

Curriculum Vitae

Douglas D. Koch, M.D

Office: [Cullen Eye Institute](#)
[Baylor College of Medicine](#)
Department of Ophthalmology
6565 Fannin, NC-205
Houston, Texas 77030
(713) 798-6443

Education:

College:	Amherst College, Amherst, Massachusetts, summa cum laude (A.B. Degree)	1969-1973
Medical School:	Harvard Medical School, Boston, Massachusetts (M.D. Degree)	1973-1977
Internship:	St. Luke's Episcopal Hospital, Houston, Texas (Internal Medicine; Chairman: Irving Schweppe, M.D.)	1977-1978
Residency:	Baylor College of Medicine, Houston, Texas (Ophthalmology; Chairman: David Paton, M.D.)	1978-1981
Fellowships:	Moorfields Eye Hospital, London, United Kingdom (Cornea and Anterior Segment Surgery; Noel S. C. Rice, F.R.C.S.)	7/81-9/81
	Jared M. Emery, M.D., David J. McIntyre, M.D., Clifford Terry, M.D., and J. James Rowsey, M.D. (Anterior Segment and Refractive Surgery)	10/81-4/82

Board Certification:

American Board of Ophthalmology	1982
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Medical Licensure:

Texas	F1717	1978
California	C40248	1982

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Academic and Hospital Appointments:

The Allen, Mosbacher, and Law Chair in Ophthalmology Baylor College of Medicine Houston, Texas	1999 - Present
Professor of Ophthalmology Baylor College of Medicine Houston, Texas	1998 – Present
Associate Professor of Ophthalmology Baylor College of Medicine Houston, Texas	1991 – 1998
Assistant Professor of Ophthalmology Baylor College of Medicine Houston, Texas	1982 - 1991
Director Residency Training Program Department of Ophthalmology Baylor College of Medicine	1992 – 1996
Associate Attending Physician Harris County Hospital District Houston, Texas	1982 – Present
Staff Physician Houston Veterans Administration Hospital Houston, Texas	1982 – Present
Active Staff The Methodist Hospital Houston, Texas	1982 – Present
Active Staff St. Luke’s Episcopal Hospital Houston, Texas	1982 – Present

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Awards and Honorary Societies:

National Merit Scholarship Finalist	1968
Phi Beta Kappa, Amherst College, Amherst, Massachusetts	1973
Alpha Omega Alpha, Harvard Medical School, Boston Massachusetts	1977
Second Place, Residents' Paper Award, 23rd Annual Meeting of the Texas Ophthalmological Association, Dallas, Texas	1979
Everett L. Goar Research Award in Ophthalmology, Baylor College of Medicine, Houston, Texas	1980
Third Place, Residents' Paper Award, 25th Annual Meeting of the Texas Ophthalmological Association, Dallas, Texas	1981
Dan B. Jones Teaching Award, Cullen Eye Institute, Baylor College of Medicine	1996
Elected to the American Ophthalmological Society	1996
American Academy of Ophthalmology Senior Honor Award	1998
America's Top Doctors, Castle Connolly Medical LTD.	2001- Present
Best of the U.S., Best of the U.S. Inc.	2007
Texas Super Doctors	2005 - Present
Houston Top Docs by H Texas Magazine	2005 - Present
American Registry Top Doctor	2005 – Present
American Registry – America's Leading Expert Astigmatism	2010 - Present
American Academy of Ophthalmology Lifetime Achievement Honor Award	2009

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Awards and Honorary Societies: (continued)

Qualified and listed at [Trusted LASIK Surgeons](#), an online directory of LASIK, refractive and cataract surgeons that screens surgeons based on experience, professional qualifications and patient care. 2009-Present

Named as of one “Premier Surgeons” in the United States by the magazine *Premier Surgeon*. 2010

Funded Research:

Principle Investigator: Storz multifocal. Funding source: Storz.

Principle Investigator: 3M multifocal

Principle Investigator: 3M hydrogel

Principle Investigator: Alcon IOGEL. Funding source: Alcon Laboratories, Inc.

Principle Investigator: Clinical investigation of Acrysof IOL. Funding source: Alcon Laboratories, Inc.

Principle Investigator: Nidek EC-5000 excimer laser system for photorefractive surgery performed as an intrastromal keratectomy under a keratomileusis flap (NE76 LASIK expanded study). Funding source: Nidek Technologies, Inc. Funding amount: \$77,378. (IRB protocol # H-6283).

Principle Investigator: A prospective study to determine the safety, efficacy, and acceptability of LASIK (Laser assisted in situ keratomileusis) with the VISX Star S2 excimer laser system for treatment of mixed astigmatism with cylinder $\leq +6.00$ diopters (spectacle plane). Funding source: Advanced Medical Optics, Inc. Funding amount: \$4718. (IRB protocol # H-8696).

Principle Investigator: A prospective study to determine safety and effectiveness of WaveScan derived ablation targets with the VISX Star Excimer Laser System (CVW 11). Funding source: VISX. Funding amount: \$70,392. (IRB protocol # H-10090).

