

Brent Allen Kramer, MD

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Education

- 2021-2022 Duke University Eye Center
2351 Erwin Road
Durham, NC 27705
- Cornea, External Disease, and Refractive Surgery Fellowship
- 2018-2021 University of North Carolina
5158B Bioinformatics Bldg CB #7040
Chapel Hill, NC 27599-7040
- Ophthalmology Residency
- 2017-2018 University of South Dakota Sanford School of Medicine
1400 W. 22nd street
Sioux Falls, SD 57107
(605) 357-1386
- Transitional Year Residency
- 2013-2017 University of Iowa Roy J. and Lucille A. Carver College of Medicine
375 Newton Road
Iowa City, IA 52242
(319) 335-8435
- Doctor of Medicine
 - Research Distinction Track
- 2009-2013 South Dakota State University
100 Administration Lane
Brookings, SD 57006
(800) 952-3541
- Bachelor of Science in Biology
 - Minors: Chemistry and English
 - Summa Cum Laude
- 2007-2009 Hills-Beaver Creek High School
PO Box 547
301 North Summit Avenue
Hills, MN 56138
(507) 962-3240
- High School Diploma
 - Valedictorian

Work Experience

- 2021-2022 VA Hospital (Durham, NC)
Physician Teacher (staffing resident clinic and surgery)
Supervisor: Kelly Muir, MD
- 2014 Vance Thompson Vision
Research Assistant
Supervisor: John Berdahl, MD
- 2012-2013 ADVANCE
Support Professional

	Supervisor: Jackie Turner
2012-2013	SDSU MCAT Prep Course Teacher Supervisor: Greg Heiberger, PhD
2012-2013	Myofilament Biochemistry Lab (John Robinson MD PhD) Research Assistant Supervisor: Maria Moutsoglou
2010-2013	Wintrobe Tutoring Program Certified Tutor Supervisor: Linde Murray <ul style="list-style-type: none"> Tutored general biology, general chemistry, human anatomy, and physiology in both small and large group settings.
2011	South Dakota State Physiology Lab Teaching Assistant Supervisor: Henry Kayongo-Male, PhD
2006-2007	Nobles County Review Staff Journalist
2003-2009	David Kramer Custom Large Square Baling Manager Supervisor: David Kramer

Peer Reviewed Publications

Michael D. Greenwood, MD, Jake W. Hutchinson, BS, Richard A Gorham, PhD, **Brent A. Kramer, MD**. **The use of intraoperative aberrometry in normal eyes: an analysis of intraocular lens selection scenarios of disagreement.** *Journal of Refractive Surgery* (accepted; pending revision)

Brent A. Kramer, MD, Neel Patel, David R. Hardten, MD, FACS, John P. Berdahl, MD. **Trends in over and under correction of astigmatism: a testament to posterior corneal astigmatism.** *Journal of Cataract and Refractive Surgery*. (pending submission)

Brent A. Kramer, MD, John P. Berdahl, MD, Xiaolin Gu, MD, Mohinder Merchea, OD, PhD. **Real world incidence of monofocal toric IOL repositioning: an analysis of the American Academy of Ophthalmology IRIS registry.** *Journal of Cataract and Refractive Surgery*. 2022 (PMID: 34415862)

Jennifer L. Patnaik, PhD, Malik Y. Kahook, MD, John P. Berdahl, MD, Brandie D. Wagner, PhD, Leonard K. Seibold, MD, **Brent A. Kramer, MD**. **The association between axial length and toric intraocular lens rotation according to an online toric back-calculator.** (accepted; pending publication)

Karl Stonecipher, Kody Stonecipher, Megan Stonecipher, **Brent Kramer**. **Current treatments for meibomian gland dysfunction and eye lid margin disease.** *Acta Scientific Ophthalmology*. 2021.

Brent A. Kramer, MD, David R. Hardten, MD, FACS, John P. Berdahl, MD. **Rotation characteristics of three monofocal toric intraocular lenses.** *Clinical Ophthalmology*. 2020 (PMID: 33364742)

John P. Berdahl, MD, David R. Hardten, MD, FACS, **Brent A. Kramer, MD**, Richard Potvin, OD. **Effects of astigmatism on visual acuity after multifocal versus monofocal**

intraocular lens implantation. *Journal of Cataract and Refractive Surgery.* 2018 (PMID: 30243393)

Richard Potvin, OD, **Brent A. Kramer, MD**, David R. Hardten, MD, FACS, John P. Berdahl, MD. **Factors associated with residual astigmatism after toric intraocular lens implantation reported in an online toric intraocular lens back-calculator.** *Journal of Refractive Surgery.* 2018. (PMID: 29889288)

John P. Berdahl, MD, David R. Hardten, MD, FACS, **Brent A. Kramer, BS**, Richard Potvin, OD. **The effect of lens sphere and cylinder power on residual astigmatism and its resolution after toric intraocular lens implantation.** *Journal of Refractive Surgery.* 2017. (PMID: 28264129)

