

Clinical Experience

Optometrist

Cornea, Cataract, Refractive, & Glaucoma Surgery Specialist

Co-management ophthalmology and optometry clinic focusing on advanced anterior segment surgery and pathology. Specialized post-operative care for cataract, cornea, glaucoma, and refractive surgeries. Active role in clinical research trials.

Vance Thompson Vision

3101 West 57th Street
Sioux Falls, SD
09/2/14 to present

Education

Optometry Residency

Minnesota Eye Consultants - Dr. Marlane Brown/Dr. Sherman Reeves

Ocular Disease/Refractive and Ocular Surgery

Extensive experience in both autonomous clinic and mentored Ophthalmology clinic. Management of surgical care specializing in cataracts, cornea, and glaucoma. Pre and post-operative refractive surgery care patient encounters. Primary "On-Call" duties.

Minneapolis, MN

07/08/2013 to 07/18/2014

Doctorate of Optometry

Pacific University College of Optometry

Grade point average: 3.75

Forest Grove, OR

completed 05/18/2013

Graduated "With Distinction"

Bachelors of Science in Microbiology

North Dakota State University (NDSU)

Grade point average: 3.74

Fargo, ND

completed 05/16/2009

Magna Cum Laude

Ophthalmic/Optometric Publications:

(peer reviewed)

iStent inject trabecular microbypass stent implantation with cataract extraction in open-angle glaucoma: early clinical experience

Eye and Vision

May 2020

Unlocking the Mystery of Corneal Dystrophies

Review of Cornea and

Contact lens. Nov 2019

Trabecular microbypass stent implantation with cataract extraction in pigmentary glaucoma

Clin. & Exp. Ophthalmology

September 2019

**Short-Term Safety Evaluation of a Multi-Pressure Dial:
A Prospective, Open-label, Non-randomized Study**

Ophthalmology and Therapy

March 2019

Trabecular microbypass stent implantation in pseudophakic eyes

Journal of Cataract and

With open angle glaucoma: long term results.	Refractive Surgery August 2018
New Technology and Current Understanding of Episcleral Venous Pressure	Current Ophthalmology Reports May 2018
The Role of Corneal Hysteresis in Predicting Outcomes in Glaucoma Patients Undergoing Trabecular Microbypass Stent in Combination with Cataract Surgery	South Dakota Medicine April 2018
Safety and efficacy of intravitreal injection of steroid and antibiotics in the setting of cataract surgery and trabecular microbypass stent	Journal of Cataract and Refractive Surgery March 2018
An OD's Guide to Corneal Transplant Options	Review of Optometry January 2018
Evaluation of a trabecular micro-bypass stent with cataract extraction in pseudoexfoliation glaucoma	Journal of Cataract and Refractive Surgery February 2017
Evaluation of a trabecular micro-bypass stent with cataract extraction in severe primary open-angle glaucoma	Journal of Glaucoma March 2017
What You Need to Know about Dropleas Cataract Surgery Post-operative injections in surgical care	Review of Optometry May 2017
<i>(non peer-reviewed)</i>	
30 Years of Lasik From patent to patients in pursuit of emmetropia	Optometry Times October 2019
What OD's Need to Know About SLT	Modern Optometry October 2019
Comanaging Glaucoma Patients Through Cataract Surgery	CollaborativeEYE April 2019
Travoprost eluting drug-delivery device shows promise	Optometry Times April/May 2019
Best practices for comanaging crosslinking patients	Optometry Times March/April 2019
Episcleral Venous Pressure and Glaucoma Review of EVP's effect on IOP, glaucoma treatment, etc.	Advanced Ocular Care September 2017
Safety, Patient Convenience are Key in MIGS Microinvasive glaucoma surgery procedures can reduce the number of medications.	Advanced Ocular Care April 2017
Go Thin for the Win: A Review of Endothelial Keratoplasty New techniques in lamellar corneal transplants	Review of Optometry December 2016
Drug Delivery Innovations May Decrease the Need for Patient Compliance Update on drug delivery in cataract surgery	Advanced Ocular Care June 2016
DSEK versus DMEK for Endothelial Dysfunction A clinical comparison of two lamellar keratoplasty techniques	Advanced Ocular Care October 2015

