

## CURRICULUM VITAE

R. Wayne Bowman, M.D.

### ADDRESS:

Work: Department of Ophthalmology  
The University of Texas Southwestern Medical Center at Dallas  
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Dallas, TX 75390-9057  
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### EDUCATION:

<i>Date</i>	<i>Institution</i>	<i>Degree Received</i>
1972	University of Missouri - Columbia Columbia, Missouri	B.A. (with Honors)
1976	University of Missouri Medical School Columbia, Missouri	M.D.

### INTERNSHIP:

1976 - 1977 University of Missouri Medical School  
Columbia, Missouri  
Internal Medicine

### RESIDENCY:

1977 - 1979 University of Missouri Medical School  
Columbia, Missouri  
Internal Medicine

Chairman: Charles Mengel, M.D.  
References: Martin Alpert, M.D.  
Greg Flaker, M.D.

1979 - 1982 University of Missouri Medical School  
Columbia, Missouri  
Ophthalmology

Chairman: Robert P. Burns, M.D.  
References: Joseph Giangiacomo, M.D.  
Carl Ide, M.D.

### POSTGRADUATE TRAINING:

1979 Lancaster Course in Ophthalmology

**FELLOWSHIP:**

1982 - 1984            University of Texas Health Science Center at Houston  
Corneal and External Disease  
Preceptor: Jeffrey D. Lanier, M.D.

**TEACHING APPOINTMENTS:**

1983 - 1984            Clinical Instructor  
University of Texas Health Science Center at Houston

1984 - 1991            Assistant Professor  
The University of Texas Southwestern Medical Center at Dallas  
Southwestern Medical School  
Department of Ophthalmology

1991 - 1999            Associate Professor  
The University of Texas Southwestern Medical Center at Dallas  
Southwestern Medical School  
Department of Ophthalmology

1999 - 2000            Associate Professor, Irene Wadel and Robert I. Atha Professorship in  
Ophthalmology in Honor of R. Wayne Bowman, M.D.

2000 - present        Professor, Irene Wadel and Robert I. Atha Professorship in Ophthalmology in  
Honor of R. Wayne Bowman, M.D.

**OTHER APPOINTMENTS AND ACTIVITIES:**

1984 - 1990            Pharmacy and Therapeutics Committee, Parkland Memorial Hospital, Dallas,  
Texas

1986 - 1999            Faculty Advisory Council, Aston Ambulatory Care Center, The University of  
Texas Southwestern Medical Center at Dallas, Dallas, Texas

1989 - 1995            Operations Subcommittee, Aston Ambulatory Care Center, The University of  
Texas Southwestern Medical Center at Dallas

1989 - present        Faculty Senate - The University of Texas Southwestern Medical Center at  
Dallas

1991 - 1992            President, Faculty Senate - The University of Texas Southwestern Medical  
Center at Dallas

1991 - 1992            Faculty Council - The University of Texas Southwestern Medical Center at  
Dallas

Other Appointments and Activities (cont.)

1991 - 1997	Medical Advisory Board of Transplant Services Center, The University of Texas Southwestern Medical Center at Dallas
1994 - 1997	Zale Lipshy University Hospital - Physicians' Practice Committee
1993	Zale Lipshy University Hospital Medical Advisory Board
1993	Clinical Council - The University of Texas Southwestern Medical Center at Dallas
1996	UT Health Systems - Systems and Service Quality Improvement Committee
1996	Zale Lipshy University Hospital Laser Center for Vision - Board of Directors
1997	Six-Year Clinical Planning Committee - The University of Texas Southwestern Medical Center at Dallas
1999	Faculty Tribunal Panel - The University of Texas Southwestern Medical Center at Dallas

**LICENSURE:**

Missouri - R9204 (inactive)

Texas - G1861

**CLINICAL INVESTIGATOR:**

Surgidev - *inactive*  
Pharmacia Ophthalmics, Inc. - *inactive*  
Precision Cosmet - *inactive*  
IOLAB Intraocular - *inactive*  
American Medical Optics (IOL's and epikeratophakia) - *inactive*  
Alcon Laboratories, Inc. - *active*  
Ioptex Research, Inc. - *inactive*  
Cryooptics (epikeratophakia) - *inactive*  
Allergan Pharmaceuticals - *active*  
Meditec Laser - *inactive*  
VISX - *active*

**CLINICAL STUDIES:**

Visx C-CAP (HDE)  
Sucampo in treatment of bacterial conjunctivitis  
Alcon Tears Comparison after LASIK  
Alcon Nerve Fiber Layer Analysis after LASIK  
Visx-LASIK Mixed Astigmatism  
Visx-LASIK Hyperopia with Astigmatism  
Visx-PRK Hyperopia with Astigmatism  
Visx- 24 mo post marketing for PRK Hyperopia  
Visx- PRK Hyperopia  
Fibronectin in the treatment of non-healing corneal epithelial defects.  
Ciprofloxacin in the treatment of bacterial corneal ulcers.  
Ciprofloxacin in the treatment of bacterial conjunctivitis.  
Suprofen in the treatment of giant papillary conjunctivitis.  
Carbomer ophthalmic gel in the treatment of dry eyes.  
Flurbiprofen in the treatment of corneal trauma and corneal pain.  
Propamidine treatment of Acanthamoeba keratitis.  
Achromycin ointment in the treatment of blepharitis and blepharoconjunctivitis  
Wound healing in radial keratotomy patients.

**SOCIETY MEMBERSHIPS:**

American Academy of Ophthalmology  
Dallas County Medical Society  
Dallas Academy of Ophthalmology  
Texas Medical Association  
Texas Ophthalmological Association  
Association for Research in Vision and Ophthalmology  
Ocular Microbiology and Immunology Study Group  
Fellow, American College of Surgeons (1990 - 1996)  
Tarrant County Ophthalmology Society  
American Association of Cataract and Refractive Surgery  
Contact Lens Association of Ophthalmologists

**OTHER EXPERIENCE:**

Chief Resident, Department of Ophthalmology  
University of Missouri Medical School  
Columbia, Missouri  
March 1981 - June 1981

Clinical Director, Eye Trauma Center  
The University of Texas Southwestern Medical Center  
1985 - present

Director of Inpatient Services  
Parkland Memorial Hospital  
1986 - 1990

**TEACHING:**

Medical Students: Introduction to Clinical Medicine  
First and Second Year: 1979, 1981, 1982  
University of Missouri Medical School, Columbia, Missouri

Ophthalmology Block, Third and Fourth Years, 1980 - 1982  
University of Missouri Medical School, Columbia, Missouri

Residents: Ophthalmology Basic and Clinical Science Course  
General Medical Care Problems: 1981 - 1982  
University of Missouri Medical School, Columbia, Missouri

Cornea and External Disease Clinic and Rounds, 1982 - 1984  
University of Texas Health Science Center at Houston, Houston, Texas

Cornea and External Disease Clinic, 1984 - present  
The University of Texas Southwestern Medical Center at Dallas,  
Dallas, Texas

Cornea and External Disease Clinic, 1984 - present  
Childrens Medical Center, Dallas, Texas

Cornea and External Disease Clinic, 1984 - 2000  
Veterans Affairs Medical Center, Dallas, Texas

Operating Room Nurse Internship Program

Parkland Memorial Hospital, Dallas, Texas  
Cataract Surgery - 1987 - 1990

Teaching (cont.)

Operating Room Nurse Internship Program  
Zale Lipshy University Hospital, Dallas, Texas  
Cataract Surgery - 1990

VISX Excimer Laser Training Program, 1996 - present

Serva Ophthalmology Course - Cataract Surgery  
Course Director - 1997 - 1998

Chiron Microkeratome Certified Trainer - 1996 - present

Moria Microkeratome Certified Trainer – 1999

**BOARD CERTIFICATION:**

Diplomate, American Academy of Ophthalmology, 06/07/86

**HONORS:**

- Outstanding Achievement as an Intern: 1976 - 1977
- Outstanding Achievement as a Resident: 1977-78; 1978-79  
Department of Internal Medicine  
University of Missouri School of Medicine, Columbia, Missouri
- Fellow, American Board of Ophthalmology, 1986
- Fellow, American College of Surgeons, 1990
- Irene Wadel and Robert I. Atha Professorship in Ophthalmology in Honor of R. Wayne Bowman, M.D., 1999
- Listed in “Best Doctors in Dallas” by *D Magazine*, 2003.
- Listed in “Best Doctors in Dallas” by *D Magazine*, 2004
- Listed in “Best Doctors in Dallas” by *D Magazine*, 2005
- Listed in “Best Doctors in Dallas” by *D Magazine*, 2006
- Listed in “Best Doctors in Dallas” by *D Magazine*, 2007
- Listed in “Best Doctors in Dallas” by *D Magazine*, 2008
- Qualified and Listed in the Trusted LASIK Surgeons Directory, a LASIK and refractive surgeon directory service that screens surgeons based on research, experience and premier patient care.

