

CURRICULUM VITAE

R. Wayne Bowman, M.D.

ADDRESS:

Department of Ophthalmology
The University of Texas Southwestern Medical Center at Dallas
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Dallas, TX 75390-9057
(214) 648-3847

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.

Residency (con't)

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

Other Appointments and Activities (con't)

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
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 (con't)

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 Board 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
- Listed in “Best Doctors in Dallas” by *D Magazine*, 2009
- Listed in “Best Doctors in Dallas” by *D Magazine*, 2010
- Listed in “Best Doctors in Dallas” by *D Magazine*, 2011
- Listed in “Best Doctors in Dallas” by *D Magazine*, 2012
- Listed in “Best Doctors in Dallas” by *D Magazine*, 2013
- Qualified and Listed in the Trusted LASIK Surgeons Directory, a LASIK and refractive surgeons 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, 2nd edition, p. 97-114, 2000.
7. Ta C, Bowman RW, McCulley JP: Ocular Bacteriology, In *Principles & Practice of Ophthalmology* 3rd 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.
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.

Articles (con't)

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 (2), 343-350, 2002.
15. Wang X, McCulley JP, Bowman RW, Cavanagh HD. Results of combined myopic astigmatic LASIK treatment and re-treatments. *CLAO J.* 28:55-60, 2002.
16. Wang X, Shen J, McCulley JP, Bowman RW, Petroll WM, Cavanagh HD. Intraocular pressure measurement after hyperopic LASIK. *CLAO Journal* 28:136-139, 2002.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.

Articles (con't)

26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. 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.
35. 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.
36. 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.

Articles (con't)

37. 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.
38. 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* 32(4):211-215, 2006.
39. 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 IntraLase. *Journal of Cataract and Refractive Surgery* 32: 1119-1128, 2006.
40. Ta C, Bowman RW, McCulley JP: Ocular bacteriology. In Albert & Jakobiec's Principles & Practice of Ophthalmology, 3rd edition, January 2006.
41. 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.
42. 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.
43. 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.
44. 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. *J Cataract & Refractive Sur* 33:6, 1045-1050, 2007.
45. Awwad ST, Lehmann JD, McCulley JP, Bowman RW: A comparison of higher order aberrations in eyes implanted with AcrySof IQ SN60Wf and AcrySof SN60AT Intraocular Lenses. *Eur J Ophthalmol* 17(3):320-326, 2007.
46. 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, Horizons Microkeratome and Intralase FS 60. Presented in part at Fall Educational Symposium of Cornea Society Eye Bank Association of America on November 9, 2007.
47. 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.

Articles (con't)

48. 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.
49. 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.
50. Verity SM, McCulley JP, Bowman RW, Cavanagh HD, Petroll WM: Outcomes of PermaVision intracorneal implants for the correction of hyperopia. *AM J Ophthalmol* Jun:147(6):973-977, 2009.
51. 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.
52. 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*: Jul:148(1):32-7.el, 2009.
53. 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.
54. Awwad ST, Bowman RW, Cavanagh HD, Alvarez, McCulley JP: Quality of life changes after wavefront-guided laser in situ keratomileusis in myopic patients. *Eye & Contact Lens* 35(3):128-131, 2009.
55. Pachigolla G, Prasher P, Mootha VV, Bowman RW, Di Pascuale MA, McHenry J, McCulley JP: Evaluation of the Role of ProKera™ in the Management of Ocular Surface and Orbital disorders. *ECL* 35 (4):196-202, 2009.
56. 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.
57. 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).
58. Mohamed E, Wojtowicz JC, Bowman RW: Corneal thickness association with ocular and corneal wavefront aberrations. *ECL* (2009, in press).

Articles (con't)

