

Curriculum Vitae

Prepared: April 2014

NAME: **STEPHEN C. KAUFMAN, M.D., Ph.D.**

Year of Birth: 1960

Business Mail Address: State University of New York - Downstate
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EDUCATION:

Baccalaureate:	BS, Biology & Certificate in Education. Dickinson College, Carlisle, PA	1982
Graduate:	NIH Medical Student Research Fellow	1985
	MD, Medical School Louisiana State University Medical Center School of Medicine, New Orleans, LA	1988
	PhD, Doctor of Philosophy Department of Anatomy and Cell Biology Louisiana State University Medical Center, New Orleans, LA	1997
	MBA Essentials Program Carlson School of Business University of Minnesota Minneapolis, MN	2011

TRAINING:	Internship in Medicine/Surgery. St. John Hospital, Detroit, MI	1988-89
	Residency in Ophthalmology. Henry Ford Hospital, Detroit, MI	1989-92
	Fellowship in Cornea, Anterior Segment, and Refractive Surgery. Department of Ophthalmology LSU Eye Center Louisiana State University Medical Center New Orleans, LA	1992-94
	Research Fellow in Cornea, Refractive Surgery and Cell Biology. Departments of Anatomy and Ophthalmology Louisiana State University Medical Center New Orleans, LA	1995-96
PRESENT POSITIONS:	Vice-Chairman and Professor of Ophthalmology Director of Cornea and Refractive Surgery State University of New York-Downstate Brooklyn and Manhattan, NY	2014-present
	Professor of Ophthalmology Lyon Endowed Chair of Ophthalmology Director of Cornea and Refractive Surgery University of Minnesota, Dept of Ophthalmology Minneapolis, MN	2007-14
	Director of Cornea, External Disease and Refractive Surgery Fellowship Program. University of Minnesota, Dept of Ophthalmology	2007-present
	Associate Director of the Minnesota Lions Eye Bank	2007-present
	Chairman, Cornea & External Disease Panel, Knowledge Base (Compass) Committee American Academy of Ophthalmology	2012-present
	Anterior Segment Panel Ophthalmic Technology Assessment Committee American Academy of Ophthalmology	2002-12

Ophthalmology Digital Media Panel American Academy of Ophthalmology	2009-present
Eye Bank Association of America Director of the Scientific Program Committee	2009-12
Cornea Society Co-director of the Scientific Program Committee	2009-12
Perioperative Care Committee University of Minnesota	2009-10
Elected to Promotions and Tenure Committee University of Minnesota	2008
Minnesota Medical Reserve Corp. Ophthalmology Member	2007-14
Graduate Medical Education Committee University of Minnesota	2007-14
Cornea Society Communications Committee	2012-present
Medical Advisory Board Eye Bank Association of America	2012-present
Nominations Committee Eye Bank Association of America	2013-present
Cornea Society: Stem Cell Panel	2013-present
Cornea Society Board of Directors	2013-present

FACULTY
APPOINTMENTS:

Senior Staff Physician, Cornea, Anterior Segment, External Disease and Refractive Surgery, Ophthalmology Department, Ochsner Foundation Clinics, New Orleans, LA 1996-99

Assistant Professor, Dept. of Public and Health Preventive Medicine & Ophthalmology, Louisiana State University Medical Center, New Orleans, LA 1997-99

Asst. Professor, Dept. of Anatomy and Cell Biology Louisiana State University Medical Center New Orleans, LA 1997-99

Director of Cornea and Refractive Surgery, 1999-2007
Henry Ford Health System: Ophthalmology, Detroit, MI

Director of Cornea, External Disease and 1999-2007
Refractive Surgery Fellowship Program,
Henry Ford Health System: Ophthalmology, Detroit, MI

Instructor of Cornea, External Disease and 1999-2007
Refractive Surgery. HFHS: Ophthalmology, Detroit, MI

Assistant Professor of Ophthalmology, 2000-2005
Case Western Reserve University, Cleveland, Oh
[Full staff appointment]

Associate Professor, Dept. of Anatomy 2002-2007
& Cell Biology, Wayne State University Medical Center,
Detroit, MI [Adjunct Staff]

Associate Professor, Ophthalmology, 2006-2007
Kresge Eye Institute, Wayne State University
Medical Center, Detroit, MI [Full Staff Appointment]

Lyon Professor of Ophthalmology 2007-2014
University of Minnesota, Dept. of Ophthalmology
Minneapolis, MN

Professor of Ophthalmology 2014-present
State University of New York-Downstate
Brooklyn, NY

PROFESSIONAL
APPOINTMENTS:

National Institutes of Health 1983-84
Medical Student Research Fellow

Heed Fellow of Ophthalmology 1993

Director of Refractive Surgery 1996-1999
Ochsner Foundation Clinics

Physician Scientist Award Scholar 1996-2002
National Institutes of Health

Director of Cornea and Refractive Surgery 1999-2007
Henry Ford Health System: Ophthalmology