Principle Investigator: A prospective study to determine safety and effectiveness of WaveScan-guided LASIK for the treatment of presbyopic patients using monovision with the VISX Star S4 excimer laser system. Funding source: Advanced Medical Optics, Inc. Funding amount: \$221,475. (IRB protocol # H-16038).

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Funded Research: *(continued)*

Principle Investigator: A prospective study to determine safety and effectiveness of WaveScan guided LASIK for the treatment of high myopia with and without astigmatism with the VISX Star S4 excimer laser system. Fund source: Advanced Medical Optics, Inc. Funding amount: \$56,597. (IRB protocol # H-15083).

Principle Investigator: A prospective study to determine safety and effectiveness of WaveScan derived ablation targets for the treatment of hyperopia with and without astigmatism and mixed astigmatism with the VISX Star excimer laser system. Funding source: Advanced Medical Optics, Inc. Funding amount: \$15,610. (IRB protocol # H-13065).

Principle Investigator: Clinical investigation of the AcrySof single-piece toric intraocular lens model SA60TT. Funding source: Alcon Laboratories, Inc. Funding amount: \$26,967. (IRB protocol # H-11610).

Principle Investigator: The role of Galilei Dual Scheimpflug Analyzer in IOL power calculation. Funding source: Ziemer Group. Funding amount: \$7500.00. (IRB protocol # H-23470).

Co-investigator: A clinical safety and efficacy comparison of Nevanac 0.1% to vehicle following cataract surgery in diabetic retinopathy patients. Funding source: Alcon Laboratories, Inc. Funding amount: pending. (IRB protocol # H-23822).

Principle Investigator: A prospective multicenter clinical study to evaluate the safety and effectiveness of the Synchrony dual optic intraocular lens in patients undergoing cataract extraction. Funding source: Visiogen, Inc. Funding amount: \$62,414. (IRB protocol # H-25717).

Principle Investigator: Clinical investigation of extended cylinder power AcrySof Toric IOLs. Funding source: Alcon Laboratories, Inc. Funding amount: pending. (IRB protocol # H-25717).

Principle Investigator: Evaluation of the Optovue RTVue optical coherence tomography. Funding source: Optovue, Inc. Funding amount: pending. (IRB protocol # H-24509)

Principle Investigator: Guiding the treatment of anterior eye diseases with optical coherence tomography. Funding source: National Eye Institute (RO1 EY018184, subcontract). Funding amount: pending. (IRB protocol# H-25269)

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Recent Posters

Wang L, Koch DD. Accuracy and reproducibility of the VISX WaveScan aberrometer for measuring lower- and higher-order aberrations. 3rd international congress of wavefront sensing and aberration-free refractive correction, Interlaken, Switzerland, Feb 15-17, 2002

Weikert MP, Wang L, Koch DD. Calculated wavefront refraction as a function of pupil size: evaluation of the VISX WaveScan wavefront system. The Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, May 4-9, 2003

Wang L, Koch DD. Effect of decentration of wavefront-guided IOLs on the higher-order aberrations of the eye. The Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, April 25-29, 2004

Wang L, Koch DD. Effect of rotation of wavefront-guided IOLs on the higher-order aberrations of the eye. The Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, May 1-5, 2005

Warren DF, Thibos L, Haggerty K, Wang L, Koch DD. The effect of rotation of wavefront-correcting intraocular lenses on image quality of the eye. The Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, April 30-May 4, 2006

Wang L, Koch DD. Clinical improvements with Pupil Centroid Shift Compensation. International wavefront congress, The Bahamas, Jan. 2006

Wang L, Koch DD. Fitting methods for calculating changes in corneal wavefront aberrations: best-fit-sphere or plane reference? The Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, April 30-May 4, 2006

Wang L, Koch DD. Functional optical zone after wavefront-guided corneal ablation: analysis based on polychromatic retinal image quality. American Society of Cataract and Refractive Surgery (ASCRS), San Diego, CA, April 28- May 2, 2007

Herz NL, Wang L, Koch DD. Predictive error of IOL power calculations for second eye based on refractive outcome in first eye. American Society of Cataract and Refractive Surgery (ASCRS), San Diego, CA, April 28- May 2, 2007

Wang L, Koch DD. Customizing selection of IOL asphericity based on pre-existing corneal HOAs. The Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, May 6-10, 2007

Shirayama M, Wang L, Weikert MP, Koch DD. Prediction of IOL position using the Galilei. American Society of Cataract and Refractive Surgery (ASCRS), Chicago, IL, USA, April 4-8, 2008

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Wang L, Koch DD, Mahmoud AM, Roberts CJ. Total corneal power estimation by Ray tracing versus Gaussian optics. Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, May 3-7, 2009

Bird M, Norrby S, Wang L, Koch DD, Piers PA. Calculating IOL power for myopic LASIK patients using real ray tracing. Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, May 3-7, 2009

Piers PA, Bird M, Wang L, Koch DD, Weeber H. Theoretical performance evaluation of post-myopic LASIK eyes implanted with IOLs with varying degrees of aberration correction. Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, May 3-7, 2009

Shirayama M, Wang L, Koch DD. Repeatability of corneal powers and wavefront aberrations measured with the Galilei dual Scheimpflug analyzer. Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, May 3-7, 2009

Roberts CJ, Mahmoud AM, Wang L, Koch DD. Comparison of ray-traced total corneal power vs. Gaussian total power and the influence of posterior surface power. Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, May 3-7, 2009

Chang VY, Wang L, Koch DD. Peripheral corneal relaxing incisions in naturally occurring astigmatism. Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, May 3-7, 2009

Shirayama M, Wang L, Weikert MP, Koch DD. Comparison of corneal refractive powers obtained from Galilei, IOLMaster, Atlas, and manual keratometer. American Society of Cataract and Refractive Surgery (ASCRS), San Francisco, CA, April 3-8, 2009.

