Vance Thompson, MD

Curriculum Vitae

Clinic Office Address:
Vance Thompson Vision
3101 West 57th Street
Sioux Falls, SD 57108

Research Office Address:
5003 South Bur Oak Place
Sioux Falls, SD 57108

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Education

1990-1991	**Hunkeler Eye Clinic** Corneal and Refractive Surgery Fellowship	Kansas City, MO
1987-1990	**University of Missouri** Ophthalmology Residency	Columbia, MO
1986-1987	**McKennan Hospital** Rotating Internship	Sioux Falls, SD
1982-1986	**University of South Dakota School of Medicine** Doctor of Medicine	Vermillion, SD
1978-1982	**University of South Dakota** B.S. in Chemistry	Vermillion, SD

Professional Positions

1991-Present	**Vance Thompson Vision** Founder Cataract, Refractive and Corneal Surgeon	Sioux Falls, SD
1991-Present	**Sanford USD School of Medicine** Professor of Ophthalmology	Sioux Falls, SD

Medical Licenses

South Dakota	Active
Iowa	Active
North Dakota	Active
Minnesota	Inactive
Nebraska	Inactive

Professional Society Membership

American Academy of Ophthalmology
American Society of Cataract and Refractive Surgery
European Society of Cataract and Refractive Surgery
International Society of Refractive Surgery
American-European Congress of Ophthalmic Surgery
Refractive Surgery Alliance
International Intraocular Implant Club (Invite only, 2016)
Fellow of the World College of Refractive Surgery & Visual Sciences

Invited Presentations

2026: RHEM, AECOS, ASCRS
2025: RHEM, AECOS, ASCRS, ESCRS, AAO
2024: CSEP 2024 Ophthalmic Scientific, Research Study Club (LA), RHEM, AECOS, ASCRS, ESCRS, AAO, UKISCRS
2023: RHEM, ASCRS, ESCRS, AAO
2022: RHEM, ASCRS, AECOS, ESCRS, AAO, NAEPS, UC Irvine, NEOS, UCSF
2021: RHEM, ASCRS, AECOS, ESCRS, AAO
2020: RHEM, ASCRS, AECOS, ESCRS, AAO
2019: RHEM, ASCRS, AECOS, Italian Society of Ophthalmology, ESCRS (Received 2018 Rosen award), AAO
2018: RHEM, ASCRS, AECOS, ACES SEE, AAO, ESCRS
2017: RHEM, ASCRS, AECOS, ACES SEE, AAO, ESCRS
2016: RHEM, ASCRS, AECOS, ACES SEE, AAO
2015: RHEM, ASCRS, AECOS, ACES SEE, AAO
2014: RHEM, ASCRS, AECOS, AAO

Organizer Experience

1996 – Present: Editorial Board for Refractive Surgery Section of OSN
Refractive Surgery Review of Ophthalmology
2017 – 2019: Refractive Surgery Clinical Committee Member
2017 – 2022: Refractive Surgery Editor of EyeWorld
2017 – Present: The Winning Pitch Challenge – Co-founder
2018 – Present: Co-chair of the Hawaii meeting Refractive Surgery Day
2019 – 2021: Refractive Surgery Clinical Committee Chair
2021 – 2022: Co-chair of Refractive subspecialty Day at ASCRS
2021 – Present: Refractive Surgery Clinical Committee Advisory Member
2023 – 2024: ASCRS Executive Committee Treasurer
2022 – 2024: IIIC Executive Committee – Treasurer
2024 – 2025: ASCRS Executive Committee President
2025 – 2026: ASCRS Executive Committee Immediate Past President
2024 – 2026: IIIC Executive Committee – President Elect
2026 – 2027: ASCRS Nominating Committee Chair
2026 – Present: CEO Ophthalmology – Editorial Board Member

Publications, Papers and Posters

Krueger, RR., **Thompson, V**., Solomon, K., Wexler, SA., Clinch, TE., Whitman, J., Moyes, A., Price, F., Gordon, M. Myopic and Astigmatic Laser in situ Keratomileusis Using a Ray Tracing–Based Treatment Algorithm with a Personalized Ablation Profile. *Clinical Ophthalmoogyl*. 2026;20:1-12 https://doi.org/10.2147/OPTH.S567933

