

George O. Waring IV, MD



**Cornea, Cataract, Lens and Refractive Surgeon
Diplomate of the American Board of Ophthalmology
Charleston, SC USA**

George O. Waring IV, MD is an Assistant Professor of Ophthalmology, the Director of Refractive Surgery at Medical University of South Carolina (MUSC), Storm Eye Institute and serves as the Medical Director at Magill Vision Center. Dr. Waring also serves as Adjunct Assistant Professor of Bioengineering at the College of Engineering and Science at Clemson University. Prior to joining faculty at MUSC, Dr. Waring specialized in corneal refractive, cataract and intraocular lens surgery in private practice Ohio. He has served as Clinical Assistant Professor of Ophthalmology at the Emory University School of Medicine, and a Staff Ophthalmologist at the Veteran's Affairs Medical Center in Atlanta, GA. Dr. Waring IV is a diplomate of the American Board of Ophthalmology. He has served as the World Surgical Monitor for AcuFocus, Inc., and teaches ophthalmic surgeons worldwide advanced techniques in the surgical correction of presbyopia. Dr. Waring IV is a founding member of the American College of Ophthalmic Surgeons and was selected as one of 10 founding members of the prestigious Vanguard Ophthalmology society to recognize future leaders in Ophthalmology. He is a founding member of the Cornea, External Disease and Refractive Surgery Society, is a fellow of the American Academy of Ophthalmology and is an associate fellow of the American College of Surgeons. Other professional memberships include the International Society of Refractive Surgery, the American Society of Cataract and Refractive Surgery, the European Society of Cataract and Refractive Surgery, the Association for Research in Vision and Ophthalmology, and the Cornea Society. Dr. Waring IV serves on the Program Committee for the International Society of Refractive Surgery and is the Course Director for the annual American Academy of Ophthalmology Laser Refractive Surgery Course.

Dr. Waring IV is active in clinical research, and has served as Medical Director of Ophthalmology at the St. Joseph's Translational Research Institute in Atlanta, GA. He has performed surgery, taught new surgical procedures and delivered invited lectures on four continents. He has over 100 scientific publications, abstracts and presentations to his credit, including fifteen peer reviewed manuscripts and over half a dozen book chapters on corneal, refractive and lens surgery. Dr. Waring IV has received numerous awards and distinctions for excellence in ophthalmic research. He is a Faculty Member of

“Faculty of 1000”, a global peer review process for the literature in refractive surgery. He is also a regular reviewer for multiple peer reviewed journals including the American Journal of Ophthalmology, the Journal of Refractive Surgery, the Journal of Cataract and Refractive Surgery and Cornea. He serves on the Editorial Board of Cataract and Refractive Surgery Today, and is Section Editor for the columns “Focus on Refractive Surgery” in Ophthalmology Times and “Technology Watch” in Advanced Ocular Care. He also serves as Senior Editor for the Refractive Surgery section of Pearls in Ophthalmology. Dr. Waring also serves on multiple scientific advisory panels, aiding in the development of new technologies.

Dr. Waring IV completed a dual degree in Economics and Ecology at Emory University in Atlanta, GA, followed by his Doctor of Medicine at the Emory University School of Medicine. Dr. Waring IV served as Administrative Chief Resident of Ophthalmology at the State University of New York (SUNY), where he was the first resident to be named Resident Physician of the Year by the faculty two years in a row. Chairmen and Program Directors throughout the University elected Dr. Waring IV as Resident Chairman of Graduate Medical Education to represent over 900 residents, and he received the distinguished Award for Outstanding Service to SUNY Downstate Medical Center. He completed his sub-specialty fellowship training in Cornea and Refractive Surgery under the world-renowned mentorship of Daniel S. Durrie, MD in Overland Park, KS.

George O. Waring IV, MD

waringg@musc.edu

www.georgewaringiv.com

843-792-8100

Professional Address

[MUSC Storm Eye Institute](#)

167 Ashley Avenue
MSC 676
Charleston, SC 29425-6760

[Magill Vision Center](#)

735 Johnnie Dodds Blvd.
Mt. Pleasant, SC 29464

Employment, Affiliations & Academic Appointments

Adjunct Assistant Professor Department of Bioengineering College of Engineering and Science Clemson University Clemson, SC	September 2012-present
Assistant Professor Medical University of South Carolina Department of Ophthalmology Charleston, SC	January 2012-present
Director of Refractive Surgery Storm Eye Institute Charleston, SC	January 2012-present
Medical Director Magill Vision Center Mt. Pleasant, SC	January 2012-present
Cornea, Cataract, Lens and Refractive Surgeon Private Practice Columbus, OH	January 2011-December 2011
Medical Director Division of Ophthalmology St. Joseph's Translational Research Institute Atlanta, GA	December 2010-March 2012
Staff Ophthalmologist Veterans Affairs Medical Center Department of Ophthalmology Atlanta, GA	February 2010-December 2010

	Clinical Assistant Professor Emory University School of Medicine Department of Ophthalmology Atlanta, GA	March 2009-December 2010
<i>Appointments & Privileges</i>	Medical Staff Medical University of South Carolina Charleston, SC	February 2012-present
	Medical University of South Carolina Storm Eye Institute Ambulatory Procedure Center Mt. Pleasant, SC	February 2012-present
	Medical University of South Carolina Storm Eye Institute Rutledge Tower Ambulatory Surgery Center Charleston, SC	February 2012-present
	Medical Staff Department of Ophthalmology Mt. Carmel St. Ann's Hospital Columbus, OH	May 20, 2011-December 1, 2011
	Riverside Outpatient Surgery Center Ohio Health Columbus, OH	July 26, 2011-December 1, 2011
	Diplomate of the American Board of Ophthalmology	December 7, 2009
<i>State Medical Licensures</i>	South Carolina Medical License	February 21, 2012 - current
	Ohio State Medical License	September 17, 2010 – current
	Georgia State Medical License	October 2, 2008 - current
	Kansas State Medical License	June 9, 2007 – September 2012
	California State Medical License	April 17, 2009 – current
	New York State Medical License	exempt
<i>Education and Post Doctoral Training</i>	Visiting Fellowship in STAAR Visian Phakic intraocular lens implantation and advanced phacoemulsification. Centro Laser/Elias Santana Hospital Santa Domingo, Dominican Republic Mentor: Juan Batlle, MD	October 2008

<p>Fellowship in Cornea, Lens and Refractive Surgery Durrie Vision Department of Ophthalmology University of Kansas Medical Center Overland Park, KS Mentor: Daniel Durrie, MD Mentor: Jason Stahl, MD Mentor: John Sutphin, MD</p>	<p>July 2007-June 2008</p>
<p>Administrative Chief Resident State University of New York Downstate Medical Center Department of Ophthalmology Brooklyn, NY</p>	<p>July 2006-June 2007</p>
<p>Residency in Ophthalmology State University of New York Downstate Medical Center Department of Ophthalmology Brooklyn, NY</p>	<p>July 2004-June 2007</p>
<p>Internship in Preliminary Medicine University of Vermont College of Medicine Department of Internal Medicine Burlington, VT</p>	<p>July 2003-June 2004</p>
<p>Doctor of Medicine Emory University School of Medicine Atlanta, GA</p>	<p>August 1999-May 2003</p>
<p>Research Elective in Ocular Pathology Department of Ophthalmology, Division of Ocular Pathology Emory University School of Medicine Atlanta, GA Mentor: Hans E. Grossniklaus, MD</p>	<p>July 2002</p>
<p>Research Elective in Ocular Pathology Department of Ophthalmology, Division of Ocular Pathology University Southern California School of Medicine Los Angeles, CA Mentor: Narsing A. Rao, MD</p>	<p>August 2002</p>
<p>Pre-Medical Studies Georgia State University Atlanta, GA</p>	<p>March 1996-June 1999</p>
<p>Research Elective Behavior of Oxytocin Null Mutant Mice Yerkes Regional Primate Research Center Emory University School of Medicine Atlanta, GA</p>	<p>July-August 1999</p>