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Editorial Boards:

Journal of Cataract and Refractive Surgery	1987 – Present
Editor	2001 - 2007
Associate Editor	1994 – 2001
Ophthalmic Surgery	1980 – Present
Ophthalmic Practice	1997 – 2005
Revista Brasileira de Oftalmologia	1997 – 2007
EyeNet Editorial Advisory Board	1998 - 2004

National Review Panels:

Member, Food and Drug Administration Ophthalmic Devices Advisory Panel	1989 - 1991
Member, Physician Payment-Relative Value Study Ophthalmology Technical Review Panel	1990 – 1994
Consultant, Variations in Cataract Management: Patient and Economic Outcome, The Johns Hopkins School of Hygiene and Public Health	1991 - 1993

Associations and Memberships:

American Society of Cataract and Refractive Surgery	1982 – Present
President	2000 – 2001
Immediate Past President	2001 – 2002
ASCRS Past President	2002 - 2003
Chair, Executive Committee	1985 - Present
Vice President	1999 - 2000
Secretary	1997 - 1999
Chief Financial Officer	1995 - 1997
Scientific Advisory Board	1987 - 1990
Chair, Residents and Fellows Education	2007 – Present
Integrated Eyecare Delivery Task Force	2007 - 2009

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American Academy of Ophthalmology	1978 – Present
Several committee assignments and projects, including:	
Executive Committee, RSIG	1996 - 2000
Preferred Practice Patterns: Anterior Segment	1999 - 2001
Committee on Ophthalmic Procedures Assessment	1996 - 2001
EyeNet Editorial Board	1999 - 2004
American Ophthalmological Society	1996 – Present
President	2011-2012
Council Chair	2009-2010
Member of Council	2005 – Present
Program Committee	2002-2005
Chairperson, New Member Committee	2002-2000
Texas Ophthalmological Association	1980 – Present
American Medical Association	1981 – Present
Harris County Medical Society	1981 – Present
Texas Medical Association	1981 – Present
Houston Ophthalmological Society	1983 – Present
President	1991 - 1992
International Intra-ocular Implant Club	1989 - Present
President	1998 – 2000
President-elect	1996 – 1998
Secretary	1994 - 1996
International Society of Refractive Keratoplasty/Surgery	1985 – Present
Board of Directors	1991 – 1994
Secretary	1992 - 1994
Pan-American Association of Ophthalmology	1985 – Present
Board of Directors	2001 - 2007
Castroviejo Society	1986 – Present
Ocular Microbiology and Immunology Group	1986 – 2004
Association for Research in Vision and Ophthalmology	1987 – Present
Contact Lens Association of Ophthalmologists	1985 – 1997

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Cataract and Implant Council

1987 - 1988

Named Lectureships and Visiting Professorships:

1990: The Wilmer Institute, Johns Hopkins' University school of Medicine: Visiting Professor of Ophthalmology.

1991: Dean A. McGee Eye Institute, University of Oklahoma School of Medicine: Professors' Guest Lecture Series.

April, 1992: The Bernard C. Gettes Memorial Symposium, Wills Eye Hospital 44th Annual Conference, Philadelphia, Pennsylvania.

June, 1992: The Louis J. Girard Lectureship, Baylor College of Medicine Annual Ophthalmology Alumni Association Meeting, Houston, Texas.

February, 1993: The 19th Annual Howard A. Naquin Memorial Lecture, Greater Baltimore Medical Center, Baltimore, Maryland.

November, 1993: The Binkhorst Medal Lecture, 1993 Annual Meeting of the American Academy of Ophthalmology, Chicago, Illinois.

June, 1994: VIII Distinguished Lans Lecture, XXVIIth International Congress of Ophthalmology, Toronto, Ontario, Canada.

May, 1995: Dr. Gissur J. Peterson Visiting Professor, Department of Ophthalmology, University of Arkansas College of Medicine.

December, 1995: Ronald G. Michels Memorial Lecture, The Wilmer Institute, Johns Hopkins University School of Medicine.

April, 1996: McCullough Lecturer, 29th Annual University of Texas Medical Branch Ophthalmology Alumni Meeting, Galveston, Texas.

January, 1997: Knights Templar Foundation Lecture in Ophthalmology, Emory University School of Medicine, Emory Eye Center, Atlanta, Georgia.

October, 1997: Glover-Lisman Visiting Professorship, Manhattan Eye, Ear & Throat Hospital, Department of Ophthalmology, New York, New York.