Berdahl, J., Terveen, D., Aboughaida, A., Dyk, DW., Yalamanchili, S., Makari S, **Thompson, V**. Bench Evaluation of Intraocular Pressure Control with Clinical Assessment of Anterior Chamber Stability of a Dual Peristaltic Phacoemulsification Device. *Clin Ophthalmol*. 2026;20:570189 https://doi.org/10.2147/OPTH.S570189

Thompson, V., Karpuk, K., & Packer, M. Preoperative ocular surface optimization and the role of lacrimal occlusion in dry eye management before cataract and refractive surgery: a critical perspective. *Expert Review of Ophthalmology*. (2025) https://doi.org/10.1080/17469899.2025.2606426

Rapuano, C., Lindstrom, R., Donnenfeld, E., Berdahl, J., **Thompson, V**., Kratochvil, D., Carter, J. Economics of corneal cross-linking for keratoconus treatment. *Journal of Medical Economics 28*(1) (2025): 1696–1708. | DOI: 10.1080/13696998.2025.2564576

Parkhurst, G., Brinton, J., Faulkner, A., Moshirfar, M., Kugler, L., Stahl, J., Zavodni, Z., **Thompson, V.,** Price, F., Wiley, W., Aronsky, M., Whitman, J., Solomon, J., Perkins, S., Packer, M., Egamino, J. Three-year results from the United States FDA prospective multicenter clinical study of the EVO/EVO+ implantable collamer lens. *Clinical Ophthalmology* 19 (2025): 3237-3248. | DOI: 10.2147/OPTH.S537739

Pepose, J., **Thompson, V.,** Hoopes, P., Waring, G., Rebenitsch, R., MacRae, S., Donaldson, K., Durrie, D., Marcos, S. Assessing ocular dominance: Rethinking the current paradigm. *Journal of Cataract & Refractive Surgery* 51(7): 592-599, July 2025. | DOI: 10.1097/j.jcrs.0000000000001659

Doane, J., Newsom, H., Slade, S., **Thompson, V.,** Bruns, N., Vukich, J. Clinical Data Registry Comparing Outcomes of Two Light Adjustable Lenses. *Journal of Cataract & Refractive Surgery* June 17, 2025. | DOI: 10.1097/j.jcrs.0000000000001721. 51(11):p 948-954, November 2025.

Gupta, P., **Thompson, V**., O'Dell, L., Ho, A., Chan, A., Oak, B, Athavale, A., Yeu, E. Patient-Reported Burden of Illness and Unmet Needs in Demodex blepharitis. *Dovepress* March 2025.

Ristvedt, D., Bosc, C., **Thompson, V**. Clinical Outcomes of a Hydrophobic Trifocal Diffractive Intraocular Lens: A Literature Review. *Frontiers in Medicine* 12 (2025): 1533161.

Packer, M., Lindstrom, R., **Thompson, V**., Parekh, JG., Gupta, P., Nijm, LM., Donnenfeld E. The Effectiveness and Safety of a Novel Crosslinked Hyaluronate Canalicular Gel Occlusive Device for Dry Eye. *J Cataract Refract Surg*. October 2024. 1;50(10):1051-1057. doi: 10.1097/j.jcrs.0000000000001505. PMID: 38875184

Thompson, V., Cummings, AB., Wang, X. Implantable Collamer Lens Procedure Planning: A Review of Global Approaches. *Clin Ophthalmol.* 2024 Apr 6;18:1033-1043. doi: 10.2147/OPTH.S456397. PMID: 38601168; PMCID: PMC11005927.

Jones, M., Terveen, D., Berdahl, J., **Thompson, V**., Kramer, B., Ferguson, T. Clinical outcomes of the light adjustable lens in eyes with a history of prior corneal refractive surgery. *Journal of Cataract and Refractive Surgery*. May 2024.

Fram, N., Hovanesian, J., Narang, P., Narang, R., Moloney, G., Lin, D., Ferguson, T., **Thompson, V**., Schneider, R., Yeu, E., Trattler, W., Zaldivar, R. Radial keratotomy and cataract surgery: A quest for emmetropia. *Journal of Cataract and Refractive Surgery*. 898-899 (2023).

Chang, D., Hu, J., Lehmann, R., **Thompson, V**., Tsai, L., & Thomas, E. Clinical performance of a hybrid presbyopia-correcting intraocular lens in patients undergoing cataract surgery in a multicenter trial. *Journal of Cataract and Refractive Surgery*. (2023).

