

John Palmer Berdahl M.D.

Vance Thompson Vision
 3101 W 57th St
 Sioux Falls SD, 57108
 605-361-3937
johnberdahl@gmail.com

Employment		
2009-Present	Vance Thompson Vision Associate Professor of Ophthalmology Sanford School of Medicine Cataract, Refractive, Glaucoma and Corneal Surgeon	Sioux Falls, SD
	Dakota Lions Eye Bank Medical Director	Sioux Falls SD
Education		
2008-2009	Minnesota Eye Consultants (Richard Lindstom, David Hardten, Thomas Samuelson, Elizabeth Davis) Fellowship in Cornea, External Disease, Glaucoma, and Refractive Surgery	Minneapolis, MN
2005-2008	Duke University Residency Training in Ophthalmology	Durham, NC
2004-2005	Mayo Graduate School of Medicine Transitional Internship Year	Scottsdale, AZ
2000 – 2004	Mayo Medical School Doctor of Medicine	Rochester, MN
1995 – 1999	Augustana College B.A., Physics, Summa Cum Laude Minor: Chemistry, Biology	Sioux Falls, SD
1991 – 1995	Hills-Beaver Creek High School Valedictorian	Hills, MN
Licensure		
2009	South Dakota #7529	

Honors, Awards, and Grants

2018	Top 100 Most Influential People in Ophthalmology Worldwide – The Ophthalmologist
2018	Teacher of the Year – Sanford School of Medicine – Transitional Year Residents
2018	Speaker of the Day – Royal Hawaiian Eye Meeting
2017	#3 Ophthalmologist under 50 Worldwide – The Ophthalmologist
2017	Named Lecture – University of Colorado

2016	NASA/NSBRI Grant – Safety of Pressure Manipulation around Eye
2016	ASCRS Innovators Lecture
2015	Member of the Vision for Mars Team NASA/NSBRI
2015	Best of Best Papers ASCRS 2015 ASCRS Sclerally Fixated Akreos Lens
2015	Best Paper of Session ASCRS Sclerally Fixated Akreos Lens
2015	Top 40 Ophthalmologists under 40, The Ophthalmologist, World Wide Award
2015	Top 40 Business People under 40, Dakota Business News, Midwest Award
2013	American Academy of Ophthalmology Achievement Award
2013	#1 Young Outstanding Physician South Dakota State Medical Association
2011	Augustana College Thought Leader Augustana College
2011	Horizon Award (Most Accomplished Young Alumnus) Augustana College
2011	American Medical Association RFS Research Award America Medical Association
2010	Vanguard Ophthalmology Society Founding Member
2008	Claes Dohlman Award (Most Outstanding Cornea Fellow), National Award
2008	Robert Machemer Research Award, Duke University
2008	ICER Travel Fellowship, International Society of Eye Research
2008	Discussion Paper, International Glaucoma Review
2008	Resident Teacher of the Year, Duke University
2008	Edward Isbey III, Resident of the Year Award, Duke University
2008	Grant to study CSF pressure in Glaucoma, Research to Prevent Blindness Grant
2007	Ophthalmology Times Resident Writer’s Award First Place, Ophthalmology Times
2007	Grant to study CSF pressure in Glaucoma, Research to Prevent Blindness Grant
2007	Robert Machemer Research Award, Duke University
2007	Best of Retina in EyeNet 2006-7, EyeNet Magazine
2006	Poster of Interest, ASCRS National Meeting
2004	ARVO Travel Award, National Eye Institute
2004	Hoffman Award, Mayo Medical School
2000 – 2004	Peterson Merit Scholar, Mayo Medical School
1998 – 1999	Blue Key, National Honor Society, Augustana College
1998	Blue Key Scholar, Augustana College
1997	Sophomore Honors Scholar, Augustana College
1995	Science Day Scholar, Augustana College

Peer Reviewed Publications

Berdahl JP, Allingham RR, Johnson DH. CSF pressure is Lower in Primary Open Angle Glaucoma. *Ophthalmology*. 115:763–768, May 2008

Berdahl JP, Allingham RR, Johnson DH. **CSF pressure is Lower in Primary Open Angle Glaucoma**. Selected for *International Glaucoma Review* Dialogue Section 2008

[Curr Opin Ophthalmol](#). 2017 Jan;27 Suppl 1:3-47. doi: 10.1097/01.icu.0000512373.81749.b7.

Dysfunctional tear syndrome: dry eye disease and associated tear film disorders - new strategies for diagnosis and treatment.