Ophthalmology Dept. Executive Committee Henry Ford Health System: Ophthalmology	1999-2007
Ophthalmology Salary Committee Henry Ford Health System: Ophthalmology	2000-2001
Medical Director of Optimeyes/ICON LASIK Centers	2000-2004
Director of Ophthalmology Fellowship Programs Henry Ford Health System: Ophthalmology	2004-2007
Anterior Segment Panel: OTAC American Academy of Ophthalmology	2001-present
Cornea & External Disease Panel: COMPASS American Academy of Ophthalmology Chairman: Cornea & External Disease Compass (Knowledge Base) Panel American Academy of Ophthalmology	2005-2011 2012-present
Ophthalmology Digital Media Panel American Academy of Ophthalmology	2010-present
Associate Director of the Minnesota Lions Eye Bank St. Paul, MN	2007-present
Director of The Scientific Program Committee Eye Bank Association of America	2010-present
Co-Director of the Scientific Program Comm. Cornea Society	2010-present
Perioperative Care Committee University of Minnesota	2009-2011
Graduate Medical Education Committee University of Minnesota	2010-present
Elected to Promotions and Tenure Committee University of Minnesota	2012
Cornea Society Communications Committee	2012-present

Medical Advisory Board Eye Bank Association of America	2012-present
Cornea Society Board of Directors Nominations Committee Eye Bank Association of America	2012-present 2013-present
Cornea Society: Stem Cell Panel	2013-present
Cornea Society: Scientific Program Committee	2013-present
Cornea Society - American Academy of Ophthalmology associate representative	2014-present

PROFESSIONAL SOCIETIES:

American Academy of Ophthalmology
International Society of Refractive Surgeons
Assoc. of Cataract and Refractive Surgeons
Paton Society
Cornea Society (member with thesis)
HEED Society of Ophthalmology Fellows
Eye Bank Assoc. of America
Nordic Congress of Ophthalmology - past
Michigan Ophthalmological Society
Association for Research in Vision and Ophthalmology
National Keratoconus Foundation
Midwest Cornea Assoc.
Minnesota Academy of Ophthalmology

SOCIAL SOCIETIES:

The Cosmos Club
Pete Fountain's H/F Mardi Gras Walking Club

MEDICAL LICENSES:

Michigan # 4301052730, MN # 50022, NY # 8430053

ADDITIONAL CERTIFICATION:

Certified: American Board of Ophthalmology
Certified VISX Laser
Certified VISX Laser Instructor
Certified NIDEK Laser
Certified NIDEK Laser Instructor
Certified Alcon Ladarvision
Certified Alcon Ladarvision Instructor for HFHS

Certified Solan Flapmaker
Certified Chiron LASIK / ALK
Certified Innovatome
Certified Moria microkeratomes (CB & M2)
Certified Keravision Intacts surgeon
Certified PresbyCorp. Implant surgeon
Certified Ophtec: Artisan lens surgeon
Certified Anamed PermaVision surgeon
Certified Verisyse lens surgeon
Certified Hansatome Microkeratome
Certified Intralase

HONORS & AWARDS:

Medical School: NIH Medical Student Research Fellowship
Southern Medical Association Research Fellowship
American Heart Association Student Research Grant
Aesculapian Society Member

Residency: David Barsky Research Award - 1991
Chief Resident in Ophthalmology - 1992
David Barsky Research Award - 1992

Fellowship: Allergan Young Investigator Travel Grant Award - 1994
National Academy of Science (Sigma Xi) Grant Award -1995
Louisiana Microscopy Society Research Award - 1995
HEED Ophthalmic Fellowship Grant Award - 1996
NIH Physician Scientist (K08) Grant Award-1996

Professional: CIBA Vision Research Prize in Ophthalmology – 1998
ASCRS award for paper presentation – 1999
ISRS award for paper presentation – 2000
International Congress on Corneal Ds. Symp. Director-2000
Nordic Congress Symposium Director – 2000
Cleveland Ophthalmological Soc.
Keynote Speaker – 2000
Alcon Research Grant – 2001
Bausch and Lomb Research Grant – 2002
Allergan Research Grant - 2002
Allergan Research Grant – 2003
Associate: Research to Prevent Blindness – 2003
Allergan Unrestricted Edu/Research Grant - 2004
Alcon Educational Grant Award – 2004
Best Paper Award- Refractive Subspecialty: AAO – 2004
Allergan Research Grant – 2005
Poster Award - World Cornea Congress – 2005

