

CURRICULUM VITAE

R. Wayne Bowman, M.D.

Professor

Cornea, External Disease, Refractive, and Cataract Surgery

UT Southwestern Medical Center

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LICENSURE:

Texas - G1861

American Board of Ophthalmology, Diplomate 06/07/86

Missouri - R9204 (inactive)

EDUCATION/TRAINING:

Fellowship	University of Texas Health Science Center at Houston Corneal and External Disease	1982-1984
Residency	University of Missouri Medical School, Columbia, Missouri Ophthalmology	1979-1982
Post-Graduate	Lancaster Course in Ophthalmology	1979
Residency - IM	University of Missouri Medical School, Columbia, Missouri Internal Medicine	1977-1979
Internship	University of Missouri Medical School, Columbia, Missouri Internal Medicine	1976 - 1977
Graduate	University of Missouri Medical School, Columbia, Missouri M.D., Doctor of Medicine	1976
Undergraduate	University of Missouri – Columbia, Columbia, Missouri Bachelor of Arts in English: <i>Honors</i>	1972

ACADEMIC & RESEARCH APPOINTMENTS:

Clinical Instructor	University of Texas Health Science Center at Houston	1983 - 1984
Assistant Professor	University of Texas Southwestern Medical Center at Dallas Department of Ophthalmology	1984 - 1991
Associate Professor	University of Texas Southwestern Medical Center at Dallas Department of Ophthalmology	1991 - 1999
Associate Professor	Irene Wadel and Robert I. Atha, Jr. Professorship in Ophthalmology in Honor of R. Wayne Bowman, M.D.	1999 – 2000
Professor	Irene Wadel and Robert I. Atha, Jr. Professorship in Ophthalmology in Honor of R. Wayne Bowman, M.D.	2000 – present

OTHER APPOINTMENTS AND ACTIVITIES:

Pharmacy and Therapeutics Committee, Parkland Memorial Hospital, Dallas, Texas	1984 - 1990
Faculty Advisory Council, Aston Ambulatory Care Center, The University of Texas Southwestern Medical Center at Dallas, Dallas, Texas	1986 - 1999
Operations Subcommittee, Aston Ambulatory Care Center, The University of Texas Southwestern Medical Center at Dallas	1989 - 1995
Faculty Senate - The University of Texas Southwestern Medical Center at Dallas	1989 - 1994
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 - 1992
Medical Advisory Board of Transplant Services Center, The University of Texas Southwestern Medical Center at Dallas	1991 - 1997
Zale Lipshy University Hospital - Physicians' Practice Committee	1994 - 1997
Zale Lipshy University Hospital Medical Advisory Board	1993
Clinical Council - The University of Texas Southwestern Medical Center at Dallas	1993
UT Health Systems - Systems and Service Quality Improvement Committee	1996
Zale Lipshy University Hospital Laser Center for Vision - Board of Directors	1996
Six-Year Clinical Planning Committee – The University of Texas Southwestern Medical Center at Dallas	1997
Faculty Tribunal Panel - The University of Texas Southwestern Medical Center at Dallas	1999

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. - *inactive*
 Ioptex Research, Inc. - *inactive*
 Cryooptics (epikeratophakia) - *inactive*
 Allergan Pharmaceuticals - *inactive*
 Meditec Laser - *inactive*
 VISX - *inactive*

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.
 Flurbuprofen 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 Group
Eye Bank Association of America
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 - 1989

Director of Inpatient Services
Parkland Memorial Hospital
1986 - 1990

TEACHING:

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

VISX Excimer Laser Training Program, 1996 – present
-Serva Ophthalmology Course - Cataract Surgery
Course Director - 1997 - 1998
-Chiron Microkeratome Certified Trainer - 1996 - 2007
-Moria Microkeratome Certified Trainer – 1999

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

Cornea and External Disease Clinic, 1984 – 1998
Children’s Medical Center, Dallas, Texas

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

Parkland Memorial Hospital, Dallas, Texas

Cataract Surgery - 1987 - 1990

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

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

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

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

HONORS:

Irene Wadel and Robert I. Atha, Jr. Professorship in Ophthalmology
in Honor of R. Wayne Bowman, M.D., 1999
Listed in "Best Doctors in Dallas" by *D Magazine*, 2003-Present
Listed in Super Doctors, Texas Monthly Magazine, 2007-Present
Listed in the Trusted LASIK Surgeons Directory, ongoing
Listed in America Top 10 Dallas LASIK Surgeons, ongoing
Listed in Best Doctors in America Database, ongoing
Listed in Castle Connolly Top Doctors Database, ongoing
Fellow, American College of Surgeons, 1990-1996
Fellow, American Board of Ophthalmology, 1986
Outstanding Achievement as a Resident: 1977-78; 1978-79
Outstanding Achievement as an Intern: 1976 - 1977

HOSPITAL STAFF APPOINTMENTS:

Clements University Hospital, Dallas, Texas	2014 - present
Zale Lipshy University Hospital, Dallas, Texas	2004 - present
Moncrief Medical Center, Fort. Worth, Texas	2017 - present
Parkland Memorial Hospital, Dallas, Texas	1984 - present
John Peter Smith Hospital, Fort Worth, Texas	1984 - present
Children's Medical Center, Dallas, Texas	1984 - present
Veterans Affairs Medical Center, Dallas, Texas	1984 - present
Park Central Surgical Center, Dallas, Texas	2004 - 2005
Plaza Day Surgery, Fort. Worth, Texas	2004 - 2017
St. Paul University Hospitals, Dallas, Texas	1984 - 2014
Hermann Hospital, Houston, Texas	1983 - 1984

BOOK CHAPTERS:

1. Ta C, Bowman RW, McCulley JP: Ocular Bacteriology, In *Principles & Practice of Ophthalmology* 3rd Edition, 2009.

BOOK CHAPTERS (cont.)

