

Curriculum Vitae

Karolinne Maia Rocha M.D, Ph.D

PERSONAL DATA

Current position Associate Professor of Ophthalmology
Director of Cornea & Refractive Surgery
Fellowship Director Cornea & Refractive Surgery
Associate Program Director of Ophthalmology Residency
Medical University of South Carolina (MUSC)
Storm Eye Institute (SEI)
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EDUCATION

MEDICAL TRAINING

1996-1999 State University of Londrina (UEL)
Londrina, Paraná, Brazil
Doctor of Medicine, M.D.

1997 State University of Londrina (UEL)
North Paraná University Hospital
Emergency Room Trainee
Londrina, Paraná, Brazil

2000 – 2001 Maternidade Municipal Lucilla Ballalai - Londrina
Obstetric Trainee
Londrina, Paraná, Brazil

2000-2002 State University of Londrina (UEL)
Londrina, Paraná, Brazil
Transitional Intern

RESIDENCY TRAINING

- 2002-2005 Federal University of São Paulo (UNIFESP-EPM)
São Paulo, São Paulo, Brazil
Residency – Ophthalmology
code: MEC 7-97
- 2010-2011 Cleveland Clinic Foundation
Cleveland, Ohio, USA
Internal Medicine Program
- 2011-2014 Cleveland Clinic Foundation – Cole Eye Institute
Cleveland, Ohio, USA
Residency – Ophthalmology

PhD DEGREE

- 2005-2008 Federal University of São Paulo (UNIFESP-EPM)
São Paulo, São Paulo, Brazil
Optical aberrations in pseudophakia and cataract
PhD - Doctorship in Medicine

FELLOWSHIP AND POST-DOCTORAL TRAINING

- 2005-2007 Federal University of São Paulo (UNIFESP-EPM)
São Paulo, São Paulo, Brazil
Fellowship - Anterior Segment Surgery (Cataract, Cornea & Glaucoma)
- 2008-2009 Cleveland Clinic Foundation – Cole Eye Institute
Cleveland, Ohio, USA
Post-Doctoral Cornea & Refractive Surgery Fellowship
- 2009-2010 Emory University
Atlanta, Georgia, USA
Post-Doctoral Cornea & Refractive Surgery Fellowship
- 2014 Course in Glued Secondary Intraocular Lenses, Deep Anterior Lamellar Keratoplasty &
Pre-Descemet's endothelial Keratoplasty. Agarwal Eye Hospital Chennai, India

BOARD CERTIFICATION

- 2015 *Diplomate of the American Board of Ophthalmology*
- 2005 *Diplomate of the Brazilian Council of Ophthalmology*

MEDICAL LICENSURE

- 2014-present *South Carolina, USA*
- 2010 *Ohio, USA*
- 2005 *Brazilian Board of Ophthalmology, Brazil*
- 2002 *São Paulo, Brazil*
- 2002 *Parana, Brazil*

EMPLOYMENTS, APPOINTMENTS & PRIVILEGES

- 2017-present Physician Liaison for the Ophthalmology Department, Executive Compliance Committee. Medical University of South Carolina (MUSC), Charleston, SC
- 2016-present Director of Cornea & Refractive Surgery
Department of Ophthalmology
Storm Eye Institute, Medical University of South Carolina (MUSC), Charleston, SC
- 2014-present Assistant Professor of Ophthalmology, Cornea & Refractive Surgery Division
Department of Ophthalmology
Storm Eye Institute, Medical University of South Carolina (MUSC), Charleston, SC
- 2014-present Ambulatory Procedure Center Medical University of South Carolina Mt. Pleasant, SC
- 2014-present Rutledge Tower Ambulatory Surgery Center Medical University of South Carolina
Charleston, SC
- 2006-2007 Anterior Segment Surgeon (Cornea, Lens & Refractive Surgery) Private Practice
Londrina, Parana, Brazil
- 2006-2007 Ambulatory Procedure Center Hoftalon Eye Hospital
Londrina, Parana, Brazil

2006-2007	Staff Ophthalmologist (Cornea, Cataract & Refractive Surgery) Private Practice São Paulo, São Paulo, Brazil
2006-2007	Anterior Segment Surgeon (Cataract & Glaucoma) IPEPO - Federal University of São Paulo (UNIFESP-EPM) São Paulo, São Paulo, Brazil
2005-2007	Ambulatory Procedure Center Federal University of São Paulo (UNIFESP) São Paulo, São Paulo, Brazil

ADDITIONAL CERTIFICATION

2014	Optomedica Catalys femtosecond laser
2014	Allegretto Wave [®] Ex500 Excimer Laser System (Alcon Laboratories Inc., Ft Worth, TX)
2013	Allegretto Wave [®] Eye-Q Excimer Laser System (Alcon Laboratories Inc., Ft Worth, TX)
2013	Wavelight [®] FS200 laser (Alcon Laboratories Inc., Ft Worth, TX)
2010- <i>present</i>	Basic Life Support

PROFESSIONAL AFFILIATIONS

American Ophthalmological Society (AOS)
American Academy of Ophthalmology (AAO)
International Society of Refractive Surgery (ISRS)
The American Society of Cataract and Refractive Surgery (ASCRS)
European Society of Cataract and Refractive Surgeons (ESCRS)
International Society of Presbyopia (ISOP)
American-European Congress of Ophthalmic Surgery (AECOS)
Association for Research and Vision in Ophthalmology (ARVO)

The American Society of Progressive Enterprising Surgeons
(ASPENS)

The Vanguard Ophthalmology Society (VOS)

Ophthalmic Women Leaders (OWL)

Brazilian Council of Ophthalmology (CBO)

Pan-American Association of Ophthalmology

EDITORIAL ACTIVITY

<i>2022-present</i>	Refractive Surgery Section Editor, EyeWorld Editorial Office, The American Society of Cataract and Refractive Surgery (ASCRS) membership Journal
<i>2014-present</i>	Associate Editor, Journal of Refractive Surgery (JRS) Editorial Office
<i>2014-2020</i>	Refractive Surgery Editorial board, The Ophthalmic News & Education Network (ONE Network), American Academy of Ophthalmology
<i>2013-present</i>	Associate Editor, Brazilian Archives of Ophthalmology - Arquivos Brasileiros de Oftalmologia (ABO) Editorial Office
<i>2011</i>	Reviewer, Cornea, LWW Journals - Lippincott Williams & Wilkins
<i>2011-present</i>	Reviewer, American Journal of Ophthalmology, Elsevier Inc, Philadelphia, PA
<i>2009</i>	Ophthalmic Hyperguide Faculty Member, Vindico Medical Education, Thorofare, NJ
<i>2008-present</i>	Reviewer, Ophthalmology, J.B. Lippincott Company, Hagerstown, MD
<i>2007-present</i>	Reviewer, Journal of Cataract and Refractive Surgery, Fairfax, VA
<i>2007-present</i>	Reviewer, Journal of Refractive Surgery, Thorofare, NJ

AWARD AND HONORS

- 2021 *Pierre Gautier Jenkins Teaching Award*. Medical University of South Carolina, **Storm Eye Institute, MUSC**, June 17th, 2021, Charleston, SC.
- 2019 American Academy of Ophthalmology's Senior Achievement Award. **American Academy of Ophthalmology**, October 13th, 2019; San Francisco, CA.
- 2019 Best Paper of Session, American Society of Cataract and Refractive Surgery: Subjective and Objective Analysis of Pseudoaccommodation in Aberration-Free and Negative Spherical aberration IOL using Ray-tracing Aberrometry. In: ASCRS, San Diego CA, 2019. **American Society of Cataract and Refractive Surgery**, 2019.
- 2018 The Colin Award, International Journal of Keratoconus and Ectatic Corneal Diseases: HADDAD J, BARNWELL EL, ROCHA KM, WARING IV GO, AMBROSIO Jr R. First Clinical Impressions of the Integrated Corneal Tomography and Corneal Deformation with Scheimpflug Imaging. In: ESCRS, September 22nd, 2018, Vienna. **European Society of Cataract and Refractive Surgeons**, 2018.
- 2017 International Society of Refractive Surgery (ISRS) Recognition Award, American Academy of Ophthalmology; In: AAO, November 10th, New Orleans LA, 2017. **American Academy of Ophthalmology Subspecialty Day**, 2017.
- 2017 Top Doctors in Ophthalmology. Castle Connolly Medical, Ltd. Guide to America's Top Ophthalmologists.
- 2017 Top Ophthalmologist and Leading Physician, included in the *2017 International Power List*. Voted by thirty-six thousand readers of the international publication *The Ophthalmologist* (Texere Publishing Limited, Haig House, Haig Road, Knutsford, Cheshire, WA16 8DX, UK).
- 2016 The Waring Memorial Award, International Society of Refractive Surgery (ISRS), American Academy of Ophthalmology; In: AAO, October 14th, Chicago IL, 2016. **American Academy of Ophthalmology Subspecialty Day**, 2016.
- 2016 Top Doctors in Ophthalmology. Castle Connolly Medical, Ltd. Guide to America's Top Ophthalmologists.
- 2015 Outstanding Female Leader in Ophthalmology Award winner. In: **American Academy of Ophthalmology**, November 13th, Las Vegas, 2015.