Richard Potvin, OD, **Brent A. Kramer, BS**, David R. Hardten, MD, FACS, John P. Berdahl, MD. **Toric intraocular lens orientation and residual refractive astigmatism: an analysis.** *Dove Clinical Ophthalmology.* 2016. (PMID: 27703323)

Brent A. Kramer, BS, John P. Berdahl, MD, David R. Hardten, MD, FACS, Richard Potvin, OD. **Residual astigmatism after toric intraocular lens implantation: analysis of data from an online intraocular lens back-calculator.** *Journal of Cataract and Refractive Surgery.* 2016. (PMID: 27956286)

Christopher N. Treinen, Lee J. Opdahl, **Brent A. Kramer**, Brody D. Slostad. **Adhesive arachnoiditis in a caucasian female cadaver.** *International Journal of Anatomical Variations,* 2013(6), 218-220.

Steve C. Wu, PhD, Tanya A. Baldwin, **Brent A. Kramer**, Tyrel R. Deutcher, John M. Robinson, MD, PhD. **Effects of Nitrosation on Cardiac Myocyte Shortening.** *Biophysical Journal.* Volume 104, Issue 2, January 2013. (DOI: <https://doi.org/10.1016/j.bpj.2012.11.1745>)

Book Chapters

Brent A Kramer, MD. Toric IOLs and Managing Residual Astigmatism. In Pardiante, G. *Intraocular Lens Calculation.* Cambridge Scholars Publishing, United Kingdom. 202x (in process)

Brent A. Kramer, MD, Mitch Ibach, OD. Question xx. In Hardten DR, et al. *Curbside Consultation in Cornea & External Disease: 49 Clinical Questions.* SLACK incorporated, Thorofare, New Jersey. 201x (in process)

Brent A. Kramer, MD, John P. Berdahl, MD. **Femtosecond Laser Astigmatism Management.** In Waring IV, GO and Rocha, KM, *Femtosecond Laser in Cornea and Lens Surgery (Ed. 1).* SLACK incorporated, Thorofare, New Jersey, Chapter 4, 2020 (ISBN: 9781630915122)

David R. Hardten, MD, FACS, John P. Berdahl, MD, **Brent A. Kramer, MD.** **Correcting Astigmatic Surprises Following Toric Intraocular Lens Implantation.** In Azar DT, Alio JL, Cortina MS, Hallak JA *Surgical Management of Astigmatism (Ed. 1).* Jaypee Brothers Medical Publishers Ltd. New Delhi, India. Chapter 16, 2019 (ISBN: 9789389188851)

David R. Hardten, MD, FACS, **Brent A. Kramer, BS**, John P. Berdahl, MD. **Prevention Pearls and Damage Control: Residual Astigmatism with Toric Intraocular Lenses.** In Fishkind, William J, *Phacoemulsification and Intraocular Lens Implantation: Mastering Techniques and Complications in Cataract Surgery (Ed. 2),* Thieme Medical Publishers, New York, Chapter 51, 2017. (ISBN: 9781626231290)

John P. Berdahl, MD, David R. Hardten, MD, FACS, **Brent A. Kramer, BS. Residual Astigmatism after Toric IOLs.** In Randleman B, Ahmed I. *Intraocular Lens Surgery: Selection, Complications, and Complex Cases*, Thieme Medical Publishers, New York, Chapter 11, 2016. (ISBN: 9781626231141)

Presentations

Brent A. Kramer, MD. Neurotrophic Keratopathy in Complex Regional Pain Syndrome. 2022. Cornea Society University Journal Club. *Virtual Grand Rounds Presentation.*

Brent A. Kramer, MD, David R. Hardten, MD, FACS, John P. Berdahl, MD. **Misalignment Tolerability of Two Toric IOLs.** 2021. American Society of Cataract and Refractive Surgery Symposium & Congress. *Podium Presentation **Best Paper of Session***

Brent A. Kramer, MD, David R. Hardten, MD, FACS, John P. Berdahl, MD. **Residual Astigmatism After Toric IOL Placement: An Update in Rotational Trends.** 2021. American Society of Cataract and Refractive Surgery Symposium & Congress. *Podium Presentation*

Brent A. Kramer, MD, Keeley Boever-Puls, Michael D. Greenwo, MD. **Refractive Outcomes Following Cataract Surgery: Comparing Modern Formulas and Intraoperative Aberrometry in Normal Eyes.** 2021. American Society of Cataract and Refractive Surgery Symposium & Congress. *Podium Presentation*

Brent A. Kramer, MD, David R. Hardten, MD, FACS, John P. Berdahl, MD. **Residual Astigmatism After Toric IOL Placement: An Update in Rotational Trends.** 2020. American Society of Cataract and Refractive Surgery Symposium & Congress (virtual). *Podium Presentation (recorded)*