2. 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.
3. 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.
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: Ocular Bacteriology, In *Principles and Practice in Ophthalmology*, Ed. Albert DM and Jakobiec FA. WB Saunders, Philadelphia, PA, p. 816-834, 1993.
6. Bowman RW, McCulley JP: Relapsing Polychondritis, In *The Eye in Systemic Disease*, Ed. Gold D, Weingeist T. Lippincott & Co., 1990
7. 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

ARTICLES:

1. Chronic blepharitis and dry eyes.
Bowman RW, Dougherty JM, McCulley JP. *Internatl. Ophthalmol Clin*, 27:27-35, 1987
2. Suprofen treatment of contact lens associated giant papillary conjunctivitis.
Wood TS, Stewart RH, Bowman RW, McCulley JP, Reeves TA. *Ophthalmology* 95:822-826, 1988
3. The effect of currently available contact lens disinfection systems on *Acanthamoeba castellanii* and *Acanthamoeba polyphaga*.
Silvany RE, Dougherty JM, McCulley JP, Wood TS, Bowman RW, Moore MB. *Ophthalmology* 97:286-290, 1990
4. Simplified technique for suturing dislocated posterior chamber intraocular lens to the ciliary sulcus.
Anand R, Bowman RW. *Arch Ophthalmol* 108:1205-1206, 1990
5. The use of conjunctival flaps in the treatment of herpes keratouveitis.
Brown DD, McCulley JP, Bowman RW, Halsted MA. *Cornea* 11:44-46, 1992
6. Vision correction by surgery.
Bowman RW. *Dallas Medical Journal* 84:318-319, 1998
7. Reliability of intraocular pressure measurements after myopic excimer photorefractive keratectomy.
Abbasoglu OE, Bowman RW, Cavanagh HD, McCulley JP: *Ophthalmology* 105:2193-2196, 1998

ARTICLES (cont.)

8. Hyphema caused by a metallic intraocular foreign body during magnetic resonance imaging. Ta CN, Bowman RW. *Am Journal Ophthalmol.* 129:533-534, 2000
9. Excimer laser treatment of spherical hyperopia: PRK or LASIK? El-Agha MS, Johnston EW, Bowman RW, Cavanagh HD, McCulley JP. *Transactions of the American Ophthalmological Society* 98:59-66, discussion 66-69, 2000
10. Surgically induced astigmatism after hyperopic and myopic photorefractive keratectomy. Yi DH, Petroll M, Bowman RW, McCulley JP, Cavanagh HD. *Journal of Cataract and Refractive Surgery* 27:396-403, 2001
11. Results of myopic astigmatic LASIK with VISX Star excimer. Wang X, McCulley JP, Bowman RW, Cavanagh HD. *J Cat Refract Surg* 2001
12. Patient satisfaction after LASIK for myopia. Miller AE, McCulley JP, Bowman RW, Cavanagh HD, Wang XH. *CLAO Journal* 27;84-88, 2001
13. The use of in vivo confocal microscopy through-focusing in measuring corneal flap thickness after LASIK. Gokmen F, McCulley JP, Bowman RW, Petroll WM, Jester JV, Cavanagh HD. *J Cataract & Refractive Surgery* 28:962-970, 2002
14. Possible role of vitamin E solubilizer in topical diclofenac on matrix metalloproteinase expression in corneal melting: an analysis of postoperative keratolysis. Hargrave SL, Jung JC, Fini ME, Gelender H, Cather C, Guidera A, Udell I, Fisher S, Jester JV, Bowman RW, McCulley JP, Cavanagh HD. *Ophthalmology* 109 (2), 343-350, 2002
15. Results of combined myopic astigmatic LASIK treatment and re-treatments. Wang X, McCulley JP, Bowman RW, Cavanagh HD. *CLAO J.* 28:55-60, 2002
16. Intraocular pressure measurement after hyperopic LASIK. Wang X, Shen J, McCulley JP, Bowman RW, Petroll WM, Cavanagh HD. *CLAO Journal* 28:136-139, 2002
17. Time to resolution of contact lens-induced corneal warpage prior to refractive surgery. Wang X, McCulley JP, Bowman RW, Cavanagh HD. *The CLAO J* 28:169-171, 2002
18. In Vivo Confocal Microscopy Through-Focusing to Measure Corneal Flap Thickness after last in situ Keratomileusis. Gokmen F, McCulley JP, Bowman RW, Petroll WM, Jester JV, Cavanagh HD. *J Cataract & Refractive Surgery* 28(6): 962-970, 2002
19. PRK versus LASIK for the treatment of spherical hyperopia. El-Agha S, Johnson E, Bowman RW, Cavanagh HD, McCulley JP. *Eye & Contact Lens* 29:31-17, 2003
20. Photorefractive Keratectomy versus Laser in situ Keratomileusis for the Treatment of Spherical Hyperopia. El-Agha S, Johnston E, Bowman RW, Cavanagh HD, McCulley JP. *Eye & Contact Lens* 29:31-37, 2003

ARTICLES (cont.)

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

ARTICLES (cont.)

32. Wavefront-guided in situ keratomileusis with the Alcon CustomCornea and the VISX CustomVue: three month results.
McCulley JP, Awwad ST, El Kateb M, Bowman RW, Cavanagh HD. ISRS/AAO joint meeting, 2004, paper
33. Central corneal thickness in patients with congenital aniridia.
Whitson JT, Liang C, Godfrey DG, Petroll WM, Cavanagh HD, Patel D, Fellman RL, Starita RJ. *Eye & Contact Lens* ;31:221-224, 2005
34. Results of penetrating keratoplasty for visual rehabilitation after Acanthamoeba keratitis.
Awwad ST, Haithcock KK, Oral D, Bowman RW, Cavanagh HD, McCulley JP. *J Refract Surg* 21 (6): S792-S798, 2005
35. Results of penetrating keratoplasty for visual rehabilitation after Acanthamoeba keratitis.
Awwad ST, Parmar DN, Heilman M, Bowman RW, McCulley JP, Cavanagh HD. *Am J Ophthalmol* 140 (6):1080-1084, 2005
36. Ocular surface restoration using non-surgical transplantation of tissue-cultured human amniotic epithelial cells.
Parmar DN, Alizadeh H, Awwad ST, Li H, Neelam H, Bowman RW, Cavanagh HD, McCulley JP. *Am J Ophthalmol* 141 (2): 299-307, 2006
37. Tandem scanning confocal corneal microscopy in the diagnosis of suspected Acanthamoeba keratitis.
Parmar DN, Awwad ST, Petroll WM, Bowman RW, McCulley JP, Cavanagh HD. *Ophthalmology* 113 (4):538-574, 2006
38. Evaluation of intrastromal lipid deposits after intacs implantation using in vivo confocal microscopy.
Ly LT, B.S., McCulley JP, Verity SM, Cavanagh HD, Bowman RW, Petroll WM. *Eye & Contact Lens* 32(4):211-215, 2006
39. Confocal assessment of the corneal response to intracorneal lens insertion and LASIK with flap creation using IntraLase.
Petroll WM, Goldberg D, Lindsey SS, Kelly P, Cavanagh HD, Bowman RW, Parmar D, Verity SM, McCulley JP. *Journal of Cataract and Refractive Surgery* 32: 1119-1128, 2006
40. Ocular bacteriology.
Ta C, Bowman RW, McCulley JP: In Albert & Jakobiec's Principles & Practice of Ophthalmology, 3rd edition, January 2006
41. Objective & subjective visual outcomes of wavefront-guided laser in situ Keratomileusis for low to moderate myopes using the LADAR CustomCornea & the VISX CustomVue. Awwad S, Bowman RW, Cavanagh HD, McCulley JP. *JRS* Volume 23 (1):26-37, 2007
42. Prospective evaluation of PermaVision intracorneal implants using in vivo confocal microscopy.
Lindsey SS, McCulley JP, Cavanagh HD, Bowman RW, Verity S, Mootha V, Petroll WM. *JRS* 23(4):410-413, 2007

ARTICLES (cont.)