**HOSPITAL STAFF APPOINTMENTS:**

1983 - 1984	Hermann Hospital, Houston, Texas
1984 - present	Parkland Memorial Hospital, Dallas, Texas John Peter Smith Hospital, Fort Worth, Texas St. Paul Medical Center, Dallas, Texas Childrens Medical Center, Dallas, Texas Veterans Affairs Medical Center, Dallas, Texas
1990 - present	Zale Lipshy University Hospital, Dallas, Texas
2004 – present	Plaza Day Surgery, Ft. Worth, Texas
2004 – present	Park Central Surgical Center, Dallas, Texas

**BOOK CHAPTERS:**

1. Bowman RW, Miller K, McCulley JP: Diagnosis and Treatment of Chronic Blepharitis, In *Focal Points, 1989: Clinical Modules for Ophthalmologists*. Vol 7, Module 10, 1989
2. Bowman RW, McCulley JP: Relapsing Polychondritis, In *The Eye in Systemic Disease*, Ed. Gold D, Weingeist T. Lippincott & Co., 1990
3. Bowman RW, McCulley JP: Ocular Bacteriology, In *Principles and Practice in Ophthalmology*, Ed. Albert DM and Jakobiec FA. WB Saunders, Philadelphia, PA, p. 816-834, 1993.
4. McCulley JP, Shine W, Bowman RW: Diagnosis and Management of Chronic Blepharitis, In *Update on Infectious Diseases of the Eye*, Ed. Bialasiewicz AA, Aeolus Press, Buren, The Netherlands, p 75-86, 1994.
5. Bowman RW, McCulley JP, Jester JV: Meibomian Gland Dysfunction and Rosacea. In, *Ocular Infection and Immunity*, Ed. Pepose JS, Holland GN, Wilhelmus KR. Mosby-Yearbook, Inc., Philadelphia, p 334-343, 1996.
6. Bowman RW, McCulley JP: Ocular Bacteriology, In *Principles and Practice in Ophthalmology*, Ed. Albert DM and Jakobiec FA. WB Saunders, Philadelphia, PA, 2<sup>nd</sup> edition, p. 97-114, 2000.
7. Ta C, Bowman RW, McCulley JP: Ocular Bacteriology, In *Principles & Practice of Ophthalmology* 3<sup>rd</sup> Edition (2009, in press).

**ARTICLES:**

1. Bowman RW, Dougherty JM, McCulley JP: Chronic blepharitis and dry eyes. *Internatl. Ophthalmol Clin*, 27:27-35, 1987.
2. Wood TS, Stewart RH, Bowman RW, McCulley JP, Reeves TA: Suprofen treatment of contact lens associated giant papillary conjunctivitis. *Ophthalmology* 95:822-826, 1988.
3. Silvany RE, Dougherty JM, McCulley JP, Wood TS, Bowman RW, Moore MB: The effect of currently available contact lens disinfection systems on *Acanthamoeba castellanii* and *Acanthamoeba polyphaga*. *Ophthalmology* 97:286-290, 1990.
4. Anand R, Bowman RW: Simplified technique for suturing dislocated posterior chamber intraocular lens to the ciliary sulcus. *Arch Ophthalmol* 108:1205-1206, 1990.
5. Brown DD, McCulley JP, Bowman RW, Halsted MA: The use of conjunctival flaps in the treatment of herpes keratouveitis. *Cornea* 11:44-46, 1992.
6. Bowman RW: Vision correction by surgery. *Dallas Medical Journal* 84:318-319, 1998.

Articles (cont.)

7. Abbasoglu OE, Bowman RW, Cavanagh HD, McCulley JP: Reliability of intraocular pressure measurements after myopic excimer photorefractive keratectomy. *Ophthalmology* 105:2193-2196, 1998.
8. Ta CN, Bowman RW. Hyphema caused by a metallic intraocular foreign body during magnetic resonance imaging. *Am Journal Ophthalmol.* 129:533-534, 2000.
9. El-Agha MS, Johnston EW, Bowman RW, Cavanagh HD, McCulley JP. Excimer laser treatment of spherical hyperopia: PRK or LASIK? *Transactions of the American Ophthalmological Society* 98:59-66, discussion 66-69, 2000.
10. Yi DH, Petroll M, Bowman RW, McCulley JP, Cavanagh HD. Surgically induced astigmatism after hyperopic and myopic photorefractive keratectomy. *Journal of Cataract and Refractive Surgery* 27:396-403, 2001.
11. Wang X, McCulley JP, Bowman RW, Cavanagh HD: Results of myopic astigmatic LASIK with VISX Star excimer. *J Cat Refract Surg.*
12. Miller AE, McCulley JP, Bowman RW, Cavanagh HD, Wang XH. Patient satisfaction after LASIK for myopia. *CLAO Journal* 27:84-88, 2001.
13. Gokmen F, McCulley JP, Bowman RW, Petroll WM, Jester JV, Cavanagh HD: The use of in vivo confocal microscopy through-focusing in measuring corneal flap thickness after LASIK. *J Cataract & Refractive Surgery* 28:962-970, 2002
14. Hargrave SL, Jung JC, Fini ME, Gelender H, Cather C, Guidera A, Udell I, Fisher S, Jester JV, Bowman RW, McCulley JP, Cavanagh HD. Possible role of vitamin E solubilizer in topical diclofenac on matrix metalloproteinase expression in corneal melting: an analysis of postoperative keratolysis. *Ophthalmology* 109:343-350, 2002.
15. Wang X, Shen J, McCulley JP, Bowman RW, Petroll WM, Cavanagh HD. Intraocular pressure measurement after hyperopic LASIK. *CLAO Journal* 28:136-139, 2002.
16. Wang X, McCulley JP, Bowman RW, Cavanagh HD: Time to Resolution of Contact Lens-Induced Corneal Warpage Prior to Refractive Surgery. *The CLAO J* 28:169-171, 2002.
17. Gokmen F, McCulley JP, Bowman RW, Petroll WM, Jester JV, Cavanagh HD: In Vivo Confocal Microscopy Through-Focusing to Measure Corneal Flap Thickness after last in situ Keratomileusis. *J Cataract & Refractive Surgery* 28(6): 962-970, 2002.
18. El-Agha S, Johnson E, Bowman RW, Cavanagh HD, McCulley JP. PRK versus LASIK for the treatment of spherical hyperopia. *Eye & Contact Lens* 29:31-17, 2003.