Contributing Author

Sustained-Release Drug Delivery: The Future of Glaucoma Treatment

Drug Delivery in glaucoma

Sustained-Release Drug Delivery: The Future of Glaucoma Treatment

Drug Delivery in glaucoma

Glaucoma Today

November 2016

Advanced Ocular Care

July 2016

Clinical Research/Didactic Presentations

Research: Vance Thompson Vision

1. A Prospective, Controlled, Multicenter Post-Approval Study of the Glaukos iStent Trabecular Micro-Bypass Stent System in Conjunction with Cataract Surgery
 - a. Sponsor: Glaukos
 - b. My Role: Sub-Investigator
2. A Randomized Masked, Prospective Pilot Study of the Safety and Performance of the EyeGate Ocular Bandage Gel, A 0.75% Crosslinked Hyaluronic Acid Applied Topically for Accelerating Re-Epithelization of Corneal Epithelia Defects Resulting From Laser-Assisted In Situ Keratomileusis (LASIK) Versus Artificial Tears
 - a. Sponsor: EyeGate Pharma
 - b. My Role: Sub-Investigator
3. A Randomized Masked, Prospective Pilot Study of the Safety and Performance of the EyeGate Ocular Bandage Gel, A 0.75% Crosslinked Hyaluronic Acid Applied Topically for Accelerating Re-Epithelization of Corneal Epithelia Defects Resulting From Photorefractive Keratectomy (PRK) Used in Combination With and Without A Bandage Contact Lens
 - a. Sponsor: EyeGate Pharma
 - b. My Role: Sub-Investigator
4. Quality of Vision of Patients Implanted with Intraocular Lens After Cataract Surgery
 - a. Sponsor: ClarVista
 - b. My Role: Sub-Investigator
5. Prospective, Randomized Phase II Study Comparing Two Elution Rates of Glaukos Travoprost Intraocular Implants to Timolol Maleate Ophthalmic Solution, USP, 0.5%
 - a. Sponsor: Glaukos
 - b. My Role: Sub-Investigator
6. Post-Approval Study of the Tecnis® Toric IOL, Models ZCT450, ZCT525, ZCT600
 - a. Sponsor: Abbott
 - b. My Role: Sub-Investigator
7. A Prospective Multi-Center Study of Anterior Lens Capsulotomy Using the Mynosys Zepto System.
 - a. Sponsor: Mynosys Cellular Devices, Inc.
 - b. My Role: Sub-Investigator
8. 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
9. Post-Approval Study of the Tecnis® Toric IOL, Models ZCT300 and ZCT400
 - a. Sponsor: Abbott
 - b. My Role: Sub-Investigator
10. 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
11. 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: Sub-Investigator

