ophthalmology. Vail, CO. March 2007.

- 32) **Vroman DT.** How DSAEK Affects the Cataract Surgeon. Current Concepts in Ophthalmology. Vail, CO. March 2007.
- 33) **Vroman DT.** Interactive Cornea. Storm Eye Update Meeting. June 2006.
- 34) **Vroman DT.** Torsional Phacoemulsification. Alcon Booth. American Society of Cataract and Refractive Surgery. San Francisco, CA, March 2006.
- 35) **Vroman DT.** Lamellar Dissection. National Eye Institute: VISION Public Information Network Annual Meeting. Charleston, SC. March 8 2006.
- 36) **Vroman DT.** Alternatives to Traditional Phacoemulsification. Wilmer Updates Meeting. Dorado, Puerto Rico. February 2006.
- 37) **Vroman DT.** Pearls for Multifocal Intraocular Lenses. Wilmer Updates Meeting. Dorado, Puerto Rico. February 2006.
- 38) **Vroman DT.** Advances in Ophthalmology. South Carolina Family and Community Leaders. October 2005.
- 39) **Vroman DT.** Interactive Cornea. Storm Eye Update Meeting. June 2005.
- 40) **Vroman DT.** Ophthalmic Manifestations of Rheumatic Diseases. Rheumatology Update Meeting. Charleston, SC April 2005.
- 41) **Vroman DT.** Advances in Refractive Surgery. South Carolina Medical Association. Hilton Head, SC. May 2005.
- 42) **Vroman DT.** Infectious Keratitis. ASORN, Storm Eye Update Meeting. June 2004.
- 43) **Vroman DT.** Interactive Cornea. Storm Eye Update Meeting. June 2004.
- 44) **Vroman DT.** Primary Care Ophthalmology. Office Practice of Primary Care Medicine, Charleston, SC, April 2004.
- 45) **Vroman DT.** Primary Care Ophthalmology. Family Medicine Department, MUSC, March 2004.
- 46) **Vroman DT.** Ophthalmic Microbiology. Southeast Association of Clinical Microbiology. Athens, GA, November 8, 2003.
- 47) **Vroman DT.** Advances in Anterior Segment Surgery. Columbia Medical Society. Columbia, SC, October 27, 2003.
- 48) **Vroman DT.** Management of the Red Eye. Internal Medicine Department, Medical University of South Carolina. October 2003.

- 49) **Vroman DT**. Update in Ophthalmology. South Eastern Family Practice Update. Kiawah, SC, June 2003.
- 50) **Vroman DT**. Primary Care Ophthalmology. Office Practice of Primary Care Medicine, Charleston, SC, March 2003.
- 51) **Vroman DT**. Ophthalmic Manifestations of Systemic Disease. Internal Medicine Department, Medical University of South Carolina. February 2003.
- 52) **Vroman DT**. Infections after Refractive Surgery. JCAHPO, Orland, FL, November, 2002.
- 53) **Vroman DT**. Management of the Red Eye. Internal Medicine Department, Medical University of South Carolina. October 2002.
- 54) **Vroman DT**. Update in Ophthalmology. South Eastern Family Practice Update. Kiawah, SC, June 2002.
- 55) **Vroman DT**. Excimer Laser. Laser Safety Course. MUSC, April 2002.
- 56) **Vroman DT**. Infections after Refractive Surgery. Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO), New Orleans, November 2001.
- 57) **Vroman DT**. Ophthalmic Manifestations of Rheumatic Disorders. Department of Rheumatology, Medical University of South Carolina. August 2001.
- 58) **Vroman DT**. Update and Advances in Ophthalmology. South Eastern Family Practice Update. Kiawah, SC, June 2001.
- 59) **Vroman DT**, Solomon KD. Cataract Surgery: Techniques, Advances, and Management of Difficult Cases. ASORN Meeting, Charleston, SC, June 6, 2001.
- 60) **Vroman DT**. Innovations in Corneal Transplantation. South Carolina Medical Association. April 2001.
- 61) **Vroman DT**. Infection control in refractive surgery. JCAHPO, Dallas, TX November 2000.
- 62) **Vroman DT**. Update and Advances in Ophthalmology. South Eastern Family Practice Update. Kiawah, SC, June 10, 1999.
- 63) **Vroman DT**, Solomon KD, Whiteside SB. Cataract Surgery: Techniques, Advances, and Management of Difficult Cases. ASORN Meeting, Charleston, SC, June 6, 1999.
- 64) **Vroman DT**, Skoog E. The Expanding role of Non-Steroidal Anti-Inflammatory Agents. JCAHPO, New Orleans, October 1998.