43. Comparison of the corneal response to Laser in situ Keratomileusis with flap creation using the FS15 and FS30 Femtosecond Lasers.
Hu M, McCulley JP, Cavanagh HD, Bowman RW, Verity s, Mootha V, Petroll WM. *JCRS* 33 (4): 2007
44. Intraocular lens power calculation after radial keratotomy: estimating the refractive corneal power.
Awwad S, Dwarakanathan S, Bowman RW, Cavanagh HD, Verity SS, Mootha V, McCulley JP. *J Cataract & Refractive Sur* 33:6, 1045-1050, 2007
45. A comparison of higher order aberrations in eyes implanted with AcrySof IQ SN60Wf and AcrySof SN60AT Intraocular Lenses.
Awwad ST, Lehmann JD, McCulley JP, Bowman RW. *Eur J Ophthalmol* 17(3):320-326, 2007
46. Comparative study of DSAEK donor preparation by Moria ALTK Microkeratome, Horizons Microkeratome and Intralase FS 60.
Mootha V, Heck E, Verity S, Petroll WM, Lakshman N, Muftuoglu O, Bowman RW, McCulley JP, Cavanagh HD. Presented in part at Fall Educational Symposium of Cornea Society Eye Bank Association of America on November 9, 2007
47. Comparison of the corneal response to LASIK with flap creating using IntraLase® FS15 and FS30 Lasers: Clinical and Confocal Microscopy Findings.
Petroll WM, Hu M, McCulley JP, Cavanagh HD, Bowman RW, Verity S, Mootha V. *JCRS* 33:673-681, 2007
48. Intraocular lens calculations in eyes after myopic keratorefractive surgery.
Awwad S, Manasseh, Bowman RW, Cavanagh HD, Verity S, Mootha V, McCulley JP. *JCRS* 34 (7):1070-1076, 2008
49. Changes in higher aberration after accommodation in myopic waveFront guided Lasik candidates.
Awwad ST, Bowman RW, Cavanagh HD, Warmerdam S, Lee D, McCulley JP. *JRS* 25 (2):171-172, 2009
50. Outcomes of PermaVision intracorneal implants for the correction of hyperopia.
Verity SM, McCulley JP, Bowman RW, Cavanagh HD, Petroll WM. *AM J Ophthalmol* Jun:147(6):973-977, 2009
51. Corneal refractive power estimation and intraocular lens calculation after hyperopic LASIK.
Awwad St, Kelley PS, Bowman RW, Cavanagh HD, McCulley JP. *Ophthalmology* 116 (3):393-400, 2009
52. Corneal deturgescence after descemet stripping automated endothelial keratoplasty evaluated by Visante anterior segment optical coherence tomography.
Di Pascuale MA, Prasher P, Schlecte C, Arey ML, Bowman RW, Cavanagh HD, McCulley JP, Mootha VV. *American Journal of Ophthalmology*. Jul:148(1):32-7.el, 2009
53. LASIK for residual refractive errors after apodized diffractive multifocal intraocular lens implantation.
Muftuoglu O, Prasher P, Chu C, Mooth VV, Verity S, Bowman RW, Cavanagh HD, McCulley JP. *JCRS* 35(6): 1063-1071, 2009

ARTICLES (cont.)

54. Quality of life changes after wavefront-guided laser in situ keratomileusis in myopic patients.
Awwad ST, Bowman RW, Cavanagh HD, Alvarez, McCulley JP. *Eye & Contact Lens* 35(3):128-131, 2009
55. Evaluation of the Role of ProKera™ in the Management of Ocular Surface and Orbital disorders.
Pachiogolla G, Prasher P, Mootha VV, Bowman RW, Di Pascuale MA, McHenry J, McCulley JP. *ECL* 35 (4):196-202, 2009
56. Tandem scanning confocal microscopy of cornea after descemet stripping automated endothelial keratoplasty.
Prasher P, Muftuoglu O, Bowman RW, McCulley JP, Petroll WM, Cavanagh HD. Mootha VV: *ECL* 35 (4):196-202, 2009
57. Corneal deturgence after descemet's stripping automated endothelial keratoplasty evaluated by Visante™ Anterior Segment.
Di Pascuale MA, Prasher P, Schlecte, Arey ML, Bowman RW, Cavanagh HD, McCulley JP, Mootha VV. *AJO OCT*. (2009, in press)
58. Corneal thickness association with ocular and corneal wavefront aberrations.
Mohamed E, Wojtowicz JC, Bowman RW. *ECL* (2009, in press)
59. The effect of ABO blood incompatibility on corneal transplant failure in conditions with low-risk of graft rejection.
Dunn SP, Stark WJ, Stulting RD, Lass JH, et al. Including Bowman RW and Cavanagh HD in the Cornea Donor Study Investigator Group. *Am J Ophthalmol* 147:432-438, 2009
60. Outcomes of LASIK and PRK in previous penetrating corneal transplant recipients. Kovoor TA, Mohamed E, Cavanagh HD, Bowman RW. *Eye Contact Lens* 34(5): 242-5, 2009
61. Epithelial downgrowth after Descemet stripping automated endothelial keratoplasty. Prasher P, Muftuoglu O, Hsiao ML, Bowman RW, Hogan RN, Mootha VV. *Cornea* Jul:28(6):708-11, 2009
62. Wavefront-guided ablation retreatment using iris registration.
Mohamed EM, Muftuoglu O, Bowman W, Cavanagh HD, Mootha VV, Radwan GA, McCulley JP. *Eye Contact Lens* 2010; 36:54-9
63. Limbal relaxing incisions at the time of apodized diffractive multifocal intraocular lens implantation to reduce astigmatism with or without subsequent laser in situ keratomileusis.
Muftuoglu O, Dao L, Cavanagh HD, McCulley JP, Bowman RW. *J Cataract Refract Surg* 2010;36(3):456-64
64. Corneal higher-order aberrations after Descemet's stripping automated endothelial keratoplasty.
Muftuoglu O, Prasher P, Bowman RW, McCulley JP, Mootha VV. *Ophthalmology* 2010;117(5):878-884
65. Apodized diffractive intraocular lens implantation after laser in situ keratomileusis with or without subsequent excimer laser enhancement.
Muftuoglu O, Dao L, Mootha VV, Verity SM, Bowman RW, Cavanagh HD, McCulley JP. *J Cataract Refract Surg* 2010;36(11):1815-21

ARTICLES (cont.)