12. 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
13. 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: Sub-Investigator
14. 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
15. Glaukos iStent in Postmarket Registry GTS 100-PAR
 - a. Sponsor: Glaukos
 - b. My Role: Sub-Investigator
16. 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: Sub-Investigator
17. 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: Sub-Investigator
18. 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
19. 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
20. 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: Sub-Investigator
21. 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
22. 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
23. 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: Sub-Investigator
- 24. Clinical Investigation of the TECNIS® Next-Generation Intraocular Lenses
 - a. Sponsor: Abbott Medical Optics Inc.
 - b. My Role: Sub-Investigator
- 25. A Prospective, Randomized, Controlled, Open-Label Study to Evaluate the Safety and Proof of Concept of Negative Pressure Applied to the Periocular Microenvironment Anterior to the Orbital Rim to Alter Spontaneous Venous Pulsations (SVP) by way of Modulating Intraocular Pressure (IOP).
 - a. Sponsor: Equinox, LLC
 - b. My Role: Sub-Investigator
- 26. Bausch & Lomb Ophthalmic Viscosurgical Device (OVD) Dispersive (DVisc40)
 - a. Sponsor: Bausch & Lomb Incorporated
 - b. My Role: Sub-Investigator
- 27. A Multi-Center, Prospective Clinical Trial to Evaluate the Safety And Effectiveness of the CT LUCIA 611P Posterior Chamber Intraocular Lens for Correction of Aphakia Following Cataract Removal
 - a. Sponsor: Carl Zeiss Meditec Production LLC
 - b. My Role: Sub-Investigator
- 28. Clinical Evaluation of a Small Aperture Extended Depth of Focus Intraocular Lens
 - a. Sponsor: Acufocus, Inc.
 - b. My Role: Sub-Investigator
- 29. A Prospective Randomized Controlled Multi-Center Clinical Study to Evaluate the Safety and Effectiveness of the Rxsight Light Adjustable Lens (LAL) in Subjects with Prior Corneal Refractive Surgery
 - a. Sponsor: RxSight, Inc.
 - b. My Role: Sub-Investigator
- 30. A Phase III, Multi-center Study to Evaluate the Safety and Efficacy of Epithelium-on Corneal Collagen Cross-linking in Eyes with Progressive Keratoconus
 - a. Sponsor: Avedro, Inc.
 - b. My Role: Sub-Investigator
- 31. Clinical Investigation of the Safety and Effectiveness of the Next-Generation TECNIS® Symphony® Intraocular Lens Model ZHR00
 - a. Sponsor: Johnson & Johnson, Inc.
 - b. My Role: Sub-Investigator
- 32. A Prospective, Multicenter Clinical Investigation of the Glaukos® Trabecular Micro-Bypass System, Model iS3, in Subjects with Refractory Glaucoma
 - a. Sponsor: Glaukos Corporation
 - b. My Role: Sub-Investigator
- 33. Prospective, Randomized Phase 3 Study Comparing Two Models of a Travoprost Intraocular Implant to Timolol Maleate Ophthalmic Solution, Usp, 0.5%
 - a. Sponsor: Glaukos Corporation
 - b. My Role: Sub-Investigator
- 34. A Phase 3b Study to Evaluate the Duration of Effect of Bimatoprost SR in Participants with Open-Angle Glaucoma or Ocular Hypertension
 - a. Sponsor: Allergan
 - b. Role: Sub-Investigator
- 35. A Prospective Controlled Multi-Center Clinical Study to Evaluate the Safety and Effectiveness of Performing 0.50 Diopter Astigmatism Correction on the Commercially Available Light Adjustable Lens (LAL)
 - a. Sponsor: RxSight, Inc.
 - b. My Role: Sub-Investigator

36. Post-Approval study of the Tecnis Symphony Toric Lenses TIOL-205-STPA
 - a. Sponsor: Johnson & Johnson Surgical Vision, Inc.
 - b. My Role: Sub-Investigator
37. A Randomized, Masked (Reading Center), Controlled, Prospective Pivotal Study of the Effectiveness and Safety of the EyeGate Ocular Bandage Gel, a 0.75% Crosslinked Hyaluronic Acid Applied Topically, Versus A Bandage Contact Lens in Accelerating Re-Epithelialization of Large Corneal Epithelial Defects in Patients Having Undergone Photorefractive Keratectomy (PRK)
 - a. Sponsor: EyeGate Pharmaceuticals, Inc.
 - b. My Role: Sub-Investigator
38. Negative Pressure Applied by the Equinox Mercury™ Multi-Pressure Dial as an Adjunct Therapy for Lowering Intraocular Pressure in Subjects with Normal Tension Glaucoma (The Artemis Study)
 - a. Sponsor: Equinox LLC
 - b. My Role: Sub-Investigator

A Randomized, Controlled, Masked (Reading Center) Prospective Study of the Effectiveness and Safety of the Ocular Therapeutix Dextenza (dexamethasone Ophthalmic insert) 0.4 mg for the treatment of post-operative inflammation and pain in patients who have undergone PhotoREFractive Keratectomy (PRK) (The RESTORE Study)

Vance Thompson Vision
sponsor Ocular Therapeutix
May 2020-present

Accommodation status of pre-presbyopic patients (37-42)
Prospective study delivering progressive accommodative amplitude testing to plot and discern the accommodation profile of pre-presbyopia.

Vance Thompson Vision
sponsor Alcon
November 2019-present

Ocular Surface Disease Changes in eyes after trabecular micro-bypass stent(s) Implantation (iStent or Istent inject) with phacoemulsification
Pre- and post-operative study detailing the effects of iStent on reducing Glaucoma medications and its effect on dry eye signs/symptoms.

Vance Thompson Vision
sponsor Glaukos
2018-present

Retrospective study with John Berdahl, MD, Michael Greenwood, MD
Evaluation of a Trabecular Micro-Bypass Stent in Combination with Cataract Surgery Plus TriMoxiVanc Intravitreal Injection.