- 2015 Best Surgical Video: FLAAK - Femtosecond laser-assisted arcuate keratotomy in pseudophakia post penetrating keratoplasty. **XII Congresso Internacional de Oftalmologia (BRASCRS)**. Sauipe, BA, Brazil. June 5th, 2015.
- 2015 Outstanding Female in Ophthalmology Award. **MillennialEye**, February 2015.
- 2014 Best of Anterior Segment Specialty Meetings, American Academy of Ophthalmology: Advanced Analysis for IOL calculation in Refractive Surgery; In: AAO, October 20th, Chicago IL, 2014. **American Academy of Ophthalmology**, 2014.
- 2014 Best Research Paper & Highest OKAP score. **Cleveland Clinic Lerner College of Medicine**, June 13th, Cleveland OH, 2014.
- 2013 Teaching Excellence Recognition. **Cleveland Clinic Lerner College of Medicine**, July 30th, Cleveland OH, 2013.
- 2012 American Academy of Ophthalmology's Achievement Award.
In: **American Academy of Ophthalmology**, November 10-23, Chicago IL, 2012.
- 2012 ASCRS Foundation Resident Excellence Award. In: ASCRS, Chicago, 2012.
American Society of Cataract and Refractive Surgery, April 20-24, 2012.
- 2009 Top Honors for PhD thesis of Federal University of Sao Paulo (UNIFESP) and CAPES (Coordination for the Improvement of Higher Education Personnel): "Optical aberrations in pseudophakia and cataract", Brasilia DF, Brazil, 2009.
First ophthalmologist in Brazil to be awarded this distinction.
- 2007 Best of Anterior Segment Specialty Meetings, American Academy of Ophthalmology: Optical Quality of Specialized Refractive IOLs in Cataract Surgery; In: AAO, New Orleans LA, 2007. **American Academy of Ophthalmology**, 2007.
- 2007 International Travel Grant, Association for Research in Vision and Ophthalmology Annual Meeting: Effects of Zernike wavefront aberrations on visual acuity measured using electromagnetic adaptive optics technology In: ARVO Annual Meeting, Fort Lauderdale FL, 2007. **Association for Research in Vision and Ophthalmology Annual Meeting**, 2007.
- 2006 Best Paper of Session, American Society of Cataract and Refractive Surgery: Wavefront analysis and contrast sensitivity of aspheric and spherical IOLs: randomized Prospective study In: ASCRS, San Francisco CA, 2006. **American Society of Cataract and Refractive Surgery**, 2006.
- 2005 Surgical Skills Prize, XXXIII Brazilian Congress of Ophthalmology, Brazilian Council of Ophthalmology; Fortaleza CE- Brazil, 2005. **Awarded as second year resident.**

COMMITTEE SERVICE

2020-present	Clinical Competency Committee, Department of Ophthalmology, Storm Eye Institute, Medical University of South Carolina (MUSC)
2019-present	The Cornea Clinical Committee, American Society of Cataract and Refractive Surgery (ASCRS)
2017-present	Physician Liaison for the Ophthalmology Department, Executive Compliance Committee. Medical University of South Carolina (MUSC)
2017-present	Refractive Surgery Committee, Basic and Clinical Science Course (BCSC), the American Academy of Ophthalmology (AAO) Board of Trustees
2014	Dissertation Committee for PhD Thesis Glenn Hepfer, PhD Candidate Biomechanics of Corneal Cross-linking. Medical University of South Carolina (MUSC), Department of Bioengineering
2014-present	American Academy of Ophthalmology, The Ophthalmic News & Education Network (ONE Network), Refractive Surgery Division
2012-present	International Society of Refractive Surgery (ISRS) International Council American Academy of Ophthalmology

GRANTS AND INVESTIGATIONAL CLINICAL TRIALS

2022	Investigator. Accuracy of IOL Master 700 Total Keratometry (TK) in Patients Undergoing Post-Laser Vision Correction Cataract Surgery. (Pro00119717) Medical University of South Carolina, Charleston SC.
2017 – present	Investigator. Intacts Inserts-Prescription Inserts for Treatment of Patients with Keratoconus (HDE). (00046816) Medical University of South Carolina, Charleston SC.
2016 – present	Investigator. A Phase 3, Multi-center, Double-Masked, Vehicle-Controlled, Randomized, Parallel-Group Study to Assess Loteprednol Etabonate Ophthalmic Gel 0.38% (BID and TID) versus Vehicle Gel for the Treatment of Ocular Inflammation and Pain Following Cataract Surgery. Medical University of South Carolina, Charleston SC.

- 2015 – *present* Investigator. A Prospective, Multicenter Post-Approval Study of Visioncare’s Implantable Miniature Telescope in Patients with Bilateral Severe to Profound Central Vision Impairment Associated with End-Stage Age-Related Macular Degeneration. IRB: 20835.
Medical University of South Carolina, Charleston SC.
- 2014 – *present* Co-Investigator. A Multi-Center, Randomized, Placebo-Controlled Evaluation of the Safety and Efficacy of the KXL System with VibeX (Riboflavin Ophthalmic Solution) for Corneal Collagen Cross-Linking in Eyes with Keratoconus. Protocol KXL-001. IRB: 00034946.
Medical University of South Carolina, Charleston SC.
- 2012-2014 Co-Investigator. LASIK Flap Thickness and Visual Outcomes Using the WaveLight FS200 Femtosecond Laser. IRB: 11-744; NCT: 02060461.
Cleveland Clinic Foundation, Cole Eye Institute, Cleveland OH.
- 2009-2010 Co-Investigator. Topography-guided LASIK using the ALLEGRETTO WAVE® Eye-Q 400 Hz Excimer Laser System for the Treatment of Manifest and Cornea Based Myopic and Hyperopic Optical Errors. IRB: 00113.
Emory University, Emory Vision, Atlanta GA.
- 2009-2010 Co-Investigator. Safety and Effectiveness of the UV-X System for Corneal Collagen Cross-Linking in Eyes with Corneal Ectasia or Progressive Keratoconus. IRB: 005828.
Emory University, Emory Vision, Atlanta GA.
- 2007-2009 Co-Investigator. Enhancement of visual performance and depth-of-focus using adaptive optics. IRB: 07-1037.
Cleveland Clinic Foundation, Cole Eye Institute, Cleveland OH.
- 2006-2008 Co-Investigator. Optical aberrations and contrast sensitivity of aspheric and spherical intraocular lenses. IRB/CEP: 012/06. Federal University of São Paulo, São Paulo, Brazil.
- 2004-2007 Co-Investigator. Wavefront analysis of the human eye optical aberrations. IRB/CEP: 0424/02. Federal University of São Paulo, São Paulo, Brazil.
- 1998 – 1999 Grant for Scientific Initiation at State University of Londrina, Parana, Brazil
CPG-037/98 - PIBIC-CNPq
Mentor: José Vitor Jankevicius, PhD
- 1998 - 1999 Research project: Tripanosomatídeos de Plantas e Insetos: Caracterização Genética e Infecção Experimental. State University of Londrina, Parana, Brazil.
- 1997 - 1998 Grant for Scientific Initiation at State University of Londrina, Parana, Brazil
CPG-029/97 - PIBIC-CNPQ
Mentor: José Vitor Jankevicius, PhD

1997 - 1998 Research project: Fusarium Moniliforme: Ecosystema,
Controle Fúngico e Fumonisina em Milho. State University
of Londrina, Parana, Brazil.

MENTORING ACTIVITIES

Year	Student Name/Project	Institution
2023-2024	Jessica Pittman, MS2, Class of 2025. College of Medicine, FLEX research mentorship program.	College of Medicine, Medical University of South Carolina
2023-2024	Fariha Islam, MS2, Class of 2025. College of Medicine, FLEX research mentorship program.	College of Medicine, Medical University of South Carolina
2022-2023	Mira Amin, M.D. Clinical and Surgical Fellowship/Course Mentor in Cornea, Cataract and Refractive Surgery.	Medical University of South Carolina, Department of Ophthalmology
2022-2023	Maya Dodhia, MS3, Class of 2024. Career development mentorship program, clinical advisor.	College of Medicine, Medical University of South Carolina
2022-2023	Raj Patel, MS3, Class of 2024. Career development mentorship program, clinical advisor.	College of Medicine, Medical University of South Carolina
2021-2022	Eduardo Da Costa, BS. Mentorship program in Cornea, Cataract and Refractive Surgery.	Medical University of South Carolina, Department of Ophthalmology
2021-2022	John Ryan Allen, MS3, Class of 2023. Career development mentorship program, clinical advisor.	College of Medicine, Medical University of South Carolina
2021-2022	James Landreanau, M.D. Clinical and Surgical Fellowship/Course Mentor in Cornea, Cataract and Refractive Surgery.	Medical University of South Carolina, Department of Ophthalmology

2021-2023	Maya Dodhia, MS2, Class of 2024. Mentorship program, student independent research program, FLEX program, in Cornea, Cataract and Refractive Surgery.	Medical University of South Carolina, Department of Ophthalmology
2020-2021	Ryan Mercer, M.D. Clinical and Surgical Fellowship/Course Mentor in Cornea, Cataract and Refractive Surgery.	Medical University of South Carolina, Department of Ophthalmology
2020/2021	Connor Lentz, MS3, Class of 2022. Career development mentorship program, clinical advisor.	College of Medicine Medical University of South Carolina
2019-2020	Colin Brown, M.D. Clinical and Surgical Fellowship/Course Mentor in Cornea, Cataract and Refractive Surgery.	Medical University of South Carolina, Department of Ophthalmology
2019-2021	Larissa Gouvea, M.D. Visiting Postdoctoral Fellowship/Course Mentor in Cornea, Cataract and Refractive Surgery.	Medical University of South Carolina, Department of Ophthalmology
2018-2019	Vinicius DeStefano, M.D., PhD Clinical and Surgical Fellowship/Course Mentor in Cornea, Cataract and Refractive Surgery.	Medical University of South Carolina, Department of Ophthalmology
2018-2019	Shelli Ciandella, MS3, Class of 2019. Career development mentorship program, clinical advisor.	College of Medicine, Medical University of South Carolina
2018-2019	Joseana Lopes Ferreira, M.D., MLS, PharmD Comparison of ray-tracing, Hartmann-Shack, autorefractometry and manifest refraction in echelette's achromatic intraocular lens. Research mentorship program.	Medical University of South Carolina, Department of Ophthalmology

2017-2018	Jorge Haddad, M.D. Home Country: Brazil	Medical University of South Carolina, Department of Ophthalmology Visiting Postdoctoral Fellowship/Course Mentor in Cornea, Cataract and Refractive Surgery.
2016	Joao Correia Saraiva, M.D. Home Country: Brazil	Medical University of South Carolina, Department of Ophthalmology Visiting Postdoctoral Fellowship/Course Mentor in Cornea, Cataract and Refractive Surgery
2016-2017	Eliza Barnwell, BS	Medical University of South Carolina, Department of Ophthalmology Analysis of pseudoaccommodation in different intraocular lens profiles using ray-tracing aberrometry and double-pass wavefront.
2016-2017	Jake McMillin, MD	Medical University of South Carolina, Department of Ophthalmology Objective Evaluation of Visual Quality Before and After Nd:YAG Laser Capsulotomy in Patients with Visually Significant Posterior Capsular Opacification.
2015	Anthony Leonard, PhD	Medical University of South Carolina, Department of Ophthalmology Forward light scattering via double-pass retina point imaging for the diagnosis and staging of keratoconus. PhD mentorship.
2015-2016	Ryan Mercer, BS	Medical University of South Carolina, Department of Ophthalmology Analysis of corneal biomechanical properties after femtosecond-LASIK using a non-contact tonometer with a dynamic ultra high-speed scheimpflug camera.
2015-2016	Ashley Brundrette, MD	Medical University of South Carolina, Department of Ophthalmology Tear film analysis using double pass wavefront.
2015-2016	Kenzo Koike, MD	Medical University of South Carolina, Department of Ophthalmology Femtosecond laser-assisted Astigmatic Keratotomy (FLAAK) post penetrating keratoplasty.
2015-2016	Evan Zeldin, BA	Medical University of South Carolina, Department of Ophthalmology Ray-tracing technology and dysfunctional lens Index.