59. Dunn SP, Stark WJ, Stulting RD, Lass JH, et al. Including Bowman RW and Cavanagh HD in the Cornea Donor Study Investigator Group. The effect of ABO blood incompatibility on corneal transplant failure in conditions with low-risk of graft rejection. *Am J Ophthalmol* 147:432-438, 2009.
60. Kovoov TA, Mohamed E, Cavanagh HD, Bowman RW. Outcomes of LASIK and PRK in previous penetrating corneal transplant recipients. *Eye Contact Lens* 34(5): 242-5, 2009.
61. Prasher P, Muftuoglu O, Hsiao ML, Bowman RW, Hogan RN, Mootha VV. Epithelial downgrowth after Descemet stripping automated endothelial keratoplasty. *Cornea* Jul;28(6):708-11, 2009.
62. Mohamed EM, Muftuoglu O, Bowman W, Cavanagh HD, Mootha VV, Radwan GA, McCulley JP: Wavefront-guided ablation retreatment using iris registration. *Eye Contact Lens* 2010; 36:54-9.
63. Muftuoglu O, Dao L, Cavanagh HD, McCulley JP, Bowman RW: Limbal relaxing incisions at the time of apodized diffractive multifocal intraocular lens implantation to reduce astigmatism with or without subsequent laser in situ keratomileusis. *J Cataract Refract Surg* 2010;36(3):456-64.
64. Muftuoglu O, Prasher P, Bowman RW, McCulley JP, Mootha VV. Corneal higher-order aberrations after Descemet's stripping automated endothelial keratoplasty. *Ophthalmology* 2010;117(5):878-884.
65. Muftuoglu O, Dao L, Mootha VV, Verity SM, Bowman RW, Cavanagh HD, McCulley JP: Apodized diffractive intraocular lens implantation after laser in situ keratomileusis with or without subsequent excimer laser enhancement. *J Cataract Refract Surg* 2010;36(11):1815-21.
66. Parmar DN, Alizadeh H, Awwad S, Bowman RW, Cavanagh HD, McCulley JP: Contact lens-based expansion and transplantation of autologous epithelial progenitors for ocular surface reconstruction: crossover control. *Transplantation* 2010;89(4):483.
67. Lass JH, Sugar A, Benetz BA, Beck RW, Dontchev M, Gal RL, Kollman C, Gross R, Heck E, Holland EJ, Mannis MJ, RaberI, Stark W, Stulting RD; Cornea Donor Study Investigator Group. Endothelial Cell density to predict endothelial graft failure after penetrating keratoplasty. *Arch Ophthalmol.* 2010 Jan; 128(1): 63-9.
68. Allen MB, Lieu P, Mootha VV, Bowman RW, Petroll WM, Tong L, Kooner KS, Cavanagh HD, Whitson JT, Aggarwal NK. Risk factors for intraocular pressure elevation after descemet stripping automated endothelial keratoplasty. *Eye Contact Lens.* 2010 Jul; 36(4):223-7.

Articles (con't)

69. Prasher P, Muftuoglu O, Bowman RW, Cavanagh HD, McCulley JP, Mootha VV. Corneal power measurement with a rotating Scheimpflug imaging system after Descemet-stripping automated endothelial keratoplasty. *J Cataract Refract Surg.* 2010 Aug;36(8):1358-64.
70. Muftuoglu O, Dao L, Mootha VV, Verity SM, Bowman RW, Cavanagh HD, McCulley JP. Apodized diffractive intraocular lens implantation after laser in situ keratomileusis with or without subsequent excimer laser enhancement. *J Cataract Refract Surg.* 2010 Nov;36(11):1815-21.
71. Mootha VV, Heck E, Verity SM, Petroll WM, Lakshman N, Muftuoglu O, Bowman RW, McCulley JP, Cavanagh HD. Comparative Study of Descemet Stripping Automated Endothelial Keratoplasty Donor Preparation by Moria CBm Microkeratome, Horizon Microkeratome, and Intralase FS60. *Cornea.* 2010 Nov 17.
72. Mootha VV, Heck E, Verity SM, Petroll WM, Lakshman N, Muftuoglu O, Bowman RW, McCulley JP, Cavanagh HD. Comparative study of descemet stripping automated endothelial keratoplasty donor preparation by Moria CBm microkeratome, horizon microkeratome, and Intralase FS60. *Cornea.* 2011 Mar;30(3):320-4.
73. Symes MD, Kitson PJ, Yan J, Richmond CJ, Cooper GJ, Bowman RW, Vilbrandt T, Cronin L. Integrated 3D-printed reactionware for chemical synthesis and analysis. *Nat Chem.* 2012 Apr 15;4(5):349-54. doi: 10.1038/nchem.1313.
74. Gibson GM, Bowman RW, Linnenberger A, Dienerowitz M, Phillips DB, Carberry DM, Miles MJ, Padgett MJ. A compact holographic optical tweezers instrument. *Rev Sci Instrum.* 2012 Nov; 83(11):113107.
75. Kim SY, Muftuoglu O, Hogan RN, Bowman RW, Cavanagh HD, McCulley JP, Mootha VV. Histopathology and spectral domain OCT findings of pneumatic-assisted dissection in DALK. *Cornea.* 2012 Nov; 31(11):1288-93. doi: 10.1097/ICO.0b013e31824d0d23. PubMed PMID: 22511029.
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Articles (con't)

79. Bowman RW, Padgett MJ. Optical trapping and binding. *Rep Prog Phys*. 2013 Feb;76(2):026401. doi: 10.1088/0034-4885/76/2/026401.
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82. Awwad ST, Kilby A, Bowman RW, Verity SM, Cavanagh HD, Pessach Y, McCulley JP. The accuracy of the double-K adjustment for third-generation intraocular lens calculation formulas in previous keratorefractive surgery eyes. *Eye Contact Lens*. 2013 May;39(3):220-7.