	Bachelors of Arts (Co-Major) Human and Natural Ecology Emory University Atlanta, GA	August 1993-June 1994
	Bachelors of Arts Economics Emory University Atlanta, GA	August 1989-May 1993
Professional Affiliations	Associate Fellow of the American College of Surgeons	October 10, 2012-present
	Faculty of 1000 Refractive Errors and Refractive Surgery Section Faculty Member <i>Selected by global committee for post peer review process to identify and review the most important peer reviewed articles in the ophthalmic literature.</i>	May 22, 2012-present
	Cataract External Disease and Refractive Surgery Society Founding Member	November 1, 2011-present
	The Ohio State Medical Association	October 15, 2011-present
	The Columbus Medical Association	September 29, 2011-present
	The American College of Ophthalmic Surgeons Founding Member <i>Selected by Executive Committee to represent leading Ophthalmologists and innovator of healthcare technologies.</i>	February 28, 2011-present
	Faculty of 1000 Refractive Errors and Refractive Surgery Section Associate Faculty Member	November 22, 2010-May 21, 2012
	The American Academy of Ophthalmology Fellow	2011-present
	The Vanguard Ophthalmology Society Founding Member <i>One of 10 founding members selected by current opinion leaders to represent the future of ophthalmology</i>	September 1, 2009-present
	The European Society of Cataract and Refractive Surgery	2009-present
	The International Society of Refractive Surgery	2009-present
	The Cornea Society Candidate Member	2007-present
	The American Society of Cataract and Refractive Surgery	2006-present

	The American Medical Association	2006-present
	The American Academy of Ophthalmology	2005-present
	The Association for Research in Ophthalmology	2003-present
Awards, Honors & Recognitions	KAMRA Worldwide Visionary Award	October 1, 2012
	ACE Vision Group Innovators Award	September 12, 2012
	Best Paper of Session-Intraocular Surgery: Multifocal IOLs “Controlled Prospective Comparison of Computer-Based Primary Visual Cortex Training after Aspheric Monofocal, Multifocal, and Accommodating IOL Implantation.” American Society of Cataract and Refractive Surgery Symposium; San Diego, CA.	March 29, 2011
	Outstanding Service to SUNY Downstate Award The Residents and Fellows Alumni Society, State University of New York Downstate Medical Center <i>Elected by chairmen and program directors of all departments.</i>	May 10, 2007
	Resident Representative for American Academy of Ophthalmology Mid-Year Forum Resident Representative for New York State Ophthalmology Mid Year Forum Washington, DC	April 18-21, 2007
	Physician of the Year, Department of Ophthalmology Kings County Hospital Center Brooklyn, NY	March 30, 2007
	Physician of the Year, Department of Ophthalmology Kings County Hospital Center.* Brooklyn, NY <i>*Only resident in history of program to receive this award 2 consecutive years.</i>	March 30, 2006
	Rabb-Venable Award in Ophthalmic Research Second Place National Medical Association Annual Convention Dallas, TX	August 6, 2006
	Faculty Scholar Georgia State University (4.0 GPA, 4 quarters) Atlanta, GA	1996-1997
	Dean’s List Emory University (>3.5 GPA, 2 semesters) Georgia State University (>3.5 GPA 7 quarters) Atlanta, GA	1993-1994 1996-1997

International Golden Key Honor Society 1996-1997

**Committee
Service**

Program Committee September 2012-present
International Society of Refractive Surgery

Membership Committee March 2011-present
Vanguard Ophthalmology Society

Chairman, Graduate Medical Education July 2006-June 2007
Resident Subcommittee
State University of New York Downstate Medical Center
Brooklyn, NY
Represented over 900 resident physicians in all specialties.

Chairman, Resident Affairs Committee January - June 2007
Department of Ophthalmology
State University of New York Downstate Medical Center
Brooklyn, NY

Citations Committee, Graduate Medical Education June 2005-June 2007
State University of New York Downstate Medical Center
Brooklyn, NY

Resident Subcommittee, Graduate Medical Education August 2004-May 2006
State University of New York Downstate Medical Center
Brooklyn, NY

Internal Review Subcommittee, Graduate Medical Education September 2004-June 2007
Internal Medicine, Rheumatology, Pediatrics, Urology.
State University of New York Downstate Medical Center
Brooklyn, NY

Wilderness Medical Society: Founder, President 1999-2000
Emory University School of Medicine
Atlanta, GA

Physicians for Social Responsibility: President 1999-2000
Emory University School of Medicine
Atlanta, GA

**Peer Reviewed
Publications**

15. **Waring IV GO**, Berry D. Advances in the Surgical Correction of Presbyopia. Intl Ophthalmol Clin. Accepted for publication Oct 2, 2012.

14. Tomita M, **Waring IV GO**, Kanamori T. Effect of femtosecond laser lamellar flaps creation on corneal endothelium: a comparison of two lasers. J Clin Ophthal. Accepted Aug 6, 2012.

13. Tomita M, Kanamori T, **Waring IV GO**, Yukawa S, Yamamoto T,

- Sekiya K, Tsuru T. KAMRA corneal inlay implantation combined with simultaneous LASIK for the treatment of presbyopia in patients with hyperopia, myopia and emmetropia: 6-months results. *J Cat and Refract Surg.* 2012 Mar;38(3);495-506.
12. Tomita M, Watabe M, Nakamura T, Tsuru T, **Waring IV GO**. Management and outcomes of suction loss during Femtosecond LASIK. *J Refract Surg.* 2012 Jan;28(1);32-36.
11. **Waring GO 4th**. Correction of Presbyopia with the KAMRA Intracorneal Inlay. *J Refract Surg.* 2011 Nov;27(11):842-5.
10. **Waring GO 4th**, Klyce SD. Corneal Inlays for the treatment of Presbyopia. *Int Ophthalmol Clin.* 2011 Spring;51(2):51-62.
9. Tomita M, Watabe M, **Waring IV GO**, Durrie DS. Evaluation of the corneal endothelial cell density after myopic intra-LASIK and the effect of AC gas bubbles to the corneal endothelium. *Eur J Ophthalmol.* 2010 Nov 29.
8. **Waring IV GO**. Working Successfully with Thin Flap Femtosecond LASIK Flaps. *Techniques in Ophthalmology.* Dec 2009; 7:4:155-157.
7. Durrie DS, Smith RT, **Waring IV GO**, Stahl JE, Schwendeman FJ. Comparing Conventional and Wavefront-Optimized LASIK for the Treatment of Hyperopia. *J Refract Surg.,* May 2010 ;26:5:356-363.
6. Smith RT, **Waring IV GO**, Durrie DS, Stahl JE, Thomas P. A Contralateral Eye Study Comparing Endothelial Cell Density after Sub-Bowman's Keratomileusis and Photorefractive Keratectomy for the Treatment of Myopia. *J Refract Surg.,* Dec 2009; 25:12:1098-1102.
5. **Waring IV GO**, Durrie DS. Emerging Trends for Procedure Selection in Contemporary Refractive Surgery: Consecutive Review of 200 Cases from a Single Center. *J Refract Surg.,* Apr 2008; 24:4:419-423.
4. Liu M, **Waring IV GO**, Ehrenhaus M, Lazzaro D. Post-LASIK Ectasia, its Treatment With Ferrara Ring Segments and Their Subsequent Extrusion. *Eye and Contact Lens,* Jul 2008; 34:4:234-237.
3. Lazzaro DR, **Waring IV GO**, Liu M. Idiopathic Superior Keratectasia with Spontaneous Perforation Treated with Amniotic Membrane Transplantation. *Eye and Contact Lens,* Jul 2008; 34:4:242-243.
2. Usui Y, **Waring GO**, See RF, Marrone AC, Rao NA. Bilateral Ocular Surface Squamous Neoplasia, A Clinicopathological Case Report. *Br J Ophthalmol.,* Apr 2004;88:595-596.
1. Grossniklaus HE, **Waring IV GO**, Akor C, Castellano-Sanchez AA, Bennett K. Evaluation of hematoxylin and eosin and special stains for the detection of acanthamoeba keratitis in penetrating keratoplasties. *Am J Ophthalmol* 2003; 136:3:520-526.