Brent A. Kramer, MD, David R. Hardten, MD, FACS, John P. Berdahl. **Trends of Under and Over Correction of Astigmatism with toric IOLs According to a Toric Back Calculator.** 2020. American Society of Cataract and Refractive Surgery Symposium & Congress (virtual). *Podium Presentation (recorded)*

Brent A. Kramer, MD, John P. Berdahl, MD, Xiaolin Gu, MD, Alvin S. Relucio, MD, Mohinder Merchea, OD, PhD. **Incidence of Monofocal Toric IOL Repositioning: Analysis of the AAO Iris Registry.** 2019. American Academy of Ophthalmology. *Podium Presentation*

Kramer BA, Hardten DR, Berdahl JP. **The Potential Benefits of Low Powered Torics.** 2019. American Academy of Ophthalmology. *Podium Presentation*

Brent A Kramer, MD, Daniel C. Terveen, MD, Xialoin Gu, MD, Alvin S. Relucio, MD, Mohinder Merchea, OD, PhD. **Description of Retrospective Electronic Health Record-Based Registry Study to Correlate Toric IOL Biomechanics with Repositioning Incidence.** 2019. American Academy of Ophthalmology. *Poster Theatre*

Brent A Kramer, MD, David R. Hardten, MD, FACS, John P. Berdahl, MD. **Residual Astigmatism After Toric IOL Placement: An Update on Rotational Trends.** 2019. American Society of Cataract and Refractive Surgery Symposium & Congress. *Podium Presentation*

Brent A. Kramer, MD. What are the Odds?. 2019 Glaucoma Tri-Residency Annual Meeting. *Podium Presentation.*

Brent A. Kramer, MD, Richard Potvin, OD, David R. Hardten, MD, FACS, John P. Berdahl, MD. **Residual Astigmatism After Toric IOL Placement: Astigmatism Fix**

Data Analysis. 2018. North Carolina Society of Eye Physicians and Surgeons Annual Meeting. *Poster Presentation. (Third Place)*

Brent A. Kramer, BS, John P. Berdahl, MD, David R. Hardten, MD, FACS, Richard Potvin, OD. **Apparent Surgically Induced Astigmatism in Toric IOL Patients.** 2018. American Society of Cataract and Refractive Surgery Symposium & Congress. *Podium Presentation*

Brent A. Kramer, BS, Daniel C. Terveen, MD, Thomas A. Oetting, MD. **Barrett vs. AcrySof toric IOL calculators: a testament to posterior corneal astigmatism.** 2017 Millennial Eye LIVE. *Poster presentation.*

Brent A. Kramer, BS, Daniel C. Terveen, MD, Thomas A. Oetting, MD. **Barrett vs. AcrySof toric IOL calculators: a testament to posterior corneal astigmatism.** 2017 American Society of Cataract and Refractive Surgery Symposium & Congress. *Podium Presentation*

Brent A. Kramer, BS, John P. Berdahl, MD, David R. Hardten, MD, FACS, Richard Potvin, OD. **Residual Refractive Astigmatism After Toric Intraocular Lens Implantation: an analysis by lens type.** 2016 American Academy of Ophthalmology. *Podium Presentation*

Brent A. Kramer, BS, John P. Berdahl, MD, David R. Hardten, MD, FACS, Richard Potvin, OD. **Residual Astigmatism After IOL Placement: Platform and Rotational Trends.** 2016 American Society of Cataract and Refractive Surgery Symposium & Congress. *Podium Presentation*

Brent A. Kramer, BS. **Managing Residual Astigmatism after a Toric IOL.** 2016 University of Iowa Carver College of Medicine Ophthalmology and Visual Sciences Grand Rounds. *Podium Presentation*

Brent A. Kramer, BS, Chase A. Liaboe, BS. **Hospice Donation in Iowa: Making a Difference in Death.** 2015 Hospice and Palliative Care Association on Iowa Fall Conference. *Podium Presentation*

Brent A. Kramer, MD. **Residual Astigmatism After Toric IOL Placement.** 2015 University of Iowa Carver College of Medicine Medical Student Research Day. *Oral Presentation*

Brent A. Kramer, BS, David R. Hardten, MD, FACS, John P. Berdahl, MD. **Residual Astigmatism After Toric IOL Placement.** 2014 American Academy of Ophthalmology. *Oral Presentation*

Brent A. Kramer. **Introducing Fluorescently Labeled Troponin into Live Cardiomyocytes.** 2013 SDSU Undergraduate Research, Scholarship, and Creative Activity Day. *Poster presentation*

Brent A. Kramer, Christopher N. Treinen. **Honors and Human Anatomy.** 2012 National Honors Conference. *Poster presentation*