66. Contact lens-based expansion and transplantation of autologous epithelial progenitors for ocular surface reconstruction: crossover control.
Parmar DN, Alizadeh H, Awwad S, Bowman RW, Cavanagh HD, McCulley JP. *Transplantation* 2010;89(4):483
67. Cornea Donor Study Investigator Group. Endothelial Cell density to predict endothelial graft failure after penetrating keratoplasty
Lass JH, Sugar A, Benetz BA, Beck RW, Dontchev M, Gal RL, Kollman C, Gross R, Heck E, Holland EJ, Mannis MJ, Raberl, Stark W, Stulting RD. *Arch Ophthalmol.* 2010 Jan; 128(1): 63-9
68. Risk factors for intraocular pressure elevation after descemet stripping automated endothelial keratoplasty.
Allen MB, Lieu P, Mootha VV, Bowman RW, Petroll WM, Tong L, Kooner KS, Cavanagh HD, Whitson JT, Aggarwal NK. *Eye Contact Lens.* 2010 Jul; 36(4):223-7
69. Corneal power measurement with a rotating Scheimpflug imaging system after Descemet-stripping automated endothelial keratoplasty.
Prasher P, muftuoglu O, Bowman RW, Cavanagh HD, McCulley JP, Mootha VV. *J Cataract Refract Surg.* 2010 Aug; 36 (8): 1358-64
70. Apodized diffractive intraocular lens implantation after laser in situ keratomileusis with or without subsequent excimer laser enhancement.
Muftuoglu O, Dao L, Mootha VV, Verity SM, Bowman RW, Cavanagh HD, McCulley JP. *J Cataract Refract Surg.* 2010 Nov; 36(11):1815-21
71. Comparative Study of Descemet Stripping Automated Endothelial Keratoplasty Donor Preparation by Moria CBm Microkeratome, Horizon Microkeratome, and Intralase FS60.
Mootha VV, Heck E, Verity SM, Petroll WM, Lakshman N, Muftuoglu O, Bowman RW, McCulley JP, Cavanagh HD. *Cornea.* 2010 Nov 17
72. Comparative study of descemet stripping automated endothelial keratoplasty donor preparation by Moria CBm microkeratome, horizonmicrokeratome, and Intralase FS60.
Mootha VV, Heck E, Verity SM, Petroll WM, Lakshman N, Muftuoglu O, Bowman RW, McCulley JP, Cavanagh HD. *Cornea.* 2011 Mar; 30(3):320-4
73. Histopathology and spectral domain OCT findings of pneumatic-assisted dissection in DALK. Kim SY, Muftuoglu O, Hogan RN, Bowman RW, Cavanagh HD, McCulley JP, Mootha VV. *Cornea.* 2012 Nov; 31(11):1288-93. doi: 10.1097/ICO.0b013e31824d0d23. PubMed PMID: 22511029
74. Features of Urrets-Zavalía syndrome after descemet stripping automated endothelial keratoplasty. Anwar DS, Chu CY, Prasher P, Bowman RW, Mootha VV. *Cornea* 2012 Nov;31(11):1330-4
75. Sarnicola air-visco bubble technique in deep anterior lamellar keratoplasty.
Muftuoglu O, Toro P, Hogan RN, Bowman RW, Cavanagh HD, McCulley JP, Mootha VV, Sarnicola V. *Cornea.* 2013 Apr; 32(4):527-32

ARTICLES (cont.)

76. The accuracy of the double-K adjustment for third-generation intraocular lens calculation formulas in previous keratorefractive surgery eyes.
Awwad ST, Kilby A, Bowman RW, Verity SM, Cavanagh HD, Pessach Y, McCulley JP. *Eye Contact Lens* 2013 May; 39(3):220-7
77. The effect of donor diabetes history on graft failure and endothelial cell density 10 years after penetrating keratoplasty.
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2. Sensitivity of Acanthamoeba to standard soft contact lens disinfection methods.
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3. The effects of preservatives in contact lens solutions on two species of Acanthamoeba. Silvany RE, Wood TS, Bowman RW, McCulley JP. *Invest Ophthalmol Vis Sci* 27 (ARVO Suppl): 35, 1986
4. Giant papillary conjunctivitis: treatment with Suprofen, a topical nonsteroidal anti-inflammatory agent.
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5. Acanthamoeba keratitis: a growing problem in soft and hard contact lens wearers.
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6. Penetrating keratoplasty with K-Sol corneas.
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7. Transplantation of tissue-cultured human corneal endothelium onto rabbit corneas.
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8. The effect of preservatives in contact lens solutions on two species of acanthamoeba. Silvany RE, Wood TS, Bowman RW, McCulley JP. *Invest Ophthalmol Vis Sci* 27 (ARVO Suppl): 371, 1987
9. The effect of preservatives on two species of Acanthamoeba.
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11. The effect of contact lens solutions on two species of Acanthamoeba. Silvany RE, Wood TS, Bowman RW, Moore MB, McCulley JP. *Invest Ophthalmol Vis Sci* 29 (ARVO Suppl): 253, 1988
12. Fibronectin eyedrops in nonhealing corneal epithelial defects. Jenevein SS, Nguyen HL, Bowman RW, McCulley JP. *Ophthalmology* 96 (Suppl): 119, 1989
13. Fibronectin eyedrops in nonhealing corneal epithelial defects. Jenevein SS, Nguyen HL, Bowman RW, McCulley JP, Horowitz M. *Invest Ophthalmol Vis Sci* 31 (ARVO Suppl.): 315, 1990
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16. Changes in corneal topography after removal of rigid contact lenses in candidates for refractive surgery. Pillai CT, Bowman RW, Wilson SE, Klyce SD. *Invest Ophthalmol Vis Sci* 35:1739, 1994
17. Histochemistry and microbiology of nocardia keratitis, series of three cases. Hussein ZM, Bowman RW, Wilson SE. *Invest Ophthalmol Vis Sci* 35:1676, 1994
18. Accuracy of intraocular pressure measurements after myopic excimer PRK. Abbasoglu OE, McCulley JP, Bowman RW, Cavanagh HD. *Ophthalmology* 105(suppl):162, 1997
19. Results of myopic astigmatic LASIK with VISX Star excimer. Wang X, McCulley JP, Bowman RW, Cavanagh HD. *Invest Ophthalmol Vis Sci* 40(Suppl): S894, 1999
20. Comparing surgically induced astigmatism following hyperopic or myopic photorefractive keratectomy. Yi DH, Bowman RW, McCulley JP, Cavanagh HD. *Invest Ophthalmol Vis Sci* 41:S690, 2000
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El-Kateb, M, Awwad ST, Bowman W, Cavanagh HD, McCulley JP. ARVO ABS 2004
34. LADARVision CustomCornea LASIK for myopic/astigmatic eyes: quantitative and qualitative results.
Awwad ST, El-Kateb M, Bowman W, Cavanagh HD, McCulley JP. ARVO ABS 2004
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42. Changes in higher order aberrations with accommodation in wavefront-guided laser in situ keratomileusis myopic candidates.
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43. Optimizing corneal power calculation after myopic keratorefractive surgery.
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45. Evaluation of the accuracy of the Double-K adjusted IOL calculation after keratorefractive surgery.
Awwad ST, Kilby A, Bowman RW, Cavanagh HD, Verity S, McCulley JP. ASCRS 2007, Session: 3-M
46. Anterior and posterior corneal higher order aberrations after DSAEK.
Prasher P, Muftuoglu O, Bowman RW, Mootha V, McCulley JP. ARVO 2008, Eyes on Innovation, Program Number 237: Surface and Physical Properties, Session: 1546
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Hsiao M, Prasher P, Hogan N, Bowman RW, Mootha V, McCulley JP. ARVO 2008, Eyes on innovation, program number 293: Corneal transplantation and lamellar Surgery II, Session: 2323
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49. Corneal Parameters measured by pentacam after descemet stripping automated eEndothelial keratoplasty.
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51. Corneal thickness association with ocular and corneal wavefront aberrations. ARVO 2009 Reducing Disparities in Eye Disease and Treatment. Mohamed EM, Wojowicz JC, Bowman RW, Cavanagh HD, Mootha V, Verity S, McCulley JP. 226 Clinical Ocular Inflammatory Disease II, Session 1566-D811 and *Invest. Oph. Vis. Sci.* 2009
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55. Comparative Study of DSAEK Donor Preparation by Moria ALTK Microkeratome, Horizon Microkeratome, and Intalase FS 60. Mootha, V.V., Heck, E., Verity S., Petroll W.M., Lakshman, Muftuoglu, O.M., Bowman R.W., McCulley, J.P., Cavanagh, H.D. *Cornea*, March 2011, Volume 30, Number 3, pp. 320-324
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58. Cataract Surgery for Keratoconus: Timing and Outcomes. Truong, D.T., Bowman, R. W. ARVO 2015
59. Paracentral Corneal Power Vs. Standard Keratometry and Topography for Keratoconus. Truong, D.T., Seamont, D., Shiao, J., Bowman, R.W. ASCRS April 2015
60. Comparison of refractive predictability between third and fourth generation intraocular lens formulas used in the DMEK triple procedure. Sales CS, Mayko ZM, Bowman, RW, Terry MA, Straiko MD. ARVO 2016
61. The ORA Experience: Surgical Outcomes in Cataract Surgery Using Intraoperative Wavefront Aberrometry S. Mahasneh, C. Smith, R.W. Bowman ASCRS May 2017
62. Cataract surgery and intraocular pressure. Noorani S, Deng T, Yang A, AlSalem M, Bowman W, Whitson J, Blomquist P, Mootha V, Adams-Huet B, Li X, Kooner K. AGS March 2018