37. **Waring IV GO**, Stulting RD, Roy P, Fant BS. Iontophoretic delivery of riboflavin and future applications with corneal collagen crosslinking (free paper). American Society of Cataract and Refractive Surgery Symposium. San Francisco, CA, April 22, 2013.
36. **Waring IV GO**, Brooker E, Vilupuru A. Contralateral Comparison of Effect of Small-Aperture Corneal Inlay on Automated Visual Fields (e-poster). American Society of Cataract and Refractive Surgery Symposium. San Francisco, CA, April 19-23, 2013.
35. Richter E, **Waring IV GO**. Biomechanical Property Changes in Keratoconic Eyes After Collagen Crosslinking Using ORA Software (free paper). American Society of Cataract and Refractive Surgery Symposium. San Francisco, CA, April 22, 2013.
34. **Waring IV GO**, Stulting RD, Roy P, Fant BS. Iontophoretic delivery of riboflavin and future applications with corneal collagen crosslinking (free paper). XXX European Society of Cataract and Refractive Surgery Symposium; Milan, Italy; September 9, 2012.
33. Yan C, Xu D, BS, Rocha KM, **Waring IV GO**, Dupps WJ. Comparison of Stromal and Total Corneal Volume in Keratoconus and Normal Eyes using Optical Coherence Tomography. Association for Research in Vision and Ophthalmology; May 6-10, 2012; Ft. Lauderdale, FL.
32. Rocha KM, Xu D, Yan C, **Waring IV GO**, Dupps WJ. Three Dimensional Spectral Domain OCT Analysis of Corneal Architecture and Epithelial Thickness Profile in Corneal Collagen Crosslinking. Association for Research in Vision and Ophthalmology; May 6-10, 2012; Ft. Lauderdale, FL.
31. Brooker E, **Waring IV GO**, Vilupuru A. Effect of Small Aperture Intra-corneal Inlay on Visual Fields. Association for Research in Vision and Ophthalmology; May 6-10, 2012; Ft. Lauderdale, FL.
30. **Waring IV GO**, Stulting RD, Roy P, Fant BS. Iontophoretic Delivery of Riboflavin and Future Applications With Corneal CXL With UV-A for Keratoconus Treatment (Free paper). American Society of Cataract and Refractive Surgery Symposium; April 24, 2012; Chicago, IL.
29. **Waring IV GO**, Lo A, Vilupuru A. Changes in Primary Purkinje Image Position After Creation of Corneal Lamellar Flap in LASIK (e-poster). American Society of Cataract and Refractive Surgery Symposium; April 20-24, 2012, Chicago, IL.
28. Rocha KM, Roy AS, **Waring IV GO**, Dupps WJ. Comparison of Multiple Scheimpflug-Based Corneal Power Measures Before and After Collagen Crosslinking for Keratoconus (free paper). American Society of Cataract and Refractive Surgery; April 20-24, 2012; Chicago, IL.
27. **Waring IV GO**, Stulting RD, Fant BS. Ocular iontophoresis - a novel riboflavin delivery system during corneal collagen crosslinking for the treatment of keratoectasia. (free paper), American Society of Cataract and Refractive Surgery Symposium; April 24, 2011, Chicago, IL.
26. **Waring IV GO**. Changes in primary purkinje image position after creation of a corneal lamellar flap in laser in situ keratomileusis. (E-poster) American Society of Cataract and Refractive Surgery. April 20-24 2011, Chicago, IL

25. Rocha KM, Roy AS, **Waring IV GO**, Dupps WJ. Comparison of Multiple Scheimpflug-Based Corneal Power Measures Before and After Collagen Crosslinking for Keratoconus. Pentacam (free paper) American Academy of Ophthalmology; October 21, 2011; Orlando, FL.
24. **Waring IV GO**, Stulting RD, Fant BS. Ocular iontophoresis - a novel riboflavin delivery system during corneal collagen crosslinking for the treatment of keratoectasia. Abstract #: 101364. International Society of Refractive Surgery Subspecialty Day, American Academy of Ophthalmology; October 21, 2011; Orlando, FL.
- 23 **Waring IV GO**, Stulting RD, Fant BS. Iontophoretic delivery of riboflavin as a cross-linking agent with UV-A in patients for the treatment of keratoconus. XXIX European Society of Cataract and Refractive Surgery Symposium; Vienna, Austria; September 19, 2011.
22. Stagni E, **Waring IV GO**, Stulting RD. Corneal collagen crosslinking with transepithelial ricrolin riboflavin and UVA system. XXIX European Society of Cataract and Refractive Surgery Symposium; Vienna, Austria; September 19, 2011.
21. Stulting RD, **Waring IV GO**, Fant B. Corneal collagen crosslinking with a new form of riboflavin and UVA. XXIX European Society of Cataract and Refractive Surgery Symposium; Vienna, Austria; September 19, 2011.
20. **Waring IV GO**. Changes in primary purkinje image position after creation of a corneal lamellar flap in laser in situ keratomileusis. (E-poster) XXIX European Society of Cataract and Refractive Surgery Symposium; Vienna, Austria; September 17-21, 2011.
19. **Waring IV GO**. Controlled Prospective Comparison of Computer-Based Primary Visual Cortex Training after Aspheric Monofocal, Multifocal, and Accommodating IOL Implantation. American Society of Cataract and Refractive Surgery Symposium; March 29, 2011; San Diego, CA.
18. **Waring IV GO**. Simultaneous LASIK and Small Aperture Corneal Inlay Implantation for Treatment of Myopia, Hyperopia, and Presbyopia. American Society of Cataract and Refractive Surgery Symposium; March 27, 2011; San Diego, CA.
17. **Waring IV GO**, Hunkeler JD, Lindstrom RL. Evaluation of Computer Based Cortical Vision Training after Monofocal, Multifocal and Accommodating IOL Implantation. International Society of Refractive Surgery Subspecialty Day, American Academy of Ophthalmology; October 16, 2010; Chicago, IL.
16. **Waring IV GO**, Hunkeler JD, Lindstrom RL. Evaluation of Computer-Based Primary Visual Cortex Training After Aspheric Monofocal, Multifocal, and Accommodating IOL Implantation. Association for Research in Vision and Ophthalmology; May 5, 2010; Ft. Lauderdale, FL.

15. **Waring IV GO**, Hunkeler JD, Lindstrom RL. Evaluation of Computer-Based Primary Visual Cortex Training After Aspheric Monofocal, Multifocal, and Accommodating IOL Implantation. (E-poster) Association for Research in Vision and Ophthalmology; May 1-5, 2010; Ft. Lauderdale, FL.
14. **Waring IV GO**, Durrie DS, Smith RT, Stahl JE. Comparing Conventional and Wavefront-Optimized LASIK for the Treatment of Hyperopia. Association for Research in Vision and Ophthalmology; May 3, 2009; Ft. Lauderdale, FL.
13. **Waring IV GO**, Hunkeler JD, Lindstrom RL. Evaluation of Computer-Based Primary Visual Cortex Training After Aspheric Monofocal, Multifocal, and Accommodating IOL Implantation. American Society of Cataract and Refractive Surgery Symposium; April 13, 2010; Boston, MA.
12. **Waring IV GO**. Immersive Biomedical Imaging Technique for Qualitative Confocal Analysis after AcuFocus Corneal Inlay Implantation. (Video Presentation) American Society of Cataract and Refractive Surgery Symposium; April 4, 2009; San Francisco, CA.
11. Smith RT, Durrie DS, **Waring IV GO**, Schwendeman FJ, Stahl JE. Comparing Endothelial Cell Density After Sub-Bowman Keratomileusis and PRK for the Treatment of Myopia. American Society of Cataract and Refractive Surgery Symposium; April 4, 2009; San Francisco, CA.
10. **Waring IV GO**, Durrie DS, Stahl JE, Sutphin Jr JE. Three-Dimensional Micorendoscopic Confocal Corneal Fly-Through Imaging Technique Following AcuFocus Corneal Inlay. (E-poster) International Refractive Surgery Subspecialty Day, American Academy of Ophthalmology; November 7-8, 2008; Atlanta, GA.
9. RS Smith, Durrie DS, **Waring IV GO**, Thomas P. Comparing Endothelial Cell Density after Sub-Bowman's Keratomileusis and Photorefractive Keratectomy for the Treatment of Myopia. (E-poster) International Refractive Surgery Subspecialty Day, American Academy of Ophthalmology; November 7-8, 2008; Atlanta, GA
8. Durrie DS, Stahl E, **Waring IV GO**. Computer-Based Primary Visual Cortex Training Combined With LASIK for Treatment of Low Myopia. (E-poster) International Refractive Surgery Subspecialty Day, American Academy of Ophthalmology; November 7-8, 2008; Atlanta, GA
7. **Waring IV GO**, Durrie DS, Stahl JE, Sutphin Jr JE. Four Dimensional Micorendoscopic Confocal Corneal Fly Through Video for Qualitative Analysis of the Cornea Following AcuFocus™ Corneal Inlay." Association for Research in Vision and Ophthalmology; April 28, 2008; Ft. Lauderdale, FL.
6. **Waring IV GO**, Durrie DS, Bishara MN, Stahl JE. Natural History of Epithelial Ingrowth After Lift Flap Enhancement Procedures for LASIK: Prospective Single-Center Evaluation. (E-poster) American Society of Cataract and Refractive Surgery Symposium; April 4-9, 2008; Chicago, IL.