[Milner MS](#)¹, [Beckman KA](#), [Luchs JI](#), [Allen QB](#), [Awdeh RM](#), [Berdahl J](#), [Boland TS](#), [Buznego C](#), [Gira JP](#), [Goldberg DF](#), [Goldman D](#), [Goyal RK](#), [Jackson MA](#), [Katz J](#), [Kim T](#), [Majmudar PA](#), [Malhotra RP](#), [McDonald MB](#), [Rajpal RK](#), [Raviv T](#), [Rowen S](#), [Shamie N](#), [Solomon JD](#), [Stonecipher K](#), [Tauber S](#), [Trattler W](#), [Walter KA](#), [Waring GO 4th](#), [Weinstock RJ](#), [Wiley WF](#), [Yeu E](#).

Kindle T, Greenwood M, Ibach M, Schweitzer J, Sudhagoni R, Berdahl J. The role of corneal hysteresis in predicting outcomes in glaucoma patients undergoing trabecular micro bypass stent in combination with cataract surgery. *South Dakota Medicine* 2018; 71:158-163.

Analysis of Cerebrospinal Fluid Pressure Estimation using Formulae Derived from Clinical Data - Fleishman, Berdahl IOVS. Accepted

Efficacy and Safety of Sustained Release Dexamethasone for the Treatment of Ocular Pain and Inflammation after Cataract Surgery: Results from Two Phase 3 Studies

Greenwood, M. & Berdahl, Cerebrospinal fluid pressure in glaucoma J. *Curr Ophthalmol Rep* (2016). doi:10.1007/s40135-016-0110-3

Ferguson, Berdahl, etc. IStent vs iStent ECP. *JCRS*

Article: Implantation of Two Second-Generation Trabecular Micro-Bypass Stents and Topical Travoprost in Open-Angle Glaucoma Not Controlled on Two Preoperative Medications: 18-Month Follow-Up
Journal: *Clinical & Experimental Ophthalmology*

Trevor Kindle Me and others. Safety and Efficacy of Intravitreal Injection of Steroid and Antibiotic in the Setting of Cataract Surgery and Trabecular Microbypass Stent

Tanner J. Ferguson, Russell Swan, Ramu Sudhagoni, **John P. Berdahl**, Microbypass stent implantation with cataract extraction and endocyclophotocoagulation versus microbypass stent with cataract extraction for glaucoma, *Journal of Cataract & Refractive Surgery*, Volume 43, Issue 3, March 2017, Pages 377-382, ISSN 0886-3350,

Thompson VM, **Berdahl JP**, Solano JM, Chang DF. Comparison of Manual, Femtosecond Laser, and Precision Pulse Capsulotomy Edge Tear Strength in Paired Human Cadaver Eyes. *Ophthalmology*. 2015 Dec 16. pii: S0161-6420(15)01196-3. doi: 10.1016/j.ophtha.2015.10.019. [Epub ahead of print] PubMed PMID: 26707416.

Hardten DR, Fahmy MM, Vora GK, **Berdahl JP**, Kim T. Fibrin adhesive in conjunction with epithelial ingrowth removal after laser in situ keratomileusis: long-term results. *J Cataract Refract Surg*. 2015 Jul;41(7):1400-5. doi: 10.1016/j.jcrs.2014.10.031. PubMed PMID: 26287878.

Berdahl JP. December consultation #3. *J Cataract Refract Surg*. 2015 Jan;41(1):241; discussion 246. doi: 10.1016/j.jcrs.2014.11.021. PubMed PMID: 25532653.

Berdahl JP. January consultation # 6. *J Cataract Refract Surg*. 2014 Jan;40(1):164-5; discussion 165. doi: 10.1016/j.jcrs.2013.10.025. PubMed PMID: 24355735.

Berdahl JP, Jensen MP. The business of refractive laser assisted cataract surgery (ReLACS). *Curr Opin Ophthalmol*. 2014 Jan;25(1):62-70. doi: 10.1097/ICU.000000000000014. Review. PubMed PMID: 24310375.

Fleischman D, **Berdahl JP**. Posterior scleral biomechanics and the translaminar pressure difference. *Int Ophthalmol Clin*. 2014 Winter;54(1):73-94. doi: 10.1097/IIO.0b013e3182aabef4. Review. PubMed PMID: 24296373.

Fleischman D, **Berdahl JP**, Fautsch MP, Chesnutt DA, Allingham RR. Increasing intraocular pressure as treatment for papilledema. *Exp Eye Res*. 2013 Oct;115:278. doi: 10.1016/j.exer.2012.09.008. PubMed PMID: 24099064.

Berdahl JP. Systemic parameters associated with cerebrospinal fluid pressure. *J Glaucoma*. 2013 Jun-Jul;22 Suppl 5:S17-8. doi: 10.1097/IJG.0b013e31829349fc. Review. PubMed PMID: 23733117.

Fleischman D, **Berdahl JP**, Zaydlarova J, Stinnett S, Fautsch MP, Allingham RR. Cerebrospinal fluid pressure decreases with older age. *PLoS One*. 2012;7(12):e52664. doi: 10.1371/journal.pone.0052664. Epub 2012 Dec 26. PubMed PMID: 23300737; PubMed Central PMCID: PMC3530461.