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January, 1998: First Richard L. Lindstrom Keynote Surgical Lecturer, Contact Lens Association of Ophthalmologists annual meeting, Las Vegas, Nevada.

April, 1998: Twenty-Ninth Jules Stein lecturer, Jules Stein Eye Institute Annual Postgraduate Seminar, Los Angeles, California.

September, 1998: Rayner Medal Lecturer, United Kingdom and Ireland Society of Cataract and Refractive Surgeons, London, England.

March, 1999: Robert H. Hales Memorial Lecture, University of Utah Health Sciences Center Residents/Alumni Day, Salt Lake City, Utah.

May, 1999: 20th Tullos O. Coston Lecturer, University of Oklahoma, Department of Ophthalmology, XXIII Resident & Alumni Meeting, Oklahoma City, Oklahoma.

July, 2000: First Gold Medal Lecturer, Australian Society of Cataract and Refractive Surgery, Queensland, Australia.

September, 2001: Tenth Annual Walter J. Stark Memorial Lecturship. Dean A. McGee Eye Institute, University of Oklahoma, Oklahoma City, Oklahoma.

March, 2002: Irving H. Leopold Lecture 2002. Wills Eye Hospital 54th Annual Conference, Philadelphia, Pennsylvania.

December 2002: Kayes Lecturer, Washington University School of Medicine, St. Louis, Missouri.

March 2004: Harvey E. Thorpe Lecturer, 40th Annual Meeting of the Pittsburgh Ophthalmology Society, Pittsburgh, Pennsylvania.

March 2004: William E. Bruner, M.D., Memorial Lecturer, Case Western Reserve University School of Medicine, Cleveland, OH.

June 2004: Lim Lecturer, Asia Pacific Association of Cataract and Refractive Surgeons, Bali, Indonesia.

September 2004: Rayner Medal Lecture, United Kingdom & Ireland Society of Cataract & refractive Surgeons, London, England.

May 2006: Barraquer Lecture and Award, ISRS/AAO Award, Half Moon Bay, CA

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Select Invited Presentations:

June, 1983: "Cataract extraction and lens implantation," Invited Guest Speaker, Colorado Ophthalmological Society 68th Annual Seminar in Ophthalmology, Tamarron, Colorado.

August, 1983: "Anterior chamber lens complications," First International Symposium on Cataract and Intraocular Lens Surgery, Rio de Janeiro, Brazil.

August, 1983: "Glaucoma and intraocular lens surgery," First International Symposium on Cataract and Intraocular Lens Surgery, Rio de Janeiro, Brazil.

December, 1983: "Adverse effects of wearing contact lenses," Baylor College of Medicine Contact Lens Technology Course, Houston, Texas.

November, 1984: "Outpatient surgery in the hospital," Caribbean Eye Symposium, St. Thomas, U.S. Virgin Islands.

May, 1985: Current Concepts in Cataract Surgery Course, The Bowman Gray School of Medicine, Winston-Salem, North Carolina.

January, 1986: "IOL materials and complications," Coburn Education Seminar, Orlando, Florida.

March, 1986: Panelist, Videotape: Symposium on unwanted optical effects of intraocular lenses, 1986 Ophthalmic Insights Series, IOLAB Corp., Covina, California.

April, 1986: "New advances in corneal transplantation and epikeratophakia," The Hospital San Jose De Monterrey Conference, Monterrey, Mexico.

April, 1986: Lecturer, Tulane-Ellender Contact Lens Course, New Orleans, LA.

November, 1986: Discussant of Asbell, PA, "Radial keratotomy and glare measurements," 1986 Annual Meeting of the American Academy of Ophthalmology, New Orleans, LA.

January, 1987: "Current status of contact lenses, intraocular lenses, and radial keratotomy," Providence Hospital, Waco, TX.

April, 1988: Lecturer, "VI Simposium Internacional de Medicina ITESM," Monterrey, Mexico.

April, 1988: Washington State Academy of Ophthalmology, Seattle, WA.

October, 1988: Discussant of Osher, RH, "The Details and Fate of Eyes with Torn Posterior Capsules," 1988 Annual Meeting of the American Academy of Ophthalmology, Las Vegas, NV.

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October, 1988: "Visual Function Testing in the Decision to Operate," 1988 Annual Meeting of the American Academy of Ophthalmology, Las Vegas, NV.

August, 1989: "Complicaciones trans-operatorios de los lio." Asociacion Para Evitar la Ceguera en Mexico, XXVI Curso de Actualizacion en oftalmologia, Mexico City, Mexico.

September, 1989: "Multilamellar hydrodissection in phacoemulsification." First World Convention on Phacoemulsification and Small Incision IOL, Monte-Carlo, Monaco.

October, 1989: Kayser Group of Ophthalmologists, San Francisco, CA.

December, 1989: "General Principles of Refractive Surgery" and "Future Trends in Refractive Surgery," AAO Southeast Regional Update Course, Miami, FL.

April, 1990: The IV International Cataract and Intraocular Lens Symposium, Guadalajara, Mexico.