19. El-Agha S, Johnston E, Bowman RW, Cavanagh HD, McCulley JP: Photorefractive Keratectomy versus Laser in situ Keratomileusis for the Treatment of Spherical Hyperopia. *Eye & Contact Lens* 29:31-37, 2003.
20. McCulley JP, El-Agha S, Bowman RW, Cavanagh HD. Comparison between PRK and LASIK for the treatment of compound hyperopic astigmatism. *Journal of Cataract and Refractive Surgery* 29:900-907, 2003.
21. Whitson JT, McCulley JP, Cavanagh HD, Song J, Bowman RW, Hertzog L: Effect of LASIK on optic nerve head topography and retinal nerve fiber layer thickness. *Journal of Cataract and Refractive Surgery* 29:2302-2305, 2003.
22. Seward MS, Oral D, McCulley JP, Bowman RW, Cavanagh HD: Comparison of LADARVision and Visx Star S3 LASIK outcomes in myopia and hyperopia. *Journal of Cataract and Refractive Surgery* 29; 2351-2357, 2003.
23. Vargas JM, McCulley JP, Bowman RW, Johnson EW, Jani BR, Shen J: Effect of phacoemulsification on corneal thickness. *Am J Ophthalmol* 136:171-172, 2003.
24. Mendelblatt D, McCulley JP, Bowman RW, Verity S, Cavanagh HD. Effects of an educational seminar on rejection demographics in patients presenting for laser in situ keratomileusis. *Eye and Contact Lens: Science & Clinical Practice* 29:69-71, 2003.
25. El-Agha MSH, Bowman RW, Cavanagh HD, McCulley JP. "Comparison of photorefractive keratectomy and laser in situ keratomileusis of the treatment of compound hyperopic astigmatism." *Journal of Cataract and Refractive Surgery* 2003;29:900-907.
26. Oral D, Bowman RW, Cavanagh HD, El-Agha MH, Seward MS, McCulley JP. Hyperopic laser-assisted in situ keratomileusis results with Ladar Vision, Visx Star S2, and Visx Star S3. *Eye and Contact Lens* 2004;30:49-53.
27. Awwad ST, El Kateb M, Bowman RW, Cavanagh HD, McCulley JP. Wavefront-guided laser in situ keratomileusis with the Alcon CustomCornea and the VISX CustomVue: three month results. *J Refract Surg*, 2004;20:S606-S613.
28. Oral D, Awwad ST, Seward MS, Bowman RW, McCulley JP, Cavanagh HD. "Hyperopic laser-assisted in situ keratomileusis in eyes with previous radial keratotomy." *Journal of Cataract and Refractive Surgery* 2005;31:1561-1568.
29. McCulley JP, Awwad ST, El Kateb M, Bowman RW, Cavanagh HD. Wavefront-guided in situ keratomileusis with the Alcon CustomCornea and the VISX CustomVue: three month results. ISRS/AAO joint meeting, 2004, paper.
30. Awwad ST, El-Kateb M, Bowman RW, Cavanagh HD, McCulley JP. "Wavefront-guided laser in situ keratomileusis with the LADAR CustomCornea and the VISX CustomVue: A comparative study." *Journal of Refractive Surgery* 2004;20:S606-S613.

31. McCulley JP, Awwad ST, El Kateb M, Bowman RW, Cavanagh HD. Wavefront-guided in situ keratomileusis with the Alcon CustomCornea and the VISX CustomVue: three month results. ISRS/AAO joint meeting, 2004, paper.
32. Whitson JT, Liang C, Godfrey DG, Petroll WM, Cavanagh HD, Patel D, Fellman RL, Starita RJ. Central corneal thickness in patients with congenital aniridia. *Eye & Contact Lens* ;31:221-224, 2005.
33. Awwad ST, Haithcock KK, Oral D, Bowman RW, Cavanagh HD, McCulley JP. A comparison of induced astigmatism in conventional and wavefront-guided myopic laser in situ keratomileusis using LADARVision 4000 and VISX S4 platforms. *J Refract Surg* 21 (6): S792-S798, 2005.
34. Awwad ST, Parmar DN, Heilman M, Bowman RW, McCulley JP, Cavanagh HD. Results of penetrating keratoplasty for visual rehabilitation after Acanthamoeba keratitis. *Am J Ophthalmol* 140 (6):1080-1084, 2005.
35. Parmar DN, Alizadeh H, Awwad ST, Li H, Neelam H, Bowman RW, Cavanagh HD, McCulley JP. Ocular surface restoration using non-surgical transplantation of tissue-cultured human amniotic epithelial cells. *Am J Ophthalmol* 141 (2): 299-307, 2006.
36. Parmar DN, Awwad ST, Petroll WM, Bowman RW, McCulley JP, Cavanagh HD. Tandem scanning confocal corneal microscopy in the diagnosis of suspected Acanthamoeba keratitis. *Ophthalmology* 113 (4):538-574, 2006.
37. Ly LT, B.S., McCulley JP, Verity SM, Cavanagh HD, Bowman RW, Petroll WM. Evaluation of intrastromal lipid deposits after intacs implantation using in vivo confocal microscopy. *Eye & Contact Lens* 2006;32:211-215.
38. Petroll WM, Goldberg D, Lindsey SS, Kelly P, Cavanagh HD, Bowman RW, Parmar D, Verity SM, McCulley JP: Confocal Assessment of the Corneal Response to Intracorneal Lens Insertion and LASIK with Flap Creation using IntrLase. *Journal of Cataract and Refractive Surgery* 32: 1119-1128, 2006.
39. Awwad S, Bowman RW, Cavanagh HD, McCulley JP: Objective & Subjective Visual Outcomes of Wavefront-Guided Laser in situ Keratomileusis for Low to Moderate Myopes Using the LADAR CustomCornea & the VISX CustomVue. *JRS* Volume 23 (1):26-37, 2007.
40. Lindsey SS, McCulley JP, Cavanagh HD, Bowman RW, Verity S, Mootha V, Petroll WM: Prospective Evaluation of PermaVision Intracorneal Implants using In Vivo Confocal Microscopy. *JRS* 23(4):410-413, 2007.
41. Hu M, McCulley JP, Cavanagh HD, Bowman RW, Verity s, Mootha V, Petroll WM: Comparison of the Corneal Response to Laser in situ Keratomileusis with Flap Creation Using the FS15 and FS30 Femtosecond Lasers. *JCRS* 33 (4): 2007.

42. Awwad S, Dwarakanathan S, Bowman RW, Cavanagh HD, Verity SS, Mootha V, McCulley JP: Intraocular Lens Power Calculation after Radial Keratotomy: Estimating the Refractive Corneal Power. *JCRS* 33(6):1045-1050, 2007.
43. Awwad ST, Lehmann JD, McCulley JP, Bowman RW: A comparison of Higher Order Abberations in Eyes Implanted with AcrySof IQ SN60Wf and AcrySof SN60AT Intraocular Lenses. *Eur J Ophthalmol* 17(3):320-326, 2007.
44. Mootha V, Heck E, Verity S, Petroll WM, Lakshman N, Muftuoglu O, Bowman RW, McCulley JP, Cavanagh HD: Comparative Study of DSAEK Donor Preparation by Moria ALTK Microkeratome, Horizone Microkeratome and Intralase FS 60.
45. Petroll WM, Hu M, McCulley JP, Cavanagh HD, Bowman RW, Verity S, Mootha V: Comparison of the Corneal Response to LASIK with Flap Creating Using IntraLase ® FS15 and FS30 Lasers: Clinical and Confocal Microscopy Findings. *JCRS* 33:673-681, 2007.
46. Awwad S, Manasseh, Bowman RW, Cavanagh HD, Verity S, Mootha V, McCulley JP: Intraocular Lens Calculations in Eyes After Myopic Keratorefractive Surgery. *JCRS* 34 (7):1070-1076, 2008.
47. Awwad ST, Bowman RW, Cavanagh HD, Warmerdam S, Lee D, McCulley JP: Changes in Higher Aberration after Accommodation in Myopic WaveFront Guided Lasik Candidates. *JRS* 25 (2):171-172, 2009.
48. Verity SM, McCulley JP, Bowman RW, Cavanagh HD, Petroll WM: Outcomes of PermaVision Intracorneal Implants for the Correction of Hyperopia. *AM J Ophthalmol* 147 (6):973-977, 2009.
49. Awwad St, Kelley PS, Bowman RW, Cavanagh HD, McCulley JP: Corneal Refractive Power Estimation and Intraocular Lens Calculation After Hyperopic LASIK. *Ophthalmology* 116 (3):393-400, 2009.
50. Di Pascuale MA, Prasher P, Schlecte C, Arey ML, Bowman RW, Cavanagh HD, McCulley JP, Mootha VV: Corneal Deturgescence after Descemet Stripping Automated Endothelial Keratoplasty Evaluated by Visante Anterior Segment Optical Coherence Tomography. *American Journal of Ophthalmology*: 2009.
51. Muftuoglu O, Prasher P, Chu C, Mooth VV, Verity S, Bowman RW, Cavanagh HD, McCulley JP: LASIK for Residual Refractive Errors After Apodized Diffractive Multifocal Intraocular Lens Implantation. *JCRS* 35(6): 1063-1071, 2009.
52. Awwad ST, Bowman RW, Cavanagh HD, Alvarez, McCulley JP: Quality of Life Changes After Wavefront-Guided Laser in situ Keratomileusis in Myopic Patients. *ECL* 35:128-131, 2009.