Vance Thompson Vision
March 2015-Sept. 2017

Retrospective study with John Berdahl, MD
Measurement of Astigmatism: Comparability of Three Devices Used in Preoperative Evaluation for Cataract Surgery.

Vance Thompson Vision
May 2015

Retrospective study with David Hardten, MD, FACS, and Zach Zavodni, MD.
Outcomes of keratoconus treated with a combination of collagen crosslinking, conductive keratoplasty, and intrastromal corneal rings.

Minnesota Eye Cons.
September 2013

Retrospective study with Tom Samuelson, MD, and Zach Zavodni, MD.
Comparing post-surgical outcomes of iSTENT glaucoma surgery dependent on the anterior chamber quadrant placement.

Minnesota Eye Cons.
February 2014

Presentations:

Thick, Thin, and Thinner: An Update on Endothelial Disease SECO	Atlanta, GA 03/2020
MIGS in the Bigs SECO	Atlanta, GA 03/2020
When Astigmatism Isn't Regular: Optical and Surgical Approaches SECO	Atlanta, GA 03/2020
A Deep Dive into Secondary Glaucomas SECO	Atlanta, GA 03/2020
Laser K's: Keratectomy to Keratomileusis with a Smile SECO	Atlanta, GA 03/2020
Corneal Ulcers from Z to A American Academy of Optometry	Orlando, FL 10/2019
The Comorbidities of Dry Eye Disease and Glaucoma American Academy of Optometry	Orlando, FL 10/2019
Do's and Don'ts of Cataract Surgery with Co-existing Ocular Disease World Congress of Optometry- AAO 2019	Orlando, FL 10/2019
Update on IOL's World Congress of Optometry – AAO 2019	Orlando, FL 10/2019
OD's Guide to Corneal Cross-linking Pacific Vision Institute	San Francisco, CA 06-2019
Irregular Astigmatism Management OCCRS	San Diego, CA 04-2019
Update on Endothelial Disease OCCRS	San Diego, CA 04-2019
MIGS in the Bigs North Dakota Optometric Association Spring meeting	Bismarck, ND 03-2019
Diagnosis and Management of the Secondary Glaucomas North Dakota Optometric Association Spring meeting	Bismarck, ND 03-2019
Laser K's: Keratectomy to Keratomileusis with a Smile North Dakota Optometric Association Spring meeting	Bismarck, ND 03-2019
MIGS in the Bigs Heart of America Eyecare Congress	Kansas City, KS 02-2019
Diagnosis and Management of the Secondary Glaucomas Heart of America Eyecare Congress	Kansas City, KS 02-2019
Trending Now In Cataract Surgery Heart of American Eyecare Congress	Kansas City, KS 02-2019
Laser K's: Keratectomy to Keratomileusis with a Smile Heart of America Eyecare Congress	Kansas City, KS 02-2019
Reviving the Limbus- the importance of the limbal stem cell niche American Academy of Optometry meeting (AAO)	San Antonio, TX 11-2018
Interim Results-Phase II Study of Travoprost Intraocular Implants American Academy of Optometry meeting (AAO)	San Antonio, TX 11-2018
MIGS in the Bigs Minnesota Optometric Association	Minneapolis, MN 09-2018