2015-2016	Michelle Crouse, BS	Medical University of South Carolina, Department of Ophthalmology
	Tear film analysis using double pass wavefront.	
2014-2015	Justin Roman, MD	Medical University of South Carolina, Department of Ophthalmology
	Evaluation and comparison of corneal ultrastructure in normal and keratoconic eyes using spectral-domain optical coherence tomography.	
2014-2015	Jern Yee Chen, M.D. Home Country: Australia	Medical University of South Carolina, Department of Ophthalmology
	Visiting Postdoctoral Fellowship/Course Mentor in Cornea, Cataract and Refractive Surgery.	

PEER REVIEWED PUBLICATIONS

1. ROCHA KM, DA COSTA E, DOHIA M, WARING GO 4TH. Tolerance To Induced Astigmatism With A Monofocal Intraocular Lens Designed To Extend The Depth Of Focus. J Refract Surg. 2023 (*submitted for publication*).
2. GOUVEA L, KAPELES M, JAMMAL A, WARING IV G, CHAMON W, ROCHA KM. J Refract Surg. 2023 (*accepted for publication*).
3. AMBRÓSIO R JR, MACHADO AP, LEÃO E, LYRA JMG, SALOMÃO MQ, ESPORCATTE LGP, FILHO JBRDF, FERREIRA-MENESES E, SENA NB JR, HADDAD JS, NETO AC, CASTELO DE ALMEIDA G JR, ROBERTS CJ, ELSHEIKH A, VINCIGUERRA R, VINCIGUERRA P, BÜHREN J, KOHNEN T, KEZIRIAN GM, HAFEZI F, HAFEZI NL, TORRES-NETTO EA, LU N, KANG DSY, KERMANI O, KOH S, PADMANABHAN P, TANERI S, TRATTLER W, GUALDI L, SALGADO-BORGES J, FARIA-CORREIA F, FLOCKERZI E, SEITZ B, JHANJI V, CHAN TCY, BAPTISTA PM, REINSTEIN DZ, ARCHER TJ, **ROCHA KM**, WARING GO 4TH, KRUEGER RR, DUPPS WJ, KHORAMNIA R, HASHEMI H, ASGARI S, MOMENI-MOGHADDAM H, ZAREI-GHANA VATI S, SHETTY R, KHAMAR P, BELIN MW, LOPES B; International Corneal and Ocular and Biomechanics Study Group. Optimized artificial intelligence for enhanced ectasia detection using Scheimpflug-based corneal tomography and biomechanical data. Am J Ophthalmol. 2022 Dec 19:S0002-9394(22)00506-2.
4. M VAN DEN BERG R, VAN DEN BERG A, DODHIA M, SHAHID M, Alessandro A JAMMAL AA, DE FREITAS D, ROCHA KM. Scheimpflug-derived corneal lower and higher order aberrations post intrastromal corneal ring segments for keratoconus. Vision (Basel). 2022 Dec 14;6(4):76.

5. HADDAD JS, GOUVEA L, AMBRÓSIO R JR, WARING GO 4TH, ROCHA KM. Ray-tracing Analysis of Accommodation and Pseudoaccommodation in Phakic and Pseudophakic Eyes. *J Refract Surg.* 2022 Oct;38(10):661-667.
6. SNYDER M, PINEDA R II, MILLER KM, LANDRENEAU J, VAN DEN BERG A, ROCHA, KM. Anterior segment reconstruction due to cosmetic iris implants placed in the anterior chamber. *Journal of Cataract & Refractive Surgery.* 2022 Aug 48(8):974.
7. GOUVEA L, SIOUFI K, BROWN CE, WARING IV G, CHAMON W, ROCHA KM. Refractive Accuracy of Barrett True-K vs Intraoperative Aberrometry for IOL Power Calculation in Post-Corneal Refractive Surgery Eyes. *Clin Ophthalmol.* 2021 Oct 27;15:4305-4315.
8. GUPTA PK, BERDAHL JP, CHAN CC, ROCHA KM, YEU E, AYRES B, FARID M, LEE WB, BECKMAN KA, KIM T, HOLLAND EJ, MAH FS; from the ASCRS Cornea Clinical Committee. The corneal endothelium: clinical review of endothelial cell health and function. *J Cataract Refract Surg.* 2021 Sep 1;47(9):1218-1226.
9. LOPES B, PADMANABHAN P, ZHANG H, ABASS A, ELIASY A, BANDEIRA F, BAO F, BÜHREN J, ELMASSRY A, FARIA-CORREIA F, ROCHA K, RECHICHI M, ROMANO V, TORRES-NETTO EA, VINCIGUERRA R, VINCIGUERRA P, ELSHEIKH A. Clinical Validation of the Automated Characterization of Cone Size and Center in Keratoconic Corneas. *J Refract Surg.* 2021 Jun;37(6):414-421.
10. MERCER RN, MILLIKEN CM, WARING GO 4TH, ROCHA KM. Future Trends in Presbyopia Correction. *J Refract Surg.* 2021 Jun;37(S1):S28-S34.
11. WARING GO 4TH, CHANG DH, ROCHA KM, GOUVEA L, PENATTI R. Correlation of Intraoperative Optical Coherence Tomography of Crystalline Lens Diameter, Thickness and Volume with Biometry and Age. *Am J Ophthalmol.* 2020 Dec 29:S0002-9394(20)30679-6.
12. GOUVEA L, PENATTI R, ROCHA KM. Neurotrophic keratitis after penetrating keratoplasty for lattice dystrophy. *Am J Ophthalmol Case Rep.* 2021 Feb 26;22:101058.
13. HEPFER RG, CHEN P, SHI C, ROCHA KM, WARING GO 4TH, SLATE EH, YAO H. Depth- and direction-dependent changes in solute transport following cross-linking with riboflavin and UVA light in ex vivo porcine cornea. *Exp Eye Res.* 2021 Apr;205:108498.
14. SIOUFI K, ZHELEZNYAK L, MACRAE S, ROCHA KM. Femtosecond Lasers in Cornea & Refractive Surgery. *Exp Eye Res.* 2021 Apr;205:108477.
15. ROCHA KM, BROWN CE, SIOUFI K, GOUVEA L. Toric implantable collamer lens for treating refractive error in post-radial keratotomy, post-penetrating keratoplasty pseudophakic eye. *Am J Ophthalmol Case Rep.* 2020 Aug 20;20:100882.

16. ROCHA KM, BROWN C. Cloudy complication: management of an opacified intraocular lens and diffuse iris transillumination defects. *J Cataract Refract Surg.* 2020 Aug;46(8):1204-1205.
17. WARREN N, MERCER RN, HADDAD J, MAGRATH G, ROCHA KM. Corneal melt in conjunctival intraepithelial neoplasia. *Am J Ophthalmol Case Rep.* 2020 Apr 20;19:100689.
18. HADDAD JS, GOUVEA L, FERREIRA JL, AMBRÓSIO R JR, WARING GO 4TH, ROCHA KM. Impact of a Chromatic Aberration-Correcting Intraocular Lens on Automated Refraction. *J Refract Surg.* 2020 May 1;36(5):334-339.
19. BROWN CE, WARING GO 4TH, ROCHA KM. Redefining vision assessment. *Curr Opin Ophthalmol.* 2020 Jul;31(4):225-233.
20. ROCHA KM, GOUVEA L, WARING GO 4TH, HADDAD J. Static and Dynamic Factors Associated with Extended Depth of Focus in Monofocal Intraocular Lenses. *Am J Ophthalmol.* 2020 Aug;216:271-282.
21. HADDAD JS, BARNWELL E, ROCHA KM, AMBROSIO R JR, WARING IV GO. Comparison of Biometry Measurements Using Standard Partial Coherence Interferometry versus New Scheimpflug Tomography with Integrated Axial Length Capability. *Clin Ophthalmol.* 2020 Feb 4;14:353-358.
22. GOUVEA L, WARING GO 4TH, BRUNDRETT A, CROUSE M, ROCHA KM. Objective assessment of optical quality in dry eye disease using a double-pass imaging system. *Clin Ophthalmol.* 2019 Oct 9;13.
23. ROCHA KM, MERCER R, DUPPS WJ Jr, KRUEGER RR. The Incidence and Natural History of Subjectively and Objectively Determined Metrics of Light Scattering in Femtosecond Laser-Assisted In Situ Keratomileusis. *EC Ophthalmology* 10.8 (2019).
24. MCMILLIN JC, ROCHA KM, BARNWELL EL, HADDAD JS, WARING IV GO. Objective evaluation of vision quality in pseudophakic patients with posterior capsular opacification using double-pass retinal imaging. *Arq Bras Oftalmol.* 2019 May-Jun;82(3):189-194.
25. HADDAD JS, ROCHA KM, YEH K, WARING GO 4TH. Lens anatomy parameters with intraoperative spectral-domain optical coherence tomography in cataractous eyes. *Clin Ophthalmol.* 2019 Feb 4;13:253-260.
26. ROCHA KM, GOUVEA L, MILLIKEN CM. Combined flanged intrascleral intraocular lens fixation with corneal transplant. *Am J Ophthalmol Case Rep.* 2018 Nov 10;13:1-5.
27. HIPSLEY A, HALL B, ROCHA KM. Long-term visual outcomes of laser anterior ciliary excision. *Am J Ophthalmol.* 2018 Jun;10:38-47.