Ho, A., Mun, J., Chan, A., Doshi, R., Gupta, P., O'Dell, L., **Thompson, V**., Skaar, J., Hadker, N., Green, O. Characteristics, Healthcare Resource Utilization, and Costs among Patients with Demodex Blepharitis: Results of a Patient Survey in the US. Poster Presented at: Academy of Managed Care Pharmacy. March 2023; San Antonio, TX.

Chang, D., **Thompson, V**., Christie, W., Chu, Y., & Vida, R. Clinical Evaluation of a Modified Light Transmission Short-Wavelength Filtering Intraocular Lens Compared to a Colorless Control. *Ophthalmology and Therapy*, 1-11. (2023).

Shafer, B., Puls-Boever, K., Berdahl, J., **Thompson, V.**, Ibach, M., Zimprich, L., & Schweitzer, J. Defocus Curve of Emerging Presbyopic Patients. *Clinical Ophthalmology*, 843-847. (2023).

Thompson, V., Moshirfar, M., Clinch, T., Scoper, S., Linn, S. H., McIntosh, A., ... & Stasi, K. Topical Ocular TRPV1 Antagonist SAF312 (Libvatrep) for Postoperative Pain After Photorefractive Keratectomy. *Translational Vision Science & Technology*, *12*(3), 7-7. (2023).

Terveen, D., Berdahl, J., **Thompson, V**. "Chapter 49", *Curbside Consultation in Cornea and External Diseases, Second Edition* by Hardten and Hansen. Slack Inc. 2021 pp. 269-272.

Rohlf, D., La Nasa, A., Terveen, D., Shafer, B., **Thompson, V.,** & Berdahl, J. Outcomes of LASIK versus PRK Enhancement in eye with prior cataract surgery. *Journal of cataract and refractive surgery*. 2022

Ibach MJ, Zimprich L, Wallin DD, Olevson C, Puls-Boever K, **Thompson V**. In Clinic Optometrist Insertion of Dextenza (Dexamethasone Ophthalmic Insert 0.4mg) Prior to Cataract Surgery: The PREPARE Study. Clin Ophthalmol. 2022 Aug 13;16:2609-2615. doi: 10.2147/OPTH.S374405. PMID: 35992569; PMCID: PMC9384970.

Hatch, K., Ling, J., Wiley, W., Cason, J., Ciralsky, J., Nehls, S., McCabe, C., Donnenfeld, E., **Thompson, V.** Diagnosis and Management of Postrefractive Surgery Ectasia. *Journal of Cataract and Refractive Surgery*, 2022 Apr 1;48(4):487-499.

Thompson, V., Holladay, J., and Sretavan D. Use of P1-P4 Purkinje Reflections as a Surrogate Sign for Intraoperative Patient Fixation. *Journal of Cataract and Refractive Surgery* (2021).

Thompson V., Terveen D. LASIK and PRK Patient Evaluation and Selection. In: Albert D., Miller J., Azar D., Young L.H. (eds) *Albert and Jakobiec's Principles and Practice of Ophthalmology*. Springer, Cham. 2021https://doi.org/10.1007/978-3-319-90495-5_226-1

Ibach, M., Shafer, B., Wallin, D., Puls-Boever, K., **Thompson, V.**, & Berdahl, J. The Effectiveness and Safety of Dextenza 0.4 mg for the Treatment of Postoperative Inflammation and Pain in Patients After Photorefractive Keratectomy: The RESTORE Trial. *Journal of refractive surgery (Thorofare, N.J. : 1995)*, 2021. *37*(9), 590–594.

Modi, S., Lehmann, R., Maxwell, A., Solomon, K., Cionni, R., **Thompson, V**., ... & Yeu, E. Visual and patient-reported outcomes of a diffractive trifocal intraocular lens compared with those of a monofocal intraocular lens. *Ophthalmology*, 2021;*128*(2), 197-207.

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Lindstrom, R. L., Berdahl, J. P., Donnenfeld, E. D., **Thompson, V**., Kratochvil, D., Wong, C., ... & Carter, J. A. Corneal cross-linking versus conventional management for keratoconus: a lifetime economic model. *Journal of Medical Economics,* 2021; 24(1), 410-420.