53. Pachiogolla G, Prasher P, Mootha VV, Bowman RW, Di Pascuale MA, McHenry J, McCulley JP: Evaluation of the Rold of ProKera TM in the Management of Ocular Surface and Orbital disorders. *ECL* 35 (4):196-202, 2009.
54. Prasher P, Muftuoglu O, Bowman RW, McCulley JP, Petroll WM, Cavanagh HD, Mootha VV: Tandem Scanning Confocal Microscopy of Cornea after Descemet Stripping Automated Endothelial Keratoplasty. *ECL* 35 (4):196-202, 2009.
55. Di Pascuale MA, Prasher P, Schlecte, Arey ML, Bowman RW, Cavanagh HD, McCulley JP, Mootha VV: Corneal Deturgence After Descemet's Stripping Automated Endothelial Keratoplasty Evaluated by Visante™ Anterior Segment OCT. *AJO* (2009, in press).
56. Mohamed E, Wojtowicz JA, Bowman RW: Corneal Thickness Association with Ocular and Corneal Wavefront Aberrations. *ECL* (2009, in press).

**ABSTRACTS:**

1. Saragas S, Bowman RW, Luckenbach MW, et al. Ulcerative colitis associated conjunctival scarring. *Ophthalmology* 92 (Suppl):71, 1985.
2. Goode S, Bowman RW, Moore MB, McCulley JP: Sensitivity of Acanthamoeba to standard soft contact lens disinfection methods. *Ophthalmology* 92 (Suppl):71, 1985.
3. Silvany RE, Wood TS, Bowman RW, McCulley JP: The effects of preservatives in contact lens solutions on two species of Acanthamoeba. *Invest Ophthalmol Vis Sci* 27 (ARVO Suppl): 35, 1986.
4. Wood TS, Bowman RW, Reaves TA: Giant papillary conjunctivitis: treatment with Suprofen, a topical nonsteroidal anti-inflammatory agent. *Ophthalmology* 93 (Suppl):67 and 116, 1986.
5. Moore MB, McCulley JP, Bowman RW: Acanthamoeba keratitis: a growing problem in soft and hard contact lens wearers. *Ophthalmology* 93 (Suppl): 68 and 116, 1986.
6. Bowman RW, Heck E, McCulley JP: Penetrating keratoplasty with K-Sol corneas. *Ophthalmology* 93 (Suppl):95, 1986.
7. Lin N, Meyer D, Bowman RW, McCulley JP: Transplantation of tissue-cultured human corneal endothelium onto rabbit corneas. *Invest Ophthalmol Vis Sci* 27 (ARVO Suppl.):171, 1987.
8. Silvany RE, Wood TS, Bowman RW, McCulley JP: The effect of preservatives in contact lens solutions on two species of acanthamoeba. *Invest Ophthalmol Vis Sci* 27 (ARVO Suppl):371, 1987.
9. Wood TS, Silvany RE, Bowman RW, McCulley JP: The effect of preservatives on two species of Acanthamoeba. *Ophthalmology* 94 (Suppl): 129, 1987.
10. Reinke M, McCulley JP, Heck E, Bowman RW: Comparison of cornea preservation in McCarey-Kaufman storage medium and K-Sol. *Eye Bank Association of America*, 1987.
11. Silvany RE, Wood TS, Bowman RW, Moore MB, McCulley JP: The effect of contact lens solutions on two species of Acanthamoeba. *Invest Ophthalmol Vis Sci* 29 (ARVO Suppl):253, 1988
12. Jenevein SS, Nguyen HL, Bowman RW, McCulley JP: Fibronectin eyedrops in nonhealing corneal epithelial defects. *Ophthalmology* 96 (Suppl): 119, 1989.
13. Jenevein SS, Nguyen HL, Bowman RW, McCulley JP, Horowitz M: Fibronectin eyedrops in nonhealing corneal epithelial defects. *Invest Ophthalmol Vis Sci* 31 (ARVO Suppl.)315, 1990.

14. Bowman RW, Anand R: Suturing of posterior chamber intraocular lenses. *Texas Medical Association* 1991.
15. Cavanagh HD, McCulley JP, Petroll WM, Anderson W, Conger D, Bowman RW, Wilson SE, Jester JV: The clinical and diagnostic use of in vivo confocal microscopy in patients with corneal disease. *Ophthalmology* 99 (Suppl):123, 1992.
16. Pillai CT, Bowman RW, Wilson SE, Klyce SD: Changes in corneal topography after removal of rigid contact lenses in candidates for refractive surgery. *Invest Ophthalmol Vis Sci* 35:1739, 1994.
17. Husseini ZM, Bowman RW, Wilson SE: Histochemistry and microbiology of nocardia keratitis, series of three cases. *Invest Ophthalmol Vis Sci* 35:1676, 1994.
18. Abbasoglu OE, McCulley JP, Bowman RW, Cavanagh HD: Accuracy of intraocular pressure measurements after myopic excimer PRK. *Ophthalmology* 105 (suppl):162, 1997.
19. Wang X, McCulley JP, Bowman RW, Cavanagh HD: Results of myopic astigmatic LASIK with VISX Star excimer. *Invest Ophthalmol Vis Sci* 40 (Suppl): S894, 1999.
20. Yi DH, Bowman RW, McCulley JP, Cavanagh HD: Comparing surgically induced astigmatism following hyperopic or myopic photorefractive keratectomy. *Invest Ophthalmol Vis Sci* 41:S690, 2000
21. Johnston EW, El Agha MS, Bowman RW, Cavanagh HD, McCulley JP: PRK versus LASIK for the treatment of spherical hyperopia using the VISX Star excimer laser. *Invest Ophthalmol Vis Sci* 41:S691, 2000
22. Mason R, Gokmen F, Cheung D, Hargrave SL, Bowman RW, Cavanagh HD, McCulley JP: PTK at the University of Texas Southwestern Medical Center: a three-year retrospective study. *Invest Ophthalmol Vis Sci* 41:S923, 2000.
23. Ta CN, Bowman RW. Hyphema caused by a metallic intraocular foreign body during magnetic resonance imaging. *AJO* 129:533-534, 2000.
24. Jani BR, Johnston EW, Hertzog L, Mason R, Shen J, Bowman RW, McCulley JP: Effect of Phacoemulsification on Corneal Thickness. *Invest Ophthalmol Vis Sci* 42:S276, 2001.
25. Shen JF, Whitson JT, El Agha MS, Kooner KS, Hargrave SL, Bowman RW, Cavanagh HD, McCulley JP: Glaucoma Tube Shunt Placements in the Setting of Penetrating Keratoplasty: A Retrospective Review. *Invest Ophthalmol Vis Sci* 42:S419, 2001.
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30. Oral D, McCulley JP, Bowman RW, Cavanagh HD, El-Agha MSH, Seward MS: Hyperopic LASIK Results with LadarVision, Visx S2 and Visx S3. ARVO ABS 2003.
31. McCulley JP, Awwad ST, Bowman RW, Cavanagh HD: Quantitative Visual Outcomes of Initial LADARVision custom Cornea KASIK Eyes. ISRS 2003.
32. Van Norman RH, Awwad ST, El-Kateb M, Bowman W, Cavanagh D, McCulley JP. Comparing the wave captures of the VISX WaveScan and the LADARWave aberrometers using adjusted and actual capture zones. ARVO ABS 2004.
33. El-Kateb, M, Awwad ST, Bowman W, Cavanagh HD, McCulley JP. VISX WaveScan and LADARWave aberrometers: a comparative higher order aberration capture study. ARVO ABS 2004.
34. Awwad ST, El-Kateb M, Bowman W, Cavanagh HD, McCulley JP. LADARVision CustomCornea LASIK for myopic/astigmatic eyes: quantitative and qualitative results. ARVO ABS 2004.
35. El-Kateb M, Awwad ST, Bowman W, Cavanagh HD, McCulley JP. Effects of mydriasis and cycloplegia on the higher order aberration pattern and degree of capture using VISX WaveScan and LADARWave aberrometers. *American Society of Cataract and Refractive Surgery* ABS 2004.
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39. Parmar D, Ladage PM, Awwad S, McCulley JP, Bowman RW, Cavanagh HD. Corneal epithelial homeostasis following laser in situ keratomileusis (LASIK) surgery. ARVO 2005, B875.
40. Goldberg DF, Cavanagh HD, Bowman W, Kelley P, Parmar D, Petroll M, Verity SM, McCulley JP. Keratocyte response following INTACS<sup>®</sup>, Intracorneal lens inserts, and flap creation by femtosecond laser ablation (Intralase<sup>®</sup>) for LASIK. ARVO 2005, B940
41. Komaromy K, Awwad ST, Oral D, Bowman RW, Cavanagh HD, McCulley JP. A comparison of induced astigmatism in conventional and wavefront-guided laser in situ Keratomileusis. ARVO 2005.
42. Awwad ST, Bowman RW, Cavanagh HD, Parmar D. Changes in higher order aberrations with accommodation in wavefront-guided laser in situ keratomileusis myopic candidates. ISRS/AAO 2005 (submitted).
43. Awwad ST, Bowman RW, Cavanagh HD, Verity SM, McCulley JP: Optimizing Corneal Power Calculation After Myopic Keratorefractive Surgery. ARVO 2006.
44. Di Pascuale MA, Butovich IA, Aronowicz JD, Uchiyama E, Awwad S, Cavanagh HD, Bowman RW, McCulley JP: Digital Sequential Lipid Tear Film Interferometry Characterization and Corneal Topography Regularity Surface Indices Assessment in Normal Subjects. ARVO 2006.
45. Awwad ST, Kilby A, Bowman RW, Cavanagh HD, Verity S, McCulley JP: Evaluation of the Accuracy of the Double-K Adjusted IOL Calculation After Keratorefractive Surgery. ASCRS 2007, Session:3-M.
46. Prasher P, Muftuoglu O, Bowman RW, Mootha V, McCulley JP: Anterior and Posterior Corneal Higher Order Aberrations after DSAEK. ARVO 2008, Eyes on Innovation, Program Number 237: Surface and Physical Properties, Session: 1546.
47. Hsiao M, Prasher P, Hogan N, Bowman RW, Mootha V, McCulley JP: Histopathy of Descemet's Stripping Endothelial Keratoplasty Graft Failure. ARVO 2008, Eyes on Innovation, Program Number 293: Corneal Transplantation and Lamellar Surgery II, Session: 2323.
48. Muftuoglu O, Prasher P, Bowman RW, Mootha V, Verity S, Cavanagh HD, McCulley JP: Visual and Clinical Outcomes of Wavefront Guided Myopic Lasik with Iris Registration. ARVO 2008, Eyes on Innovation, Program Number 541: Refractive Surgery Outcomes, Session: 5641.
49. Prasher P, Muftuoglu O, Bowman RW, McCulley JP, Mootha V: Corneal Parameters Measured by Pentacam After Descemet Stripping Automated Endothelial Kertoplasty. ARVO 2009 Reducing Disparities in Eye Disease and Treatment, Keratoplasty I, Session 598-A568. and *Invest. Oph. Vis. Sci.* 2009.