28. HADDAD J, BARNWELL EL, ROCHA KM, WARING IV GO, AMBROSIO Jr R. First Clinical Impressions of the Integrated Corneal Tomography and Corneal Deformation with Scheimpflug Imaging. *International Journal of Keratoconus and Ectatic Corneal Diseases*. 2017 Jul;6(2):1-9.
29. MERCER R, WARING GO IV, ROCHA KM. Comparison of Corneal Deformation Parameters in Keratoconus and Normal Eyes Using a Non-contact Tonometer with a Dynamic Ultra-high-speed Scheimpflug Camera. *J Refract Surg*. 2017 Sep 1;33(9):625-631.
30. LEONARD AP, GARDNER SD, ROCHA KM, ZELDIN ER, TREMBLAY DM, WARING GO IV. Double-Pass Retina Point Imaging for the Evaluation of Optical Light Scatter, Retinal Image Quality, and Staging of Keratoconus. *J Refract Surg*. 2016 Nov 1;32(11):760-765.
31. AU J, PLESEC T, ROCHA K, DUPPS W JR, KRUEGER R. Early post-LASIK flap amputation in the treatment of aggressive, branching keratitis. *Arq Bras Oftalmol*. 2016 Feb;79(1):50-52.
32. ROCHA KM, KRUEGER RR. Spectral-domain optical coherence tomography epithelial and flap thickness mapping in femtosecond laser-assisted in situ keratomileusis. *Am J Ophthalmol*. 2014 Aug;158(2):293-301.
33. HALLAHAN KM, ROCHA KM, SINHA ROY A, RANDLEMAN JB, STULTING RD, DUPPS WJ. Effects of corneal crosslinking on ocular response analyzer waveform-derived variables in keratoconus and post-refractive surgery ectasia. *Eye Contact Lens*. 2014 Nov;40(6):339-44.
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EDITORIALS & REVIEW ARTICLES

1. BICKFORD M, ROCHA K. Impact of the COVID-19 Pandemic on Refractive Surgery. *Curr Ophthalmol Rep.* 2021;9(4):127-132.
2. ROCHA KM. Presbyopia on the Horizon. *J Refract Surg.* 2021 Jun;37(S1):S6-S7.
3. GOUVEA L, ROCHA KM, DREW DICKSON D, WARING GO 4TH. Combined Intracorneal Ring Segments and Corneal Collagen Crosslinking. *W J Ophthalmol & Vision Res.* 1(2): 2019. WJOVR.MS.ID.000510.
4. HIPSLEY A, HALL B, ROCHA KM. Scleral surgery for the treatment of presbyopia: where are we today? *Eye and Vision.* 2018, Feb 5:4.
5. ROCHA KM. Extended Depth of Focus IOLs: The Next Chapter in Refractive Technology? *J Refract Surg.* 2017 Mar 1;33(3):146-149.
6. CHANG DH, ROCHA KM. Intraocular lens optics and aberrations. *Curr Opin Ophthalmol.* 2016 Jul, 27(4):298-303.
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BOOK CHAPTERS / BOOK EDITOR

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7. Rocha, K. M., & Krueger, R. R. (2015). Spectral-Domain Anterior-Segment Optical Coherence Tomography in Refractive Surgery. In A. Agarwal & D. A. Kumar (Ed), Essentials of OCT in Ocular Disease Ocular Disease (pp. 74-81). New York, NY: Thieme Medical Publishers, Inc.
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12. Krueger, R. R., Rocha, K. M., & Jankov II, M. R. (2010). Corneal Cross-Linking with Riboflavin and Ultraviolet Irradiation. In: Keratoconus and Keratoectasia: Prevention, Diagnosis and Treatment. Thorofare, NJ: Slack Incorporated.
13. Rocha, K. M., & Krueger, R. R. (2008). Ophthalmic Biometry. In: A.D. Singh, B. Hayden, & C.J. Pavlin (Ed), Ultrasound Clin (pp. 195-200). Atlanta, GA: Elsevier.
14. Arce, C. G., Rocha, K. M., & Soriano, E. (2006). Orbscan no cálculo da lente intra-ocular. In: Excelência em Biometria (pp. 313-330). Rio de Janeiro, RJ: Cultura Médica.
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CONFERENCE MODERATOR/PANELIST/INSTRUCTOR

1. Course Instructor – Laser Refractive Surgery Skills Transfer Course. **American Academy of Ophthalmology (AAO)**, October 1st, 2022; Chicago, IL.
2. Panelist – Refractive Surgery Subspecialty Day: JRS—Hot, Hotter, Hottest Late Breaking News. **American Academy of Ophthalmology (AAO)**, September 30, 2022; Chicago, IL.
3. Panelist – Unhappy Presbyopic IOL Patient: Role of the Vitreous. **American-European Congress of Ophthalmic Surgery (AECOS)**, July 7, 2022; Deer Valley, UT.
4. Moderator - Fellows with Tough Cases. **American-European Congress of Ophthalmic Surgery (AECOS)**, July 8, 2022; Deer Valley, UT.
5. Moderator - Refining Your Game: How Have I Evolved for the Better: When Should the Second Eye Cataract be Performed? **Kiawah Eye meeting**, June 4, 2021; Kiawah Island, SC.
6. Moderator – Cornea Day: Session III, Ocular Surface. **American Society of Cataract and Refractive Surgery (ASCRS)**, April 22, 2022; Washington, DC.
7. Moderator – Cornea Update. **Cataract Surgery Telling it Like it is**, Orlando, FL, February 10, 2022.
8. Course Instructor – Toric intraocular lens alignment. **Cataract Surgery Telling it Like it is**, Orlando, FL, February 12, 2022.

9. Panelist - Corneal-based Refractive Surgery. **Ocular Surgery News (OSN) New York**, October 14th, 2021; New York, NY.
10. Course Instructor – Optics & Intraocular Lenses. **American Society of Cataract and Refractive Surgery (ASCRS)**, July 25, 2021; Las Vegas, NV.
11. Moderator – Roundtable discussion Keratoconus & CXL. **American Society of Cataract and Refractive Surgery (ASCRS)**, July 24, 2021; Las Vegas, NV.
12. Moderator – Cornea Day. **American Society of Cataract and Refractive Surgery (ASCRS)**, July 23, 2021; Las Vegas, NV.
13. Moderator - Challenging Cases - IOL Selections. **American-European Congress of Ophthalmic Surgery (AECOS)**, July 16, 2021; Deer Valley, UT.
14. Panelist - Extended Range of Vision IOLs: You make the call. **American-European Congress of Ophthalmic Surgery (AECOS)**, July 15, 2021; Deer Valley, UT.
15. Panelist – Biometry with the Bigs!! A world expert panel in biometry and IOLs. **Canadian Ophthalmological Society (COS Virtual)**, June 25.
16. Moderator – Cornea Update. **Cataract Surgery Telling it Like it is**, Amelia Island, FL, June 10, 2021
17. Moderator – Storm Eye Institute Update. **Kiawah Eye meeting**, June 3, 2021; Kiawah Island, SC.
18. Course Instructor – Understanding and Managing Patients Unhappy with Vision after Cataract Surgery. **Virtual American Society of Cataract and Refractive Surgery (ASCRS)**, May 17, 2020.
19. Course Instructor – Fundamentals of Anterior Segment Reconstruction. **American Academy of Ophthalmology (AAO)**, October 15, 2019; San Francisco, CA.
20. Course Instructor – Laser Refractive Surgery Skills Transfer Course. **American Academy of Ophthalmology (AAO)**, October 13, 2019; San Francisco, CA.
21. Panelist - Call your Attending - Fellows with Tough Cases. **American-European Congress of Ophthalmic Surgery (AECOS)**, July 12, 2019; Deer Valley, UT.
22. Panelist – Keratoconus/Crosslinking. **American Society of Cataract and Refractive Surgery (ASCRS)**, May 6, 2019; San Diego, CA.

23. Course Instructor – Understanding and Managing Patients Unhappy with Visual Quality and/or Night Vision Symptoms after Presbyopia Correcting IOL Implantation. **American Society of Cataract and Refractive Surgery (ASCRS)**, May 6, 2019; San Diego, CA.
24. Course Instructor – Modern Understanding of Accommodation: Metrics of Optical Quality Derived from Wave aberrations to Predict Visual Performance. **American Society of Cataract and Refractive Surgery (ASCRS)**, May 5, 2019; San Diego, CA.
25. Panelist - Symposium of Challenging Cases. **American Society of Cataract and Refractive Surgery (ASCRS)**, May 5, 2019; San Diego, CA.
26. Panelist – Cornea & Refractive Surgery Grand Rounds. **Kiawah Eye**, May 30, 2018; Kiawah Island, SC.
27. Course Instructor – Assessing Vision Beyond Snellen Acuity: What Cataract Surgeons Need to Know About Optical Quality. **American Academy of Ophthalmology (AAO)**, November 14, 2017; New Orleans, LA.
28. Course Instructor – Advanced Refractive Cataract Surgery and Anterior Segment Reconstruction. **American Academy of Ophthalmology (AAO)**, November 13, 2017; New Orleans, LA.
29. Course Instructor – International Society of Refractive Surgery Laser Refractive Surgery Skills Transfer Course. **American Academy of Ophthalmology (AAO)**, November 11, 2017; New Orleans, LA.
30. Moderator - Visual Quality Assessment, Morning Break With the Experts. **American Academy of Ophthalmology (AAO), Refractive Surgery Subspecialty Day**, November 10, 2017; New Orleans, LA.
31. Panelist - JRS: Hot, Hotter, Hottest: Late Breaking News. **American Academy of Ophthalmology (AAO), Refractive Surgery Subspecialty Day**, November 10, 2017; New Orleans, LA.
32. Panelist - Severe keratoconus who refuses to wear glasses post cataract surgery. **American-European Congress of Ophthalmic Surgery (AECOS)**, July 14, 2017; Deer Valley, UT.
33. Panelist - Cataract with poor zonular support. **American-European Congress of Ophthalmic Surgery (AECOS)**, July 13, 2017; Deer Valley, UT.
34. Course Instructor – Refractive Challenges. **American Society of Cataract and Refractive Surgery**, May 7, 2017; Los Angeles, CA.
35. Panelist - Refractive Surgery Challenges. **American-European Congress of Ophthalmic Surgery (AECOS)**, March 1, 2017; Aspen, CO.