Berdahl JP, Yu DY, Morgan WH. The translaminar pressure gradient in sustained zero gravity, idiopathic intracranial hypertension, and glaucoma. *Med Hypotheses*. 2012 Dec;79(6):719-24. doi: 10.1016/j.mehy.2012.08.009. Epub 2012 Sep 14. PubMed PMID: 22981592.

Berdahl JP, Hardten DR. Residual astigmatism after toric intraocular lens implantation. *J Cataract Refract Surg*. 2012 Apr;38(4):730-1; author reply 731-2. doi: 10.1016/j.jcrs.2012.01.018. PubMed PMID: 22440449.

Berdahl JP, Fleischman D, Zaydlarova J, Stinnett S, Allingham RR, Fautsch MP. Body mass index has a linear relationship with cerebrospinal fluid pressure. *Invest Ophthalmol Vis Sci*. 2012 Mar 15;53(3):1422-7. doi: 10.1167/iovs.11-8220. Print 2012 Mar. PubMed PMID: 22323469; PubMed Central PMCID: PMC3339912.

Berdahl JP, Fautsch MP, Stinnett SS, Allingham RR. **Intracranial Pressure in Primary Open Angle Glaucoma and Normal Tension Glaucoma and Ocular Hypertension: A**

Case Control Study. *Investigative Ophthalmology and Visual Science.* 2008 Dec;49(12):5412-8

Berdahl JP, Allingham RR. Intracranial pressure and glaucoma. *Curr Opin Ophthalmol* 2010;21:106–111.

Berdahl JP, Ethier CR, Allingham RR. Cerebrospinal fluid pressure and glaucomatous optic disc cupping. *Graefe's Archive for Clinical and Experimental Ophthalmology* 2009;247:1289–1290.

Berdahl JP, Ethier CR, Allingham RR. Cerebrospinal fluid pressure and glaucomatous optic disc cupping. *Graefes Arch Clin Exp Ophthalmol* 2009;247:1289–90– author reply 1291–4.

Berdahl JP, Allingham RR. Cerebrospinal fluid pressure may play a role in reversal of cupping after glaucoma surgery. *AJOPHT* 2009;148:623–4– author reply 624–5.

Berdahl JP, Hardten DR. Residual astigmatism after toric intraocular lens implantation. *J Cataract Refract Surg* 2012;38:730.

Berdahl JP, Johnson CS, Proia AD, Grinstaff MW, Kim T. A Dendritic Adhesive vs. Sutures to Repair Corneal Lacerations: A Prospective Experiment in Chickens. Manuscript accepted to *Archives of Ophthalmology* (July 2008)

Berdahl JP, DeStafeno JJ, Kim T. Corneal Wound Architecture and Integrity after Phacoemulsification: Evaluation of Coaxial, Microincisional Coaxial, and Microincisional Bimanual Techniques. *Journal of Cataract and Refractive Surgery.* 33 (3):510-515, Mar 2007

Berdahl JP, Jun B, DeStafeno JJ, Kim T, Comparison of the OZil Torsional Handpiece Through Microincisional and Standard Clear Corneal Cataract Wounds. *Journal of Cataract and Refractive Surgery.* 34 (12):2091-5, Dec 2008

Berdahl JP. Cataract Surgery to Lower Intraocular Pressure. *Middle East African Journal of Ophthalmology* 16 (3) July-September 2009 pp119-122

Hardten DR, Fahmy MM, **Berdahl JP, Kim T. Fibrin Adhesive to Reduce Recurrence of Epithelial Ingrowth after Laser in-situ Keratomileusis.** Manuscript submitted to JCRS

Berdahl JP, Carlson AN. Corneal Implants for Treatment of Ectasia Treatment after Radial Keratotomy. *Techniques in Ophthalmology* 6(3)September 2008pp 72-71

Suner IJ, Cebulla CM, **Berdahl JP, Halibis J. Corneal Anterior Chamber Deepening by Sutureless Vitrectomy for Complex Phacoemulsification Surgery.** Submitted for Publication in *Archives of Ophthalmology.*

Jun B, **Berdahl JP, Kuo AN, Cummings, TJ, Kim T. Corneal Wound Architecture and Integrity after OZil and Standard Phacoemulsification: Evaluation of Standard Coaxial and Microincisional Coaxial Techniques** Accepted to OSLI

Jun B, **Berdahl JP, Kim T. Thermal study of Longitudinal and Torsional Ultrasound Phacoemulsification: Tracking the Temperature of Corneal surface, Incision and Handpiece** Accepted for publication in *Journal of Cataract and Refractive Surgery*

Etter J, **Berdahl JP**, Jun B, Kim T. **Comparison of Corneal Incision Architecture and Integrity using a Metal or Silicon Keratome.** Manuscript Submitted to Journal of Cataract and Refractive Surgery

Berdahl, JP, Pockaj BA, Gray RJ, Casey WJ, Woog JJ. **Optimal Management and Challenges in Treatment of Upper Facial Melanoma.** Annals of Plastic Surgery. 57(6):616-620, Dec 2006.