PRESENTATIONS:

Albany Ophthalmology Update - Scotia, New York

- 2001 "Allergic Conjunctivitis"
- 2001 "Postop Complications of LASIK I"
- 2001 "Postop Complications of LASIK II"

Albuquerque Society of Ophthalmologists - Albuquerque, New Mexico

- 2002 "Anti-Infective & Allergy Treatment"

Alcon Laboratories, Fort Worth, Texas

Cornea Preceptorship, Continuing Professional Education Cornea Program - Fort Worth, Texas

- 2003 "Anti-inflammatory NSAIDS, Steroids"

Instrumentation Specialist Program

- 1997 Lecturer
- 2002 Didactic Cataract Presentation

International Instrumentation Seminar

- 2003 "Cataracts: Type of Cataracts" UT Southwestern, Dallas, Texas
- 2003 "Cataracts: Type of Cataracts" Alcon, Fort Worth, Texas
- 2005 "Didactic: Cataracts" Dallas, Texas
- 2007 "Types of Cataracts, Work-ups, Indications for Surgery, Intra-Operative Complications, Etc." UT Southwestern, Dallas, Texas

Ophthalmic Assistant Update

- 1996 "Phaco Essentials for the Ophthalmic Assistant"

San Antonio Ophthalmic Symposium

- 1997 "Current Phaco Techniques"
- 1997 "Refractive Aspects of Cataract Surgery"

Seminar Instructor

- 1999 Phacoemulsification Course

Serva Courses in Cataract Surgery

- 1997 Course Director
- 1998 Course Director

Speakers Alliance

- 1999 "Prevention and Treatment of complications of Keratorefractive Surgery" Orlando, FL
- 1999 Guest Speaker, Scottsdale, AZ
- 1999 "Prevention & Treatment of Keratorefractive Surgery Complications" San Antonio, TX
- 2000 "Ocular Allergy Update" St. Louis, MO
- 2000 St. Louis Allergy Meeting
- 2000 Guest speaker, Fort Worth, Texas
- 2001 "Ocular Allergy" Memphis, Tennessee
- 2003 "Postoperative Treatments – Fluoroquinolones" San Diego, California
- 2003 "A Red Eye Update" Fort Worth Texas
- 2003 "New Fluoroquinolone Antibiotics" Tyler, Texas
- 2004 "Allergy Update" Arlington Heights, Illinois
- 2004 "Red Eye and Eye Trauma" Grapevine, Texas
- 2004 "Allergy Update" Knoxville, Tennessee

PRESENTATIONS (cont.)