36. Panelist - IOLs and Lens-based Refractive Surgery. **Ocular Surgery News (OSN) New York**, November 5, 2016; New York, NY.
37. Course Instructor – Laser Refractive Surgery Skills Transfer Course. **American Academy of Ophthalmology (AAO)**, October 17, 2016; Chicago, IL.
38. Moderator - **American Academy of Ophthalmology (AAO) Refractive Surgery Subspecialty Day (Pursuit of Perfection, Section VI: JRS Hot, Hotter, Hottest – Late Breaking News)**. October 14, 2016; Chicago, IL.
39. Discussant – Cataract – Subspecialty Day (Dia Especial de Cataract). **60° Congresso Brasileiro de Oftalmologia (CBO)**. September 3, 2016; Goiania, GO, Brazil.
40. Panelist - Patient with Irregular Cornea Seeks Improved Vision. **American-European Congress of Ophthalmic Surgery (AECOS)**, July 17, 2016; Deer Valley, UT.
41. Panelist - Posterior Polar Express (Posterior Polar Cataract Surgical Techniques). **American-European Congress of Ophthalmic Surgery (AECOS)**, July 15, 2016; Deer Valley, UT.
42. Course Instructor – Aberration induction in surgery in presbyopia: benefits and detriments to visual function in corneal refractive surgery; Expanding depth of focus by modifying higher-order aberrations induced by an adaptive optics visual simulator. **European Society of Cataract and Refractive Surgeons (ESCRS)**, September 6, 2015; Barcelona, Spain.
43. Panelist – Negative dysphotopsia in an uncomplicated cataract surgery. **American-European Congress of Ophthalmic Surgery (AECOS)**, August 1, 2015; Deer Valley, UT.
44. Panelist – Cataract patient wants good uncorrected distance, mid and near vision, but fears halos. **American-European Congress of Ophthalmic Surgery (AECOS)**, July 31, 2015; Deer Valley, UT.
45. Panelist - Keratoconus. **XII Congresso Internacional de Oftalmologia (BRASCRS)**. Sauipe, BA, Brazil. June 3, 2015.
46. Panelist – Complications in Refractive Surgery. **XII Congresso Internacional de Oftalmologia (BRASCRS)**. Sauipe, BA, Brazil. June 5, 2015.
47. Panelist – Keratorefractive Keratoconus. **American Society of Cataract and Refractive Surgery (ASCRS)**, April 20, 2015; San Diego, CA.
48. Course Instructor – T&N Course Pearls and Techniques for the Management of Challenging Cataracts. **American Society of Cataract and Refractive Surgery (ASCRS)**, April 19, 2015; San Diego, CA.
49. Panelist – The Women in Ophthalmology: An update on the American Society of Progressive Enterprising Surgeons. **American-European Congress of Ophthalmic Surgery (AECOS)**, March 3, 2015; Aspen, CO.

50. Panelist – Young Ophthalmologists. **American-European Congress of Ophthalmic Surgery (AECOS)**, March 3, 2015; Aspen, CO.
51. Course Instructor – Laser Refractive Surgery Skills Transfer Course. **American Academy of Ophthalmology (AAO)**, October 20-21, 2014; Chicago, I L.
52. Course Instructor – Pearls for Evaluating Corneal Topography in Patients Scheduled for Cataract Surgery. **American Academy of Ophthalmology (AAO)**, October 19, 2013; New Orleans, LA.
53. Discussant – Presbyopia. **XXI Brazilian Congress of Ophthalmology Blindness Prevention and Rehabilitation**, September 4, 2014; Recife, Brazil.
54. Discussant – Controversies: Traditional Phaco vs. Femto. **XXI Brazilian Congress of Ophthalmology Blindness Prevention and Rehabilitation**, September 4, 2014; Recife, Brazil.
55. Coordinator – Presbyopia: Myths and Truths. **XXI Brazilian Congress of Ophthalmology Blindness Prevention and Rehabilitation**, September 4, 2014; Recife, Brazil.
56. Moderator - **International Congress on Surface Ablation, Femto-Lasers & Cross-Linking**, July 28, 2014; Deer Valley, UT.
57. Moderator – Meibomitis case requests cataract surgery. **American-European Congress of Ophthalmic Surgery (AECOS)**, July 24, 2014; Deer Valley, UT.
58. Panelist – Keratorefractive: Topography, Keratometry, Pachymetry. **American Society of Cataract and Refractive Surgery (ASCRS)**, April 26, 2014; Boston, MA.
59. Course Instructor – Laser Refractive Surgery Skills Transfer Course. **American Academy of Ophthalmology (AAO)**, November 19, 2013; New Orleans, LA.
60. Course Instructor – Pearls for Evaluating Corneal Topography in Patients Scheduled for Cataract Surgery. **American Academy of Ophthalmology (AAO)**, November 17, 2013; New Orleans, LA.
61. Roundtable Participant – How can we measure the changes in strength in the corneal following crosslinking? **International Congress on Surface Ablation, Femto-Lasers & Cross-Linking**; August 4, 2013; Deer Valley, UT.
62. Panelist – Keratorefractive: Surgical Techniques. **American Society of Cataract and Refractive Surgery (ASCRS)**, April 21, 2013; San Francisco, CA.
63. Course Instructor – Laser Refractive Surgery Skills Transfer Course. **American Academy of Ophthalmology (AAO)**, November 11, 2012; Chicago, IL.

64. Course Instructor - Corneal collagen cross-linking - new techniques and biomechanics. "Three Dimensional OCT Analysis in Corneal Collagen Crosslinking". Congress of the ESCRS, **European Society of Cataract and Refractive Surgeons (ESCRS)**, September 8, 2012; Milan, Italy.
65. Panelist - How can we measure the changes in strength in the cornea following crosslinking? **International Congress on Surface Ablation, Cross-Linking & Biomechanics**, July 29-30, 2012; Deer Valley, UT.
66. Panelist – CORNEA: Surgical Techniques: Femtosecond PK. **American Society of Cataract and Refractive Surgery (ASCRS)**, April 23, 2012; Chicago, IL.
67. Course Instructor - Corneal Collagen Crosslinking: New Techniques and Biomechanics. **American Society of Cataract and Refractive Surgery (ASCRS)**, April 24, 2012; Chicago, IL.
68. Course Instructor – Laser Refractive Surgery Skills Transfer Course. **American Academy of Ophthalmology (AAO)**, October 23, 2011; Orlando, FL.
69. Course Instructor - Corneal collagen cross-linking - new techniques and biomechanics. "Fourier domain OCT analysis of corneal collagen crosslinking". Congress of the ESCRS, **European Society of Cataract and Refractive Surgeons (ESCRS)**, September 17, 2011; Vienna, Austria.
70. Course Instructor - Enhanced Screening for Ectasia and Its Susceptibility: Role of Corneal Tomography and Biomechanical Characterization. **American Society of Cataract and Refractive Surgery (ASCRS)**, March 27, 2011; San Diego, CA.
71. Panelist - Cornea Crosslinking 3-H SDCC. **American Society of Cataract and Refractive Surgery (ASCRS)**, March 26-28, 2011; San Diego, CA.
72. Discussant – Lunch with experts: Crosslinking - Use and Complications. **American Academy of Ophthalmology (AAO), Subspecialty Day**, October 15, 2010; Chicago, IL.
73. Course Instructor – Laser Refractive Surgery Skills Transfer Course. **American Academy of Ophthalmology (AAO)**, October 17, 2010; Chicago, IL.
74. Moderator - **XI International Congress of Cataract and Refractive Surgery**; May 19-22, 2010; Natal, Brazil.
75. Panelist – Cornea: Keratoconus Crosslinking and Implants. **American Society of Cataract and Refractive Surgery (ASCRS)**, April 13, 2010; Boston, MA.
76. Course Instructor – Laser Refractive Surgery Skills Transfer Course. **American Academy of Ophthalmology (AAO)**, October 27, 2009; San Francisco, CA.

77. Panelist – Adaptive Optics. **Wavefront & Presbyopic Refractive Corrections**, March 5-7, 2009; Alicante, Spain.
78. Discussant - Advances in Refractive Surgery; **Federal University of Sao Paulo (UNIFESP)**; January 22, 2009; Sao Paulo, Brazil.

INVITED LECTURES

1. Bascom Palmer Annual Cornea/Cataract/Refractive Meeting. Miami FL, **February 24-25, 2023.**
2. Refractive Surgery in the New Age: Pseudophakic IOL solutions. Subspecialty Day, ISRS symposium, American Academy of Ophthalmology (AAO), Chicago, September 30th, 2022.
3. Anterior segment reconstruction with management of a decentered iris implant. American-European Congress of Ophthalmic Surgery (AECOS), July 8, 2022; Deer Valley, UT.
4. Diagnostics and Drug Delivery for the Cataract and Refractive Surgeon: Should I Look at Higher-Order Aberrations in Cataract Patients? Kiawah Eye meeting, June 2, 2022.
5. Cataract Surgery in Patients with Corneal Disease. American Society of Cataract and Refractive Surgery (ASCRS) Refractive Surgery Subspecialty Day, April 24, 2022; Washington, DC.
6. ASCRS symposium Beyond 20/20. Putting it All Together: The Patient Refractive Journey, Managing Extreme Astigmatism. American Society of Cataract and Refractive Surgery (ASCRS) Refractive Surgery Subspecialty Day, April 23, 2022; Washington, DC.
7. Cornea essentials: There Is NO Pain: Neurotrophic Keratitis. What Is My Algorithm for Treatment? American Society of Cataract and Refractive Surgery (ASCRS) Refractive Surgery Subspecialty Day, April 23, 2022; Washington, DC.
8. Role of Wavefront Imaging in Measuring Image Quality. American Society of Cataract and Refractive Surgery (ASCRS) Refractive Surgery Subspecialty Day, April 22, 2022; Washington, DC.
9. Refractive Surgery 2021: How Can We Do Better? Subspecialty Day, American Academy of Ophthalmology (AAO), New Orleans, November 12th, 2021.
10. Medical & Surgical Management of Corneal Conditions. Ocular Surgery News (OSN) New York, October 14th, 2021.
11. Should I Look at Higher Order Aberrations and Why Does it Matter? Ocular Surgery News (OSN) New York, October 14th, 2021.

12. The New Frontier in Presbyopia. The Real World Ophthalmology (Virtual meeting), September 18, 2021.
13. Anterior Segment Reconstruction and Complex Cataract. Nebraska Academy of Eye Physicians and Surgeons (NAEPS), Nebraska, September 10, 2021.
14. Cornea Clinical Committee's Symposium: Essential Cornea and Ocular Surface In-Office Procedures. Post-keratoplasty complications management: infections/corneal biopsy, AC air/gas injections, graft repositioning/suturing, suture adjustments. American Society of Cataract and Refractive Surgery (ASCRS), July 26, 2021; Las Vegas, NV.
15. Corneal Crosslinking and Intacts for Keratoconus. American Society of Cataract and Refractive Surgery (ASCRS), July 26, 2021; Las Vegas, NV.
16. Small incision anterior segment reconstruction. American-European Congress of Ophthalmic Surgery (AECOS), July 16, 2021; Deer Valley, UT.
17. Update on presbyopia-correcting/ERoV IOLs in normal eyes with glaucoma or other diseases. Canadian Ophthalmological Society (COS), June 27, 2021.
18. Refractive Lens Exchange. Canadian Ophthalmological Society (COS), June 25, 2021.
19. Small Shake and a Little Shimmy: How to deal with mildly weak zonules? Canadian Ophthalmological Society (COS), June 25, 2021.
20. IOL Selection Challenges. Cataract Surgery Telling it Like it is, Amelia Island, FL, June 13th, 2021.
21. Corneal Epithelial Mapping. Kiawah Eye meeting, June 3, 2021.
22. Coronavirus & Adenovirus. Virtual American Society of Cataract and Refractive Surgery (ASCRS) meeting, May 17, 2020.
23. CXL for Corneal Ectasia: Real-World Experience. Epithelium-Off vs. Epithelium-On Cross-linking? American Academy of Ophthalmology (AAO), October 13, 2019; San Francisco, CA.
24. The Current State of Intraocular Refractive Surgery: Managing Refractive IOLs in the Setting of a Compromise Posterior Capsule. American Academy of Ophthalmology Subspecialty Day (AAO), October 11, 2019; San Francisco, CA.
25. Repairing a Complex IFIS Case with a Prosthetic Iris. American-European Congress of Ophthalmic Surgery (AECOS), July 12, 2019; Deer Valley, UT.