5. **Waring IV GO**, Durrie DS, Bishara MN, Stahl JE. Use of Orbscan to Distinguish Ectasia After LASIK From Primary Clinical Keratoconus. American Society of Cataract and Refractive Surgery Symposium; April 5, 2008; Chicago, IL.
4. **Waring IV GO**, Durrie DS, Stahl JE. Comparing Hyperopic LASIK Outcomes with Conventional and Wavefront-Optimized Ablations. International Society of Refractive Surgery Subspecialty Day, American Academy of Ophthalmology; November 9, 2007; New Orleans, LA.
3. **Waring IV GO**, Cedeno-Richiez J, Patel M, Lazzaro DR, Shrier E. Paired Arteriovenous Crossing as a Risk Factor in Branch Retinal Vein Occlusion. Association for Research in Vision and Ophthalmology; May 4, 2006; Ft. Lauderdale, FL.
2. Cedeno-Ricaiez J, Shrier E, Lazzaro DR, **Waring IV GO**, Patel M. Retinal Vessel Segment Analysis Using TOPCPON IMAGEnet™. Association for Research in Vision and Ophthalmology; May 2, 2006; Ft. Lauderdale, FL.
1. **Waring IV GO**, Akor C, Castellano-Sanchez A, Grossniklaus HE. Hematoxylin and Eosin is Superior to Calcofluor White and Acridine Orange in Detecting Acanthamoeba Keratitis. Association for Research in Vision and Ophthalmology; May 8, 2003; Ft. Lauderdale, FL.

***Scientific Paper
Presentations &
Invited Lectures***

40. Waring IV GO. Corneal or Lens based Refractive Surgery? (Invited Lecture). International Society of Refractive Surgery Subspecialty Day, American Academy of Ophthalmology. Chicago, IL; November 10, 2012.
39. Waring IV GO. Small Aperture Inlays for the Surgical Correction of Presbyopia. (Invited Lecture) University of California Center for Adaptive Optics Annual Conference. Lake Arrowhead, CA; November 13, 2012.
38. Waring IV GO. Computer Based Cortical Vision Training after Corneal and Lens Based Refractive Surgery. (Keynote Lecture) University of California Center for Adaptive Optics Annual Conference. Lake Arrowhead, CA; November 11, 2012.
37. Waring IV GO. Are Corneal Inlays a Viable Technology? (Invited Lecture) American-European Congress of Ophthalmic Surgery. Deer Valley, UT; July 29 2012.
36. Waring IV GO. Iontophoresis for Rapid Transepithelial Delivery of Riboflavin? (Invited Lecture) Combined American-European Congress of Ophthalmic Surgery Surface Ablation, Femto-Lasers and Crosslinking Congress. Deer Valley, UT; July 29 2012.
35. Waring IV GO. FDA Trial Results – Corneal Collagen Crosslinking for the Treatment of Keratoectasia (Invited Lecture). American College of Ophthalmic Surgeons Dulaney Winter Meeting. Aspen, CO; February 29, 2012.
34. Waring IV GO. Visual Cortex Training after IOL Implantation (Invited Lecture). Wavefront Presbyopic Refractive Corrections Congress, San Diego, CA; February 26, 2012.

33. Waring IV GO. Are thin corneas at increased risk for development of post LASIK ectasia? (Invited Lecture). International Society of Refractive Surgery Symposium, Athens, Greece; December 17, 2011.
32. Waring IV GO. Corneal collagen crosslinking for the treatment of keratoconus and keratoectasia (Invited Lecture). East West Conference, Cleveland, OH; October 20, 2011.
31. Waring IV GO. Keratophakia for the Surgical Treatment of Presbyopia (Invited Lecture). East West Conference, Cleveland, OH; October 20, 2011.
30. Waring IV GO. Small Aperture Keratophakia for the Treatment of Presbyopia. (Invited Lecture). X International Congress on Surface Ablation, Femto-Lasers, and Cross-Linking. Deer Valley, UT; August 1, 2011.
29. Waring IV GO. Iontophoretic delivery of riboflavin in conjunction with Corneal Collagen Cross-linking. (Invited Lecture). X International Congress on Surface Ablation, Femto-Lasers, and Cross-Linking. Deer Valley, UT; August 1, 2011.
28. Waring IV GO. Corneal Inlays for the Treatment of Presbyopia (Invited Lecture). Tan Tock Tseng Hospital; Singapore, Malaysia; July 21, 2011
27. Waring IV GO. Neuroadaptation after Premium Intraocular Lens Implantation. (Invited Lecture). Alicante Refractive International Monographic; March 11, 2011; Alicante, Spain.
26. Waring IV GO. Clinical Outcomes of Small Aperture Corneal Inlay for the Treatment of Presbyopia. (Invited Lecture). Alicante Refractive International Monographic; March 11, 2011; Alicante, Spain.
25. Waring IV GO. Pinhole Synthetic Keratophakia for the Surgical Treatment of Presbyopia. (Invited Lecture) Aspen Invitational Refractive Symposium. February 28, 2011. Aspen, CO.
24. Waring IV GO. Corneal Collagen Crosslinking with Ricrolin riboflavin and Trans-epithelial Ricrolin Riboflavin-VEGA UVA system for the Treatment of Keratectasia. Wavefront and Presbyopic Refractive Corrections Congress. February 25, 2011; Vancouver, Canada.
23. Waring IV GO. Corneal Inlays for the Treatment of Presbyopia". Wavefront and Presbyopic Refractive Corrections Congress. February 25, 2011; Vancouver, Canada.
22. Waring IV GO. Corneal Collagen Crosslinking with Ricrolin Riboflavin and Trans-Epithelial Ricrolin Riboflavin-VEGA UVA System for the Treatment of Keratectasia. First Annual Vanguard Ophthalmology Society Meeting. February 5, 2011; West Palm Beach, Fl.
21. Waring IV GO. SMI AcuTarget for Centration of KAMRA Corneal Inlay. Winners In Near Eyesight Symposium, European Society of Cataract and Refractive Surger; September 6, 2010; Paris, France.