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.
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Abstracts (con't)

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.
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14. Bowman RW, Anand R: Suturing of posterior chamber intraocular lenses. *Texas Medical Association* 1991.
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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. Hussein 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

Abstracts (con't)

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.
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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.
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26. Awan MH, Whitson JT, McCulley JP, Bowman RW, Cavanagh HD, Song J, Hertzog L: Effect of Betaxolol on Optic Nerve Head Topography and Retinal Nerve Fiber Layer Thickness During LASIK. *Invest Ophthalmol Vis Sci* 43 (Suppl):84, 2002.
27. Wang X, McCulley JP, Bowman RW, Cavanagh HD: Contact Lens Induced Corneal Warp in Patients Scheduled for Photorefractive Surgery. *Invest Ophthalmol Vis Sci* 43(Suppl):125, 2002.
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29. Oral D, Vargas JM, Seward M, Bowman RW, McCulley JP, Cavanagh HD: Results of LASIK after Radial Keratotomy. *Invest Ophthalmol Vis Sci* 43 (Suppl):166, 2002.
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.
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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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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.

Abstracts (con't)

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: Histopathology 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 eEndothelial keratoplasty. 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.
52. Mohamed, E.M., Arciniega, J.C., Wojtowicz, J.C., Bowman, R.W., McCulley, J.P., "Wavefront-Optimized LASIK Retreatment of Residual Refractive Errors", *JRS, in press.*
53. Muftuoglu, O., Prasher, P., Bowman, R.W., Cavanagh, H.D., McCulley, J.P., Mootha, V.V., "Corneal Power Measurements with the Pentacam Scheimpflug Imaging System after Descemet Stripping Automated Endothelial Keratoplasty", *JCRS* August 2010, Vol. 36, No. 8, pg 1358-1364.
54. Muftuoglu, O., Dao, L., Mootha, V.V., Verity S., Bowman, R.W., Cavanagh, H.D., McCulley, J.P., "ReSTOR after LASIK: Apodized Diffractive Intraocular Lens Implantation after LASIK with or without Subsequent Excimer", *JCRS* November 2010, Vol. 36, No. 11, pg. 1815-1821.
55. Mootha, V.V., Heck, E., Verity S., Petroll W.M., Lakshman, Muftuoglu, O.M., Bowman R.W., McCulley, J.P., Cavanagh, H.D "Comparative Study of DSAEK Donor Preparation by Moria ALTK Microkeratome, Horizon Microkeratome, and Intalase FS 60, March 2011, *Cornea*, Volume 30, Number 3, pp. 320-324.

Abstracts (con't)

56. Louttit MD, Kopplin LJ, Igo, Jr RP, Fondran JR, Tagliaferri A, Bardenstein D, Aldave AJ, Croasdale CR, Price M, Rosenwasser GO, Lass JH, Iyengar SK for the Fuchs' Genetics Multi-center Study Group: A multi-center study to map genes for Fuchs' Endothelial Corneal Dystrophy: Baseline Characteristics and Heritability. *Cornea*, Vol. 31, No.1, pp 26-35.

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"

Presentations (con't)

- 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”

Presentations (con't)

- 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”

Presentations (con't)

- 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”

Presentations (con't)

- 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 Country 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”

Presentations (con't)

- 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”

Presentations (con't)

- 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”

Presentations (con't)

- 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”

Presentations (con't)

- 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”

Presentations (con't)

- 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”

Presentations (con't)

- June 2001 2001 Albany Ophthalmology Update
Scotia, NY
“Allergic Conjunctivitis”
“Postop Complications of LASIK I”
“Postop Complications of LASIK II”
- Aug. 2001 4th 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 4TH Gostin Lecture and Ophthalmology 20th 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”

Presentations (con't)

- 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 5th Annual Ophthalmology Review for the Primary Care Physicians
UT Southwestern
Dallas, Texas
“Keratorefractive Surgery Update”
- Oct. 2002 5th Annual Ophthalmology Review for Optometrists: Posterior Segment
UT Southwestern
Dallas, Texas
“Getting Light to the Retina: Keratorefractive Surgery Update”
- Dec. 2002 18th 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”

Presentations (con't)