Brent A. Kramer, Tyrel R. Deutscher, BS, Maria E. Moutsoglou, BS, John M. Robinson, MD, PhD. **A novel method for introducing fluorescently labeled troponin C into live cardiomyocytes.** 2012 Myofilament proteins as structural scaffolds and mediators of functions. *Poster presentation*

Brent A. Kramer. **Anatomy of the Human Eye.** 2012 SDSU Human Anatomy (Biol:221). *Oral Lecture*

Brent A Kramer, Christopher N. Treinen. **Honors and Human Anatomy**. 2012 Upper Midwest Regional Honors Conference. *Oral presentation*

Panels

Millennial Eye LIVE 2016. **Where do we go now?**

Other Publications

Brent A. Kramer. **Mind the Gap**. *Millennial Eye*. 2017

Brent A. Kramer, BS, Aaron M. Ricca, MD, Elaine M. Binkley, MD, H. Culver Boldt. **Coats Disease** *Eyerounds.org* July 2016

Brent A. Kramer, BS, Myers LA, Kardon RH, Wall M. **Cerebral Cavernomas: A Cause of One-and-a-Half Syndrome**. *Eyerounds.org*. June 2016.

Honors and Awards

- 2022 Ocular Surface Disease Saves Photo Contest Winner (Neurotrophic Keratopathy in Complex Regional Pain Syndrome)
- 2021 Arthur C. Chandler Outstanding Resident as Teacher (*University of North Carolina*)
- 2020-2021 Chief Resident: University of North Carolina Ophthalmology
- 2020 ASCRS Foundation Resident Excellence Award (Research)
- 2016 Otilie Incentive Stipend Essay Winner
- 2013 SDSU Honors College Excellence in Professional Preparation
- 2009-2013 SDSU Dean's List
- 2009-2013 SDSU Blue and Yellow Scholarship
- 2010 Brookings Marathon Finisher
- First in division
- 2009 Hills-Beaver Creek Valedictorian
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Grants

- 2021 IIT: The use of Eysuvis to optimize dry eye disease before cataract surgery (*Kala Pharmaceuticals*)
- 2019 IIT: Astigmatism over-correction with toric IOLs and the need for a true low-power toric in the U.S. (*Alcon*)
- 2019 IIT: Residual Astigmatism after Toric IOL Placement: An Update on Rotational Trends (*Alcon*)
- 2016 Barry Freeman Global Health Fellowship
- 2012 Honors Academic and Scholarly Excellence Grant
- 2012 Biological Control and Analysis by Applied Photonics Grant

Certifications

- 2011-2013 National Registry of Emergency Medical Technicians
- EMT-Basic (3/31/11 – 3/31/13)
 - Registry No. B2050811
- 2010 College of Reading and Learning Association
- Tutor Certification: Level III

Professional Associations

- 2019-present Refractive Surgery Alliance Society
- Resident liaison of Resident Lecture Series
- 2018-present American Academy of Ophthalmology
- 2018-present American Society of Cataract and Refractive Surgeons
- 2013-2017 CCOM Christian Medical Association
- 2013-2017 CCOM Ophthalmology Interest Group
- Co-president (2016-2017)
- 2013-2015 CCOM Community Health Outreach
- 2009-2013 SDSU Honors College
- Graduated with Honors Distinction
- 2011-2013 SDSU CRU
- Training Team (2011-2012)
 - Worship Team (2011-2013)
 - Action Group (2012-2013)
 - Movement Team (2012-2013)
- 2009-2013 SDSU Pre-Professional Science Club
- President (2011-2012)
 - Secretary (2010-2011)
- 2010-2017 American Medical Student Association
- National and Local Membership
- 2011 SDSU Human Anatomy Program
- Internship
 - Dissection Team

Community Service

- 2020-2021 Operation Sight (ASCRS Foundation)
- Review records for program manager
- 2016 Himalayan Health Exchange
- Conducted free medical clinics in rural India on a backpacking trip above the Himalayan treeline.
- 2015-2016 Iowa Lions Eye Bank
- Donor Relations Management

- 2015-2017 Iowa City Free Medical Clinic
- Volunteer
- 2014-2017 ReSpectacle
- Iowa City Site Officer (2015-2017)
- 2013-2015 Children's Center for Therapy
- 2012 International Mission Trip: Guatemala
- personally led a team of 6 individuals to Guatemala to construct a church in a village near Semuc Champey.
- 2012 Chicago Cares Day of Service
- 2011-2012 Nick's Burger and Bun Run
- Founder
- 2011 International Mission Trip: Guatemala
- co-led a team of 4 individuals to Guatemala to construct a church in a village near Lanquin.
- 2010 Brookings County Youth Mentoring
- 2009 International Mission Trip: Guatemala
- Part of 19-member team; led children ministries in Guatemala City and Chisec.
-