Profesores Extranjeros Award – XI International Cornea And Refractive Surgery Congress – 2005
Distinguished Service Award: Lions Club - 2005
American Academy of Ophthalmology Achievement Award – 2005
Visionary Award: Visionary Society – 2006
Alliance for Vision Research Award – 2007
Georgia Academy of Ophthal. Keynote Speaker - 2007
Lyon Chair of Ophthalmology – 2007
Columbian Cornea Society Award – 2008
Allergan Research Grant Award – 2009
AAO Achievement Award – 2009
Marquis Who's Who Listing - 2009
World Cornea Congress "Best Paper" Award – 2010
AAO "Best Paper" Award for Cornea – 2010
SUNY Downstate Dept of Ophthal. Invited Lecturer – 2010
Marquis Who's Who Listing - 2010
Cornea Society "Best Paper" recognition - 2011
Henry Ford System-Wide Grand Rounds Invited Lecturer – 2011
Marquis Who's Who Listing - 2011
Chairman, American Academy of Ophthalmology Cornea Knowledge Base Committee - 2012
ASCRS Innovators' Session Invited Paper – 2012
Appointed to the Medical Advisory Board of the Eye Bank Association of America - 2012
Elected to the Board of the Cornea Society – 2012
Marquis Who's Who Listing – 2012
Peer Reviewed Physicians Award - 2013
AAO – Senior Achievement Award - 2013
Marquis Who's Who Listing – 2013

SERVICE:

1) Patient Care:

Chief of Cornea Transplant Service and Refractive Surgery Service. Ochsner Foundation Clinics	1996-1999
Director of Cornea, External Disease, and Corneal Transplant Service Henry Ford Health System: Ophthalmology	1999-2007
Director of Refractive Surgery Henry Ford: Ophthalmology / Optimeyes	1999-2007

Director Of Ophthalmology Fellowship Programs
Henry Ford Health System: Ophthalmology 2004-2007

Director of Cornea, External Disease and Refractive Surgery. 2007-present
University of Minnesota, Dept of Ophthalmology

Pre-operative Assessment Committee 2009-2011
University of Minnesota

Minnesota Medical Reserve Corps 2008-present

2) Professional Consultation

a. Public presentations:

Refractive Surgery Consultant for the Detroit News / Free Press Newspaper Articles – 2001, 2002 2003, 2005.

Refractive Surgery panelist WJR Radio – 2001
Cornea Consultant to “Minds of Medicine” WXYZ TV 2001

Refraction and Glasses on the Internet Consultant for the Star Tribune Newspaper, Minneapolis, MN 2007

Vision Research at UMN speaker for the Midwest Lions Clubs 2007, 2008, 2009, 2010, 2011

Eye Donors Symposium for the Minnesota Lions Club, 2008

Minnesota Daily Newspaper Consultant for article, 2008

Minnesota Physicians publication, 2009

Minnesota Anterior Segment Symposium
(Minnesota, Dakotas, Wisconsin and Iowa)
Director and Moderator – 2008, 2009, 2010, 2011

Edina High School Lecturer in Comparative Anatomy –
2011, 2012, 2013

b. Consulting to private enterprises

-Previous IOP and Biotissue: amniotic membrane and other transplantable tissue

-VISX

-Previous Speaker’s Bureau for Allergan Pharmaceuticals

- Previous Study monitor for Allergan Pharmaceuticals
- Previous Surgical Consultant and Study Monitor for Anamed, Inc.
- Previous Consultant for Chiron/Domilens
- Previous Consultant for Colloptics
- Previous Consultant for Alcon Pharmaceuticals
- Previous Consultant for Bausch and Lomb
- Previous Consultant for Akorn Pharmaceuticals
- Previous Consultant for Innovative Ophthalmic Products

3) Journal Editorial Activity

a. Editorial Board: -

- The Eye and Contact Lens Journal
- The Journal of Ophthalmology and Eye Disease
- The International Journal of Eye Banking
- Previously: The Journal of Refractive Surgery (ISRS/AO Journal)

b. Journal article review:

Ophthalmology,
Cornea,
Journal of Refractive Surgery,
Journal of the Assoc. of Cataract and Refractive Surgeons,
British Journal of Ophthalmology,
Ophthalmic Surgery,
Journal of Investigative Ophthalmology and Visual Science
Southern Medical Journal
American Journal of Ophthalmology
Ophthalmic Lasers
Current Opinions in Ophthalmology
Annals of Ophthalmology
Archives of Ophthalmology
European Journal of Ophthalmology
Eye
Eye Research

4) Other professionally related services

Eye Care America Volunteer (AAO sponsored program)	2001-present
Detroit Institute of Ophthalmology Volunteer	2000-2007

JCAHPO Educational Program participant 2008-2012

5) National and International Boards and Committees

a. Positions held in professional associations

American Academy of Ophthalmology: 2001-present
Ophthalmic Technology Assessment Committee
Cornea Panel (OTAC)

American Academy of Ophthalmology: (MOC) 2003-present
Maintenance of Certification Cornea Panel

American Academy of Ophthalmology: 2007-2011
Compass (Knowledge base) Panel

American Academy of Ophthalmology: 2012-present
Compass (Knowledge base) Panel
Chairman

American Academy of Ophthalmology 2010-present
Ophthalmology Digital Media Panel

Eye Bank Association of America 2010-present
Director of Scientific Program Comm.