20. Waring IV GO. Computer Based Cortical Vision Training and Refractive Surgery (Invited Lecture). XV Annual Refractive Surgery Symposium, Optometric Refractive Surgery Society; August 6, 2010; Akron, OH.
19. Waring IV GO. New Frontiers in Corneal Collagen Cross-linking. (Invited Lecture) XV Annual Refractive Surgery Symposium, Optometric Refractive Surgery Society; August 6, 2010; Akron, OH.
18. Waring IV GO. Enhancement after Premium Intraocular Lenses. (Invited Lecture). World Ophthalmology Congress, XXXII International Congress of Ophthalmology; June 9, 2010; Berlin, Germany.
17. Waring IV GO. Outcomes, Limits and Future Applications of the IntraLase Femtosecond Laser. (Invited Lecture) World Ophthalmology Congress, XXXII International Congress of Ophthalmology; June 8, 2010; Berlin, Germany.
16. Waring IV GO. Improvement and Future Applications of Excimer Laser Treatments” (Invited Lecture) World Ophthalmology Congress, XXXII International Congress of Ophthalmology; June 8, 2010; Berlin, Germany.
15. Waring IV GO. Visual Cortex Training and Refractive Surgery. (Invited Lecture) Neuroscience Study Group Submeeting. XI International Congress of Cataract and Refractive Surgery; May 19, 2010; Natal, Brazil.
14. Waring IV GO. Randomized Prospective Contralateral Comparison of IntraLase and Ziemer LDV Femtosecond Lasers. (Invited Lecture). XI International Congress of Cataract and Refractive Surgery; May 22, 2010; Natal, Brazil.
13. Waring IV GO. NeuroLASIK- Can Surgeons Improve LASIK Outcomes with Visual Cortex Training. (Invited Lecture). XI International Congress of Cataract and Refractive Surgery; May 19, 2010; Natal, Brazil.
12. Waring IV GO. Visual Cortex Training after LASIK and IOL Implantation. (Invited Lecture). IX International Congress on Surface Ablation, Femto Lasers and Cross-linking Congress; May 1, 2010; Ft. Lauderdale, FL.
11. Waring IV GO. KAMRA Corneal Inlay for the Treatment of Presbyopia – Clinical and Surgical Summary. Vanguard Ophthalmology Society Biennial Meeting; April 11, 2010; Boston, MA.
10. Waring IV GO. KAMRA Inlay Surgical Technique (Invited Lecture). First Annual Focus on Presbyopia Symposium; February 7, 2010; Tokyo, Japan.
9. Waring IV GO. Randomized Prospective Contralateral Comparison of IntraLase and Ziemer LDV Femtosecond Lasers. (Invited Lecture). 8th International Surface Ablation and SBK Congress; May 2, 2009; Ft. Lauderdale, FL.
8. Waring IV GO. NeuroLASIK- Can Surgeons Improve LASIK Outcomes with Visual Cortex Training? (Invited Lecture). 8th International Surface Ablation and SBK Congress; May 2, 2009; Ft. Lauderdale, FL.

7. Waring IV GO. New Frontiers in Sub-Bowman's Keratomileusis: Comparison of Femtosecond Lasers and NeuroLASIK. (Invited Lecture). Advances in Refractive Surgery; Federal University of Sao Paulo UNIFESP; January 22, 2009; Sao Paulo, Brazil.
6. Waring IV GO. Sub-Bowman's Keratomileusis. (Invited Lecture). Current Concepts in Ophthalmology, State University of New York Downstate Medical Center, Department of Ophthalmology; January 10, 2009; Caesars Atlantic City, NJ.
5. Waring IV GO. Comparing Femtosecond LASIK Flaps: Findings and Clinical Results. (Invited Lecture). 7th International Surface Ablation and SBK Congress; April 26, 2008; Ft. Lauderdale, FL.
4. Waring IV GO. NeuroLASIK- Can We Improve LASIK Outcomes with Visual Cortex Training? (Invited Lecture). 7th International Surface Ablation and SBK Congress; April 26, 2008; Ft. Lauderdale, FL.
3. Waring IV GO, Durrie DS, Stahl JE, Schwendeman FJ. Comparing Spherical Aberration after Conventional and Wavefront-optimized LASIK for the Treatment of Hyperopia. Wavefront Congress; February 17, 2008; San Francisco, CA. (Travel Grant provided by Alcon).
2. Waring IV GO, Stahl JE. Phakic and presbyopia correcting IOL's. Midwest Academic Refractive Consortium; August 18, 2007; Oklahoma City, OK.
1. Waring IV GO, Cedeno-Richiez J, Patel M, Lazzaro DR, Shrier E. Are paired arteriovenous crossings a risk factor in branch retinal venous occlusions? National Medical Association Ophthalmology Section, Rabb-Venable National Research Finalist Competition (second place); August 6, 2006. Dallas, TX.

Books

Waring III GO, **Waring IV GO**. LASIK and Other Vision Correction Surgery for Dummies. Wiley Publishing, Apr 2008; 1-68.

Book Chapters

9. Stulting RD, **Waring IV GO**, Santiago M, De Castro L,. Patient Selection in Corneal Collagen Crosslinking; Corneal Collagen Crosslinking 1st ed., Randleman and Farhad. Slack Publishing. *In Press*
8. **Waring IV GO**. IOL Power Calculations in Standard and Complex Cases. World Clinics in Ophthalmology – Recent Trends in Cataract Surgery. Chapter 3, pp 31-59. *In Press*.
7. Bielory BP, **Waring IV GO**, Awdeh RM. Femtosecond Laser Applications in Anterior Segment Surgery - Wound Creation; Cornea 1st ed., Copeland and Ashfari. Jaypee Publishing. Section 19; Chapter 98. *In Press*.
6. **Waring IV GO**, Klyce SD. Intrastromal Implants for the Treatment of Presbyopia. Cornea 1st ed., Copeland and Ashfari. Jaypee Publishing. Section 18, Chapter 89. *In Press*.

5. Klyce SD, **Waring IV GO**, Espana EM. Preoperative Considerations: Corneal Topography; Cornea 1st ed., Copeland and Ashfari. Jaypee Publishing. Section 18, Chapter 83. *In Press*.
4. **Waring IV GO**, Bates CA, Stahl JE. Conductive Keratoplasty; Cornea 1st ed., Copeland and Ashfari. Jaypee Publishing. Section 18, Chapter 85. *In Press*.
3. **Waring IV GO**, Stahl, JE. Prognostic Predictors for Premium Intraocular Lens Implantation; An Introduction & Step By Step Guide to Premium Cataract Surgery. 1st ed., Hovanesian. Slack Publishing. Chapter 3; pp 15-22.
2. **Waring IV GO**, Waring III GO. Decision Making in Refractive Surgery; Cornea, 3rd ed., Krachmer, Mannis & Holland. Elsevier Publishing. Chapter 158.
1. **Waring IV GO**, Stahl JE, Boxer Wachler B, Trattler WB. Intacs for the Treatment of Keratoconus, in Keratoconus and Keratoectasia; New Modalities of Diagnosis, Prevention and Treatment, Wang. Slack Publishing. Chapter 6, pp 161-167.

***Clinical
Research
Protocols***

Principle Investigator. Corneal Collagen Crosslinking with Ricrolin Riboflavin and Ricrolin Riboflavin-VEGA UVA System for the Treatment of Keratoconus. ReVision Advanced Eye Laser Center. February 1, 2011. Protocol CXL 001.

Principle Investigator. Corneal Collagen Crosslinking with Ricrolin Riboflavin and Ricrolin Riboflavin-VEGA UVA System for the Treatment of Post LASIK Ectasia. ReVision Advanced Eye Laser Center. February 1, 2011. Protocol CXL 002.

Principle Investigator. Extension Study on Long Term Safety and Efficacy of Corneal Collagen Crosslinking with Ricrolin Riboflavin and Ricrolin Riboflavin-VEGA UVA System for the Treatment of Post LASIK Ectasia. ReVision Advanced Eye Laser Center. February 1, 2011. Protocol CXL 003.

Co-Investigator. The Natural History of Epithelial Ingrowth Following Lift Flap Enhancement Procedures for Sub Bowman's Keratomileusis: A Prospective Single Center Evaluation. Durrie Vision. August 27, 2007 Protocol EILF-01.