Berdahl JP, Leske DA, Fautsch MP, Lanier WL, Holmes JM. **Effect of Bicarbonate on Retinal Vasculature and Acidosis-induced Retinopathy in the Neonatal Rat.** Graefes Arch Clin Exp Ophthalmol. 243(4):367-73. Apr 2005.

Leske DA, Wu J, Fautsch MP, Karger RA, **Berdahl JP**, Lanier WL, Holmes JM. **The Role of VEGF and IGF-1 in a Hypercarbic Oxygen-induced Retinopathy Rat Model of ROP.** Molecular Vision 10:43-50, Jan 2004.

Berdahl JP, Vander Lugt, K. **Magnetically Driven Chaotic Pendulum.** American Journal of Physics. 69(9): 1016-1019. Sept 2001.

Book Editorships

Essentials of Glaucoma Surgery Publication 2013 ISBN 13 978-1-61711-012-2

Book Chapters and Publications

**** If a Patient Has Residual Astigmatism After I Implant a Toric IOL on Postoperative Day 1, What Should I Do? *Curbside Consultation in Refractive and Lens-Based Surgery* by Henderson & Yoo.**

**** Complications in Phacoemulsification and IOL Implantation, 2nd Edition edited by Dr. William Fishkind by November 10th. Prevention Pearls and Damage Control. Part 4. Residual Astigmatism Following Toric IOLs
By David R. Hardten MD, FACS, Brent Kramer, and John P. Berdahl MD**

**** *"Intraocular Lens Surgery"* edited by Drs. J. Bradley Randleman and Iqbal Ike K. Ahmed. Chapter 11: Managing Residual Astigmatism After Toric IOLs Brent Kramer, David Hardten, John Berdahl**

****Focal Points – Refractive enhancements after cataract surgery
Corneal Hysteresis in Glaucoma Patients Greenwood Schweitzer Berdahl
Cynthia Roberts book**

*****Aberometry Book Chapter**** Me and Solano.**

COST-COMPARISON OF TWO TRABECULAR MICRO-BYPASS STENTS VERSUS SELECTIVE LASER TRABECULOPLASTY OR MEDICATIONS ONLY FOR INTRAOCULAR PRESSURE CONTROL FOR PATIENTS WITH OPEN-ANGLE GLAUCOMA

Berdahl JP, Cataract Surgery as a MIGS Procedure Book Chapter *MIGS Advances in Glaucoma Surgery* 1st Edition Kahook B. 87-92 2014

Berdahl JP, Vann RR. Cataract Surgery: Preoperative Evaluation Book Chapter. *Essentials of Cataract Surgery*. 2nd Edition Henderson B. 9-18. December 2013.

Berdahl JP Correcting Residual Astigmatism After the Implantation of a Toric IOL Cataract and Refractive surgery today June 2012

Berdahl JP Topography Guided Refractive Surgery Advanced Ocular Care December 2011

Berdahl JP, Vance Thompson, Alison Tendler Evaluating Femtosecond Technology for your practice Laser Refractive Cataract Surgery April 2012

Berdahl JP Wavefront Guided Lasik Book Chapter. Principles and Practices of Cornea November 2012

Berdahl JP Astigmatism correction with Lasik Book Chapter. Principles and Practices of Cornea November 2012

Berdahl JP Femtosecond Capsulotomies Book Chapter. Principles and Practices of Cornea November 2012

Berdahl JP, Samuelson TW Cataracts and Visual Axis Opacities Book Chapter. Operative Complications in Glaucoma March 2013

Berdahl JP, Allingham RR. Intracranial Pressure in Glaucoma. Book Chapter. *Glaucoma*. Chandler and Grant.