Liu, T., Shafer, B., **Thompson, V.** Update on Refractive Surgery. *Advances in Ophthalmology and Optometry.* 2021.

Modi, S., Lehmann, R., Maxwell, Al., Solomon, K., Cionni, R., **Thompson, V**., Horn, J., Caplan, M., Fisher, B., Hu, J., Yeu, E. Visual and Patient-Reported Outcomes of a Diffractive Trifocal Intraocular Lens Compared with Those of a Monofocal Intraocular Lens. *Ophthalmology.* 2020 Sep 28.

Ferguson, T., Radcliffe, N., Van Tassel, S., Baartman, B., **Thompson, V**., Lindstrom, R., Ibach, M., Berdahl, J. Overnight Safety Evaluation of a Multi-Pressure Dial in Eyes with Glaucoma: Prospective, Open-Label, Randomized Study. *Clinical Ophthalmology.* 2020 Sep 21;14:2739-46.

Wolsey, D., Slade, S., Wirostko, B., Brandano, L., Mann, B., Durrie, D., **Thompson, V**. Novel Cross-Linked Ocular Bandage Gel Improves Reepithelialization After Photorefractive Keratectomy: A Randomized, Masked Prospective Study. *Journal of Ocular Pharmacology and Therapeutics.* 2020

Baartman, B., Karpuk, K., Eichhorn, B., Ferguson, T., Sudhagoni, R., Berdahl, J., **Thompson, V**. Extended depth of focus lens implantation after radial keratotomy. *Clinical Ophthalmology*. 2019; 13: 1401-1408.

Hill, J., Liu, C., Deardorff, P., Tavakol, B., Eddington, W., **Thompson, V.**, Gore, D., Raizman, M., Adler, DC. Optimization of Oxygen Dynamics, UV-A Delivery, and Drug Formulation for Accelerated Epi-On Corneal Crosslinking. *Curr Eye Res*. 2020;45(4):450-458.

Dickson, D., Padilla Conde, T., Berdahl, J., Osmundson, G., Sudhagoni, R., Bender, C., **Thompson, V.,** & Berdahl, J. Comparison of a new sublingual sedation troche with midazolam, ketamine, and ondansetron with intravenous sedation and the effects on vital signs. *Journal of cataract and refractive surgery*, 2020:*46*(7), 1037–1040.

Swan, R., Kahook, M., Samuelson, T., Ahmed, I., Lewis, R., Lindstrom, R., Radcliffe, N., **Thompson, V.,** Berdahl, J. Negative Pressure Applied to the Periocular Microenvironment Anterior to the Orbital Rim to Lower Intraocular Pressure. *Poster session at the American Glaucoma Society Meeting, San Fransisco, CA*. March 2019.

Thompson V., Ferguson T., Ahmed I., Samuelson T., Swan R., Ibach M., Berdahl J. Short-term Safety Evaluation of a Multi-Pressure Dial: A Prospective, Open-label, Non-randomized Study. *Ophthalmology and Therapy* (2019)

Chao-Shern, C., DeDionisio, L., Jang, J., Chan, C., **Thompson, V**., Christie, K., Nesbit, A., McMullen, T. Evaluation of TGFBI corneal dystrophy and molecular diagnostic testing. *Eye*, February 2019.

Azar, Dimitri T. Refractive Surgery E-Book. Section VI: Advanced Surface Ablation (PRK, LASEK, and Epi-LASIK) and Phototherapeutic Keratectomy. Chapter 18 Photorefractive Keratectomy, 280. **Thompson, V.,** Seiler, T., Hardten, D. Elsevier Health Sciences, 2019.

Thompson, V. Streamlined method for anchoring cataract surgery and intraocular lens centration on the patient's visual axis. *Journal of Cataract & Refractive Surgery,* 2018 44(5), 528-533.

Durrie, D., Wolsey, D., **Thompson, V.,** Assang, C., Mann, B., Wirostko, B. Ability of a new crosslinked polymer ocular bandage gel to accelerate reepithelialization after photorefractive keratectomy. *Journal of Cataract & Refractive Surgery,* 2018 44(3), 369-375.

Vukich, J. A., Durrie, D. S., Pepose, J. S., **Thompson, V.,** van de Pol, C., & Lin, L. Evaluation of the small-aperture intracorneal inlay: Three-year results from the cohort of the U.S. Food and Drug Administration clinical trial. *Journal of cataract and refractive surgery*, 2018; *44*(5), 541–556.