July, 1990: The Colorado Ophthalmological Society 76th Annual Summer Meeting, Keystone, CO.

July, 1990: The Multifocal Seminar Series, "An Introduction to the Future of Aphakic Correction." Houston, TX.

October, 1990: "The optimal design of a bifocal/multifocal lens," 1990 Annual Meeting of the American Academy of Ophthalmology, Atlanta, GA.

October, 1990: Discussant of Steinert, RF, "The effect of 4.0 mm vs. 6.5 mm incisions on visual acuity and astigmatism: a prospective, randomized trial," 1990 Annual Meeting of the American Academy of Ophthalmology, Atlanta, GA.

May, 1991: "Astigmatism and the limbal incision," and "Issues with multifocal intraocular lenses," Harvard Medical School Alumni Association Meeting, Boston, MA

June, 1991: "Corneal refractive surgery using hydrogen fluoride laser," VI International Congress on Cataract and Refractive Surgery, Florence, Italy

July, 1991: "Astigmatism and the limbal incision," New Orleans Academy of Ophthalmology, New Orleans, LA

July, 1991: "Technique of posterior chamber phako," "Astigmatism and the limbal incision," and "Management of IOL complications," Michigan Ophthalmological Society, Mackinac Island, MI

September, 1991: "Capsulorhexis - pearls and pitfalls," "Phacoemulsification technique," and "Management of the dislocated IOL," Sally Letson Symposium, Ottawa, Ontario.

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March, 1992: 2nd International Symposium on Quality of Cataract Surgery, Phacoemulsification Course, Stockholm, Sweden.

July, 1992: Northern Summer Eye Symposium, University of Minnesota, Department of Ophthalmology, Minneapolis, Minnesota.

August, 1992: Asociacion Para Evitar La Ceguera en Mexico Symposium, Mexico City, Mexico.

October, 1992: Cataract 1992, Presbyterian Hospital of Dallas, Department of Ophthalmology, Dallas, Texas.

October, 1992: Intermediate Phacoemulsification and Small Incision Cataract Surgery Course, Case Western Reserve University, Cleveland, Ohio.

January, 1993: Pittsburgh Ophthalmological Society, Pittsburgh, Pennsylvania.

April, 1993: Phacoemulsification Course, Casey Eye Institute, Oregon Health Sciences University, Portland, Oregon.

April, 1993: "Phacoemulsification Techniques", Austin Ophthalmological Society, Austin, Texas.

June, 1993: 7th International Congress on Cataract and Refractive Surgery, Florence, Italy.

August, 1993: Cataract Update and Advances in Phacoemulsification, American Academy of Ophthalmology Summer Institute, Washington, D.C.

September, 1993: XIth Congress of the European Society of Cataract and Refractive Surgery, Innsbruck, Austria.

September, 1993: Complicaciones y Controversias en Ciugia de Catarata, Monterrey, Mexico.

October, 1993: Course Director, Phacoemulsification Surgical Techniques, 1993, American Academy of Ophthalmology, Philadelphia, Pennsylvania.

December, 1993: New England Ophthalmological Society, Boston, Massachusetts.

February, 1994: International Seminar on Cataract & IOL Surgery - APPI Crystal Club '94, Tokyo, Japan.

March, 1994: Current Concepts in Phacoemulsification, Lenox Hill Hospital, Department of Ophthalmology, New York, New York.

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December, 1994: VI Congreso Venezolano de Oftalmología, XLII Congreso Nacional de Oftalmología, Caracas, Venezuela.

December, 1994: 9th Symposium of the Greek Intra-Ocular Implant and Refractive Surgery Society, Athens, Greece.

January, 1995: The 18th Congress of the Japanese Society of Ophthalmic Surgery, Kyoto, Japan.

March, 1995: The University of Iowa Hospitals and Clinics, Department of Ophthalmology, Clinical Conference, Iowa City, Iowa.

June, 1995: Oftalmología Muguerza, S.A. de C.V., Phacoemulsification Course, Monterrey, Mexico.

June, 1995: Asociación Para Evitar La Ceguera en Mexico Symposium, Mexico City, Mexico.

August, 1995: Colorado Ophthalmological Society, Boulder, Colorado.

November, 1995: Interamerican Course, Bascom Palmer Eye Institute, Miami, Florida.

May, 1996: University of Michigan Annual Postgraduate Conference, Ann Arbor, Michigan.

July, 1996: Argentina Ophthalmological Society, Buenos Aires, Argentina.

September, 1996: Spectrum '96, Detroit, Michigan.

October, 1996: European Society of Cataract & Refractive Surgery, Gothenburg, Sweden.

November, 1996: International Meeting on Cataract, Implant, Microsurgery, and Refractive Keratoplasty, Perth, Australia.

December, 1996: Texas Society of Ophthalmology and Otolaryngology, Corpus Christi, Texas.

March, 1997: Current Concepts in Ophthalmology, Vail, Colorado.

May, 1997: Pan American Congress of Ophthalmology, Cancun, Mexico.

May, 1997: American Ophthalmological Society, Pebble Beach, California.