Cornea Society 2010-present
Co-Director of Scientific Program Comm.

Prometric 2009-2010
Ophthalmology Consultant

Cornea Society Communications Committee 2012-present

Cornea Society Communications Committee 2012-present

Eye Bank Association of America 2012-present
Medical Advisory Board

Cornea Society Board Member 2012-present

Eye Bank Association of America 2013-present
Nominations Committee

Cornea Society: Stem Cell Panel 2013-present

TEACHING:

- Ophthalmology Fellowship Director 2004-present
- Ophthalmology Resident Selection Committee: 2000 - 2003
- Director of Cornea, External Disease and Refractive Surgery Fellowship 1999-present
- Ophthalmology Review Course Instructor – JCAHPO certification
Detroit Institute of Ophthalmology 1999-2007

- Course and Curriculum Developed:

Cornea, External Disease and Refractive Surgery Fellowship
Henry Ford Health System: Department of Ophthalmology

Cornea rotation for resident training
Henry Ford Health System: Department of Ophthalmology

Corneal transplant surgical wet lab for resident training
Henry Ford Health System: Department of Ophthalmology

Refractive surgery rotation for residents
Henry Ford Health System: Department of Ophthalmology

NIDEK Excimer Certification Course for Residents & Fellows. Henry Ford Health System: Department of Ophthalmology

Alcon Ladarvision Certification Course for Residents & Fellows: Henry Ford Health System: Department of Ophthalmology

COMT Comprehensive Review Course
Detroit Institute of Ophthalmology

VISX Excimer Certification Course for Residents & Fellows:
Henry Ford Health System: Department of Ophthalmology,
Kresge Eye Institute of Wayne State University, and
Beaumont Medical Center

Cornea Rotations for Residents:

University of Minnesota, Dept. of Ophthalmology

Cornea Fellowship Rotations:
University of Minnesota, Dept. of Ophthalmology

Anterior Segment Teaching Conferences: Director
University of Minnesota, Dept. of Ophthalmology

Ophthalmology Microsurgery course development – Director,
Syllabus and laboratory equipment

Ophthalmic Microsurgery Course Director

University of Minnesota Medical School - Ophthalmic
Pathophysiology Course lecturer

University of Minnesota Medical School - Ophthalmic skills
course for second year medical students

University of Minnesota: Mini Medical school:
Curriculum Development & Lecturer for Ophthalmology

LASIK Course: Curriculum Development, Training and
Certification (University of Minnesota)

GRANT SUPPORT

NIH Medical Student Research Fellowship/Grant - 1984
Southern Medical Association Research Grant - 1984
American Heart Association Student Research Grant – 1984
Allergan Young Investigator Travel Grant Award - 1994
National Academy of Science (Sigma Xi) Grant Award -1995
Louisiana Microscopy Society Research Award - 1995
HEED Ophthalmic Fellowship Grant Award – 1996-97
NIH Physician Scientist (K08) Grant Award-1996 – 2002
Alcon Research Grant – 2001
Bausch and Lomb Research Grant – 2002
Allergan Research Grant - 2002
Allergan Research Grant - 2003
Allergan Unrestricted Research Grant – 2004
Alcon Unrestricted Educational/Research Grant – 2004
Allergan Unrestricted Educational/Research Grant – 2005
NEI Grant: A Multi-center Study to Map Genes of Fuch's

Dystrophy (R01EY016482-01) - 2006
Alliance for Vision Research Grant Award – 2007
Allergan Research Grant - 2009
Minnesota Lions Research Grant – 2007-12
NEI Grant: Cornea Donor Study (multicenter) – 2007-13
Minnesota Medical Foundation – 2012-13
Submitted: NEI R-21 Grant: Corneal Stem Cell Expansion
and Cryopreservation.

Patent(s):

United States Patent #

5,839,445

Stephen C. Kaufman, MD, PhD

November 24, 1998

Title: Method of diagnosis of diseases using the Confocal Microscope

PUBLICATIONS:

1. Kaufman HE, Varnell ED, Kaufman SC: Chondroitin sulfate in a new corneal preservation medium. *Am J Ophthalmol* 98:112, 1984.
2. Kaufman HE, Varnell ED, Kaufman SC, Beuerman RW, Barron BA: K-Sol corneal preservation. *Am J Ophthalmol* 100:299, 1985.
3. Gebhardt BM, Cutrone C, Kaufman S: Cell-mediated immunity in HSV keratitis: Modulating effect of serum antibodies. In: *Advances in Immunology and Immunopathology of the Eye*. GR O'Connor, JW Chandler, eds. Masson, New York, 1985, pp 98-102.
4. Kaufman HE, Varnell ED, Beuerman RW, Kaufman SC, Barron BA: Intermediate term storage medium (K-Sol). In: *Corneal Surgery and Eye Banking*, FW Brightbill (ed). CV Mosby Company, St. Louis, 1986, pp 78-84.
5. Clinch TE, Thompson HW, Gardener BP, Kaufman SC, Kaufman HE: An adjustable double running suture technique for keratoplasty. *Am J Ophthalmol* 116:201-206, 1993.
6. Kaufman SC, Beuerman RW, Kaufman HE: Diagnosis of advanced Fuchs' endothelial dystrophy with the confocal microscope. *Am J Ophthalmol* 116:652-653, 1993.
7. Kaufman SC, Chew S, Capps SC, Beuerman RW: Confocal microscopy of corneal penetration by tarantula hairs. *Scanning* 16:312-315, 1994.
8. Beuerman RW, Laird J, Kaufman SC, Kaufman HE: Quantification of confocal images of the corneal surface. *SPIE Proceedings of Biomedical Optics & Image Processing, Optical Society of America, 1994 Technical Digest Series, Vol 2, "Vision Science and its Applications,"* 1994, pp. 183-187.
9. Beuerman RW, Kaufman SC, Laird J, Kaufman HE: Quantitative real-time confocal microscopy of the human cornea. *J Neurosci Meth* 54:197-203, 1994.
10. Chew SJ, Lam DSC, Beuerman RW, Kaufman SC, Kaufman HE: Evaluation of giant papillary conjunctivitis and allergic conjunctivitis with in vivo confocal microscopy. *Ophthalmic Practice* 13(1):11-14, 1995.
11. Kaufman SC, Beuerman RW, Greer DL Confocal microscopy: a new tool for the study of the nail unit. *J Am Acad Dermatol* 32(4):668-670, 1995.
12. Cohen RA, Chew SJ, Gebhardt BM, Beuerman RW, Kaufman HE, Kaufman SC: Confocal microscopy of corneal graft rejection. *Cornea* 14(5):467-472, 1995.

13. Kaufman SC, Beuerman RW, Goldberg D: A new form of primary localized corneal amyloidosis: a case report with confocal microscope. *Metabolic Pediatric and Systemic Ophthalmol* 18:1-4, 1995.
14. Kaufman SC, Hamano H, Laird J, Cooper R, Thompson H, Beuerman RW: Transient corneal stromal and endothelial changes after wearing soft contact lenses: a study with confocal microscopy. *CLAO J* 22(2):127-32, 1996.
15. Kaufman SC, Insler MS: Surgical repair of a traumatic iridodialysis. *Ophthalmic Surg and Lasers* 27(11):963-966, 1996.
16. Kaufman SC, Laird JA, Cooper R, Beuerman: Diagnosis of bacterial contact lens-related keratitis with the white-light confocal microscope. *CLAO J* 22(4):274-7, 1996.
17. Kaufman SC: Phakic intraocular lenses for the phakic high myope. American Academy of Ophthalmology - Refractive Surgery Subspecialty Symposium, CD-ROM (disc 2), 1996.
18. Kaufman SC, Kaufman HE: Phakic IOLs and clear lens extraction for high myopia (Chapter 45. *Textbook of Refractive Surgery*; Rich L, Elander R, Robin J, eds.) WB Saunders Co. Philadelphia 1997.
19. Kaufman SC: Scanning the cornea at the cellular level. *Rev Optom* 134(4):79-87, 1997.
20. Kaufman HE, Kaufman SC, Beuerman RW: In defense of phakic anterior chamber lenses. *J Cataract Refract Surg* 23:815-17, 1997.
21. Kaufman SC: Phakic intraocular lenses (Chapter 45, *The Cornea*, 2nd edition; Kaufman HE, Barron BA, McDonald MB, eds) Butterworth-Heinemann Co. Boston, MA, 1997.
22. Yaylali V, Kaufman SC, Thompson HW: Corneal thickness measurements with the Orbscan Topography System and ultrasonic pachymetry. *J Cataract Refract Surg* 23:1345-50, 1997.
23. Au Eong KG, Ohta T, Laird JA, Kaufman SC, Beuerman RW: In vivo confocal microscopy of *Dieffenbachia*-induced acute keratoconjunctivitis in the rabbit. Second International Congress of the Internet Ophthalmology Society, September 14-21, 1997.
24. Yaylali V, Ohta T, Kaufman SC, Maitchouk DY, Beuerman RW: In vivo confocal imaging of corneal neovascularization. *Cornea* 17:646-653, 1998.