Waltz, K., **Thompson, V.,** Quesada, G. Precision Pulse capsulotomy: Initial clinical experience in simple and challenging cataract surgery cases. *Journal of Cataract & Refractive Surgery,* 2017 43(5), 606-614.

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Greenwood, M., Bafna, S., **Thompson, V**. Surgical Correction of Presbyopia: Lenticular, Corneal, and Scleral Approaches. *International Ophthalmology Clinics*. 2016 Summer; 56(3): 149-166.

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Charters, L., & **Thompson, V.**, Custom Refractive Technology Easily Integrated into Practice. *Ophthalmology Times*, 2003: 28(15): 13.

Thompson, V., Rothchild, E., Hardten, D., Probst, L., Arbor, A., & Taravella, M. Refractive Surgery. *Review of Ophthalmology*, 2002; 9(3): 62.

Charters, L., & **Thompson, V.**, Preoperative exam key to Optimal Refractive Outcome. *Ophthalmology Times*, 2001; 26(8): 48.

Brint, S., Cheetham, J., DeGryse, R., Abel, M., **Thompson, V.**, & Rosenthal, A. Efficacy and Safety of Nonpreserved Ketorolac Ophthalmic Solution in Postoperative Ocular Pain Following Radial Keratotomy. *Journal of Cataract & Refractive Surgery*, 1999; 25(1): 41-9.

Hersh, P., Brint, S., Maloney, R., Durrie, D., Gordon, M., Michelson, M., **Thompson, V**., Berkeley, R., Schein, O., Steinert , R. Photorefractive Keratectomy versus Laser in Situ Keratomileusis for moderate to high myopia. A randomized prospective study. *Ophthalmology*, 1998; 105(8): 1512-22, discussion 1522-3.

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Maloney, R., **Thompson, V.**, Ghiselli, G., Durrie, D., Waring III, G., & O'Connell, M. A Prospective multicenter trial of excimer laser phototherapeutic keratectomy for corneal vision loss. The Summit Phototherapeutic Keratectomy Study Group. *American Journal of Ophthalmology*, 1996; 122(2): 149-160.

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West, D., Lischwe, T., **Thompson, V.**, & Ide, C. Comparative Efficacy of the Beta-blockers for the Prevention of Increased Intraocular Pressure after Cataract Extraction. *American Journal of Ophthalmology,* 1988; 106: 68-73.

Giangiacomo, J., Khan, J., Levine, C., & **Thompson, V.**, Sequential Cranial Computed Tomography in Infants with Retinal Hemorrhages. *Ophthalmology*, 1988; 95(3): 295-299.

Clinical Trials

1. Phototherapeutic Keratectomy Phase I.
    a. Sponsor: Summit Technology
    b. My Role: Sub Investigator
2. Phototherapeutic Keratectomy Phase II.
    a. Sponsor: Summit Technology
    b. My Role: Sub Investigator
3. Photorefractive Keratectomy Phase II Partially Sighted Eyes.
    a. Sponsor: Summit Technology
    b. My Role: Sub Investigator
4. Photorefractive Keratectomy Phase III Normally Sighted Eyes.
    a. Sponsor: Summit Technology
    b. My Role: Sub Investigator
    c. Phototherapeutic Keratectomy Phase III.
    d. Sponsor: Summit Technology
    e. My Role: Medical Monitor and Principal Investigator
5. Therapeutic Refractive Subset PRK- previous Corneal Refractive Surgery.
    a. Sponsor: Summit Technology
    b. My Role: Principal Investigator
6. Myopia/astigmatism PRK. Erodible Mask Phase II A.
    a. Sponsor: Summit Technology
    b. My Role: Principal Investigator
7. Myopia/astigmatism PRK. Erodible Mask Phase II B .
    a. Sponsor: Summit Technology
    b. My Role: Principal Investigator
8. Holmium Astigmatism Phase I.
    a. Sponsor: Summit Technology
    b. My Role: Medical Monitor and Principal Investigator
9. Holmium Astigmatism Phase II.
    a. Sponsor: Summit Technology
    b. My Role: Medical Monitor and Principal Investigator
10. Holmium Hyperopic Phase III.
    a. Sponsor: Summit Technology
    b. My Role: Medical Monitor and Principal Investigator
11. LASIK for High Myopia.
    a. Sponsor: Summit Technology
    b. My Role: Principal Investigator
12. Hyperopic Photorefractive Keratectomy with Emphasis Erodible Mask IDE.
    a. Sponsor: Summit Technology
    b. My Role: Principal Investigator
13. Hyperopia LASIK with Astigmatism.
    a. Sponsor: Summit Technology
    b. My Role: Principal Investigator
14. CRS LASIK for Surgical Treatment of Myopia.
    a. Sponsor: CRS and Summit Technology
    b. My Role: Principal Investigator