May, 1997: Texas Ophthalmological Society, Houston, Texas.

July, 1997: Brazilian Society of Ophthalmology, Rio de Janeiro, Brazil.

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September, 1997: European Society of Cataract & Refractive Surgery, Prague, Czechoslovakia.

September, 1997: Sociedad Mexicana de Oftalmologia, Asociacion Mexicana de microcirugia de Catarata e Implantas, Mexico City, Mexico.

February, 1998: Hawaii Ophthalmological Society 14th Annual Mid-Winter Seminar, Honolulu, Hawaii.

February, 1998: Ophthalmology Grand Rounds guest speaker, Henry Ford Hospital, Detroit, MI.

June, 1998: XXVIII International Congress of Ophthalmology, Amsterdam, The Netherlands.

September, 1998: The Royal College of Ophthalmologists, London, England.

October, 1998: Ocular Surgery New Symposium, New York, New York.

December 1998: Advanced Concepts in Phacoemulsification, Chicago, IL

January, 1999: Phaco, Foldables and Refractive Results, Park City, UT.

March, 1999: Current Concepts in Ophthalmology, Vail, CO.

July, 1999: International Society of Refractive Surgery Summer World Refractive Surgery Symposium, Miami, FL.

September, 1999: European Society of Cataract and Refractive Surgery, Vienna, Austria.

September, 1999: Cataract 1999, Ophthalmology Dept., Presbyterian Hospital, Dallas, TX.

October, 1999: Ocular Surgery News Symposium, New York, NY.

December, 1999: Italian Society of Ophthalmology, Naples, Italy.

January, 2000: Phaco, foldables, and refractive results, Park City, UT.

February, 2000: II Curso Internacional de Actualizacion y Nuevas Tendencias en Oftalmologia, Hospital Jose A.Muguerza, University of Monterrey, Mexico.

February, 2000: New Orleans Society of Ophthalmology, New Orleans, LA.

March, 2000: Current Concepts in Ophthalmology, Vail, CO.

June, 2000: Chicago Ophthalmological Society, 25th Annual Clinical Conference, Chicago, IL.

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June, 2000: Top of the World Symposium, Anchorage, AK.

July, 2000: First meeting of the World Federation of Cataract and Refractive Surgery, Buenos Aires, Argentina.

December, 2000: Ophthalmic Symposium - Advanced concepts in cataract and refractive surgeries, Chicago, IL.

January, 2001: Phaco, foldables and refractive results. Park City, UT.

March, 2001: Current concepts in Ophthalmology, Vail, CO.

March, 2001: IV Congreso Internacional - XII Congreso nacional de Oftalmologia, Havana, Cuba.

September 2001: 5th Annual Ophthalmology Symposium, University of Colorado Health Sciences Center, Denver, CO.

January 2002: Phaco, foldables and refractive results, Park City, UT.

March 2002: Spring Cataract and Refractive Surgical Symposium, William Beaumont Hospital, Royal Oak, MI.

March 2002: Current Concepts in Ophthalmology, Vail, CO.

March 2002: Bernard C. Gettes Symposium, Wills Eye Hospital Annual Conference, Philadelphia, PA.

April 2002: XXIX International Congress of Ophthalmology, Sydney, Australia.

September 2002: Instituto Tecnológico, Monterrey, Mexico.

November 2002: Annual Refractive Surgery Conference, Vanderbilt University, Nashville, TN.

January 2003: Phaco, foldables, and refractive results, Park City, UT.

February 2003: 4th International Congress of Wavefront Sensing, San Francisco, CA.

March 2003: XXIV Pan-American Congress of Ophthalmology, San Juan, Puerto Rico.

June 2003: Japanese Society for Cataract Research and Japanese Society for Cataract and Refractive Surgery, Kyoto, Japan.

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August 2003: Michigan Ophthalmological Society, Mackinaw Island, MI.

September 2003: European Society of Cataract and Refractive Surgeons, Munich, Germany.

January 2004: Phaco, foldables, and refractive results, Park City, UT.

March 2004: 21st Annual Current Concepts in Ophthalmology, Vail, CO.

March 2004: 40th Annual Meeting of the Pittsburgh Ophthalmology Society, Pittsburgh, PA.

May 2004: 22nd Annual Ophthalmology Conference, Case Western Reserve University, Cleveland, OH.

September 2004: European Society of Cataract and Refractive Surgeons, Paris, France.

October 2004: Sally Leston Symposium, University of Ottawa, Ottawa, Canada.

November 2004: Dallas Academy of Ophthalmology, Dallas, TX.

January, 2005: Phaco, foldables, and refractive results, Park City, UT.

March, 2005: Alicante Refractive International 2005, Alicante, Spain.

March, 2005: Moorfields Bicentenary Scientific Meeting, London, England.

January, 2006: Phaco, foldables, and refractive results, Park City, UT.