- 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 6th 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”

Presentations (con't)

- 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”

Presentations (con't)

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

Presentations (con't)

- 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
- Alcorn 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

Presentations (con't)

- Feb. 2007 Alcon Speakers Alliance
Dallas, Texas
Pataday
- May 2007 Alcon Speakers Alliance
Little Rock, AR
Ocular Infection / NSAID
- May 2007 Alcon Speakers Alliance
Shreveport, LA
Ocular Infection / NSAID Update
- 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

Presentations (con't)

- 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

Presentations (con't)

- 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

Presentations (con't)

- Dec 2009 Alcon Speaking Event
Shreveport, LA
Pataday
- MedEDirect Speaking Event
Chattanooga, TN
Use of NSAID Therapy to Maximize Ophthalmic Surgery Outcomes
- Dec 2009 Alcon Speaking Event
Dallas, TX
Pataday
- UT Southwestern Medical Center
Ophthalmology at the Crossroads/T. Boone Pickens Biomedical Building
Dallas, Texas
- April 2010 Texas Ophthalmological Association
Fort Worth, TX
Keratorefractive Surgery
- MedEDirect Speaking Event
NSAIDs in Ophthalmic Surgery
Charlotte, NC
- May 2010 Alcon Speaking Event
Dallas, TX
Pataday
- Association of Surgical Technologists (AST) National Conference
Grapevine, TX
Evolution of Cataract Surgery and Intraocular Lens Implants
- June 2010 Alcon Speaking Event
Lafayette, LA
Pataday
- Alcon Speaking Event
Little Rock, AR
Pataday – Ocular Allergy Update
- MedEDirect Speaking Event
Omaha, NE
NSAID Therapy to Maximize Ophthalmic Surgery Outcomes

Presentations (con't)

- July 2010 Alcon Speaking Event
Lubbock, TX
Durezol
- Alcon Speaking Event
El Paso, TX
Pataday
- July 2010 American Society of Ophthalmic Registered Nurses (ASORN)
Fort Worth
Ophthalmic Update
- Aug 2010 Alcon Speaking Event
San Antonio, TX
Durezol & the Use With Post Op Cataract
- MedEDirect Speaking Event
Panama City Beach, FL
NSAID Therapy to Maximize Ophthalmic Surgery Outcomes
- Sept 2010 Alcon Speaking Alliance
LSU Resident Day Lecture/Wet Lab
- MedEDirect Speaking Event
Midlothian, VA
Anti-Inflammatory/NSAIDS
- Nov 2010 Review of Ophthalmology CPE Course
Fort Worth, Texas
Flap Complications Lasik and Prevention and Management of PRK Complications
- Dec 2010 Alcon Speaking Event
Shreveport, LA
Tobradex ST
- UT Southwestern Medical Center
Ophthalmology at the Crossroads/T. Boone Pickens Biomedical Building
Dallas, Texas
- Feb 2011 Alcon Speaking Event
Dallas, TX
Ocular Pain & Inflammation – Durezol

Presentations (con't)

Mar 2011	Alcon Speaking Event Dallas, TX Pataday
	Alcon Speaking Event Austin, TX Allergy Update
Apr 2011	Alcon Speaking Event Southlake, TX Ocular Allergies
	Alcon Speaking Event Little Rock, AR Ocular Allergies
May 2011	Texas Ophthalmological Association Houston, Texas Cornea/External Disease Update
June 2011	Alcon Speaking Event Little Rock, AR Pataday
	Alcon Speaking Event Dallas, Texas Ocular Allergies
July 2011	Alcon Speaking Event Southlake, TX Durezol Speaker Training
Nov 2011	Review of Ophthalmology CPE Course Fort Worth, Texas Flap Complications Lasik and Prevention and Management of PRK Complications
Sept 2012	Alcon Speaking Event San Antonio, TX Advanced Technology IOL
Oct. 2012	Review of Ophthalmology Cornea Fellows CPE Course Fort Worth, Texas Astigmatism Management, Topography and Toric IOLs Flap Complications Lasik and Prevention and Management of PRK Complications

14th Annual Ophthalmology Review for the Primary Care Physician
Dallas, Texas
Cataracts

Dec. 2012 UT Southwestern Medical Center
Ophthalmology at the Crossroads/T. Boone Pickens Biomedical Building
Dallas, Texas
Refractive IOLs

April 2013 American Society of Ophthalmic Registered Nurses (ASORN)
Fort Worth
Ophthalmic Update

Aug. 2013 LSU Resident Day Lecture/Wet Lab
Alcorn Laboratories
Fort Worth, TX