15. CRS LASIK for Hyperopia Expansion to Sub-study D.
    a. Sponsor: CRS and Summit Technology (ask Guy)
    b. My Role: Principal Investigator
16. CRS LASIK for Hyperopia Astigmatism Substudy E.
    a. Sponsor: CRS and Summit Technology
    b. My Role: Principal Investigator
17. CRS Study I Myopia Surgical Treatment.
    a. Sponsor: CRS and Summit Technology
    b. My Role: Principal Investigator
18. KETO 102-8344 Ketorlac Tromethamine Ophthalmic Solution (Acular) with Subjects Undergoing Photorefractive Keratectomy with the Exci Med UV200LA Omni Med Excimer Laser.
    a. Sponsor: Allergan and Summit Technology
    b. My Role: Principal Investigator
19. KETO 106-8718 Ketorolec Nonpreserved Ophthalmic Solution in Subjects Undergoing Radial Keratectomy.
    a. Sponsor: Allergan
    b. My Role: Principal Investigator
20. Eye-Fixation Speculum Study 11-94.2.
21. IOL Artisan Myopia Lens for Correction of High Myopia.
    a. Sponsor: AMO
    b. My Role: Principal Investigator and I testified at the FDA Ophthalmic devices panel and helped with approval
22. IOL Artisan Hyperopia Lens for Correction of High Hyperopia.
    a. Sponsor: AMO
    b. My Role: Principal Investigator
23. Diagnostic Use of the LADAR-Based Eye Tracker for Measurement of Tracker Signal in Refractive Surgery Patients.
    a. Sponsor: Summit
    b. My Role: Principal Investigator
24. A Prospective Multi-Center Clinical Trial to Evaluate the Safety and Effectiveness of the AcuFocus Corneal Inlay (ACI) in Presbyopic Subjects.
    a. Sponsor: AcuFocus
    b. My Role: Principal Investigator
25. Phase III Clinical Study of the Alcon Acrysof Angle-Supported Phakic IOL. Protocol C-05-57
26. Clinical Evaluation of a Modified Light Transmission Tecnis Acrylic Intraocular Lens, Phase III. Protocol BBLK-102-PRSM.
    a. Sponsor: AMO
    b. My Role: Principal Investigator
27. Clinical Evaluation of the Safety and Effectiveness of the Veriflex Anterior Chamber Phakic IOL for Correction of Myopia. Protocol VFLX-102-6820.
    a. Sponsor: AMO
    b. My Role: Principal Investigator
28. ForSight Vision 3 Observation Study to Assess Vision and Pain Post PRK and LASIK to establish baseline for subsequent shield to aid in healing and pain study control.
    a. Sponsor: ForSight Labs
    b. My Role: Principal Investigator