Speakers Alliance Continued

- 2005 "Managing Ocular Allergies" Pasadena, California
- 2005 "Managing Ocular Allergies" Tucson, Arizona
- 2005 "Managing Ocular Allergies" Peoria, Illinois
- 2005 "Treating Allergic Conjunctivitis Effectively" Omaha, Nebraska
- 2005 "Treating Allergic Conjunctivitis Effectively" De Moines, Iowa
- 2005 "New Perspectives on Ocular Allergy and Quality of Life" El Paso, Texas
- 2005 "Allergy Update" Portland, Oregon
- 2005 "Anti-Infective Update" Tyler, Texas
- 2005 "Allergy Update" Birmingham, Alabama
- 2005 "NSAID Update" Seattle, Washington
- 2006 "NSAID Update" Syracuse, New York
- 2006 "Allergy Update" Montgomery, Alabama
- 2006 "Diagnosing and Treating Ocular Allergies" Ontario, Canada
- 2006 "Ocular Infections" Dallas, Texas
- 2006 "Allergy Update" St. Louis, Missouri
- 2006 "Allergy/Dry Eye" Boise, Idaho
- 2007 "Allergy Update" Dallas, Texas
- 2007 "Anti-Allergy" Dallas, Texas
- 2007 "Ocular Infection / NSAID" Little Rock, Arkansas
- 2007 "Ocular Infection / NSAID" Shreveport, Louisiana
- 2007 "Allergy Update" Louisville, Kentucky
- 2007 "Ocular Infection" Seattle, Washington
- 2007 "Ocular Infection / NSAID" Denver, Colorado
- 2007 "Toric" Corpus Christi, Texas
- 2007 "Ocular Infection / NSAID" Knoxville, Tennessee
- 2007 "ReSTOR and Toric" - St Louis, Missouri
- 2007 "ReSTOR and Toric" - Odessa, Texas
- 2008 "Allergy Update" - Houston, Texas
- 2008 "Allergy Update" - Denver, Colorado
- 2008 "Post-Operative Infection / Inflammation" - Monroe, Louisiana
- 2008 "Ocular Infection" - West Lake, California
- 2008 "Ocular Infection" - Encino, California
- 2010 "Durezol" – Lubbock, Texas
- 2010 "Tobradex ST" – Shreveport, Louisiana
- 2010 "Durezol & the Use With Post Op Cataract" San Antonio, Texas
- 2011 "Ocular Pain & Inflammation – Durezol" – Dallas, Texas
- 2011 "Ocular Allergies" – Southlake, Texas
- 2011 "Ocular Allergies" – Little Rock, Arkansas
- 2011 "Ocular Allergies" – Dallas, Texas
- 2011 "Durezol Speaker Training" – Southlake, Texas
- 2012 "Advanced Technology IOL" – San Antonio, Texas

Speakers Alliance – Armed Services Meeting

- 2006 "ReSTOR IOL" - San Antonio, Texas

Speakers Alliance – CPE Program Lecture

- 2007 Fort Worth, Texas

Speakers Alliance – Dallas ER Physicians - Dallas, Texas

- 2007 "Diagnosing the Red Eye with an Emphasis on Allergic Conjunctivitis"

PRESENTATIONS (cont.)

Speakers Alliance – MedEDirect

- 2008 “Ocular Infection / Inflammation” - Fayetteville, Arkansas
- 2008 “Red Eye: Ocular Allergy and Beyond” - Dallas, Texas
- 2008 “Post-Operative Infection / Inflammation” - Shreveport, Louisiana
- 2008 “Ocular Infection / NSAID” - Los Angeles, California
- 2008 “Ocular Infection / NSAID” - Pasadena, California
- 2008 “Red Eye: Ocular Allergy and Beyond” - Dallas Texas
- 2008 “Ocular Infection/NSAID” – Little Rock, Arkansas
- 2009 “Emerging Trends in Preventing & Treating Ocular Infections” – Buffalo, New York
- 2009 “Emerging Trends in Preventing and Treating Ocular Infections” – San Antonio, Texas
- 2009 “Emerging Trends in Preventing and Treating Ocular Infections” – Wichita, Kansas
- 2009 “Ensuring Optimal Surgical Outcomes” – Houston, Texas
- 2009 “Emerging Trends in Preventing and Treating Ocular Infections” - Milwaukee, Wisconsin
- 2009 “Use of NSAID Therapy to Maximize Ophthalmic Surgery Outcomes” - Chattanooga, Tennessee
- 2010 ‘NSAIDs in Ophthalmic Surgery’ - Charlotte, North Carolina
- 2010 “NSAID Therapy to Maximize Ophthalmic Surgery Outcomes” - Omaha, Nebraska
- 2010 “NSAID Therapy to Maximize Ophthalmic Surgery Outcomes” – Panama City Beach, Florida
- 2010 Anti-Inflammatory/NSAIDS” - Midlothian, Virginia

Speakers Alliance – Pataday - Ocular Allergy Update

- 2007 Dallas, Texas
- 2009 Shreveport, Louisiana
- 2009 Dallas, Texas
- 2010 Lafayette, Louisiana
- 2010 El Paso, Texas
- 2010 Dallas, Texas
- 2010 Little Rock, Arkansas
- 2011 Dallas, Texas
- 2011 Austin, Texas
- 2011 Little Rock, AR

Wet Lab: Louisiana State University, Resident Training in Phacoemulsification Techniques - Fort Worth, Texas

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|------------------------|------------------------|
| 1998 Course Instructor | 2009 Course Instructor |
| 1999 Course Instructor | 2010 Course Instructor |
| 2000 Course Instructor | 2011 Course Instructor |
| 2001 Course Instructor | 2012 Course Instructor |
| 2002 Course Instructor | 2013 Course Instructor |
| 2003 Course Instructor | 2014 Course Instructor |
| 2004 Course Instructor | 2015 Course Instructor |
| 2005 Course Instructor | 2016 Course Instructor |
| 2006 Course Instructor | 2017 Course Instructor |
| 2007 Course Instructor | 2018 Course Instructor |
| 2008 Course Instructor | 2019 Course Instructor |

Amarillo Ophthalmological Society, Anti-Infective & Allergy Treatment Meeting - Amarillo, Texas

- 2003 “Anti-Infective & Allergy Treatment”

PRESENTATIONS (cont.)

American Academy of Ophthalmology

Pan American Association of Ophthalmology

1999 Scientific Session, Course Instructor

Scientific Program Participant

1999 "Refractive Surgery in the Cornea Transplant Patient" Orlando, Florida

Southeastern Update Course

1984 "Episcleritis/scleritis and Allergic Conjunctivitis"

Symposium on Cornea and External Disease for the Practicing Ophthalmologist

1988 "Current Management of Herpes Zoster"

American Society of Ophthalmic Registered Nurses (ASORN) – Fort Worth, Texas

1997 "Cataract Surgery and IOLs"

1999 "Current Concepts in Refractive Surgery"

2001 "Current Concepts in Refractive Surgery"

2010 "Ophthalmic Update"

2013 "Ophthalmic Update"

2015 "Ophthalmic Update"

Arizona Ophthalmic Society - Tucson, Arizona

2002 "Current Concepts in Allergy and Infections"

Association of Operating Room Nurses, Fort Worth Texas

2000 "Keratorefractive Surgery"

Association of Surgical Technologists (AST) National Conference

2010 "Evolution of Cataract Surgery and Intraocular Lens Implants" Grapevine, Texas

Austin Ophthalmological Society

2000 "Ocular Allergy Update" Austin, Texas

2001 "External Disease and Refractive Surgery" Austin, Texas

2003 "Fourth Generation Fluoroquinolones" Austin, Texas

2004 "Allergy and Dry Eye Updates"

Castroviejo Corneal Society Joint Meeting

1990 "Acanthamoeba Keratitis", Dallas Texas

1992 "Chronic Blepharitis", Atlanta, Georgia

Chicago Ophthalmology Society - Chicago, IL

2005 "Indications, patient selection, and converting to wavefront analysis in refractive surgery"

Chiron Casebeer

1992 Precise Systems of Refractive Surgery - RK Course Instructor

1993 Refractive Surgery in Transition – RK Course Instructor

CLAO Regional Basic Contact Lens Course, Dallas, Texas

1995 "Pre-Fit Evaluation of the Contact Lens Patient"

PRESENTATIONS (cont.)