26. Complex IOL calculations made easy. Vanguard Ophthalmology Society (VOS), American Society of Cataract and Refractive Surgery (ASCRS), May 4, 2019; San Diego, CA.
27. Premium IOLs in keratoconus: why I don't like them. American Society of Cataract and Refractive Surgery (ASCRS), May 3, 2019; San Diego, CA.
28. Expanding the depth of focus. Advanced Refractive Congress (ARC), July 28, 2018; Miami, FL.
29. Managing extreme astigmatism. American-European Congress of Ophthalmic Surgery (AECOS), July 14, 2018; Deer Valley, UT.
30. Yamane technique in corneal cases. American-European Congress of Ophthalmic Surgery (AECOS), July 13, 2018; Deer Valley, UT.
31. The battle of the calculators: transitioning to modern-day IOL formulas. Kiawah Eye, June 1, 2018; Kiawah Island, SC.
32. Femtosecond laser in hyper mature cataract. Kiawah Eye, May 31, 2018; Kiawah Island, SC.
33. Yamane technique in corneal cases. Cornea Day, American Society of Cataract and Refractive Surgery (ASCRS), April 13, 2018; Washington, DC.
34. Yamane technique in complex cataract cases. American-European Congress of Ophthalmic Surgery (AECOS), February 27, 2018; Aspen, CO.
35. Overview of the Mechanism and Utility of EDOF Lenses in Clinical Practice. Wavefront&Presbyopic Refractive Corrections, February 24, 2018; Denver, CO.
36. Update on preoperative testing for screening for presbyopia-correcting intraocular lenses. Research Study Club of Los Angeles, 86th Midwinter Conference, January 27, 2018; Los Angeles, CA.
37. Expanding the depth of focus. Research Study Club of Los Angeles, 86th Midwinter Conference, January 27, 2018; Los Angeles, CA.
38. Managing extreme astigmatism in cataract surgery. Research Study Club of Los Angeles, 86th Midwinter Conference, January 27, 2018; Los Angeles, CA.
39. Extended Depth of Focus IOLs. American Academy of Ophthalmology International Society of Refractive Surgery Symposium, November 14, 2017; New Orleans, LA.
40. Managing extreme astigmatism. American-European Congress of Ophthalmic Surgery (AECOS), July 15, 2017; Deer Valley, UT.

41. A patient is considering traveling outside the US for a stent. American-European Congress of Ophthalmic Surgery (AECOS), July 14, 2017; Deer Valley, UT.
42. Sutured IOL. American-European Congress of Ophthalmic Surgery (AECOS), July 14, 2017; Deer Valley, UT.
43. Corneal Collagen Crosslinking: Wet lab – Step by Step. Course on Advanced Corneal Surgery (COAS), Emory University School of Medicine. March 11, Atlanta, GA, 2017.
44. Dysfunctional Lens Syndrome. Ocular Surgery News (OSN) New York. November 5, New York, NY, 2016.
45. Does Scatter Matter? Millennial Eye Live. October 29, Miami, FL, 2016.
46. Update on Preoperative Testing for Screening for Multifocus IOL. American Academy of Ophthalmology Refractive Surgery Subspecialty Day (Pursuit of Perfection). October 14, Chicago, IL, 2016.
47. Surface Ablation: There Is a Role. American Academy of Ophthalmology – CLAO Symposium. October 16, Chicago, IL, 2016.
48. Epithelial profile and OCT. International Society of Refractive Surgery (ISRS) Symposium - Technological Revolution in Cataract and Refractive Surgery: Keep Calm, it is Just the Beginning. September 13, Copenhagen, Denmark, 2016.
49. Clinical Assessment of True Accommodation vs. Pseudoaccommodation: Ray Tracing and Double-pass Wavefront. International Society of Presbyopia (ISOP), September 9, Copenhagen, Denmark, 2016.
50. Importância da Espessura Epitelial na Análise da Superfície Corneana. 60º Congresso Brasileiro de Oftalmologia (CBO). Goiania, GO, Brazil. September 3, 2016.
51. Aberracoes Opticas e Qualidade de Visao. 60º Congresso Brasileiro de Oftalmologia (CBO). Goiania, GO, Brazil. September 3, 2016.
52. Personalização da Cirurgia Refrativa Baseada no Perfil Corneano. 60º Congresso Brasileiro de Oftalmologia (CBO). Goiania, GO, Brazil. September 3, 2016.
53. Ocular Light Scatter, Ray-Tracing Aberrometry, and Scheimpflug Densitometry as an Objective Measure of Dysfunctional Lens Syndrome. Advanced Refractive Congress (ARC), July 31, 2016; Miami, FL.
54. Sky is the limit: penetrating lensectomy. American-European Congress of Ophthalmic Surgery (AECOS), July 15, 2016; Deer Valley, UT.

55. New ways to assess the progression of staged presbyopia. XIV Congresso Internacional de Catarata e Cirurgia Refrativa (BRASCRS), June 4, 2016; Sao Paulo, Brazil.
56. True accommodation versus pseudoaccommodation (analysis of different IOL profiles using ray-tracing aberrometry and double-pass wavefront). XIV Congresso Internacional de Catarata e Cirurgia Refrativa (BRASCRS), June 3, 2016; Sao Paulo, Brazil.
57. This time I mean it (Topo-guided LASIK). Millennial Eye Live. Hollywood, CA. November 27, 2015.
58. Preoperative evaluation of the crosslinking patient (Keratoconus and post- LASIK ectasia). American-European Congress of Ophthalmic Surgery (AECOS), August 2, 2015; Deer Valley, UT.
59. Femto-AK post PK in pseudophakia: case series. American-European Congress of Ophthalmic Surgery (AECOS), August 1, 2015; Deer Valley, UT.
60. Presbyopia correction for the “Gen X”: Accommodation versus pseudoaccommodation. XII Congresso Internacional de Catarata e Cirurgia Refrativa (BRASCRS). Sauipe, BA, Brazil. June 5, 2015.
61. LASIK complications. XII Congresso Internacional de Oftalmologia (BRASCRS). Sauipe, BA, Brazil. June 5, 2015.
62. Clinical applications and advances in anterior segment OCT. XII Congresso Internacional de Oftalmologia. Cali, Colombia. May 22, 2015.
63. Anterior segment OCT and epithelial remodeling in refractive surgery. XII Congresso Internacional de Oftalmologia. Cali, Colombia. May 22, 2015.
64. Symposium: Quality of vision: beyond 20/20. Ray-tracing technology. American Society of Cataract and Refractive Surgery (ASCRS). San Diego, CA. April 18, 2015.
65. IOL calculations for the post-LASIK patient. Asia-Pacific Academy of Ophthalmology (APAO) & International Society of Refractive Surgery (ISRS). Guangzhou, China. March 31, 2015.
66. Optical and anatomical imaging inside the eye: anterior segment SD-OCT in refractive surgery. Asia-Pacific Academy of Ophthalmology (APAO) & International Society of Refractive Surgery (ISRS). Guangzhou, China. March 31, 2015.
67. Femto-flap problems: flap amputation for presumed fungal keratitis. Asia-Pacific Academy of Ophthalmology (APAO) & International Society of Refractive Surgery (ISRS).
68. Presbyopia correction: alternative surgeries on the horizon. Asia-Pacific Academy of Ophthalmology (APAO) & International Society of Refractive Surgery (ISRS). Guangzhou, China. March 31, 2015.

69. Expanded into the depth of focus. I Millennial Eye Live. Austin, Texas. November 23, 2014.
70. Advances in anterior segment imaging: Is this the key to the future of lens and refractive surgery? XX Cornea and Refractive Surgery International Course. Riviera Nayarit, Mexico. September 11, 2014.
71. Future of clinical adaptive optics in ophthalmology. XX Cornea and Refractive Surgery International Course. Riviera Nayarit, Mexico. September 11, 2014.
72. Advances in analysis for IOL power calculation in refractive surgery. XX Cornea and Refractive Surgery International Course. Riviera Nayarit, Mexico. September 11, 2014.
73. A more precise analysis of flap thickness and residual stromal bed. XXI Brazilian Congress of Ophthalmology Blindness Prevention and Visual Rehabilitation. Recife, Brazil. September 5, 2014.
74. Scenario of the labor market in the US. XXI Brazilian Congress of Ophthalmology - Blindness Prevention and Visual Rehabilitation. Recife, Brazil. September 5, 2014.
75. Interview: as you come to a major publication. XXI Brazilian Congress of Ophthalmology Blindness Prevention and Visual Rehabilitation. Recife, Brazil. September 5, 2014.
76. Monovision vs. Multifocality. XXI Brazilian Congress of Ophthalmology Blindness Prevention and Visual Rehabilitation. Recife, Brazil. September 4, 2014.
77. Thickness of corneal epithelium: What is its importance in refractive surgery? XXI Brazilian Congress of Ophthalmology Blindness Prevention and Visual Rehabilitation. Recife, Brazil. September 3, 2014.
78. What I know about the imaging system based on optical coherence tomography. XXI Brazilian Congress of Ophthalmology Blindness Prevention and Visual Rehabilitation. Recife, Brazil. September 3, 2014.