## SUBMITTED LECTURES:

- 1) **Vroman DT.** Scleral Lens Fixation in the Absence of Iris or Capsular Support. Southeastern Cataract, Cornea and Refractive Surgery Conference. Kiawah 2011.
- 2) French J, **Vroman DT.** Treatment of Interface Epithelium after DSAEK. Southeastern Cataract, Cornea and Refractive Surgery Conference. Kiawah 2011.
- 3) **Vroman DT.** DMEK- When and Where. Southeastern Cataract, Cornea and Refractive Surgery Conference. Kiawah 2010.
- 4) **Vroman DT.** Management of malpositioned multifocal IOLs. . Southeastern Cataract, Cornea and Refractive Surgery Conference, Miami, FL, May 2006.
- 5) **Vroman DT.** DSAEK in Failed Corneal Transplants. Southeastern Cataract, Cornea and Refractive Surgery Conference, Atlanta, GA, April 2006.
- 6) **Vroman DT.** New Functional Near Vision Assessment Test. American Society of Cataract and Refractive Surgery. San Francisco, CA, March 2006. *Best Paper of Session.*
- 7) **Vroman DT.** Complex Descemet's Stripping Endothelial Keratoplasty. DSAEK Users Group Meeting. American Society of Cataract and Refractive Surgery. San Francisco, CA, March 2006.
- 8) **Vroman DT.** Near Visual Acuity and Reading Speed with the ReSTOR intraocular lens. ASCRS, Washington, DC, April 2005.
- 9) **Vroman DT.** Contrast Sensitivity after LASIK. ASCRS, Washington, DC, April 2005.
- 10) **Vroman DT.** Quality of life analysis of near vision after implantation of an Acrysof ReSTOR IOL. 2005 Symposium & Congress. American Society of Cataract and Refractive Surgery. Washington, DC, USA. April 2005.
- 11) **Vroman DT.** Cerclage Pupilloplasty. Southeastern Cataract, Cornea and Refractive Surgery Conference, Charleston, SC, April 2005.
- 12) **Vroman DT.** Quality of Life and Reading Speed with the AcrySof Restor. ASCRS, San Diego, CA, May 2004.
- 13) **Vroman DT.** Epithelial Downgrowth after Clear Cornea Cataract Surgery. SouthEast Cataract, Cornea and Refractive Surgery Conference, Durham, NC, March 2004.
- 14) **Vroman DT.** Advances in Lamellar Keratoplasty. South Carolina Spring Update Meeting. Kiawah, SC, May 2003.

- 15) **Vroman DT.** Factors Affecting Higher Order Abberations. ASCRS, San Francisco, CA, May 2003.
- 16) **Vroman DT.** Flap Thickness Consistency and Complication Rates with the Amadeus Microkeratome. ASCRS, San Francisco, CA, May 2003.
- 17) **Vroman DT.** PDT for Corneal Neovasculariztion. ASCRS, Philadelphia, PA, June 2002. **Best Paper of Session.**
- 18) **Vroman DT.** Dry Eye and Hinge Position after LASIK. ASCRS, Philadelphia PA, June 2002. **Best Paper of Session.**
- 19) **Vroman DT.** LASIK Infections. South Carolina Spring Update Meeting. Kiawah, SC, May 2002.
- 20) **Vroman DT.** LASIK from an external disease perspective. South Carolina Spring Meeting, June 2001.
- 21) **Vroman DT.** New Modalities for the treatment of CIN. South Carolina Spring Meeting, June 2001.
- 22) **Vroman DT.** IOL Calculations after Refractive Surgery. South Carolina Spring Meeting, June 2001.
- 23) **Vroman DT, Karp CL.** Infections after LASIK. ASCRS, Boston, MA, May 2000.
- 24) **Vroman DT.** Flap melt after LASIK. Cornea and External Disease Academic Society, ARVO, Fort Lauderdale, FL, May 2000.
- 25) **Vroman DT, Solomon KD.** Evaluation of the Hanna trephine system. Castroviejo Cornea Society, Orlando, FL, October 23, 1999. South Carolina Spring Meeting, June 1999.
- 26) **Vroman DT, Hutchinson AK, Wilson ME, Saunders RA.** Two muscle surgery for congenital esotropia: rate of re-operation in patients with small versus large angles of deviation. South Carolina Spring Meeting, May 1998.
- 27) **Vroman DT, Kent A, Darby W.** Interaction of pilocarpine with latanoprost in patients with glaucoma and ocular hypertension. Poster presentation, AAO, San Francisco, CA, October 1997. South Carolina Spring Meeting, May 1997.