Berdahl JP. Brain and Cerebrospinal Fluid Dynamics in Glaucoma. Book Chapter. Cerebrospinal Fluid (Book in German) September 2011

Berdahl JP. What does MIGS mean to me? *Glaucoma Today* December 2012

Berdahl JP. Phakic IOL leading to tube shunt and multiple DSEKs. *Glaucoma Today* August 2011 Vol 9 No.4 p 25-26

Berdahl JP. Cerebrospinal Fluid pressure and glaucoma *Glaucoma Today* October 2009

Berdahl JP. ReLACS – My first experience with Laser Assisted Cataract Surgery. American Academy of Ophthalmology O.N.E. Network. Available online at www.aao.org

Berdahl JP, Samuelson TW. Coincident Cataract and Glaucoma Surgery Book Chapter. *Ophthalmic Surgery*. Spaeth GL. 4th 2011

Berdahl JP, Davis EA Refractive Surgery after Premium IOL Implantation. Online Course www.aao.org

Berdahl JP CSF pressure is lower in glaucoma. Podcast
www.opthalmichyperguide.com

Berdahl JP, Allingham RR, Johnson DH. CSF pressure is Lower in Primary Open Angle Glaucoma. Podcast. *As Seen From Here.* www.asseenfromhere.com

Berdahl JP, Vann RR. Cataract Surgery: Preoperative Evaluation Book Chapter.
Essentials of Cataract Surgery. Henderson B. 9-18. May 2007.

Berdahl JP, Kuo AN, Kim T, RS Rubinfeld. Treating Unstable Corneas: Management of LASIK Flap-Correcting Irregular Astigmatism after LASIK. Book Chapter.
Irregular Astigmatism, Wang MX. 233-239. 2008

Berdahl JP, Carlson AN. Corneal Implants can be a part of Ectasia Treatment after Radial Keratotomy. *Ophthalmology Times.* 17-19. January 2008.

Berdahl JP, Mruthyunjaya P. Vitreous Hemorrhage: Diagnosis and Treatment.
Ophthalmic Pearls. *EyeNet Magazine.* 39-41 March 2007. (Selected by EyeNet editorial board for inclusion in Best of Retina in EyeNet 2006-7 and highlighted at AAO 2007 annual meeting)

Berdahl JP, Samuelson TW. Cataracts and Visual Axis Opacities. Book Chapter (In publication) *Complications of Glaucoma Surgery* Feldman RM.

Berdahl JP, Davis EA, Lindstrom RLL. When to Decide for Lens Surgery after Previous Refractive Surgery. Book Chapter (In publication) *Lens Surgery after Previous Refractive Surgery made Easy.* Goes FJ

DeStafeno JJ, **Berdahl JP, Kim T. Head-to-head: Microincision Coaxial Versus Bimanual Phaco: Assessing the Impact on Wound Architecture and Integrity.**
Ophthalmology Times Europe. September 2007

Berdahl JP, Lee JA, Bearely S. Chorioretinal Degeneration with Atypical Fundus Autofluorescence. Blink: Mystery Image. *EyeNet Magazine.* Accepted for publication 2008.

Hicks JA, Berdahl JP, Herndon LW **Glaucoma in a Patient with Spontaneous Luxation of the Globe**

Presentations

Ferguson and Berdahl – 4 glaukos presentations at ASCRS

Terveen and Berdahl – Sclerally fixated Akreos ASCRS

Kramer and Berdahl – Astigmatism fix.com data at AAO

ARVO abstract 2016– Berdahl, Radcliffe, Suhail, KDB A Novel Dual Blade Device for Goniotomy: Initial Clinical Experience

ASCRS 2017

Second Generation Trabecular Stents as a Sole procedure and Prostaglandin in patients with Open-Angle Glaucoma and Cataract 25- month follow-up

Evaluation of Trabecular Microbypass Stent with Phacoemulsification in patients with Open-angle glaucoma and Cataract - Long Term Follow up.

Outcomes of Partial Thickness Corneal Transplantation combined with trabecular Microbypass stent implantation and cataract surgery

Comparison of Visual Outcomes and Residual Refractive Cylinder of a low Toricity IOL and Accommodating IOL

Residual Astigmatism After Cataract Surgery: An Astigmatismfix Analysis

Greenwood, Berdahl iStent AGS

Greenwood M. Beckman J. Tsai G. Berdahl J. A Non-Randomized, Open-Label Study to Evaluate the Safety and Proof of Concept of Negative Pressure Applied to the Periocular Microenvironment Anterior to the Orbital using negative pressure application on the microenvironment of the eye.

Menees AA, Thomposn VM **Berdahl JP Orbscan and Ultrasound Pachymetry Measurement Comparison in Fuchs' Endothelial Dystrophy** Paper Presentation ASCRS 2012

Berdahl JP, Fleischman, Allingham, Fautsch BMI and CSF pressure. ARVO 2011 poster presentation

Fleischman, **Berdahl**, Allingham, Fautsch **BMI and CSF pressure.** ARVO 2011 poster presentation

Berdahl JP, Other factors in Normal Tension Glaucoma. American Glaucoma Society. Invited Lecture.