PUBLISHED ABSTRACTS AND MEETINGS

1. ROCHA, Karolinne; DA COSTA, Eduardo; DOHIA, Maya; WARING IV, George O. Tolerance to Induced Astigmatism: Comparison of Standard and Enhanced Monofocal IOLs. In: ASCRS, Washington DC, 2022. **American Society of Cataract and Refractive Surgery**, April 24, 2022.
2. BICKFORD, Matthew; DA COSTA, Eduardo; DOHIA, Maya; ROCHA, Karolinne. In Vivo Wavefront Analysis of a Monofocal Intraocular Lens Using Dynamic Spatial Skiascopy, Ray-Tracing and Hartmann-Shack Aberrometers. In: ASCRS, Washington DC, 2022. **American Society of Cataract and Refractive Surgery**, April 23, 2022

3. DA COSTA, Eduardo; DOHIA, Maya; MILLIKEN, Cole; ROCHA, Karolinne. Comparison of Scheimpflug-Based Metrics Post Corneal Collagen Crosslinking and Intracorneal Ring Segments for Keratoconus. In: ASCRS, Washington DC, 2022. **American Society of Cataract and Refractive Surgery**, April 23, 2022.
4. ROCHA, Karolinne. Gemini 1 & 2 Pooled Phase 3: The Proportion of Subjects with Clinically Meaningful Near Vision Improvement. In: ASCRS, Washington DC, 2022. **American Society of Cataract and Refractive Surgery**, April 23, 2022.
5. MILLIKEN CM, DA COSTA E, DODHIA M, ROCHA KM. Spectral Domain OCT Analysis of Epithelial Remodeling after Combined Intracorneal Ring Segments and Corneal Crosslinking. In: ASCRS, Washington DC, 2022. **American Society of Cataract and Refractive Surgery**, April 23, 2022.
6. WARING IV, George Oral; CHANG, Daniel H.; ROCHA, Karolinne Maia; GOUVEA, Larissa; PENATTI, Raphael C. Correlation of Intraoperative Optical Coherence Tomography of Crystalline Lens Diameter, Thickness and Volume with Biometry and Age . In: ASCRS, Las Vegas, 2021. **American Society of Cataract and Refractive Surgery**, July 26, 2021.
7. MILLIKEN, Cole; DREW, Dickson; ROCHA, Karolinne. Refractive Outcomes and Complication Rates Resident Performed FS-LASIK and PRK . In: ASCRS, Las Vegas, 2021. **American Society of Cataract and Refractive Surgery**, July 24, 2021.
8. DREW, Dickson; ORBAN, Molly; GOUVEA, Larissa; ROCHA, Karolinne Maia. Penetrating And Intrastromal Femtosecond Laser-Assisted Arcuate Keratotomy For Post-Penetrating Keratoplasty Astigmatism. **Virtual American Society of Cataract and Refractive Surgery (ASCRS) meeting**, May 16-17, 2020.
9. ORBAN, Molly; GOUVEA, Larissa; ROCHA, Karolinne Maia. Comparison Of Total Keratometry (TK) Versus Standard Keratometry (K) In Predicting Multifocal And Extended Depth Of Focus IOL Power. **Virtual American Society of Cataract and Refractive Surgery (ASCRS) meeting**, May 16-17, 2020.
10. BROWN, Colin; GOUVEA, Larissa; PENATTI, Raphael; SIOUFI, Kareem; JOHNSON, Walter; WARING IV, George; ROCHA, Karolinne Maia. Comparison Of Intraoperative Wavefront Aberrometry And Intraocular Lens Calculator Formulas For IOL Selection In Previous Refractive Surgery. **Virtual American Society of Cataract and Refractive Surgery (ASCRS) meeting**, May 16-17, 2020.
11. SIOUFI, Kareem; BROWN, Colin; GOUVEA, Larissa; WARING IV, George; ROCHA, Karolinne Maia. Comparison Between Intraoperative Wavefront Aberrometry And Current Intraocular Lens (IOL) Calculator Formulas For IOL Measurement In Eyes With Prior Radial Keratotomy. **Virtual American Society of Cataract and Refractive Surgery (ASCRS) meeting**, May 16-17, 2020.

12. GOUVEA, Larissa; BRIGGS, Thomas; HADDAD, Jorge; WARING IV, George; ROCHA, Karolinne Maia. Analysis of Static and Dynamic Factors Associated With Pseudoaccommodation in Monofocal IOLs. In: **American Academy of Ophthalmology**, October 13, San Francisco, 2019.
13. ROCHA, Karolinne Maia; GOUVEA, Larissa; HADDAD, Jorge; WARING IV, George Oral. Comparison of Ray-tracing, Hartmann-Shack, Autorefractometry and Manifest refraction in Echelette Achromatic Intraocular Lens. In: ASCRS, San Diego, 2019. **American Society of Cataract and Refractive Surgery**, May 7, 2019.
14. WARING IV, George Oral; GOUVEA, Larissa; DESTEFANO, Vinicius; ROCHA, Karolinne Maia. Comparison of Reading Performance Analysis of Diffractive Presbyopia Correcting IOLs using an Electronic Reading Acuity Device. In: ASCRS, San Diego, 2019. **American Society of Cataract and Refractive Surgery**, May 7, 2019.
15. ROCHA, Karolinne Maia; GOUVEA, Larissa; HIPSLEY, AnnMarie; JACKSON, Mitch; SHAH, Sunil; GUALDI, Luca; RAU, Magda. Accommodative Changes after Laser Scleral Microporation in Presbyopic Eyes. In: ASCRS, San Diego, 2019. **American Society of Cataract and Refractive Surgery**, May 6, 2019.
16. BRIGGS, Thomas; GOUVEA, Larissa; HADDAD, Jorge; DESTEFANO, Vinicius; WARING IV, George Oral; ROCHA, Karolinne Maia. Analysis of Static and Dynamic Factors Associated with Pseudoaccommodation in Monofocal Intraocular Lenses. In: ASCRS, San Diego, 2019. **American Society of Cataract and Refractive Surgery**, May 5, 2019.
17. GOUVEA, Larissa; HADDAD, Jorge; WARING IV, George Oral; ROCHA, Karolinne Maia. Subjective and Objective Analysis of Pseudoaccommodation in Aberration-Free and Negative Spherical aberration IOL using Ray-tracing Aberrometry. In: ASCRS, San Diego, 2019. **American Society of Cataract and Refractive Surgery**, May 4, 2019.
18. DESTEFANO, Vinicius; GOUVEA, Larissa; ROCHA, Karolinne Maia; WARING IV, George Oral. Initial Clinical Experience in Preoperative Ectasia Risk Analysis and Prediction Outcomes with a Finite Element Modeling Based Software. In: ASCRS, San Diego, 2019. **American Society of Cataract and Refractive Surgery**, May 4, 2019.
19. ROCHA, Karolinne Maia; HADDAD, Jorge; WARING IV, George O. Analysis of pseudoaccommodation in aspheric and extended depth of focus IOLs using ray-tracing aberrometry. In: **American Academy of Ophthalmology, Refractive Surgery Subspecialty Day**, November 10, New Orleans, 2017.
20. ROCHA, Karolinne Maia; YEH, Kaileen; WARING IV, George Oral. Anterior segment biometry: correlation between intraoperative optical coherence tomography and optical biometry. In: ASCRS, Los Angeles, 2017. **American Society of Cataract and Refractive Surgery**, May 6-10, 2017.
21. ROCHA, Karolinne Maia; HIPSLEY, AnnMarie. Metrics of optical quality derived from wavefront to predict visual performance in laser anterior ciliary excision patients. In: ASCRS, Los Angeles, 2017. **American Society of Cataract and Refractive Surgery**, May 9, 2017.

22. CONRAD, Laura; WARING IV, George Oral; ROCHA, Karolinne Maia. Spectral domain OCT epithelial thickness profile after contact lens wear. In: ASCRS, Los Angeles, 2017. **American Society of Cataract and Refractive Surgery**, May 6, 2017.
23. ROCHA, Karolinne Maia; HIPSLEY, AnnMarie. Ray Tracing wavefront analysis of accommodative ability after Laser anterior ciliary excision in progressively aging presbyopes. In: ESCRS, Copenhagen, 2016. **European Society of Cataract and Refractive Surgeons**, September 10, 2016.
24. ROCHA, Karolinne Maia; SARAIVA, Joao; WARING IV, George Oral. Analysis of Pseudoaccommodation in different IOL Profiles Using Ray-Tracing Aberrometry and Double-Pass Wavefront. In: ASCRS, New Orleans, 2016. **American Society of Cataract and Refractive Surgery**, May 6-10, 2016.
25. ROCHA, Karolinne Maia; HIPSLEY, AnnMarie; MA, David H. Long-Term Visual Outcomes of Laser Anterior Ciliary Excision. In: ASCRS, New Orleans, 2016. **American Society of Cataract and Refractive Surgery**, May 6-10, 2016.
26. ROCHA, Karolinne Maia; HIPSLEY, AnnMarie; MA, David H. Analysis and Effects of Laser Anterior Ciliary Excision on Dysfunctional Lens Syndrome Using Ray-Tracing Aberrometry. In: ASCRS, New Orleans, 2016. **American Society of Cataract and Refractive Surgery**, May 6-10, 2016.
27. WARING IV, George Oral; MERCER, Ryan; ROCHA, Karolinne Maia. Comparison of Corneal Biomechanical Parameters in Keratoconus and Normal Eyes Using a Noncontact Tonometer with a Dynamic Ultra-High-Speed Scheimpflug Camera. In: ASCRS, New Orleans, 2016. **American Society of Cataract and Refractive Surgery**, May 6-10, 2016.
28. WARING IV, George Oral; MERCER, Ryan; ROCHA, Karolinne Maia. Analysis of Corneal Biomechanical Properties After Femtosecond-Assisted LASIK Using a Noncontact Tonometer with a Dynamic Ultra-High-Speed Scheimpflug Camera. In: ASCRS, New Orleans, 2016. **American Society of Cataract and Refractive Surgery**, May 6-10, 2016.
29. BRUNDRETT, Ashley; CROUSE, Michelle; WARING IV, George Oral; ROCHA, Karolinne Maia. Dynamic Optical Quality Assessment using a Double-Pass Wavefront System as compared to Objective and Subjective Clinical Measures in Dry Eye Disease. In: ASCRS, New Orleans, 2016. **American Society of Cataract and Refractive Surgery**, May 6-10, 2016.
30. KOIKE, Kenzo; WARING IV, George Oral; ROCHA, Karolinne Maia. Femtosecond Laser-Assisted Arcuate Keratotomy for Treatment of Astigmatism After Penetrating Keratoplasty. In: ASCRS, New Orleans, 2016. **American Society of Cataract and Refractive Surgery**, May 6-10, 2016.