25. Kaufman SC, Maitchouk DY, Chiou AGY, Beuerman RW: Interface inflammation after in situ keratomileusis: sands of the Sahara syndrome. *J Cataract Refract Surg* 24:1589-1593, 1998.
26. Au Eong KG, Ohta T, Kaufman SC, Laird JA, Beuerman RW: *Dieffenbachia*-induced acute keratoconjunctivitis -- an in vivo confocal microscopic study. *Asia Pac J Ophthalmol* 10(4):23-26, 1998.
27. Chiou AGY, Kaufman SC, Beuerman RW, Ohta T, Kaufman HE: Differential diagnosis of linear corneal images on confocal microscopy. *Cornea* 18(1):63-66, 1999.
28. Chiou AGY, Kaufman SC, Beuerman RW, Ohta T, Kaufman HE: A confocal microscopic study of advancing wavelike epitheliopathy. *Arch Ophthalmol* 117:126-127, 1999.
29. Beuerman RW, Kaufman SC, Palkama KA: Confocal imaging: *In vivo* and clinical applications. *Microscopy Today* 99-2:9-10, 1999.
30. Kaufman SC: Post-LASIK interface keratitis, Sands of the Sahara syndrome, and microkeratome blades [Letter]. *J Cataract Refract Surg* 25:603-604, 1999.
31. Bovellet R, Kaufman SC, Thompson HW, Hamano H: Corneal thickness measurements with the Topcon SP-2000P specular microscope and an ultrasonic pachymeter. *Arch Ophthalmol* 117:868-870, 1999.
32. Chiou AGY, Kaufman SC, Kaz K, Beuerman RW, Kaufman HE: Characterization of epithelial downgrowth by confocal microscopy. *J Cataract Refract Surg* 25:1172-1174, 1999.
33. Chiou AGY, Chang C, Kaufman SC, Ohta T, Maitchouk D, Beuerman RW, Kaufman HE: Characterization of fibrous retrocorneal membrane by confocal microscopy. *Cornea* 17:669-671, 1998.
34. Chiou AGY, Kaufman SC, Beuerman RW, Maitchouk D, Kaufman HE: Confocal microscopy in posterior polymorphous corneal dystrophy. *Ophthalmologica* 213:211-213, 1999.
35. Chiou AGY, Beuerman RW, Kaufman SC, Kaufman HE: Confocal microscopy in lattice corneal dystrophy. *Graefes Arch Clin Exp Ophthalmol* 237:697-701, 1999.
36. Chiou AGY, Kaufman SC, Beuerman RW, Ohta T, Yaylali V, Kaufman HE: Confocal microscopy in the iridocorneal endothelial syndrome. *Br J Ophthalmol* 83:697-702, 1999.

37. Chiou AGY, Kaufman SC, Beuerman RW, Ohta T, Soliman H, Kaufman HE: Confocal microscopy in cornea guttata and Fuchs' endothelial dystrophy. *Br J Ophthalmol* 83:185-189, 1999.
38. Kaufman SC: Alternative refractive surgical techniques (Chapter 16, *Understanding Refractive Surgery: A Textbook for Ophthalmic Technicians*; Asbell P, ed) Williams and Wilkins Co. New York
39. Palkama A, Beuerman RW, Ohta T, Kaufman SC, Laird JA, Kaufman HE: In vivo confocal microscopy of the movement of microbeads through the aqueous outflow pathway. (Submitted)
40. Kaufman SC: Sands of the sahara, diffuse lamellar keratitis (DLK) and flap interface inflammation: the cause, prevention, and treatment of this common LASIK complication. *Acta Ophthalmologica*, 2000.
41. Kaufman SC, Fedor P: Biocompatibility and survivability of a new corneal refractive implant: two-year follow-up. *MOS Journal*, 2001
42. Fedor P, Kaufman SC: Incidence of white and hypermature cataracts in an urban hospital. *MOS Journal*, 2001
43. Ismail MM, Kaufman SC: Evaluation of the LASIK flap by confocal microscopy.
44. Ahee JA, Kaufman SC, Samuel MA, et al. Decreased incidence of epithelial defects during LASIK surgery. *J Cataract Refract Surg.* 2002 29:
45. Samuel SA, Kaufman SC, Ahee JA. Diffuse lamellar keratitis associated with carboxymethylcellulose sodium 1% (Celluvisc) after laser in situ keratomileusis. *J Cataract Refract Surg.* 2002; 28: 1409-1411
46. Ahee JA, Kaufman SC, Samuel MA, et al. Decreased incidence of epithelial defects during LASIK surgery. *Mosby Yearbook of Ophthalmology* 2003
47. Kaufman SC. Essential Iris Atrophy. *NORD Guide To Rare Disorders*. Lippincott Williams & Wilkins, Philadelphia, PA 2003: 650
48. Kaufman SC. Acute Posterior Multifocal Placoid Epitheliopathy. *NORD Guide To Rare Disorders*. Lippincott Williams & Wilkins, Philadelphia, PA 2003: 647
49. Kaufman HE, Insler MS, Ibrahim-Elzembely HA, Kaufman SC. Human fibrin tissue adhesive for sutureless lamellar keratoplasty and scleral patch adhesion: a pilot study. *Ophthalmology.* 2003 Nov;110(11):2168-72.

