

John Berdahl, MD

Cataract, Refractive Corneal, & Glaucoma Surgeon

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

Honors, Awards, and Grants

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

Berdahl JP, Fautsch MP, Stinett SS, Allingham RR. Intracranial Pressure in Primary Open Angle Glaucoma and Normal Tension Glaucoma and Ocular Hypertension: A Case Control Study. Manuscript accepted to *Investigative Ophthalmology and Visual Science*. (August 2008-publish ahead of print available at www.iovs.org)

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. Manuscript accepted to JCRS (August 2008)

Hardten DR, Fahmy MM, **Berdahl JP**, Kim T. **Fibrin Adhesive to Reduce Recurrence of Epithelial Ingrowth after Laser in-situ Keratomileusis.** Manuscript submitted to Ophthalmology (Submitted August 2008)

Berdahl JP, Carlson AN. Corneal Implants for Treatment of Ectasia Treatment after Radial Keratotomy. Accepted for publication in *Techniques in Ophthalmology*. (Slated for publication in September 2008 issue)

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, Kim T. **Corneal Wound Architecture and Integrity after OZil and Standard Phacoemulsification: Evaluation of Standard Coaxial and Microincisional Coaxial Techniques** Manuscript Submitted to 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 (August 2008).

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 Chapters and Publications

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 Progress) *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 Progress) *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.

Presentations

Berdahl JP, Fautsch MP, Stinnett 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)

Professional Society Membership

American Medical Association
Association for Research in Vision and Ophthalmology
International Society of Eye Research
American Academy of Ophthalmology
American Society of Cataract and Refractive Surgery
European Society of Cataract and Refractive Surgery

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.

2001. **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.