Berdahl JP, Lindstrom RL. Refractive power in differing optical zone of Crystalens HD April 2009. American Society of Cataract and Refractive Surgeons Annual Meeting. (Paper Presentation)

Berdahl JP, Hardten DR. **Keratometry measurements before and after DSEK** April 2009. American Society of Cataract and Refractive Surgeons Annual Meeting. (Poster Presentation)

Berdahl JP, Fautsch MP, Stinett SS, Allingham RR. CSF pressure is Lower in Primary Open Angle Glaucoma and Normal Tension Glaucoma and Elevated in Ocular Hypertension September 2008. International Congress of Eye Research-Beijing China and November 2008 American Academy of Ophthalmology (Paper Presentation)

Berdahl JP, Allingham RR, Johnson DH. CSF pressure is Lower in Primary Open Angle Glaucoma ARVO, May 2008

Berdahl JP, Carlson AN. Managing the Irregular and Unstable Post-Radial Keratotomy Cornea. . (2008) American Society of Cataract and Refractive Surgeons Annual Meeting. (Film)

Berdahl JP. CSF Pressure in Glaucoma, Jan 2008. Ophthalmology Grand Rounds. Mayo Clinic. (Invited Speaker)

Berdahl JP, Allingham RR, Johnson DH. CSF Pressure in Glaucoma. June 2007. The Robert Machemer Research Lecture. Duke University (Oral Presentation)

Jun B, **Berdahl JP, Kuo AN, Kim T. MD Corneal Wound Architecture and Integrity after OZil and Standard Phacoemulsification: Evaluation of Standard Coaxial and Microincisional Coaxial Techniques** (2007) European Society of Cataract and Refractive Surgeons Annual Meeting. (Poster Presentation)

Berdahl JP, Jun B, DeStafeno JJ, Kuo AN, Kim T. Comparison of Intraoperative and Clinical Parameters using the OZil Torsional Handpiece Through Microincisional and Standard Clear Corneal Cataract Wounds. (2007) European Society of Cataract and Refractive Surgeons Annual Meeting. (Paper Presentation)

Berdahl JP, Jun B, Destafeno JJ, Kuo AN, Kim T. Comparison of Intraoperative and Clinical Parameters using the OZil Torsional Handpiece Through Microincisional and Standard Clear Corneal Cataract Wounds. (2007) American Society of Cataract and Refractive Surgeons Annual Meeting. (Poster Presentation)

Berdahl JP, Zeil C. Cataract Surgery as Treatment for Chronic Angle Closure Glaucoma. (2006) American Society of Cataract and Refractive Surgeons Annual Meeting. (Poster Presentation)

Destafeno JJ, **Berdahl JP, Kim T. Corneal Wound Architecture and Integrity after Phacoemulsification: Evaluation of Coaxial, Microincisional Coaxial, and Microincisional Bimanual Techniques.** (2006) American Society of Cataract and Refractive Surgeons Annual Meeting and European Society of Cataract and Refractive Surgeons Annual Meeting. (Poster Presentation)

Berdahl JP, Leske DA, Fautsch MP, Lanier WL, Holmes JM. Effect of Bicarbonate on Retinal Vasculature and Acidosis-induced Retinopathy in the Neonatal Rat. (2004) Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale FL. (Poster Presentation)

Berdahl JP. Vander Lugt, K. Principles of Charged Coupling Device Astronomy. (1999) South Dakota Undergraduate Research Symposium, Pierre, SD. (Poster presentation)

Berdahl JP. Vander Lugt, K. Fourier Image Analysis. (1998) South Dakota Academy of Science Annual Meeting. Spearfish, SD. (Oral Presentation)

Berdahl JP. Vander Lugt, K. Fourier Image Analysis. (1998) South Dakota Undergraduate Research Symposium, Pierre, SD. (Poster presentation)