50. Ibrahim-Elzembely HA, Kaufman SC, Kaufman HE. Human fibrin tissue glue for corneal lamellar adhesion in rabbits: a preliminary study. *Cornea*. 2003 Nov;22(8):735-9.
51. Kaufman SC, Kaufman HE. Keratophakia: Keratophakia & Corneal Implants. *Textbook of Hyperopia Surgery*. Slack Inc . Chapter 18, 2004
52. Shaikh NM, Kaufman SC: Acular for the Regression of Myopic LASIK. *Cornea*. 2004 May;23(4):339-44
53. Kaufman SC, Musch DC, Belin MW, Cohen EJ, Meisler DM, Reinhart WJ, Udell IJ, Van Meter WS. Confocal microscopy: a report by the American Academy of Ophthalmology. *Ophthalmology*. 2004 Feb;111(2):396-406.
54. Stephen C. Kaufman, MD, PhD, Christopher Rusinek, MD, Azhar Salahuddin, MD, Jason Ahee, MD, Anu Prasad, MD. A Comparison of the Biocompatibility of Gatifloxacin 0.3% and Moxifloxacin 0.5%. *Cornea*. 2006 29(9 supp 2):S31-34.
55. Shaikh NM, Wee CE, Kaufman, SC. The Safety and Efficacy of Photorefractive Keratectomy After Laser In Situ Keratomileusis. *J Refractive Surg*. 2005 July/August 21: 353-358.
56. Abud G, Kaufman SC, Prasad A. Donor Cornea Endothelial Cell Damage Associated with Debris in the Storage Media. *Am J Ophthalmology*. Submitted for publication.
57. Kaufman SC, Kaufman HE. Confocal Microscopy in Refractive Surgery. *Current Opinions in Ophthalmology* 2006 17(4): 380-88.
58. Chiou AGY, Kaufman SC, Beuerman RW. Clinical Corneal Confocal Microscopy. *Survey of Ophthalmology* 2006 Sept-Oct 51(5): 482-500.
59. Dhaliwal JS, Chiou A, Kaufman SC. Current applications of clinical confocal microscopy. *Curr Opin Ophthalmol*. 2007 Jul;18(4):300-7.
60. Kaufman SC. Use of photorefractive keratectomy in a patient with a corneal scar secondary to herpes zoster ophthalmicus. *Ophthalmology*. 2008 Feb;115(2 Suppl):S33.
61. Kaufman SC. Anterior segment complications of herpes zoster ophthalmicus. *Ophthalmology*. 2008 Feb;115(2 Suppl):S24-32.
62. Dhaliwal J, Mason B, Kaufman, SC. Long-term Use of Topical Tachrolimus (FK-506) in High-risk Penetrating Keratoplasty. *Cornea*. 2008 May; 27(4): 488-493.

63. Cornelissen G, Halberg F, Kaufman SC, Sanchez de la Pena S, Otsuka K, Siegelova J, Fiser B, BIOCOS project. Should 7-day/24-hour chronobiologically interpreted blood pressure monitoring replace single measurements before cataract surgery? In: Halberg F, Kenner T, Fiser B, Siegelova J, eds. Proceedings, Noninvasive Methods in Cardiology, Brno, Czech Republic, October 4-7, 2008. p. 90-105.
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ABSTRACTS AND PRESENTATIONS:

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108. Kaufman SC. Adhesivos de fibrina en oftalmologia. XI International Cornea And Refractive Surgery Congress. Cancun, Mexico. July, 2005
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126. Kaufman, SC. Dry Eye Assessment and Therapy. NEI and Allergan Sponsored event, Minneapolis, MN. February 2008
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129. Kaufman SC. Toxic Anterior Segment Syndrome and Endophthalmitis. ASCRS/JHCAPO, Chicago, IL. April 2008
130. Kaufman SC. Topical Antibiotics in Ophthalmology: An Unbiased Assessment. Phillips Eye Institute quarterly meeting, Minneapolis, MN April 2008
131. Kaufman SC, Dhaliwal J. Cornea Collagen Cross-Linking and Keratocyte Apoptosis. ARVO, Fort Lauderdale, FL April 2008
132. Kaufman SC. Corneal Imaging: Confocal Microscopy in Refractive Surgery. World Ophthalmology Congress (WOC), Hong Kong, China June 2008
133. Kaufman SC. Residual Stromal Thickness: Direct Microimaging Techniques. World Ophthalmology Congress (WOC), Hong Kong, China June 2008
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148. Kaufman SC. The Use of Fibrin Tissue Adhesives in Lamellar Corneal Grafts. American Academy of Ophthalmology, San Francisco, CA. Nov. 2009
149. Kaufman SC. The Use of Fibrin Tissue Adhesives in Ophthalmology. ASCRS Annual Meeting. Boston, MA. April 2010
150. Kaufman SC. The Use of Fibrin Tissue Adhesives in Pterygium Surgery. ASCRS Annual Meeting. Boston, MA. April 2010
151. Kaufman, SC. Confocal Microscopy in the Clinic. SUNY Downstate Dept of Ophthal. Grand Rounds. Brooklyn, NY. July 2010
152. Kaufman SC. Refractive Surgery Complications: How to Treat Them and How to Avoid Them. SUNY Downstate Dept of Ophthal. Grand Rounds. Brooklyn, NY. July 2010
153. Kaufman SC. The Use of Tissue Adhesives in Anterior Segment Surgery. "Best Paper" Review. American Academy of Ophthalmology. Chicago, IL October 2010
154. Kaufman SC. OCT and Confocal Microscopy in Anterior Segment Imaging. American Academy of Ophthalmology. Chicago, IL October 2010
155. Kaufman SC. The Use of Fibrin Tissue Adhesive in Lamellar Surgery. American Academy of Ophthalmology. Chicago, IL October 2010
156. Kaufman SC, Yuan C. Cryopreservation of Corneal Stem Cells. Cornea Society. Chicago, IL October 2010
157. Kaufman SC, Yuan C. Cryopreservation of Corneal Stem Cells. ASCRS Best Cornea Papers Session, San Diego, CA. March 2011
158. Kaufman SC, Yuan C. Cryopreservation of Corneal Stem Cells. ARVO, Ft Lauderdale FL. May 2011
159. Kaufman SC. The Iris Mass: When to Worry & How to Treat. University of Minnesota Anterior Segment Regional Symposium. September 2011
160. Kaufman SC. Dry Eye Diagnosis by MMP-9. Cornea Day, ASCRS, Chicago, IL. April 2012
161. Kaufman SC. The Pharmacologic Treatment of Presbyopia, Innovators' Lecture, ASCRS, Chicago, IL. April 2012
162. Kaufman, SC. Case Presentations: HVZ Uveitis and Cogan's Syndrome. Harris Lecture / Symposium. University of Minnesota. November 2012

163. Kaufman, SC. Anterior Segment Melanoma. Current Concepts in Ophthalmology – SUNY Downstate, Atlantic City, NJ. January 2013
164. Kaufman, SC. Amoebic Keratitis. Current Concepts in Ophthalmology – SUNY Downstate, Atlantic City, NJ. January 2013
165. Kaufman, SC. Confocal Microscopy. Current Concepts in Ophthalmology – SUNY Downstate, Atlantic City, NJ. January 2013
166. Kaufman SC. Cornea Case Studies. Midwest Cornea Association, Key Largo, FL. March 2013
167. Kaufman SC. Calcineurin Inhibitors for Corneal Transplant Rejection. ASCRS, San Francisco, CA. April 2013
168. Kaufman, SC. Fibrin Tissue Adhesive and Amniotic Membranes in Anterior Segment Surgery. ASCRS, San Francisco, CA. April 2013
169. Suri, K, Kaufman SC. Long-term Corneal Stem Cell Transplant Survival. ARVO, Seattle, WA. May, 2013
170. Kaufman, SC. Yuan C. Suri, K. Cryopreservation of Corneal Limbal Stem Cells. EU Cornea. Amsterdam, Netherlands, October 2013
171. Kaufman, SC. Corneal Surface Reconstruction: State of the Art. EU Cornea. Amsterdam, Netherlands, October 2013
172. Kaufman, SC. LASIK: Pearls and Pitfalls. William Beaumont Hospital & Oakland University Medical School. Royal Oak, MI. September 2013
173. Kaufman, SC. Pterygium. American Academy of Ophthalmology: Breakfast with the Experts Symposium. New Orleans, LA. November 2013
174. Kaufman, SC. DSAEK Pearls. Current Concepts in Ophthalmology, Atlantic City, NJ. January 2014
175. Kaufman, SC. Acanthamoeba Keratitis. Current Concepts in Ophthalmology, Atlantic City, NJ. January 2014
176. Kaufman, SC. Clinical Confocal Microscopy. Current Concepts in Ophthalmology, Atlantic City, NJ. January 2014
177. Kaufman, SC. Corneal Inflammation, Infectious Keratitis, Ulceration and Perforation. Advanced Cornea Conference, Fort Lauderdale, FL. March 2014

178. Kaufman, SC. Acanthamoeba Keratitis. Advanced Cornea Conference, Fort Lauderdale, Fl. March 2014
179. Kaufman, SC. Confocal Microscopy - Clinical Applications. Advanced Cornea Conference, Fort Lauderdale, Fl. March 2014
180. Kaufman, SC. Current Prospectives in Ocular Surface Diseases. Advanced Cornea Conference, Fort Lauderdale, Fl. March 2014