Diagnosis and Management of the Secondary Glaucomas Minnesota Optometric Association	Minneapolis, MN 09-2018
Cataract & Presbyopic Surgical Management Update Optometric Cornea Cataract and Refractive Surgery Society (OCCRS)	San Diego, CA 04-2018
Modern Glaucoma Managements: MIGS Updates Optometric Cornea Cataract and Refractive Surgery Society (OCCRS)	San Diego, CA 04-2018
Diagnosis and Management of the Secondary Glaucomas Optometric Physicians of Washington (OPW)	Spokane, WA 03-2018
Laser K's: Keratectomy to Keratomileusis with a Smile Optometric Physicians of Washington (OPW)	Spokane, WA 03-2018
MIGS in the Bigs Optometric Physicians of Washington (OPW)	Spokane, WA 03-2018
What's the Pressure in Glaucoma, 1 or 2? Optometric Physicians of Washington (OPW)	Spokane, WA 03-2018
Diagnosis and Management of the Secondary Glaucomas American Academy of Optometry meeting (AAO)	Chicago, IL 10-12-17
Laser K's: Keratectomy to Keratomileusis with a SMILE American Academy of Optometry meeting (AAO)	Chicago, IL 10-13-17
Advancements in Corneal Surgical Therapeutic Options Tennessee Optometric Association	Destin, FL April 28, 2017
Trending Now in Cataract Surgery Tennessee Optometric Association	Destin, FL April 28, 2017
What's the Pressure in Glaucoma, 1 or 2? Tennessee Optometric Association	Destin, FL April 28, 2017
Mysteries of Dystrophies Co-lecture at the American Academy of Optometry meeting (AAO)	Anaheim, CA 11/12/2016
Advancements in Cornea Surgical Therapeutic Options Lecture for North Dakota Optometric Association	Mandan, ND 10/4/2016
Trending Now in Cataract Surgery Lecture for North Dakota Optometric Association	Mandan, ND 10/4/2016
Measurements of Astigmatism: Comparability of Three Devices Used in Preoperative Evaluation for Cataract Surgery. E-poster presentation- American Society of Cataract and Refractive Surgery	New Orleans, LA 5/5/2016
Evaluation of a Trabecular Micro-Bypass Stent in Combination with Cataract Surgery Plus TriMoxiVanc Intravitreal Injection. E-poser presentation- American Society of Cataract and Refractive Surgery	New Orleans, LA 5/5/2016
Outcomes of Keratoconus Treated with Combination of Collagen Crosslinking, Conductive Keratoplasty, and Intacs. Poster presentation- American Academy of Optometry	New Orleans, LA 10/9/2015
Glaucoma-MIGs With a Vision for Mars: With John Berdahl, MD Iowa Optometric Association	Spirit Lake, IA 7/18/2015
Advancements in Cornea Surgical Therapeutic Options Iowa Optometric Association	Spirit Lake, IA 7/18/2015
Advancements in Corneal Surgery Northwest Nebraska Optometric Association	Valentine, NE 6/1/2015
Co-management of Glaucoma Surgery	Chicago, Illinois

Grand rounds case presentation- Illinois College of Optometry
Challenging Post-Operative Complications in DSEK
Poster presentation- American Academy of Optometry
That's a Really Large Divot...Fore- Case Review of Scleritis
Grand rounds case presentation- Illinois College of Optometry

4/11/2013
Seattle, Washington
10/26/2013
Chicago, Illinois
9/20/2013

Consultant Lectures/Financial Disclosures

Cross-linking dinner program – SECO

Glaukos

Cross-linking round-table – American Academy of Ophthalmology

Avedro

Rock Solid Results – dinner program

Aerie

Cataract Co-management panel – AOA lunch

Alcon

Introducing a breakthrough for glaucoma treatment

Glaukos

Atlanta, GA
03/05/2020
San Francisco, CA
10/13/19
Grand Forks, ND
11/21/19
Bismarck, ND
5/28/19
Denver, CO
6/18/18
Spokane, WA
10/3/18
Rochester, MN
9/26/17
Eau Claire, WI
3/15/17

Aerie – Consultant, Speaker

Allergan - Consultant

Alcon - Speaker

Avedro – Consultant/Speaker

Equinox - Investor

Glaukos - Consultant/Speaker

Ocular Therapeutix – Consultant

Sight Sciences - Consultant

Teaching/Faculty roles

Adjunct Faculty- University of Pikeville – Kentucky College of Optometry

Adjunct Faculty- Illinois College of Optometry

Honors/Awards

Fellowship award- American Academy of Optometry: 2015

Cornea and Contact Lens Resident Travel Grant: O.D. Academy meeting 2013

Beta Sigma Kappa- Pacific University Honor Society: 2010-2012

Elma Doubly Microbiology Scholarship of NDSU: three time winner: 2007-2009

Phi Kappa Phi Honor Society of NDSU: 2008-2009

Professional Affiliations

AAO Anterior Segment Sig	2019-present
Optometric Glaucoma Society (OGS)	2018-present
Optometric Cornea Cataract and Refractive Surgery Society (OCCRS)- Board	2017-present
American Academy of Optometry (AAO) (Fellow)	2013-present
American Optometric Association (AOA)	2009-present
Beta Sigma Kappa Honor Society- Pacific University	2010-present
Vice President- Pacific University	2012-2013
South Dakota Optometric Association	2014-present
Education committee	present

Professional References: References available upon request.