Investigator. A Prospective Single Center Evaluation of Clinical Outcomes of Advanced IntraLase Assisted Wavefront Optimized LASIK Performed by Ophthalmology Fellows and Residents. University of Kansas Medical Center, Department of Ophthalmology. August 25, 2007 Protocol DVKU1 .

Co-Investigator. Intacs Insertion with the Femtosecond Laser for the Management of Keratoconus. University of Kansas Medical Center, Department of Ophthalmology. November 26, 2007 Protocol IIFSKC-01.

Editorial

Cataract and Refractive Surgery Today

April 2012-present

Activity	<p>Editorial Board</p> <p>Advanced Ocular Care Section Editor Technology Watch</p> <p>Ophthalmology Times Section Editor Focus on Refractive Surgery</p> <p><u>Pearls in Ophthalmology</u> Senior Editor Refractive Surgery Section</p>	<p>June 2011-present</p> <p>May 2009-present</p> <p>September 2008-present</p>
Peer Reviewed Journal Referee	<p>Journal of Ocular Pharmacology and Therapeutics</p> <p>American Journal of Ophthalmology</p> <p>Cornea</p> <p>Journal of Cataract and Refractive Surgery</p> <p>Journal of Refractive Surgery</p>	<p>2012-present</p> <p>2012-present</p> <p>2011-present</p> <p>2011-present</p> <p>2007-present</p>
Course Director	<p>9. Understanding Small Aperture Corneal Implant Technology: From Indications to Outcomes. American Academy of Ophthalmology. Chicago, IL. Scheduled November 11, 2012.</p> <p>8. Laser Refractive Surgery Skills Transfer Course. American Academy of Ophthalmology. Chicago, IL. Scheduled November 11, 2012.</p> <p>7. Laser Refractive Surgery for Ophthalmology Residents Skills Transfer Course. American Academy of Ophthalmology. Chicago, IL. Scheduled November 11, 2012.</p> <p>6. Understanding Small Aperture Corneal Implant Technology for the Surgical Management of Presbyopia: Indications to Outcomes. American Society of Cataract and Refractive Surgery. Chicago, IL. Scheduled April 23, 2012.</p> <p>5. Laser Refractive Surgery Skills Transfer Course. American Academy of Ophthalmology. Orlando, FL. October 23, 2011.</p> <p>4. Laser Refractive Surgery for Ophthalmology Residents Skills Transfer Course. American Academy of Ophthalmology. Orlando, FL. October 23, 2011.</p> <p>3. Understanding Small Aperture Corneal Implant Technology – From Indications to Outcomes. American Academy of Ophthalmology. Orlando, FL. October 25, 2011.</p>	

2. Laser Refractive Surgery Skills Transfer Course. American Academy of Ophthalmology. Chicago, IL. October 19, 2011.

1. Laser Refractive Surgery for Ophthalmology Residents Skills Transfer Course. American Academy of Ophthalmology. Chicago, IL. October 19, 2010.

***Surgical Course
Instructor***

Phakic Intraocular Lenses. American Academy of Ophthalmology. Chicago, IL. November 2012.

Phakic Intraocular Lenses. American Academy of Ophthalmology. Orlando, FL. October 24, 2011.

Laser Refractive Surgery Skills Transfer Course. American Academy of Ophthalmology. San Francisco, CA. October 27, 2009.

Laser Refractive Surgery for Ophthalmology Residents Skills Transfer Course. American Academy of Ophthalmology. San Francisco, CA. October 27, 2009.

Laser Refractive Surgery Skills Transfer Course. American Academy of Ophthalmology. Atlanta, GA. November 11, 2008.

Laser Refractive Surgery for Ophthalmology Residents Skills Transfer Course. American Academy of Ophthalmology. Atlanta, GA. November 11, 2008.

***Scientific Course
Faculty, Panelist***

28. Co-Chairman- International Society of Refractive Surgery Symposium, American Academy of Ophthalmology. New Orleans, LA. Scheduled November 16-19, 2013.

27. Faculty – Fundamentals of Anterior Segment Reconstruction. American Society of Cataract and Refractive Surgery Symposium. Scheduled April 21, 2013. San Francisco, CA.

26. Achieving Proper Centration and Alignment in Intraocular and Keratorefractive Surgery. American Society of Cataract and Refractive Surgery Symposium. Scheduled April 23, 2013. San Francisco, CA.

25. Moderator – Foundations of Refractive Surgery. International Society of Refractive Surgery, American Academy of Ophthalmology. November 10, 2012. Chicago, IL

24. Faculty- Corneal collagen cross-linking: new techniques and biomechanics. European Society of Cataract and Refractive Surgery. September 9, 2012. Milan, Italy.

23. Faculty - Aberration Induction Surgery in Presbyopia: Benefits and Detriments to Visual Function in Cataract and Corneal Refractive Surgery. European Society of Cataract and Refractive Surgery. September 9, 2012. Milan, Italy.

22. Faculty - Successful Crosslinking: Patient Selection, Management of Complications, Long-Term Follow-Up, Understanding Corneal Response to Treatment. American Society of Cataract and Refractive Surgery. April 24, 2012. Chicago, IL.
22. Faculty - Aberration Induction Surgery in Presbyopia: Benefits and Detriments to Visual Function in Cataract and Corneal Refractive Surgery. American Society of Cataract and Refractive Surgery. April 24, 2012. Chicago, IL.
21. Faculty - Controversies in Refractive Surgery. American Society of Cataract and Refractive Surgery. Chicago, IL. April 23, 2012.
20. Faculty-Corneal Collagen Crosslinking: New Techniques and Biomechanics. American Society of Cataract and Refractive Surgery. Chicago, IL. April 23, 2012.
19. Panelist – Cornea: Keratoconus, Keratoconus and Crosslinking. American Society of Cataract and Refractive Surgery. April 21, 2012.
18. Panelist – Ectasia and Corneal Collagen Crosslinking. American College of Ophthalmic Surgeons Dulaney Winter Meeting. February 29, 2012. Aspen, CO.
17. Faculty - Corneal Collagen Crosslinking – New Techniques and Biomechanics. XXIX European Society of Cataract and Refractive Surgery Symposium. September 17, 2011. Vienna, Austria.
16. Panelist – ISRS Symposium, Ophthalmic Diagnostics, Surgical Techniques and Controversies in Corneal and Refractive Surgery. XXIX European Society of Cataract and Refractive Surgery Symposium. September 20, 2011. Vienna, Austria.
15. Moderator - X International Congress on Surface Ablation, Femto Lasers and Cross-linking Congress; Session V, Free Paper Session; August 1, 2011; Deer Valley, UT.
14. Discussant - X International Congress on Surface Ablation, Femto Lasers and Cross-linking Congress; Session II, Crosslinking Bread and Butter; August 1, 2011; Deer Valley, UT.
13. Panelist - Intraocular Surgery, Aspheric, Matching, Monovision. American Society of Cataract and Refractive Surgery Symposium; March 28, 2011; San Diego, CA.
12. Panelist - Intracorneal Implants. Alicante Refractive International Monographic. March 11, 2011; Alicante, Spain.
11. Moderator – Modulating Ocular Biomechanics. Wavefront Congress; February 27, 2011; Vancouver, BC.
10. Panelist - Correcting Presbyopia around the World. International Society of Refractive Surgery Subspecialty Day, American Academy of Ophthalmology; October 18, 2010; Chicago, IL.
9. Panelist - Controversies in Refractive Surgery. European Society of Cataract and Refractive Surgery; September 6, 2010; Paris, France.