Contact Lenses and Contemporary Vision Care, Symposium on Cornea - Houston, Texas

2002 "New Fluoroquinolone Antibiotics"

Cook Children's Medical Center, Grand Rounds - Fort Worth, Texas

2001 "Pediatric Eye Trauma"

Current Concepts in Allergy and Infectious Disease - El Paso, Texas

2002 "Allergy and External Diseases"

Dallas Academy of Ophthalmology

Bimonthly Conference

1984 "Management of Endophthalmitis"

1985 "Management of Intraocular Lenses in Pseudophakic Bullous Keratopathy"

1985 "Inflammation Induced Increase in Intraocular Pressure"

1985 "Management of Intraocular Lenses at the Time of Corneal Transplantation for Pseudophakic Bullous Keratopathy"

1988 "Bacterial Endophthalmitis Update"

1988 "Preoperative and Intraoperative Factors Influencing Post Penetrating Keratoplasty Astigmatism"

1988 "Prevention of Endophthalmitis Post Cataract Surgery"

Moderator & Presenter

1990 "Recurrent Corneal Erosion"

1991 "Scleral Fixation of PC IOLs"

Dallas Academy of Ophthalmology / University of Texas Health Science Center at Dallas

Department of Ophthalmology – Alumni Day

1985 "The Red Eye Corneal Transplant"

1987 "Chronic Epithelial Defects"

1988 "Secondary Posterior Lens Implants with Corneal Transplantation"

Moderator & Presenter

1989 "Techniques of Extracapsular Cataract Extraction of Corneal Transplant"

Effective Allergy Treatments Meeting - Rockwall, Texas

2001 "Effective Allergy Treatment"

Evansville Journal Club - Evansville, Indiana

2000 "External Disease Update"

Fort Worth Area Ophthalmologists Meeting, Fort Worth Texas

2000 Guest Speaker

Galveston Optometric Review Course, Webster, TX

2000 "Ocular Allergies"

2000 "Cataracts"

Grossnickle Annual OD Seminar Meeting - Warsaw, Indiana

2001 "Refractive Complications"

Health Insights with Jocelyn White - KGBS Radio, Dallas Texas

1994 Questions and answers from the general public.

PRESENTATIONS (cont.)

Health Matters, WFAA Television/ Dallas ABC Affiliate

1990 Ophthalmology Update

Houston Eye Associates - Ophthalmic Assistant - Spring Seminar

1983 "Emergencies in the Ophthalmologist's Office"

Myasthenia Gravis Society

1989 "Cataract Surgery and Myasthenia Gravis"

Missouri Society of Eye Physicians & Surgeons and Kansas State Ophthalmological Society

1998 "Phacoemulsification: An Easier Way to Transition to Temporal Clear Corneal Surgery"

1998 "Phacoemulsification: Refractive Considerations"

Nashville Academy of Ophthalmology, Nashville Tennessee

2000 "Prevention and Treatment of Refractive Surgery Complications"

2009 "Ocular Infection Update"

NAPNAP (National Association of Pediatric Nurse Practitioners) - Arlington, Texas

2001 "Red Eye"

National Eye Bank Association of America

1987 "Presentation of Bacterial Contamination of K-SOL Corneas"

1991 "Surgical Use of Human Eye Tissue" - Technicians' Training Course

1992 "Changing Indications for Penetrating Keratoplasty" - Technicians' Training Course

National Eye Trauma Symposium

1985 "Corneal Trauma", Washington, D.C.

1990 "Lens Implantation after Trauma - Primary or Secondary Insertion"

Ocular Allergy Update Meeting - Las Colinas, Texas

2000 "Red Eye and Allergy"

Oklahoma Association of Optometric Physicians - Oklahoma City, Oklahoma

2000 "Ocular Allergy Update"

Ophthalmology Grand Rounds Lecture Series – Hersey, Pennsylvania

2008 "Current Status of Refractive Surgery"

Ophthalmology Symposium -12th Annual, Presbyterian Hospital of Dallas

1990 "Acanthamoeba Keratitis"

1990 "Fibronectin and Epidermal Growth Factor in Chronic Epithelial Defects"

Parkland Perspectives (Radio Show) – Dallas, Texas

2004 "Laser Keratorefractive Procedures", interview with Mark Wells

2005 "LASIK Eye Surgery", interview, KVIL 103.7

Pediatric Society of San Antonio - San Antonio, Texas

2000 "Treatment of Ocular Allergies"

Pharmacia Phacoemulsification Course

New Techniques in Cataract Surgery Symposium

1988 "Techniques of Cataract Extraction by Phacoemulsification", Course Director

PRESENTATIONS (cont.)

Review of Ophthalmology CPE Course – Fort Worth, Texas

- 2010 “Flap Complications Lasik and Prevention and Management of PRK Complications”
- 2011 “Flap Complications Lasik and Prevention and Management of PRK Complications”
- 2012 “Astigmatism Management, Topography and Toric IOLs”
- 2012 “Flap Complications Lasik and Prevention and Management of PRK Complications”

San Antonio Ophthalmological Society - San Antonio, Texas

- 2004 “Allergy Updates”

Society of Air Force Clinical Surgeons - San Antonio, Texas

- 2003 “New Fluoroquinolones”

Scripps Clinic - La Jolla, California

- Pearls of Ocular Therapy
- 2000 “The Prevention and Treatment of Refractive Surgery Complications”

Tarrant Country Ophthalmological Society - Fort Worth, Texas

- 1992 “Scleral Fixation of PC IOL”

Tarrant County Pharmacists Association - Fort Worth, Texas

- 2002 “Red Eye”

Texas Academy of Family Physicians

- 1991 “The Red Eye”

Texas Academy of Physician Assistants Annual Meeting, Arlington, TX

- 2000 “The Aging Eye”

Texas Medical Association / Texas Ophthalmological Association Annual Meeting

- Annual Meeting -
- 1987 “Acanthamoeba Keratitis” - Houston, Texas
- 1991 “Suturing of Posterior Chamber Intraocular Lenses” - Dallas, Texas
- 1994 “Refractive Surgery in the 90’s” - Austin, Texas
- 1995 “Use of Meditec Excimer Laser for the Treatment of Myopia” - Austin, Texas
- 1996 “Use of Meditec Excimer Laser for the Treatment of Hyperopia”
- 1996 “Therapeutic Contact Lenses”

Texas Ophthalmological Association

- 2010 “Keratorefractive Surgery” – Fort Worth, Texas
- 2011 “Cornea/External Disease Update” – Houston, Texas
- 2015 “*Intraoperative Lens manipulations: Positioned for Success*” – Austin, Texas

Travatan Z (BAK Free) – Dallas, Texas

- 2007 “A New Advancement in the Treatment of Glaucoma”

Tucson Ophthalmology Society Meeting - Tucson, Arizona

- 2000 “External Disease - Refractive Surgery”

University of Missouri Medical School - Columbia Missouri

- Annual Recent Advances in Clinical Ophthalmology
- 1981 “Postoperative Bacterial Endophthalmitis”

PRESENTATIONS (cont.)