Clinical Trials

1. Prospective Evaluation of Differences in Patient Assessment of Nighttime Visual Aberrations Following Custom Laser In-Situ Keratomileusis (LASIK) Using VISX CustomVue Software in a Defined and a Heterogeneous Participant Population
 - a. Sponsor: AMO
 - b. My Role: Sub-Investigator
2. A Multi-Center Study to Map Novel Genes for Fuchs' Endothelial Corneal Dystrophy
 - a. Sponsor: Mayo
 - b. My Role: Sub-Investigator
3. A Multi-Center, Placebo-Controlled, Randomized, Parallel-Group, Dose-Ranging Study to Assess the Efficacy and Safety of LX201 for Prevention of Corneal Allograft Rejection Episodes or Graft Failure Following Penetrating Keratoplasty with LX201 Implantation in Subjects who are at Increased Immunological Risk
 - a. My Role: Sub-Investigator
4. A Multi-Center, Placebo-Controlled, Randomized, Parallel-Group, Dose-Ranging Study to Assess the Efficacy and Safety of LX201 Implantation for the Prevention of Corneal Allograft Rejection Episodes or Graft Failure in Subjects Who Have Experienced One or More Rejection Episodes Following Penetrating Keratoplasty
 - a. Sponsor: Minnesota Eye Consultants
 - b. My Role: Sub-Investigator
5. A Prospective, Randomized, Multi-Center, Parallel Arm Study to Evaluate the Safety and Performance of the I-ZIP Ocular Bandage Compared With the OASIS 24-Hour Soft Shield Collagen Corneal Shield for Providing Ocular Protection and Relief of Pain/Discomfort in Subjects Undergoing Clear Corneal Cataract Surgery
 - a. Sponsor: Ocular Therapeutix
 - b. My Role: Sub-Investigator
6. A Phase 2, Randomized, Placebo-Controlled, Double-Masked, Multicenter Safety and Efficacy Study of C-KAD Ophthalmic Solution in Patients With Loss of Visual Acuity Due to Age-Related Cataract
 - a. Sponsor: Minnesota Eye Consultants
 - b. My Role: Sub-Investigator
7. A Multi-Center, Investigator Masked, Randomized, Parallel Group Comparison Study to Assess if the presence of BAK in Topical Fluoroquinolone Reduces the Likelihood of Susceptibility for induction of Resistant Organisms in healthy Adult Subjects
 - a. Sponsor: Minnesota Eye Consultants
 - b. My Role: Sub-Investigator
8. Ahmed versus Baerveldt Comparison (ABC) Study
 - a. Sponsor: American Glaucoma Society
 - b. My Role: Sub-Investigator
9. A Prospective, Randomized, Single-Masked, Controlled, Parallel Groups, Multicenter Clinical Investigation of the Glaukos Suprachoroidal Stent Model G3 in Conjunction with Cataract Surgery
 - a. Sponsor: Glaukos
 - b. My Role: Principal Investigator
10. A Prospective Randomized Controlled Multi-Center Clinical Study to Evaluation the Safety and Effectiveness of the Light Adjustable Lens (LAL) in Subjects with Pre Existing Corneal Astigmatism. Protocol CSP-002-03
 - a. Sponsor: Calhoun Vision
 - b. My Role: Sub-Investigator
11. 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
 - a. Sponsor: Avedro
 - b. My Role: Sub-Investigator
12. A Multi-Center, Randomized, 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 or Corneal Ectasia After Refractive Surgery. Phase III. Protocol ACOS-KXL-001
 - a. Sponsor: Avedro

- b. My Role: Sub-Investigator
- 13. A Multi-Center, Open-Label, Parallel-Arm, Randomized, Dose-Ranging Study of ENV515 (travoprost) Intracameral Implant in Subjects with Bilateral Ocular Hypertension or Early Primary Open-Angle Glaucoma
 - a. Sponsor: Envisia Therapeutics Inc.
 - b. My Role: Principal Investigator
- 14. A Prospective, Multicenter, Randomized, Parallel-Arm, Double-Masked, Vehicle Controlled Phase 3 Study Evaluating the Safety and Efficacy of OTX-DP for the Treatment of Ocular Inflammation and Pain after Cataract Surgery
 - a. Sponsor: Ocular Therapeutix, Inc.
 - b. My Role: Principal Investigator
- 15. Evaluation of Visual Outcomes and Contrast Sensitivity After Myopic Wavefront Optimized LASIK with Contralateral NexisVision Shield or Bandage Contact Lens or Standard LASIK Without a Shield or Bandage Contact Lens- Protocol CNVS-VR-002
 - a. Sponsor: ForSight Labs
 - b. My Role: Sub-Investigator
- 16. Clinical Study of the Artisan Aphakia Lens of the Correction of Aphakia in Adults
 - a. Sponsor: Ophtec USA, Inc.
 - b. My Role: Principal Investigator
- 17. A Non-Randomized, Open-Label Study to Evaluate the Safety and Effectiveness of Nasal Stimulation Therapy for Tear Production with the Oculeve Intranasal Lacrimal TENS Unit. Protocol OCUN-006.
 - a. Sponsor: Oculeve
 - b. My Role: Sub-Investigator
- 18. A Multicenter, Randomized, Double-Masked, Vehicle-Controlled, Parallel Group Phase III Study of the Efficacy and Safety of a Single Sub-conjunctival Injection of XG-102 for the Reduction of Post-Cataract Surgery Intraocular Inflammation
 - a. Sponsor: Xigen S.A.
 - b. My Role: Principal Investigator
- 19. Use of the Visumax Femtosecond Laser Lenticule Removal Procedure for the Correction of Myopia With or Without Astigmatism. Protocol VISUMAX -2014-1.
 - a. Sponsor: Zeiss
 - b. My Role: Sub-Investigator
- 20. A Multi-Center Clinical Assessment of the Lensar Laser System of Fragmentation Pattern Groups and Biometry Analysis, Phase III. Protocol 52-00077-PRO.
 - a. Sponsor: LensAR
 - b. My Role: Sub-Investigator
- 21. Surgeon Evaluation of the Optiwave Refractive Analysis System with VerifEye+ (ORA System with VerifEye+). Protocol WA-14-005.
 - a. Sponsor: Wavetec/Alcon
 - b. My Role: Sub-Investigator
- 22. A Non-Randomized, Open-Label Study to Evaluate the Safety and Proof of Concept of Negative Pressure Applied to the Periocular Microenvironment Anterior to the Orbital Rim
 - a. Sponsor: Equinox, LLC
 - b. My Role: Principal Investigator
- 23. A Prospective, Post Approval Study to Evaluate the Trulign Toric Posterior Chamber Intraocular Lens (IOL)
 - a. Sponsor: Bausch and Lomb
 - b. My Role: Sub-Investigator
- 24. Post-Approval Study of the Tecnis® Toric IOL, Models ZCT300 and ZCT400
 - a. Sponsor: Abbott
 - b. My Role: Sub-Investigator
- 25. Double-Masked, Randomized, Controlled Study of KPI-121 0.25% Ophthalmic Suspension Compared to Vehicle in Subjects With Dry Eye Disease, Phase III.
 - a. Sponsor: Kala Pharmaceuticals, Inc.
 - b. My Role: Sub-Investigator