8. Panelist -The Femtosecond Face Off. World Ophthalmology Congress, XXXII International Congress of Ophthalmology; Scheduled June 8, 2010; Berlin, Germany.
7. Moderator - XI International Congress of Cataract and Refractive Surgery; Scheduled May 19-22, 2010; Natal, Brazil.
6. Panelist - IX International Congress on Surface Ablation, Femto Lasers and Cross-linking Congress; May 1, 2010; Ft. Lauderdale, FL.
5. Panelist - Keratorefractive LASIK and Surface Outcomes and Comparisons. American Society of Cataract and Refractive Surgery Symposium; April 13, 2010; Boston, MA.
4. Moderator - Laser Refractive Surgery Scientific Poster Session; Association for Research in Vision and Ophthalmology; May 3, 2009; Ft.Lauderdale, FL.
3. Discussant - 8th International Surface Ablation and SBK Congress; May 2 2009; Ft. Lauderdale, FL.
2. Discussant - Advances in Refractive Surgery; Federal University of Sao Paolo; January 22, 2009; Sao Paolo, Brazil.
1. Discussant - 7th International Surface Ablation and SBK Congress; April 26, 2008; Ft. Lauderdale, FL.

***Industry
Affiliations***

Consultant CXL Ophthalmics	October 2012-present
Consultant Bausch & Laumb	September 2012-present
Consultant TrueVision Goleta, CA	April 2012-present
Consultant SRD Vision	April 2012-present
Consultant Accelerated Vision Prairie Village, KS	March 2012-present
Consultant Topcon Medical Systems, Inc. Oakland, NJ	September 2011-August 2012
Consultant ISTA pharmaceuticals Irvine, CA	February 2011-February 2012

	Consultant FocalPoint Asia Singapore	January 2011-present
	Healthcare and Biomedical Council Gerson Lehrman Group Austin, TX	December 2010-present
	Consultant Clinical Research Consultants Cincinnati, OH	July 2010-present
	World Surgical Monitor AcuFocus, Inc. Irvine, CA	March 2010-September 2012
	Consultant RevitalVision, LLC Lawrence, KS	June 2009-present
	Consultant The Innovation Factory Duluth, GA	July 2008-November 2008
	Consultant AcuFocus, Inc. Irvine, CA	July 2008-present
<i>Advisory Boards</i>	Scientific Advisory Board CXL Ophthalmics	October 2012- present
	Scientific Advisory Board Ace Vision Group Cleveland, OH	July 2012-present
	Surgery Advisory Board TrueVision Goleta, CA	April 2012-present
	Scientific Advisory Board SRD Vision	April 2012-present
	Chairman - Medical and Scientific Advisory Board Ricrolin/Vega-UVA Corneal Collagen Crosslinking Technologies Topcon Medical Systems, Inc./SOOFT Italia Oakland, NJ/Italy	February 2011-July 2012
	Medical and Scientific Advisory Board. RevitalVision, LLC. Lawrence, KS	June 2009-present

Clinical and Scientific Advisory Board.
AcuFocus, Inc.
Irvine, CA

October 2008-present

Investigator,

Waring IV, GO. AcuFocus Surgical Summit Meeting, Vancouver, Canada.
December 1-2, 2012.

Waring IV, GO. AcuFocus Surgical Summit Meeting, Ottawa, Canada.
September 22-23, 2012.

***SAB and User
Meeting
Presentations***

Waring IV, GO. KAMRA Inlay Surgical Procedure (Panelist).
AcuFocus Surgical Summit Meeting, Tokyo Japan. Aug 19-20, 2012.

Waring IV, GO. KAMRA Medical Advisory Board Guidance Secondary Surgical
Procedures (Panelist). AcuFocus Surgical Summit Meeting, Tokyo Japan; Aug 19-20, 2012.

Waring IV, GO. Challenges with the KAMRA Intracorneal Inlays. AcuFocus Asia
Pacific Users Meeting; Tokyo, Japan. November 7, 2011

Waring IV GO. Iontophoretic delivery of riboflavin as a cross-linking agent with
UV-A in patients for the treatment of keratoconus. Topcon/SOOFT Corneal Collagen
Crosslinking Investigator Meeting. American Academy of Ophthalmology;
October 24, 2011. Oralndo, FL.

Waring IV GO. Enhanced Screening for Ectasia and its Susceptibility: Role of Corneal
Topography and Biomechanical Characterization. Reichert Ocular Response Analyzer
Symposium. European Society of Cataract and Refractive Surgery; September 19,
2011; Vienna, Austria.

Waring IV GO. Milestones in the AcuFocus Development. AcuFocus European Users,
Meeting; XXIX European Society of Cataract and Refractive Surgery Symposium; Vienna,
Austria; September 17, 2011.

Waring IV GO. Heidelberg Corneal Tomographic II Analysis of the KAMRA
Corneal Inlay. AcuFocus Scientific Advisory Board Meeting; September 25, Dallas, TX.

Waring IV GO, Rocha KM. Fourier Domain Optical Coherence Tomographic Analysis of
the KAMRA Corneal Inlay. AcuFocus Scientific Advisory Board Meeting; September 25,
2010; Dallas, TX.

Waring IV GO Immersive Biomedical Imaging Technique with Confocal Microscopy for
Corneal Imaging. TOPCON Corneal Collagen Cross-linking Investigators Meeting;
July 18, 2010; Oakland, NJ.

Waring IV GO. Use of Femtosecond Laser to Create Intracorneal Pockets for the
AcuFocus Corneal Inlay AcuFocus Clinical Investigators Meeting; July 26, 2008.
Minneapolis, MN.

Waring IV GO. Confocal Analysis of the AcuFocus Corneal Inlay. AcuFocus Scientific
Clinical Investigators Meeting; March 19, 2008; Dallas, TX.

***First Surgical
Procedures***

Performed first LASIK and PRK in the United States on the Alcon Wavelight EX500 Excimer laser. November 14, 2012; Charleston, SC.

***Live Surgical
Procedures***

Corneal Collagen Crosslinking with Ricrolin and Vega UVA for the treatment of keratoconus. ReVision Corneal Collagen Crosslinking symposium; April 7, 2011. Columbus, OH.

KAMRA corneal inlay implantation for the surgical correction of presbyopia. Alicante Refractive International Monographic; March 11, 2011. Alicante, Spain

***Ophthalmic
Trade
Publications***

George O. Waring IV MD, Jeffery Whitman MD. "Point Counterpoint" for corneal inlays. Ocular Surgery News. September 2012. pp 11.

David B. Hardten, Mitchell A. Jackson, Gaston O. Lacayo, George O. Waring IV, Elizabeth Yeu. "Complex Case Management - Scarring and Irregular Astigmatism after Trauma to LASIK Flap" Cataract and Refractive Surgery Today. September 2012. pp 1-4.

"Iontophoresis- A New Use". Ophthalmology Times. January 15, 2012. p 10.
Carlos G. Arce, Gaston O. Lacayo and George O. Waring IV, MD. "Complex Case Management – Refractive Enhancement 10 Years Later" Cataract and Refractive Surgery Today. November/December 2011. pp 1-3.

George O. Waring IV, MD. "Corneal Inlays for the Surgical Treatment of Presbyopia" Advanced Ocular Care. November/December 2011, pp14-16.

George O. Waring IV, MD and Marcony R. Santhiago, MD. "The Evolution of Corneal Inlays" Cataract and Refractive Surgery Today – Europe. November/December 2011. pp 1-3.

"Treating Keratoconus through Iontophoretic Delivery of Riboflavin" (video interview). Cataract and Refractive Surgery Today Journal Club, Episode 2, eyetube.net. November 11, 2011.

"Small Aperture Corneal Implants" (video interview). Eyetube TV, eyetube.net. October 18, 2011

"Corneal Inlay" Eurotimes. Vol. 16, Issue 9, September 2011, pp 14.

"Premium IOL brain booster: Considering neural testing and plasticity". EyeWorld. Vol. 16, Number 8, August 2011, pp 41-42.

"Cortex Vision Training: A New Frontier". Ophthalmology Times. July 1, 2011.

"Presbyopic Correction: Inlay A Promising Modality". Ophthalmology Times, June 15, 2011. pp 36.

"The KAMRA presbyopia inlay" (video interview). Ophthalmology Web. May 11, 2011

“The Benefits of Corneal Collagen Crosslinking” (video interview). Ophthalmology Web. May 11, 2011

George O. Waring IV MD, Jason E. Stahl MD. “Lens exchange aids vision quality – dysfunctional lens syndrome may accompany physiologic aging, precede cataract”. Ophthalmology Times. May 1, 2011: 32-33.