**Presentations (author or contributing author):**

1. Neff KD, Fernández de Castro LE, Sandoval HP, Solomon KD, **Vroman DT.** Effect of Iris Registration on the Outcomes of Wavefront-Guided LASIK. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. Chicago, IL, USA. April 4 – 9, 2008.

2. Biber JM, Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Posterior Capsule Opacification Rates and Visual Significance with Presbyopia-Correcting IOLs. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. Chicago, IL, USA. April 4 – 9, 2008.
3. Ying MS, Groat BJ, **Vroman DT**, Solomon KD, Grice CM, Sandoval HP, Fernández de Castro LE. Descemet-Stripping Automated Endothelial Keratoplasty Versus Penetrating Keratoplasty. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. Chicago, IL, USA. April 4 – 9, 2008.
4. Groat BJ, Ying MS, **Vroman DT**, Solomon KD, Fernández de Castro LE, Sandoval HP. Laser in Situ Keratomileusis and PRK for Residual Refractive Error After Multifocal IOL Implantation. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. Chicago, IL, USA. April 4 – 9, 2008.
5. Groat BJ, Ying MS, **Vroman DT**, Sandoval HP, Fernández de Castro LE. Donor tissue qualities affecting refloat rates following Descemet-stripping automated endothelial keratoplasty. American Academy of Ophthalmology (AAO). New Orleans, LA, Nov 10 - 13, 2007.
6. Neff KD, Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. A model for corneal registration using the Pentacam. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Diego, CA, USA. April 28 – May 2, 2007.
7. Solomon KD, Fernández de Castro LE, Sandoval HP, **Vroman DT**. Importance of iris registration, effect of cyclotorsion and pupil centroid shift in refractive outcomes after wavefront-guided myopic LASIK. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Diego, CA, USA. April 28 – May 2, 2007.
8. Sandoval HP, Fernández de Castro LE, **Vroman DT**, French J, Solomon KD. Visual satisfaction after multifocal IOL implantation. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Diego, CA, USA. April 28 – May 2, 2007.
9. Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Accuracy of the Pentacam to calculate the effective corneal power after corneal refractive surgery. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Diego, CA, USA. April 28 – May 2, 2007.
10. Solomon KD, Fernández de Castro LE, **Vroman DT**, Sandoval HP. Mix and match vs. bilateral implantation of a diffractive multifocal IOL. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Diego, CA, USA. April 28 – May 2, 2007.
11. Hu DJ, Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Complication rates in routine phacoemulsification performed by residents from July

2000 through July 2005. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Francisco, CA, USA. March 17-22, 2006.

12. Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Comparison of visual outcomes, wavefront analysis, and contrast sensitivity after cataract extraction between SA60AT and SN60WF IOLs. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Francisco, CA, USA. March 17-22, 2006.
13. Solomon KD, Fernández de Castro LE, Sandoval HP, Mackool RJ, **Vroman DT**. Performance of the Infiniti system: Torsional vs. conventional phacoemulsification handpieces. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Francisco, CA, USA. March 17-22, 2006. Best Paper of Session.
14. **Vroman DT**, Sandoval HP, Fernández de Castro LE, Halverson JT, Solomon KD. New functional near-vision assessment test. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Francisco, CA, USA. March 17-22, 2006. Best Paper of Session.
15. Neff KD, Sandoval HP, Fernández de Castro LE, **Vroman DT**, Solomon KD. Incidence and risk factors associated with intraoperative Floppy-Iris Syndrome. American Society of Cataract and Refractive Surgery (ASCRS) Meeting. San Francisco, CA, USA. March 17-22, 2006.
16. Solomon KD, Fernández de Castro LE, Sandoval HP, **Vroman DT**. Assessing the impact of cyclotorsional rotation and pupil centroid shift on laser vision correction outcomes. European Society of Cataract and Refractive Surgery (ESCRS) Meeting. London, UK. Sept 9 - 13, 2006.
17. Sandoval HP, Fernández de Castro LE, Solomon KD, **Vroman DT**. Surgical outcomes: Descemet's stripping automated endothelial keratoplasty (DSAEK) vs. penetrating keratoplasty (PKP). European Society of Cataract and Refractive Surgery (ESCRS) Meeting. London, UK. Sept 9 - 13, 2006.
18. Sandoval HP, Hu DJ, Fernández de Castro LE, **Vroman DT**, Solomon KD. The effect of fluoroquinolones in corneal wound healing rate in a rabbit model. World Ophthalmology Congress (WOC). São Paulo, Brazil, Feb 19 - 24, 2006.