University of Missouri Medical School - Columbia Missouri (cont.)

Annual Residents and Alumni Weekend
1999 Guest Speaker

University of North Texas Health Science Center at Fort Worth – Sponsor

Allergic Conjunctivitis Update for Allergists - April
2000 “Ocular Allergy Update” - Houston, Texas

Dayton Ophthalmological Society Meeting - April
2000 “Ocular Allergy” - Dayton, Ohio

Greenville Ophthalmological Society Meeting - May
2000 “Fluoroquinolone Treatment for Ocular Diseases” - Greenville, South Carolina

Allergy Update
2000 “Ocular Allergy” - Tulsa OK - June

2000 “The Prevention and Treatment of Refractive Surgery Complications” -
South Bend, Indiana - August

2000 “Treatment of Ocular Allergies and Dry Eyes” - Houston, Texas - September

University of Texas Health Science Center at Houston

Houston Basic Science Course
1984 “Ocular Allergy” and “Episcleritis and Scleritis”
1985 “Uveitis, Episcleritis/Scleritis; Ocular Allergy”
1986 “Endophthalmitis”,
1987 “Episcleritis/Scleritis”
1988 “Ocular Allergy”, “Uveitis”

University of Texas Medical Branch at Galveston

Symposium on Cataract and Refractive Surgery
1993 “Phacoemulsification Techniques”

University of Texas Southwestern Medical Center at Dallas

Alcon Training Seminar
1999 “Cataracts”

Annual Resident & Fellows Alumni Day
2008 Guest Speaker

Clinical Update in Dermatology, Ophthalmology and Otolaryngology for Primary Care Physicians.
2003 “Viral Disease: Ophthalmology”
2004 “Viral Disease: Ophthalmology”
2005 “Refractive Surgery, LASIK, Refractive IOLs, and Presbyopic IOLs”

Gostin Lecture (4th) & Ophthalmology 20th Anniversary Seminar
2001 Event Moderator

Ophthalmology at the Crossroads
2008 Guest Speaker
2009 Guest Speaker

PRESENTATIONS (cont.)

- 2010 Guest Speaker
- 2012 "Refractive IOLs"
- 2014 "To Where Has Cataract Surgery Evolved"

Premium IOL Lecture for Residents & Fellows

- | | |
|------------------------|------------------------|
| 2010 Course Instructor | 2016 Course Instructor |
| 2011 Course Instructor | 2017 Course Instructor |
| 2012 Course Instructor | 2018 Course Instructor |
| 2013 Course Instructor | |
| 2014 Course Instructor | |
| 2015 Course Instructor | |

Primary Care Physician, Ophthalmology Review

- 2001 "Modern Cataract Surgery" (4th Annual Meeting)
- 2002 "Keratorefractive Surgery Update" (5th Annual Meeting)
- 2003 "Keratorefractive Surgery Update" (6th Annual Meeting)
- 2004 "Red Eye" (7th Annual Meeting)
- 2006 "Modern Management of Cataracts"
- 2007 Guest Speaker
- 2012 "Cataracts"

Surgical Refractive Training for Residents & Fellows:

- | | |
|------------------------|------------------------|
| 1999 Course Instructor | 2010 Course Instructor |
| 2000 Course Instructor | 2011 Course Instructor |
| 2001 Course Instructor | 2012 Course Instructor |
| 2002 Course Instructor | 2013 Course Instructor |
| 2003 Course Instructor | 2014 Course Instructor |
| 2004 Course Instructor | 2015 Course Instructor |
| 2005 Course Instructor | 2016 Course Instructor |
| 2006 Course Instructor | 2017 Course Instructor |
| 2007 Course Instructor | 2018 Course Instructor |
| 2008 Course Instructor | 2019 Course Instructor |
| 2009 Course Instructor | |

Review Course for Optometrists – Anterior Segment

- 1999 Course Instructor
- 2001 "Keratorefractive Surgery"
- 2002 "Getting Light to the Retina: Keratorefractive Surgery Update" (5th Annual Meeting)
- 2003 "Custom vs Conventional Keratorefractive Surgery & Outcomes"
- 2003 "Custom Office Diagnostic Problems"

Science of Family Medicine Presentation

- 1997 "Management of Acute Eye Trauma"

Seminar on Ptosis and Blepharoplasty

- 1991 "Management of Corneal Complications of Eyelid Surgery"

Seminar Series

- 1992 "Update on Ophthalmology for Family Practitioners"

PRESENTATIONS (cont.)

Specialist Training

1996 "Cataracts, Types of Cataracts, W/U, Indications for Surgery"

1996 "Postop Cataracts - Expectations, Routine and Complications, Postop Management of Routine Patients and Those with Complications, Including YAG and CME"

Transplant Services Center

Celebration of Thanksgiving for the Gift of Transplantation Medicine

1995 Keynote Speaker

Organ and Tissue Donation Seminar

2015 "Corneal Transplant"

Virginia Society of Ophthalmology, Virginia Beach, Virginia

2006 Cornea/Refractive

Visions for the Future 2001 - St. Louis Missouri

2001 "Prevention and Treatment of Complications of Cataract Surgery"

Welch Cataract Congress – Houston, Texas

1987 "Antibiotic Prophylaxis of Cataract Surgery"

Zale Lipshy University Hospital and The University of Texas Southwestern Medical Center at Dallas

1994 "RK for Ophthalmologists", Course Instructor

1994 "RK for Ophthalmic Technicians", Course Instructor

1994 "RK Options for the General Public", Course Instructor

Educational Seminars, monthly

1999 Regular Presenter

Ophthalmology Update for Primary Care Practitioners: A Didactic and Skills Symposium

1996 "Cataracts: When, Why, and How?"

NorthPark Educational Seminars

1998 Guest Speaker

Surgical Refractive Education Course

2003 Two-day didactic course for residents and fellows, Course Instructor