March, 2006: Washington Academy of Eye Physicians & Surgeons, Seattle, WA

May, 2006: Irish College of Ophthalmologists Annual Meeting, Dublin, Ireland

April, 2007: Presbyterian Hospital of Dallas, Spring Symposium, Dallas, TX

May, 2007: XXVII Congreso Panamericano de Oftalmologia, Cancun, Mexico

September, 2007: DOG, Berlin, Germany

September, 2007: 20th Asia-Pacific Association of Cataract and Refractive Surgeons 2007 Annual Meeting, Hanoi, Vietnam

January, 2008: International Military Refractive Surgery Congress, San Antonio, TX

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May, 2008: Oregon Ophthalmological Alumni Association's 63rd Annual Meeting, Portland, OR

December, 2008: Chilean Congress of Ophthalmology, Puerto Varas, Chile

September, 2009: 4th Annual Gavin Hebert Eye Institute Colloquium, Irvine, CA

Publications:

Full papers:

Koch DD, Knauer WJ, and Emery JM. Flexible anterior chamber intraocular lens expulsion. Am Intra-ocular Implant Soc J 1985; 11:286-288.

Koch DD, Knauer WJ, and Emery JM. High-altitude corneal endothelial decompensation. Cornea 1984/1985; 3:189-191.

Demer JL, Koch DD, Smith JA, and Knolle Jr. GE. Persistent elevation in intraocular pressure after Nd:YAG laser treatment. Ophthalmic Surgery 1986; 17:465-466.

Koch DD, Jardeleza TL, Emery JM, and Franklin D. Glare following posterior chamber intraocular lens implantation. J Cataract Refract Surg 1986; 12:480-484.

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Douglas D. Koch, M.D

Emery JM and Koch DD. Extracapsular cataract extraction and posterior chamber lens implantation. In Koch DD and Spaeth GL (eds.): Cornea. Glaucoma. Lens. Volume II of Heilmann K and Paton D (eds.): Atlas of Ophthalmic Surgery. Stuttgart, Georg Thieme Verlag, 1986.

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Koch DD, Husain SE. Corneal topography to detect and characterize corneal pathology. In Gills JP, et al (eds.): Corneal Topography The State of the Art. Thorofare, Slack Incorporated, 1995.

Koch DD, Novak KD. Wound dehiscence following cataract surgery. In Steinert R (ed.): Cataract Surgery: Evaluation, Technique, and Complication Management. In Publication.

Husain SE, Kohnen T, Durrie DS, Koch DD. Holmium:YAG laser thermal keratoplasty for refractive surgery. In Rich LF (ed.): Principles and Practice of Refractive Surgery. Philadelphia, W.B. Saunders Company 1997.

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Wang L, Misra M, Koch DD. Intraoperative Complications. In Azar DT, Koch DD (eds.) LASIK: Fundamentals, Surgical Techniques, and Complications. New York, Marcel Dekker, Inc., 2002.

Wang N, Koch DD. Management of Interlamellar Epithelium. In Azar DT, Koch DD (eds.) LASIK: Fundamentals, Surgical Techniques, and Complications. New York, Marcel Dekker, Inc., 2002.

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Wang L, Koch DD, Azar DT, Ang, RT, Yildirim R. Corneal Topography and LASIK Applications. In Azar DT, Koch DD (eds.) LASIK: Fundamentals, Surgical Techniques, and Complications. New York, Marcel Dekker, Inc., 2002.

Koch DD, Wang L. Astigmatism Management During Cataract Surgery. In Buratto L, Werner L, Zanini M, Apple D (eds.) Phacoemulsification: Principles and Techniques. New Jersey, Slack, Inc. 2002.

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Lindstrom RL, Koch DD, Osher RH, Wang L. Control of Astigmatism in the Cataract Patient. In Steinert RF, Fine IH, Gimbel HV, Koch DD, Lindstrom RL, Neuhann TF, Osher RH (eds.) Cataract Surgery. Technique, Complications, Management. Philadelphia, Elsevier Science, 2004.

Koch DD, Wang L, Noval KD. Wound Dehiscence Following Cataract Surgery. In Steinert RF, Fine IH, Gimbel HV, Koch DD, Lindstrom RL, Neuhann TF, Osher RH (eds.) Cataract Surgery. Technique, Complications, Management. Philadelphia, Elsevier Science, 2004.

Koch DD, Wang L, Booth M. Intraocular lens calculations after LASIK. In Probst LE (ed.) LASIK. Advances, Controversies, and Custom. New Jersey, Slack, Inc. 2004.

Koch DD, Wang L. Preoperative Considerations: Corneal Topography. In Foster CS, Azar DT, Dohlman CH (eds.) The Cornea. Scientific Foundations & Clinical Practice. Pennsylvania, Lippincott Williams & Wilkins 2004.