50. Muftuoglu O, Verity S, Bowman RW, Cavanagh HD, McCulley JP, Mootha V: Novel Applications of Femtosecond Laser for Deep Anterior Lamellar Keratoplasty. ARVO 2009, Reducing Disparities in Eye disease and Treatment, 207 Keratoplasty II, Session 1240 and *Invest. Oph. Vis. Sci.* 2009.
51. Mohamed EM, Wojowicz JC, Bowman RW, Cavanagh HD, Mootha V, Verity S, McCulley JP: Corneal Thickness Association with Ocular and Corneal Wavefront Aberrations. ARVO 2009 Reducing Disparities in Eye Disease and Treatment, 226 Clinical Ocular Inflammatory Disease II, Session 1566-D811 and *Invest. Oph. Vis. Sci.* 2009.

## PRESENTATIONS

- 1981 Third Annual Recent Advances in Clinical Ophthalmology  
University of Missouri Medical School  
Columbia, Missouri  
“Postoperative Bacterial Endophthalmitis”
- 1983 Ophthalmic Assistant Spring Seminar  
Sponsored by Houston Eye Associates  
“Emergencies in the Ophthalmologist’s Office”
- 1984 University of Texas Health Science Center at Houston  
Houston Basic Science Course  
Lectures: “Ocular Allergy” and “Episcleritis and Scleritis”
- 1984 American Academy of Ophthalmology  
Southeastern Update Course  
“Episcleritis/scleritis and Allergic Conjunctivitis”
- 1984 Dallas Academy of Ophthalmology  
Bimonthly Conference  
“Management of Endophthalmitis”
- 1985 Dallas Academy of Ophthalmology  
Bimonthly Conference  
“Management of Intraocular Lenses in Pseudophakic Bullous Keratopathy”
- 1985 Dallas Academy of Ophthalmology  
Bimonthly Conference  
“Inflammation Induced Increase in Intraocular Pressure”
- 1985 University of Texas Health Science Center at Houston  
Houston Basic Science Course  
“Uveitis, Episcleritis/Scleritis; Ocular Allergy”

- 1985 Dallas Academy of Ophthalmology  
Bimonthly Conference  
“Management of Intraocular Lenses in Pseudophakic Bullous Keratopathy”
- 1985 Dallas Academy of Ophthalmology  
Bimonthly Conference  
“Inflammation Induced Increase in Intraocular Pressure”
- 1985 Dallas Academy of Ophthalmology / University of Texas Health Science Center at Dallas  
Department of Ophthalmology  
Alumni Day 1985  
“The Red Eye Corneal Transplant”
- 1985 National Eye Trauma Symposium  
Washington, D.C.  
Guest Lecturer  
“Corneal Trauma”
- 1985 Dallas Academy of Ophthalmology  
Bimonthly Conference  
“Management of Intraocular Lenses at the Time of Corneal Transplantation for Pseudophakic Bullous Keratopathy”
- 1986 University of Texas Health Science Center at Houston  
Houston Basic Science Course  
“Endophthalmitis”  
“Episcleritis/Scleritis”  
“Ocular Allergy”  
“Uveitis”
- 1987 Welch Cataract Congress  
Houston, Texas  
“Antibiotic Prophylaxis of Cataract Surgery”
- 1987 Texas Medical Association Annual Meeting  
Houston, Texas  
“Acanthamoeba Keratitis”
- 1987 University of Texas Health Science Center at Houston  
Houston Basic Science Course  
“Endophthalmitis”  
“Episcleritis/Scleritis”  
“Ocular Allergy”  
“Uveitis”
- 1987 Dallas Academy of Ophthalmology / University of Texas Health Science Center at Dallas  
Alumni Day, 1987  
“Chronic Epithelial Defects”

- 1987 National Eye Bank Association of America  
“Presentation of Bacterial Contamination of K-SOL Corneas”
- 1988 Pharmacia Phacoemulsification Course  
New Techniques in Cataract Surgery Symposium  
“Techniques of Cataract Extraction by Phacoemulsification”  
Course Director
- 1988 University of Texas Health Science Center at Houston  
Houston Basic Science Course  
“Endophthalmitis”  
“Episcleritis/Scleritis”  
“Ocular Allergy”  
“Uveitis”
- 1988 Dallas Academy of Ophthalmology / University of Texas Southwestern Medical Center  
Department of Ophthalmology  
Bimonthly Conference  
“Bacterial Endophthalmitis Update”
- 1988 Dallas Academy of Ophthalmology / University of Texas Southwestern Medical Center  
Department of Ophthalmology  
Bimonthly Conference  
“Preoperative and Intraoperative Factors Influencing Post Penetrating Keratoplasty  
Astigmatism”
- 1988 Dallas Academy of Ophthalmology / University of Texas Southwestern Medical Center  
Department of Ophthalmology  
Bimonthly Conference  
“Prevention of Endophthalmitis Post Cataract Surgery”
- 1988 Dallas Academy of Ophthalmology / University of Texas Southwestern Medical Center  
Department of Ophthalmology  
Annual Alumni Day Conference  
“Secondary Posterior Lens Implants with Corneal Transplantation”
- 1988 American Academy of Ophthalmology Symposium on Cornea and External Disease for the  
Practicing Ophthalmologist  
“Current Management of Herpes Zoster”
- 1989 Myasthenia Gravis Society  
“Cataract Surgery and Myasthenia Gravis”
- 1989 Dallas Academy of Ophthalmology / University of Texas Southwestern Medical Center  
Department of Ophthalmology  
Bimonthly Conference  
Moderator and Presenter  
“Techniques of Extracapsular Cataract Extraction of Corneal Transplant”