“Visual cortex training boosts contrast sensitivity after IOL implantation.” Ocular Surgery News. April 25, 2011.

Perspective on “Flap lift LASIK re-treatment improves vision despite epithelial ingrowth, dry eye”. Ocular Surgery News. March 25, 2011.

Perspective on “Topical morphine significantly reduces pain after PRK without adverse effects”. Ocular Surgery News. Feb 2011;18.

“Visual Cortex Training may Improve Vision after Refractive Surgery”. Ocular Surgery News. May 2010.

“Highlights from the 2010 ASCRS and World Cornea Congress Meeting”. Ophthalmology Web. May 2010.

George O. Waring IV, MD. “KAMRA Corneal Inlay for the Treatment of Presbyopia”. Focus on Refractive Surgery, Ophthalmology Times. April 2010.

George O. Waring IV, MD. “Working Successfully with Thin LASIK Flaps”. Ocular Surgery News. Oct 10, 2009.

George O. Waring IV, MD. “Primary Visual Cortex Training System Designed to Enhance Quality of Vision”. Focus on Refractive Surgery, Ophthalmology Times. Oct 15 2009: 63-65.

“George Waring IV, MD recaps femtosecond laser comparison study” (Video interview) Ophthalmology Web. May 28, 2009.

“SBK over PRK?” Eye World Magazine, February 2009.

George O. Waring IV, MD, Daniel S. Durrie, MD. “NeuroLASIK – Can surgeons improve LASIK outcomes by training the visual cortex?” (Cover Story). Cataract and Refractive Surgery Today, Aug 2008;52-53.

“Comparing Flaps Created With Femtosecond Lasers.” (Cover Story). Cataract and Refractive Surgery Today, Aug 2008; 58-59.

“[Endoscopic Corneal Video Features Groundbreaking Imaging.](#)” Ocular Surgery News Super Site. May 1, 2008.

**Electronic
Communications**

George O. Waring IV, MD “2010 AAO Laser Refractive Surgery Skills Course for Residents”. [Pearls in Ophthalmology](#), Volume 5, Issue 3. October 15, 2010.

George O. Waring IV, MD. “[Pearls for Starting a Fellowship in Corneal-Refractive Surgery](#)”. [Pearls in Ophthalmology](#), Volume 5. July 17, 2010.

George O. Waring IV, MD “Visual Cortex Training in Refractive Surgery”. RevitalVision Webinar Series. May 25, 2010.

George O. Waring IV, MD. “Visual Cortex Training after Refractive Surgery: NeuroLASIK” (Podcast). [Ophthalmic Hyperguide](#). July 10, 2009.

George O. Waring IV, MD. “[Keratorefractive Excimer Procedures](#)”. [Pearls in Ophthalmology](#). Volume 4, Issue 2; June 4, 2009.

George O. Waring IV, MD. “[Prospective Contralateral Comparison of Femtosecond Lasers](#)”. [Ophthalmology Web](#). May 27, 2009.

George O. Waring IV, MD. “[The Development and Importance of Thin Flap Femtosecond LASIK](#)” (Podcast). [Ophthalmic Hyperguide](#). May 8, 2009.

George O. Waring IV, MD. “[A Glimpse into the Future](#)”. [Pearls in Ophthalmology](#), Volume 4, Issue 1; February 2, 2009.

George O. Waring IV, MD. “[Pearls for Interviewing at the Academy](#)”. [Pearls in Ophthalmology](#), Volume 3, Issue 3 November 1, 2008.

George O. Waring IV, MD. “[Pearls for Starting a Fellowship in Corneal-Refractive Surgery](#)”. [Pearls in Ophthalmology](#), Volume 3, Issue 2. July 29, 2008.

George O. Waring IV, MD. “[American Academy of Ophthalmology Annual Meeting. Tips for First Timers](#)” [Pearls in Ophthalmology](#), Volume 2, Issue 3. November 8, 2007.

George O. Waring IV, MD. “[Preparing for Residency](#)” [Pearls in Ophthalmology](#), Volume 2, Issue 2. September 6, 2007.

**Ophthalmic
News Editorials**

George O. Waring IV, MD. Editorial on “Lens Refractive Surgery-Ocular Surface Key to Surgical Success.” [Focus on Refractive Surgery](#), [Ophthalmology Times](#), pp 43-44. April 1, 2012.

George O. Waring IV, MD. Editorial on “Wavefront aberrometry uses new nomograms for toric IOLs and post refractive eyes.” [Focus on Refractive Surgery](#), [Ophthalmology Times](#), pp. 28-30. March 15, 2011.

George O. Waring IV, MD. Editorial on “The Future of Refractive Surgery – Visual Simulators”. [Focus on Refractive Surgery](#), [Ophthalmology Times](#). October, 2009.

George O. Waring IV, MD. [Editorial on “Surgeons Look to PRK to Enhance Previous LASIK”](#). [Focus on Refractive Surgery](#), [Ophthalmology Times](#). September 15, 2009.

George O. Waring IV, MD. “[Keratorefractive Excimer Procedures](#)”. *Pearls in Ophthalmology*, Volume 4, Issue 2; June 4, 2009.

George O. Waring IV, MD. “[A Glimpse into the Future](#)”. *Pearls in Ophthalmology*, Volume 4, Issue 1; February 2, 2009.

George O. Waring IV, MD. [Editorial on “Corneal Biomechanical Measurements with the ORA: From Hysteresis and Beyond.”](#) Focus on Refractive Surgery, *Ophthalmology Times*, September 2009.

***Patents
Pending***

Apparatus and Method for Biomedical Imaging (Immersive Biomedical Imaging Technique).
Patent pending (October 2008).

***Courses and
Certifications***

Certified for Alcon EX500 Wavelight Excimer Laser <i>First Surgeon in United States to be certified on this laser</i>	November 14, 2012
Certified for Alcon FS200 Femtosecond Laser	November 14, 2012
Certified for VISX Customvue Excimer Laser	May 15, 2012
Certified for AcuFocus KAMRA Small Aperture Corneal Inlay	July 23, 2011
Certified for NIDEK EC 5000 Excimer Laser	March 7, 2011
Certified for Alcon Diffractive Multifocal Lens Implant	February 2011
Certified for Alcon toric Intraocular Lens Implants	February 2011
San Antonio Ophthalmology Course San Antonio, TX	March 2008
Certified for IntraLase Femtosecond Laser	December 2007
Certified for Wavelight Excimer Laser	December 2007
2007 Mayo Clinic Analyze Digital Imaging Workshop Mayo Clinic Rochester NY	October 2007
Basic Life Support	Current
Institutional Review Board and Investigation in Human Subject Research Certification	Current
Chief Resident Leadership Forum in Ophthalmology Dallas, TX	May 2006
Basic Science Course in Ophthalmology Columbia University School of Medicine New York, NY	January 2005

<i>Public Service Activities</i>	Physicians for Social Responsibility: Event Coordinator. Organized regional air pollution and health training conference. Atlanta, GA.	1998
	Hands on Atlanta: Helped refurbish public high school. Atlanta, GA.	1998
	Habitat for Humanity: Helped build home for low-income family. Atlanta, GA.	1996
	Wilderness Society: Assembled and co-authored “Georgia Mountain Treasures” Conducted inventories of old growth forest and endangered species. Atlanta, GA.	1994
<i>Avocations</i>	White-water kayaking Sponsored Athlete Perception Kayaks Inc. (1999-2001) Competitor in the national free-style white-water kayak tour (1998) Competitor in southeastern regional competitions (1996-1998) Expedition leader and rescue kayaker on four continents (1993-present)	
	Member of American Tsokalpo Kang mountaineering expedition First recorded ascent of Kang Ya Ja (5997M) Dolpo, Nepal. October 2, 1996 American Alpine Journal .	
	Guitarist Recorded studio lead guitarist on Yates Dew, The Residency EP (2003) Ranked number one on www.awarestore.com best seller list.	
	Photography Published in Rock & Ice magazine (April 1997)	