Wang L, Koch DD. The concept of wavefront-guided corneal surgery. In Kohnen T and Koch DD (eds.) Cataract and Refractive Surgery. Volume of Krieglstein GK and Weinreb RN (eds.): Essentials in Ophthalmology. Springer-Verlag, Heidelberg, 2004

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Fang JP, Hill W, **Wang L**, Chang V, Koch DD. Advanced Intraocular Lens Power Calculations. In Kohnen T and Koch DD (eds.) Cataract and Refractive Surgery. Volume of Krieglstein GK and Weinreb RN (eds.): Essentials in Ophthalmology. Springer-Verlag, Heidelberg, 2005

Koch DD, Wang L. Surgical management of astigmatism. In Davis EA, Hardten DR, and Lindstrom RL (eds.) *Presbyopic Lens Surgery: A Clinical Guide to Current Technology*. Slack Inc, 2007

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Herz NL, Wang L, Koch DD. Tracking and registration. In Brightbill FS, McDonnell PJ, McGhee CN, Farjo AA, and Serdarevic ON (eds.) Corneal surgery, theory, technique and tissue. Fourth Edition. Mosby, Elsevier, 2009

Teaching Information:

- A. Primary resident instructor in cataract, intraocular lens, and refractive surgery
 - 1. Numerous lectures given annually on techniques of cataract surgery, intraocular lenses, complications, and refractive surgery
 - 2. Annual Course Director for Phacoemulsification and Small-Incision IOLs: Lecture and Laboratory Course, 1989-2003.

Curriculum Vitae

Douglas D. Koch, M.D

- B. Medical students
 - 1. Provide elective rotation for medical students in anterior segment surgery
- C. Curriculum development work
 - 1. Co-developer of two-tiered curriculum for resident lecture series
- D. Non-didactic teaching
 - 1. Resident training
 - a. Four hours staffing surgery and clinics at Houston Veterans Administration Hospital each week
 - b. Third-year (PGY4) rotates on service two days per week
 - c. Clinical fellow training

John A. Sutphin (1/83-7/83)
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William J. Knauer, III (7/83-12/83)
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David W. Jackson, M.D. (7/01-7/02)
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Thomas M. Harvey, M.D. (7/04-7/05)
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Greg Nettune, M.D. (7/11 – 7/12)
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c. Research fellow training

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Hamdi Er (9/93 - 8/94)
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Roberto Pena-Cuesta (8/94-8/95)
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Thomas Kohlen (2/95-2/97)
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Li Wang, M.D., Ph.D. (11/99-11/02)
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Curriculum Vitae

Douglas D. Koch, M.D

Medical and Service Information:

- A. Patient care responsibilities
 - 1. Active clinical practice in anterior segment disorders, including cataract and intraocular lens, corneal, and refractive surgery.

- B. Administrative assignments
 - 1. Department administration
 - a. Chief Executive Officer, Baylor Eye Care Alliance 1997 – 2006
 - b. Director, The Cullen Course 1997 - 2009
 - c. Director, Phacoemulsification Course 1989 - 2004
 - d. Baylor Eye Consultants Executive Committee 1996 - Present
 - e. Chariman, Promotions Committee 2000 - 2009
 - f. Director, Residency Training Program 1992 - 1996
 - g. Chairman, Residency Admissions Committee 1992 - 1996
 - h. Co-Director, Baylor/Welsh Cataract and Refractive Surgical Congress. 1984 – 1996
 - i. Chairman, Committee on Latin American Relations 1989 - 1992
 - j. Chairman, Committee on Interactions with Voluntary Clinical Faculty 1990 - 1995
 - k. Library Committee 1985 - 1994
 - l. Director, Annual Baylor Ophthalmology Alumni Association Meeting 1985 - 1991

Curriculum Vitae

Douglas D. Koch, M.D

2. College administration committees
 - a. Faculty Appointments and Promotions Committee 1998 - 2010
 - b. Baylor MedCare Marketing/ Management Steering Committee 1996 – 1999
 - c. Satellite Healthcare Network Faculty Advisory Committee 1997 - 1999
 - d. Committee on Continuing Education 1996 – 1997
 - e. International Activities Committee 1990 – 1991
1996 – 1997
 - f. Transitional Residency Subcommittee 1992 – 1996
 - g. Graduate Medical Education Committee 1992 - 1994
 - h. Committee to Review Departments of Family Practice and Community Medicine 1994 - 1995
 - i. Governing Board of Faculty Group Practice 2009 – Present
 - j. Executive Committee, Governing Board of Faculty Group 2009 - Present
3. The Methodist Hospital committees
 - a. Medical Director, Ophthalmology Operating Rooms 2001 - 2009
 - b. Deputy Chief of Ophthalmology Service 2001 - 2007
 - c. Grievance Panel 2002 - 2003
 - d. Head/Neck/Integumentary Subcommittee of the Medical Staff Quality Management Committee 2002 - 2004
 - e. Committee on Utilization of Operating Rooms 1993 - 2000

Curriculum Vitae

Douglas D. Koch, M.D

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|----|--|----------------------------|
| f. | Practice Pattern Committee | 1996 - 2000 |
| g. | Chairman, Institutional Review Board
Member, Institutional Review Board | 1990 - 1994
1982 - 1990 |
| h. | Ophthalmology Patient Care Committee | 1993 - 1995 |
| i. | Patient Care Task Force | 1989 - 1995 |
| j. | Laser and Radioisotope Committee | 1990 - 1991 |
| k. | Quality Assurance Committee | 1987 - 1990 |
| l. | Ophthalmology Out-patient Surgical
Task Force | 1982 - 1985 |