- 1990 National Eye Trauma Symposium  
Director - Secondary Posterior Chamber Lens Implantation Lab  
Codirector - Anterior Segment Section  
Presenter  
“Lens Implantation after Trauma - Primary or Secondary Insertion”
- 1990 Twelfth Annual Dallas Spring Ophthalmology Symposium, Presbyterian Hospital of Dallas  
“Acanthamoeba Keratitis”  
“Fibronectin and Epidermal Growth Factor in Chronic Epithelial Defects”
- 1990 Dallas Academy of Ophthalmology / University of Texas Southwestern Medical Center  
Department of Ophthalmology  
Bimonthly Clinical Conference  
Moderator and Presenter  
“Recurrent Corneal Erosion”
- 1990 Health Matters, WFAA Television/ Dallas ABC Affiliate  
Ophthalmology Update
- 1990 American Academy of Ophthalmology / Castroviejo Corneal Society Joint Meeting  
Dallas, Texas  
“Acanthamoeba Keratitis”
- 1991 Dallas Academy of Ophthalmology / University of Texas Southwestern Medical Center  
Department of Ophthalmology  
Bimonthly Conference  
Moderator and Presenter  
“Scleral Fixation of PC IOLs”
- 1991 Texas Medical Association / Texas Ophthalmological Association Annual Meeting  
Dallas, Texas  
“Suturing of Posterior Chamber Intraocular Lenses”
- 1991 The University of Texas Southwestern Medical Center at Dallas  
Seminar on Ptosis and Blepharoplasty  
“Management of Corneal Complications of Eyelid Surgery”
- 1991 Eye Bank Association of America - Technicians’ Training Course  
“Surgical Use of Human Eye Tissue”
- 1991 Texas Academy of Family Physicians  
“The Red Eye”
- 1992 The University of Texas Southwestern Medical Center at Dallas Seminar Series  
“Update on Ophthalmology for Family Practitioners”

- 1992 Eye Bank Association of America  
The University of Texas Southwestern Medical Center at Dallas Transplant Services Center  
Changing Indications for Penetrating Keratoplasty”
  
- 1992 American Academy of Ophthalmology and Castroviejo Corneal Society Joint Meeting  
Atlanta, Georgia  
“Chronic Blepharitis”
  
- 1992 Tarrant County Ophthalmological Society  
Fort Worth, Texas  
“Scleral Fixation of PC IOL”
  
- 1992 Chiron Casebeer  
Precise Systems of Refractive Surgery  
RK Course Instructor
  
- 1993 University of Texas Medical Branch at Galveston  
Symposium on Cataract and Refractive Surgery  
“Phacoemulsification Techniques”
  
- 1993 Chiron Casebeer  
Refractive Surgery in Transition  
RK Course Instructor
  
- 1994 Zale Lipshy University Hospital and The University of Texas Southwestern Medical Center  
at Dallas  
Course Instructor: “RK for Ophthalmologists”
  
- 1994 Zale Lipshy University Hospital and The University of Texas Southwestern Medical Center  
at Dallas  
Course Instructor: “RK for Ophthalmic Technicians”
  
- 1994 Zale Lipshy University Hospital and The University of Texas Southwestern Medical Center  
at Dallas  
Course Instructor: “RK Options for the General Public”
  
- 1994 Texas Medical Association / Texas Ophthalmological Association Annual Meeting  
Austin, Texas  
“Refractive Surgery in the 90’s”
  
- 1994 KGBS Radio, Health Insights with Jocelyn White.  
Dallas, Texas  
Questions and answers from the general public.
  
- 1995 CLAO Regional Basic Contact Lens Course, Dallas, Texas  
“Pre-Fit Evaluation of the Contact Lens Patient”

- 1995 The Transplant Services Center of The University of Texas Southwestern Medical Center at Dallas - Celebration of Thanksgiving for the Gift of Transplantation Medicine  
Keynote Speaker
- 1995 Texas Medical Association / Texas Ophthalmological Association Annual Meeting  
Austin, Texas  
“Use of Meditec Excimer Laser for the Treatment of Myopia”
- 1996 The University of Texas Southwestern Medical Center at Dallas, Specialist Training  
“Cataracts, Types of Cataracts, W/U, Indications for Surgery”  
“Postop Cataracts - Expectations, Routine and Complications, Postop Management of Routine Patients and Those with Complications, Including YAG and CME”
- 1996 Texas Medical Association / Texas Ophthalmological Association Annual Meeting  
Austin, Texas  
“Use of Meditec Excimer Laser for the Treatment of Hyperopia”  
“Therapeutic Contact Lenses”
- 1996 Alcon Laboratories  
Fort Worth, Texas  
Ophthalmic Assistant Update Course  
“Phaco Essentials for the Ophthalmic Assistant”
- 1996 Zale Lipshy University Hospital, The University of Texas Southwestern Medical Center at Dallas, Ophthalmology Update for Primary Care Practitioners: A Didactic and Skills Symposium  
“Cataracts: When, Why, and How?”
- 1997 Alcon Laboratories, Fort Worth, Texas  
Serva Course in Cataract Surgery
- 1997 Alcon Instrumentation Specialist Program  
Lecturer
- 1997 The University of Texas Southwestern Medical Center at Dallas, Department of Ophthalmology  
Science of Family Medicine Presentation  
“Management of Acute Eye Trauma”
- 1997 Alcon Laboratories  
San Antonio Ophthalmic Symposium  
“Current Phaco Techniques”  
“Refractive Aspects of Cataract Surgery”
- 1997 American Society of Ophthalmic Registered Nurses  
Keynote Speaker  
“Cataract Surgery and IOLs”

- 1998 Alcon Laboratories  
Fort Worth, Texas  
Sera Courses in Cataract Surgery  
Course Director - Four courses
- 1998 Missouri Society of Eye Physicians and Surgeons and the Kansas State Ophthalmological Society, Ozark Mountain Roundup  
“Phacoemulsification: An Easier Way to Transition to Temporal Clear Corneal Surgery”  
“Phacoemulsification: Refractive Considerations”
- 1998 Louisiana State University Resident Training in Phacoemulsification Techniques  
Alcon Laboratories  
Fort Worth, Texas
- 1998- NorthPark Educational Seminars, sponsored by Zale Lipshy University Hospital/NorthPark  
1999 Educational Seminars, monthly - Regular Presenter
- 1999 Alcon Laboratories  
Fort Worth, TX  
Seminar Instructor, Phacoemulsification Course
- 1999 American Academy of Ophthalmology / Pan American Association of Ophthalmology  
Scientific Session Course Instructor
- 1999 Louisiana State University Resident Training in Phacoemulsification Techniques  
Alcon Laboratories, Fort Worth, Texas
- 1999 University of Missouri Columbia School of Medicine  
Sixth Annual Residents and Alumni Weekend  
Invited Guest Speaker
- 1999 The University of Texas Southwestern Medical Center at Dallas  
Department of Ophthalmology  
Anterior Segment Review Course for Optometrists  
Course Instructor
- 1999 Alcon Speakers Alliance  
Orlando, Florida  
Guest Speaker  
“Prevention and Treatment of complications of Keratorefractive Surgery”
- 1999 American Society of Ophthalmic Registered Nurses Regional Meeting  
in association with JCAPO  
Keynote Speaker  
“Current Concepts in Refractive Surgery”

- 1999 The University of Texas Southwestern Medical Center at Dallas  
Alcon Training Seminar  
“Cataracts”
- 1999 The American Academy of Ophthalmology Annual Meeting  
Orlando, Florida  
Scientific Program Participant  
“Refractive Surgery in the Cornea Transplant Patient”
- 1999 Alcon Speakers Alliance  
Scottsdale, Arizona  
Guest Speaker
- 1999 Alcon Speakers Alliance  
San Antonio, Texas  
Guest Speaker  
“Prevention and Treatment of Keratorefractive Surgery Complications”
- Feb 2000 Tucson Ophthalmology Society Meeting  
Tucson, Arizona  
Invited Guest Speaker  
“External Disease - Refractive Surgery”
- March 2000 Texas Academy of Physician Assistants Annual Meeting  
Arlington, TX  
Invited Guest Speaker  
“The Aging Eye”
- March 2000 Austin Society of Ophthalmologists  
Austin, TX  
Invited Guest Speaker  
“Ocular Allergy Update”
- April 2000 University of North Texas Health Science Center at Fort Worth - sponsor  
Allergic Conjunctivitis Update for Allergists  
Houston, TX  
“Ocular Allergy Update”
- April 2000 Nashville Academy of Ophthalmology  
Nashville, TN  
“Prevention and Treatment of Refractive Surgery Complications”
- April 2000 University of North Texas Science Center at Fort Worth - sponsor  
Dayton Ophthalmological Society Meeting  
Dayton, Ohio  
“Ocular Allergy”