31. LEONARD, Anthony P; ZELDIN, Evan R; GARDNER, Scott D; TREMBLAY, David M; ROCHA, Karolinne Maia; WARING IV, George Oral. Double-Pass Retina Point Imaging to Determine the Role of Increased Ocular Light Scattering in Decreased Visual Quality in Keratoconus. In: ASCRS, New Orleans, 2016. **American Society of Cataract and Refractive Surgery**, May 6-10, 2016.
32. MCMILLIN, JC; SARAIVAIA, J; WARING, GO; ROCHA, K.; SHARPE, RA.; MERCER, R. Objective Evaluation of Visual Quality Before and After Nd:YAG Laser Capsulotomy in Patients with Visually Significant Posterior Capsular Opacification. In: ASCRS, New Orleans, 2016. **American Society of Cataract and Refractive Surgery**, May 6-10, 2016.
33. ROCHA, Karolinne Maia; MERCER, Ryan Nelson; HEMINGS, Richard Alan; REISDORF, Sven; WARING IV, George O. Comparison of corneal biomechanical parameters in keratoconus and normal eyes using a non-contact tonometer with a dynamic ultra-high-speed scheimpflug camera. In: **American Academy of Ophthalmology, Refractive Surgery Subspecialty Day**, November 13, Las Vegas, 2015.
34. MERCER, Ryan Nelson; HEMINGS, Richard Alan; REISDORF, Sven; WARING IV, George O.; ROCHA, Karolinne Maia. Analysis of Corneal Biomechanical Properties after Femtosecond-LASIK using a Non-contact Tonometer with a Dynamic ultra-high-speed Scheimpflug camera. In: **American Academy of Ophthalmology, Subspecialty Day**, November 13, Las Vegas, 2015.
35. ROCHA, Karolinne Maia; HIPSLEY, AnnMarie; MA, David H; GOLDBERG, Daniel B. Analysis and effects of laser anterior ciliary excision on presbyopic eyes using ray-tracing wavefront. In: ESCRS, Barcelona, 2015. **European Society of Cataract and Refractive Surgeons**, September 9, 2015.
36. ROCHA, Karolinne Maia. Topographical challenges after presbyopic refractive surgery. In: **International Society of Presbyopia (ISOP)**, September 4, Barcelona, 2015.
37. ROCHA, Karolinne Maia; HIPSLEY, AnnMarie; MA, David H; GOLDBERG, Daniel B. Ray-tracing wavefront analysis and biometric findings after laser anterior ciliary excision procedure. In: ASCRS, San Diego, 2015. **American Society of Cataract and Refractive Surgery**, April 19, 2015.
38. ROMAN, Justin M; TREMBLAY, David; ABID, Tariq; ROCHA, Karolinne Maia; WARING IV, George. Evaluation and comparison of corneal ultrastructure in normal and keratoconic eyes using spectral-domain optical coherence tomography. In: ASCRS, San Diego, 2015. **American Society of Cataract and Refractive Surgery**, April 21, 2015.
39. KRUEGER, R. Ronald; ROCHA, Karolinne Maia; DUPPS, William J. Natural history and incidence of rainbow glare and light scattering in femtosecond LASIK. In: ASCRS, San Diego, 2015. **American Society of Cataract and Refractive Surgery**, April 19, 2015.

40. AU, John; DUPPS, William J; ROCHA, Karolinne Maia; KRUEGER, R. Ronald. Early post-LASIK flap amputation in the treatment of aggressive fungal keratitis in association with construction of the refractive suite. In: Cornea Subspecialty Day, San Diego, 2015. **American Society of Cataract and Refractive Surgery**, April 15-17, 2015.
41. ROCHA, Karolinne Maia; DUPPS, William J; WEBER, Adam; KRUEGER, R. Ronald. The incidence and natural history of subjectively and objectively determined metrics of light scattering in femtosecond LASIK. In: AAO, Chicago, 2014. **American Academy of Ophthalmology, Subspecialty Day**, October 17, 2014.
42. ROCHA, Karolinne Maia; KRUEGER, R. Ronald. The role of epithelial remodeling on refractive regression after femto-LASIK for myopia. Presented at **International Congress on Surface Ablation, Femto-Lasers & Cross-Linking**; Deer Valley, UT, July 28, 2014.
43. HALLAHAN, Katie M; ROCHA, Karolinne M; SINHA ROY, Abhijit; RANDLEMAN, Bradley J; STULTING, R Doyle; DUPPS, William J. Effects of corneal collagen crosslinking on Ocular Response Analyzer Waveform-derived variables in keratoconus and post-LASIK ectasia. **ARVO Annual Meeting**, May 6, 2014, Orlando, Florida.
44. ROCHA, Karolinne Maia; KRUEGER, R. Ronald. Correlation of spectral-domain OCT measurements of corneal power and epithelial remodeling with mild myopic regression after optimized Femto-LASIK. In: ASCRS, Boston, 2014. **American Society of Cataract and Refractive Surgery**, April 25-29, 2014.
45. ROCHA, Karolinne Maia; HIPSLEY, AnnMarie; JACKSON, Mitchell; SWARTZ, Tracy. Ray-tracing aberrometry measurement of optical properties contributing to dynamic accommodative power after laser anterior ciliary excision procedure. In: ASCRS, Boston, 2014. **American Society of Cataract and Refractive Surgery**, April 25-29, 2014.
46. ROCHA, Karolinne Maia. Preoperative lens calculation. In: **Tokyo Summit, International Society of Refractive Surgery (ISRS)**; Tokyo, Japan, April 1st, 2014.
47. ROCHA, Karolinne Maia; PEREZ-STRAZIOTA E, Claudia; STULTING R, Doyle; RANDLEMAN J, Bradley. Spectral-domain OCT analysis of regional epithelial thickness profiles in keratoconus, postoperative corneal ectasia, and normal eyes. In: AAO, New Orleans, 2013. **American Academy of Ophthalmology, Subspecialty Day**, November 16, 2013.
48. ROCHA, Karolinne Maia; KRUEGER, R. Ronald. Three-dimensional spectral domain OCT analysis of epithelial remodeling in Femto-LASIK for myopia. Presented at **International Congress on Surface Ablation, Femto-Lasers & Cross-Linking**; Deer Valley, UT, August 4-5, 2013.

49. ROCHA, Karolinne Maia; KRUEGER, R. Ronald. The role of epithelial remodeling on refractive regression after femtosecond LASIK. Paper presented at **ARVO Annual Meeting**, May 7, 2013, Seattle, Washington.
50. ROCHA, Karolinne Maia; KRUEGER, R. Ronald. Anterior segment spectral-domain OCT analysis of prospective randomized contralateral Femto-LASIK study for myopia. In: ASCRS, San Francisco, 2013. **American Society of Cataract and Refractive Surgery**, April 20, 2013.
51. ROCHA, Karolinne Maia; KRUEGER, R. Ronald. The role of epithelial remodeling on refractive regression after femtosecond LASIK. In: Wavefront & Presbyopic Refractive Corrections, Hollywood Beach, Florida, 2013. **Wavefront & Presbyopic Refractive Corrections**, February 21-24, 2013.
52. ROCHA, Karolinne Maia; KRUEGER, R. Ronald. Three-dimensional spectral-domain OCT analysis of a prospective contralateral femtosecond LASIK study for myopia. In: AAO, Chicago, 2012. **American Academy of Ophthalmology, Subspecialty Day**, November 9, 2012.
53. ROCHA, Karolinne Maia. Comparison of scheimpflug-based corneal power in keratoconus and collagen crosslinking for keratoconus. Presented at **International Congress on Surface Ablation, Femto-Lasers & Cross-Linking**; Deer Valley, UT, July 30, 2012.
54. ROCHA, Karolinne Maia. Three-dimensional spectral domain OCT analysis in corneal collagen crosslinking. presented at **International Congress on Surface Ablation, Femto-Lasers & Cross-Linking**; Deer Valley, UT, July 29, 2012.
55. ROCHA, Karolinne Maia; XU, David; YAN, Chen; WARING IV, George O.; STULTING, R. Doyle; DUPPS, William J. Three-dimensional spectral domain OCT analysis of corneal architecture and epithelial thickness profile in corneal collagen crosslinking. **ARVO Annual Meeting**, May 6, 2012, Fort Lauderdale, Florida.
56. YAN, Chen; XU, David; ROCHA, Karolinne Maia; WARING IV, George O.; STULTING R. Doyle, DUPPS, William J. Comparison of epithelial, stromal and total corneal volume in keratoconus and normal eyes using optical coherence tomography. **ARVO Annual Meeting**, May 6, 2012, Fort Lauderdale, Florida.
57. ROCHA, Karolinne Maia; ROY, Abhijit Sinha; WARING IV, George O.; DUPPS, William J. Comparison of multiple scheimpflug-based corneal power measures before and after collagen crosslinking for keratoconus. In: ASCRS, Chicago, 2012. **American Society of Cataract and Refractive Surgery**, April 20-24, 2012.
58. ROCHA, Karolinne Maia; ROY, Abhijit Sinha; WARING IV, George O.; DUPPS, William J. Comparison of multiple scheimpflug-based corneal power measures before and after collagen crosslinking for keratoconus. In: AAO, Orlando, FL, 2011. **American Academy of Ophthalmology, Subspecialty Day Meeting of the International Society of Refractive Surgery (ISRS)**, October 21-22, 2011.

59. ROCHA, Karolinne Maia. Enhanced screening for ectasia and its susceptibility: role of corneal topography and biomechanical characterization. Presented at **International Congress on Surface Ablation, Femto-Lasers & Cross-Linking**; Deer Valley, UT, September 31, 2011.
60. ROCHA, Karolinne Maia; RANDLEMAN, J. Bradley; STULTING, R. Doyle. Fourier-domain OCT analysis of tissue remodeling in corneal collagen crosslinking. In: ASCRS, San Diego, 2011. **American Society of Cataract and Refractive Surgery**, March 26-28, 2011.
61. ROCHA, Karolinne Maia; RANDLEMAN, J. Bradley; STULTING, R. Doyle. Fourier-domain OCT analysis in corneal collagen crosslinking. In: AAO, Chicago, 2010. **American Academy of Ophthalmology, Subspecialty Day**, October 15-16, 2010.
62. ROCHA, Karolinne Maia. Ocular response analyzer keratoconus probability risk score in normal, suspect, keratoconus, and ectasia following LASIK. In: AAO, Chicago, 2010. **American Academy of Ophthalmology, Subspecialty Day**, October 15-16, 2010.
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