Glaucoma Today
Med Magazine

Journal Reviewer

Ophthalmology
Archives of Ophthalmology
Investigative Ophthalmology and Visual Sciences
Cornea
Journal of Refractive Surgery
Middle East African Journal of Ophthalmology
British Journal of Ophthalmology

Course Instructor

Laser Refractive Surgery - American Academy of Ophthalmology 2010-present
Phakic Intraocular Lens Surgery - American Academy of Ophthalmology 2010-present
Advanced IOL techniques ASCRS 2011-present
IOL Centration and Alignment ASCRS 2013

Professional Society Membership

American Medical Association
Association for Research in Vision and Ophthalmology
Cornea Society
American Glaucoma Society
International Society of Eye Research
American Academy of Ophthalmology
American Society of Cataract and Refractive Surgery
European Society of Cataract and Refractive Surgery
International Society of Refractive Surgery
Founding Member of Vanguard Ophthalmology Society

Patents

Method and Device to treat glaucoma (pending)
Device to treat glaucoma and manipulate the translaminal pressure gradient

Work Experience

1999 – 2000 **Chairman, Mathematics Department**
Hills-Beaver Creek High School. Hills, MN
Taught mathematics courses and chaired mathematics department.

1999 – 2000 **High School Basketball and Baseball Coach**
Hills-Beaver Creek High School. Hills, MN
Assistant coach for high school girls basketball and high school boys baseball.

1999 **Sterility Technician**
Grand Laboratories, Larchwood, IA
Responsible for quality control of veterinary vaccine production.

1996 – 1999 **Tutor-Research Assistant**
Augustana College, Department of Physics, Sioux Falls, SD
Served as research assistant and tutor for physics courses.

Volunteer Experience

- 2008 **EyeCare America Executive Committee**
Serve on American Academy of Ophthalmology Seniors Eye Care Program to help ensure delivery of eye care to America's seniors.
- 2007 **International Medical Service**
Served as an ophthalmologist performing cataract surgery for underserved patients in Ensenada, Mexico.
- 2003 **International Medical Service**
Served as a medical student diagnosing and treating eye disease in Mawlmyine, Myanmar.
- 2000 – 2004 **Volunteer Health Educator**
Educate students and teachers of southern Minnesota schools about health issues.
- 2000 – 2002 **Mentor**
YMCA youth mentoring program. Rochester, MN.
Served as mentor for 8th grade child from disadvantaged background.
- 2000 – 2002 **Counselor**
Salvation Army Smoking Cessation Program, Rochester, MN.
Evaluated, counseled, instituted treatment and monitored treatment of patrons attempting to quit smoking.
- 1 **State Science Fair Judge**
Minnesota State Science Fair
Evaluated and judged projects at the Minnesota State Junior and Senior High School State Science Fair
- 1999 – 2000 **Youth Group Leader**
Co-leader of Fellowship of Christian Athletes. Hills, MN.
Served as youth leader for over 100 high school students, coordinating various service projects and Bible study programs.
- 1999 **International Service Trip Leader**
Co-leader of service trip to Cochabamba, Bolivia. Supervised 14 high school students and helped build rural medical clinics and churches.
- 1998 **International Service Trip**
Service trip to Cochabamba, Bolivia. Helped build rural medical clinics and churches, and made preparations for future trip.
- 1997 **International Service Trip**
Service trip to Kingston and Montego Bay, Jamaica. Served at elementary school and orphanage by building playground equipment and playing with children.

Interests and Extracurricular Activities

Hobbies include athletics, astronomy, camping, cooking, diving, guitar, reading.