- April 2000 Alcon Speakers Alliance  
St. Louis Allergy Meeting  
“Ocular Allergy Update”
- April 2000 Ocular Allergy Update Meeting  
Las Colinas, TX  
“Red Eye and Allergy”
- May 2000 Galveston Optometric Review Course  
Webster, TX  
“Ocular Allergies”  
“Cataracts”
- May 2000 University of North Texas Health Science Center at Fort Worth - sponsor  
Greenville Academy of Ophthalmology  
Greenville, SC  
“Fluoroquinolone Treatment for Ocular Diseases”
- May 2000 Association of Operating Room Nurses  
Fort Worth, TX  
“Keratorefractive Surgery”
- May 2000 Fort Worth Area Ophthalmologists Meeting  
Fort Worth, Texas  
Guest Speaker
- June 2000 Scripps Clinic - La Jolla, California  
Pearls of Ocular Therapy  
“The Prevention and Treatment of Refractive Surgery Complications”
- June 2000 Alcon Laboratories  
Ocular Allergy Speaker Alliance Meeting  
Fort Worth, Texas
- June 2000 The University of North Texas Health Science Center at Fort Worth - sponsor  
Allergy Update - Tulsa, Oklahoma  
“Ocular Allergy”
- Aug. 2000 LSU Resident Phacoemulsification Training  
Alcon Pharmaceuticals  
Fort Worth, Texas
- Aug. 2000 The University of North Texas Health Science Center at Fort Worth - sponsor  
South Bend, Indiana  
“The Prevention and Treatment of Refractive Surgery Complications”

- Sept. 2000     The University of North Texas Health Science Center at Fort Worth - sponsor  
Houston, Texas  
“Treatment of Ocular Allergies and Dry Eyes”
- Oct. 2000     Oklahoma Association of Optometric Physicians  
Oklahoma City, Oklahoma  
“Ocular Allergy Update”
- Nov. 2000     Evansville Journal Club  
Evansville, Indiana  
“External Disease Update”
- Nov. 2000     Pediatric Society of San Antonio  
San Antonio, Texas  
“Treatment of Ocular Allergies”
- Jan. 2001     Grossnickle Annual OD Seminar Meeting  
Warsaw, Indiana  
“Refractive Complications”
- Jan. 2001     Cook Children’s Medical Center  
Fort Worth, Texas  
Grand Rounds, “Pediatric Eye Trauma”
- March 2001    NAP NAP (Association of Pediatric Nurses)  
Arlington, Texas  
“Red Eye”
- March 2001    Visions for the Future - 2001  
St. Louis Missouri  
“Prevention and Treatment of Complications of Cataract Surgery”
- March 2001    Effective Allergy Treatments Meeting  
Rockwall, Texas  
“Effective Allergy Treatment”
- Feb. 2001     Austin Ophthalmological Society  
Austin, Texas  
“External Disease and Refractive Surgery”
- May 2001     Allergy Speaker’s Event Meeting  
Memphis, Tennessee  
Alcon Speaker’s Alliance  
“Ocular Allergy”

- June 2001 2001 Albany Ophthalmology Update  
Scotia, NY  
“Allergic Conjunctivitis”  
“Postop Complications of LASIK I”  
“Postop Complications of LASIK II”
- Aug. 2001 4<sup>th</sup> Annual Ophthalmology Review for the Primary Care Physician  
UT Southwestern  
Dallas, Texas  
“Modern Cataract Surgery”
- Aug. 2001 American Society of Ophthalmic Registered Nurses  
Ophthalmic Update: Refractive Surgery, Phacoemulsification, and Patient Care  
Fort Worth, Texas  
“Current Concepts in Refractive Surgery”
- Aug. 2001 LSU Resident Phacoemulsification Training  
Alcon Pharmaceuticals  
Fort Worth, Texas
- Sept. 2001 4<sup>TH</sup> Gostin Lecture and Ophthalmology 20<sup>th</sup> Anniversary Seminar  
UT Southwestern  
Dallas, Texas  
Moderator of Event
- Oct. 2001 Anterior Segment Review for Optometrists  
UT Southwestern  
Dallas, Texas  
“Keratorefractive Surgery”
- Feb. 2002 Tarrant County Pharmacists Assn.  
Fort Worth, Texas  
“Red Eye”
- March 2002 Current Concepts in Allergy and Infectious Disease  
El Paso, Texas  
“Allergy and External Diseases”
- March 2002 Instrumentation Specialist Program  
UT Southwestern - Alcon  
Dallas, Texas  
Didactic Cataract Presentation
- April 2002 Anti-Infective & Allergy Treatment Meeting  
Amarillo Ophthalmological Society  
Amarillo, Texas  
“Anti-Infective & Allergy Treatment”

- April, 2002 Albuquerque Society of Ophthalmologists  
Albuquerque, New Mexico  
“Anti-Infective & Allergy Treatment”
- May 2002 Arizona Ophthalmic Society  
Tucson, Arizona  
“Current Concepts in Allergy and Infections”
- Aug. 2002 LSU Resident Phacoemulsification Training  
Alcon Pharmaceuticals  
Fort Worth, Texas
- Sept. 2002 5<sup>th</sup> Annual Ophthalmology Review for the Primary Care Physicians  
UT Southwestern  
Dallas, Texas  
“Keratorefractive Surgery Update”
- Oct. 2002 5<sup>th</sup> Annual Ophthalmology Review for Optometrists: Posterior Segment  
UT Southwestern  
Dallas, Texas  
“Getting Light to the Retina: Keratorefractive Surgery Update”
- Dec. 2002 18<sup>th</sup> Annual Symposium on Cornea, Contact Lenses and Contemporary Vision Care  
Houston, Texas  
“New Fluoroquinolone Antibiotics”
- Feb 2003 Clinical Update in Dermatology, Ophthalmology and Otolaryngology for Primary  
Care Physicians. “Hear no evil, see no evil, scratch no evil”  
UT Southwestern  
“Viral Disease: Ophthalmology”
- Feb 2003 Austin Ophthalmology Society  
Austin, TX  
“Fourth Generation Fluoroquinolones”
- March 2003 Alcon Speakers Alliance  
San Diego, CA  
“Postoperative treatments - fluoroquinolones”
- March 2003 Alcon International Instrumentation Seminar  
UT Southwestern  
“Cataracts: Type of cataracts, workups, indications for surgery, intraoperative  
complications, advanced techniques.”
- March 2003 Society of Air Force Clinical Surgeons  
San Antonio, Texas  
“New Fluoroquinolones”

- April 2003 Alcon Speakers Alliance for Family Physicians of Tarrant County  
Fort Worth, Texas  
“A Red Eye Update”
- April 2003 Alcon Speakers Alliance  
Tyler, Texas  
“New fluoroquinolone antibiotics”
- April 2003 Continuing Professional Education Cornea Program  
Alcon Cornea Preceptorship  
Fort Worth, Texas  
“Anti-inflammatory NSAIDS, Steroids”
- Aug 2003 LSU Resident Phacoemulsification Training  
Alcon Pharmaceuticals  
Fort Worth, Texas
- Oct 2003 Alcon International Instrumentation Seminar  
Alcon Pharmaceuticals  
“Cataracts: Types of Cataracts”
- Oct 2003 Anterior Segment Review for Optometrists  
UT Southwestern, Dallas, Texas  
“Custom vs Conventional Keratorefractive Surgery & Outcomes”  
“Custom Office Diagnostic Problems”
- Oct 2003 Surgical Refractive Education Course  
Zale Lipshy Laser Center for Vision  
Two-day didactic course for residents and fellows.
- Nov 2003 6<sup>th</sup> Annual Ophthalmology Review for Primary Care Physicians  
UT Southwestern, Dallas, Texas  
“Keratorefractive Surgery Update”
- March 2004 Hear No Evil, See No Evil, Scratch No Evil  
Clinical Update in Dermatology, Ophthalmology and Otolaryngology for Primary  
Care Physicians.  
UT Southwestern, Dallas, Texas  
“Viral Disease: Ophthalmology”
- March 2004 Austin Ophthalmological Society  
Austin, Texas  
“Allergy and Dry Eye Updates”
- April 2004 San Antonio Ophthalmological Society  
San Antonio, Texas  
“Allergy Updates”

- Aug 2004 Alcon Speakers Alliance  
Arlington Heights, Illinois  
“Allergy Update”
- Aug 2004 Alcon Speakers Alliance  
Grapevine, Texas  
“Red Eye and Eye Trauma”
- Sept 2004 Alcon Speakers Alliance  
Knoxville, Tennessee  
“Allergy Update”
- Sept 2004 Ophthalmology Review for the Primary Care Physician  
UT Southwestern – Dallas  
“Red Eye”
- Nov 2004 Parkland Perspectives (Radio Show)  
Interview with Mark Wells  
“Laser Keratorefractive Procedures”
- Feb 2005 Hear No Evil, See No Evil, Scratch No Evil  
UT Southwestern, Dallas, TX  
Lunch with the Experts  
“Refractive Surgery, LASIK, Refractive IOLs, and Presbyopic IOLs”
- Mar 2005 Chicago Ophthalmology Society  
Chicago, IL  
“Indications, patient selection, and converting to wavefront analysis in refractive surgery”
- Mar 2005 Alcon Speakers Alliance  
Pasadena, CA  
“Managing Ocular Allergies”
- Apr 2005 Alcon Speakers Alliance  
Tucson, AZ  
“Managing Ocular Allergies”
- Apr 2005 Alcon Speakers Alliance  
Peoria, IL  
“Managing Ocular Allergies”
- May 2005 Alcon Speakers Alliance  
Omaha, NE  
“Treating Allergic Conjunctivitis Effectively”

- May 2005 Alcon Speakers Alliance  
Des Moines, IA  
“Treating Allergic Conjunctivitis Effectively”
- May 2005 Alcon Speakers Alliance  
El Paso, TX  
“New Perspectives on Ocular Allergy and Quality of Life”
- June 2005 Alcon Speakers Alliance  
Portland, OR  
“Allergy Update”
- Aug 2005 Alcon Speakers Alliance  
Tyler, TX  
“Anti-Infective Update”
- Sept 2005 Alcon Speakers Alliance  
Birmingham, AL  
“Allergy Update”
- Sept 2005 Alcon International Instrumentation Seminar  
Dallas, TX  
Didactic: Cataracts
- Nov 2005 KVIL 103.7 Radio  
Dallas, TX  
Parkland Perspectives: LASIK Eye Surgery
- Dec 2005 Alcon Speakers Alliance  
Seattle, WA.  
“NSAID Update”
- Feb 2006 Alcon Speakers Alliance  
Syracuse, NY  
Update on NSAIDs
- April 2006 Alcon Speakers Alliance  
Montgomery, AL  
Allergy Update
- Alcon Speakers Alliance  
Ontario, CA  
Diagnosing and Treating Ocular Allergies
- June 2006 Virginia Society of Ophthalmology  
Virginia Beach, VA  
Cornea/Refractive

- August 2006 Alcon Speakers Alliance  
Dallas, Texas  
Ocular Infections
- Alcon Speakers Alliance  
St. Louis, MO  
Allergy Update
- Sept. 2006 Alcon Speakers Alliance  
Fort Worth, Texas  
LSU Residents Training
- Alcon Speakers Alliance  
Boise, ID  
Allergy/Dry Eye
- Alcon Speakers Alliance – Armed Services Meeting  
San Antonio, Texas  
ReSTOR IOL
- Ophthalmology Review for the Primary Care Physician  
UT Southwestern - Dallas  
Modern Management of Cataracts
- Jan. 2007 Travatan Z (BAK Free) - Dallas  
A New Advancement in the Treatment of Glaucoma
- Alcon Speakers Alliance  
Dallas, Texas  
Allergy Update
- Alcon Speakers Alliance  
Dallas, Texas  
Anti-Allergy
- Feb. 2007 Alcon Speakers Alliance  
Dallas, Texas  
Pataday
- May 2007 Alcon Speakers Alliance  
Little Rock, AR  
Ocular Infection / NSAID
- Alcon Speakers Alliance  
Shreveport, LA  
Ocular Infection / NSAID Update

- May 2007      Alcon Speakers Alliance  
Louisville, KY  
Allergy
- Alcon Speakers Alliance  
Seattle, WA  
Ocular Infection
- June 2007      Alcon Speakers Alliance  
Denver, CO  
Ocular Infections/NSAIDS
- Alcon Speakers Alliance  
Corpus Christi, Texas  
Toric
- July 2007      Alcon Speakers Alliance  
Knoxville, TN  
Ocular Infection/NSAID
- Aug. 2007      Alcon Speakers Alliance  
St. Louis, MO  
ReStor and Toric
- Alcon – Wet Lab  
Fort Worth, Texas  
LSU Residents Lecture
- Sept. 2007      Alcon Speakers Alliance – Dallas ER Physicians  
Dallas, Texas  
Diagnosing the Red Eye with an Emphasis on Allergic Conjunctivitis
- Ophthalmology Review for Primary Care Physicians  
UT Southwestern Medical Center at Dallas
- Oct. 2007      Alcon International Seminar  
UT Southwestern Medical Center at Dallas  
Didactic: Types of Cataracts, Work-ups, Indications for Surgery, Intra-operative  
Complications, etc.
- Nov. 2007      Alcon Speakers Alliance  
Fort Worth, Texas  
CPE Program Lecture
- Dec. 2007      Alcon Speakers Alliance  
Odessa, Texas  
ReStor and Toric

- March 2008 Alcon – MedEDirect Speaking Event  
Fayetteville, AR  
Ocular Infection/Inflammation
- March 2008 Alcon Labs Speaking Event  
Houston, TX  
Allergy
- April 2008 Alcon – MedEDirect  
Dallas, TX  
Red Eye: Ocular Allergy and Beyond
- April 2008 Alcon – Speakers Alliance  
Denver, CO  
Allergy
- April 2008 Alcon – Speakers Alliance  
Monroe, LA  
Postoperative Infections/Inflammation
- May 2008 Alcon – Speaker’s Alliance  
West Lake (5/14) & Encino, CA (5/15)  
Ocular Infection
- June 2008 Alcon – MedEDirect Speaking Event  
Shreveport, LA  
Post Operative Infection/Inflammation
- June 2008 Annual Resident & Alumni Day  
UT Southwestern Medical Center at Dallas  
Dallas, TX
- July 2008 Alcon Laboratories- MedEDirect Speaking Event  
Los Angeles/Pasadena, CA  
Ocular Infection/NSAID
- Aug 2008 Alcon/MedEDirect Speaking Event  
Little Rock, AR  
Ocular Infection/NSAID
- Sept 2008 Ophthalmology Grand Rounds Lecture Series  
Hersey, PA  
Current Status of Refractive Surgery
- Dec. 2008 Ophthalmology at the Crossroads: Still Exiting Times 2008  
UT Southwestern Medical Center at Dallas  
Dallas, TX

- Mar 2009 Nashville Academy of Ophthalmology Annual Meeting  
Vanderbilt University – Nashville, TN  
Ocular Infection Update
- April 2009 MedEDirect Speaking Event  
Buffalo, NY  
Emerging Trends in Preventing & Treating Ocular Infections
- Sept 2009 MedEDirect Speaking Event  
San Antonio, TX  
Emerging Trends in Preventing and Treating Ocular Infections
- MedEDirect Speaking Event  
Wichita, KS  
Emerging Trends in Preventing and Treating Ocular Infections
- Oct 2009 MedEDirect Speaking Event  
Houston, TX  
Ensuring Optimal Surgical Outcomes
- Nov 2009 MedEDirect Speaking Event  
Milwaukee, WI  
Emerging Trends in Preventing and Treating Ocular Infections
- Dec 2009 Alcon Speaking Event  
Shreveport, LA  
Pataday Lecture
- MedEDirect Speaking Event  
Chattanooga, TN  
Use of NSAID Therapy to Maximize Ophthalmic Surgery Outcomes
- Alcon Speaking Event  
Dallas, TX  
Pataday Lecture