29. Laser Vision Correction Use of an Eye Shield for Maintaining Vision and Mitigating Pain. Protocol CS 004
    a. Sponsor: ForSight Labs
    b. My Role: Principal Investigator
30. Clinical Evaluation of Nepafenac Ophthalmic Suspension, 0.3% for Prevention and Treatment of Ocular Inflammation and Pain after Cataract Surgery. Protocol C-09-055
    a. Sponsor: Alcon
    b. My Role: Principal Investigator
31. Clinical Evaluation of Nepafenac Ophthalmic Suspension, 0.3% Compared to Nepafenac (TWO) Ophthalmic Suspension 0.1% and Vehicle for Prevention and Treatment of Ocular Inflammation and Pain Associated with Cataract Surgery. Protocol C-11-003
    a. Sponsor: Alcon
    b. My Role: Principal Investigator
32. Long Term Safety Follow-up for Subjects Previously Implanted with the AcrySof® CACHET® Phakic Lens in Clinical Studies C-02-23, C-02-40, C-03-21 and C-05-57. Protocol C-09-043
    a. Sponsor: Alcon
    b. My Role: Principal Investigator
33. Post Approval Study of the AcrySof® IQ Toric High Cylinder Power IOL Models SN6AT6-SN6AT9. Protocol C-11-020
    a. Sponsor: Alcon
    b. My Role: Principal Investigator
34. Evaluation of the LenSx Laser System for Performing Anterior Capsulotomy, Phacofragmentation, and Corneal Arc Cuts/Incisions in Patients Undergoing Cataract Surgery for Removal of the Crystalline Lens. Protocol CPT-002m
    a. Sponsor: Alcon
    b. My Role: Principal Investigator
35. Evaluation of a Modified Disposable Contact Lens Patient Interface for the LenSx Laser in Cataract and Corneal Surgery. Protocol CPT-006m
    a. Sponsor: Alcon
    b. My Role: Principal Investigator
36. 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: Principal Investigator
37. Patient-Reported Outcomes with LASIK 2 -Protocol PROWL-2
    a. Sponsor: United States Food and Drug Administration
    b. My Role: Principal Investigator
38. 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: Principal Investigator and co-Medical Monitor
39. 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: Principal Investigator and co-Medical Monitor

40. 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: Principal Investigator
41. Use of the VisuMax Femtosecond Laser Lenticule Removal Procedure for the Correction of Myopia. Phase I Protocol VISUMAX-2012-1
    a. Sponsor: Zeiss
    b. My Role: Principal Investigator
42. A Continuation Study to Monitor the Long-Term Safety of the AcuFocus ACI 7000PDT. Patients Completing Protocols ACU-P08-020/020A Protocol ACU-P12-020C
    a. Sponsor: AcuFocus
    b. My Role: Principal Investigator
43. Prospective Safety and Effectiveness Study of PRK for Myopia with or Without Astigmatism Using the ALLEGRETTO WAVE® EYE-Q Excimer Laser System. Protocol C-10-084
    a. Sponsor: Alcon
    b. My Role: Principal Investigator
44. Clinical Study of the Artisan Aphakia Lens of the Correction of Aphakia in Adults
    a. Sponsor: Ophtec USA, Inc.
    b. My Role: Principal Investigator
45. 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: Principal Investigator
46. 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: Principal Investigator
47. A Multi-Center Clinical Assessment of the Lensar Laser System of Fragmentation Pattern Groups and Biometry Analysis, Phase IIII. Protocol 52-00077-PRO.
    a. Sponsor: LensAR
    b. My Role: Principal Investigator
48. 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: Principal Investigator
49. A Prospective, Global, Multi-Center Study to Evaluate Longitudinal Flap Accuracy on Subjects Undergoing Myopic Refractive Surgery Using the WaveLight Refractive Suite. Protocol A01354.
    a. Sponsor: Alcon
    b. My Role: Principal Investigator
50. 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 (EQX CP-001)
    a. Sponsor: Equinox, LLC
    b. My Role: Medical Monitor

51. A Prospective, Post Approval Study to Evaluate the Trulign Toric Posterior Chamber Intraocular Lens (IOL)
    a. Sponsor: Bausch and Lomb
    b. My Role: Principal Investigator
52. Post-Approval Study of the Tecnis® Toric IOL, Models ZCT300 and ZCT400
    a. Sponsor: Abbott
    b. My Role: Principal Investigator
53. A Prospective, Open-Label Study to Evaluate the Safety and Proof of concept of Negative Pressure Applied to in the Periocular Microenvironment Anterior to the Orbital Rim to Lower Intraocular Pressure (IOP) in Patients Implanted with EYEMATE (EQX CP-004)
    a. Sponsor: Equinox
    b. My Role: Medical Monitor
54. 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: Principal Investigator
55. A Prospective Multi-Center Study of Anterior Lens Capsulotomy Using the Mynosys Zepto System.
    a. Sponsor: Mynosys Cellular Devices, Inc.
    b. My Role: Principal Investigator
56. Post-Approval Study of the Tecnis® Toric IOL, Models ZCT450, ZCT525, ZCT600
    a. Sponsor: Abbott
    b. My Role: Principal Investigator
57. Evaluating Measurement Properties of the Questionnaire for Visual Disturbance (QUVID), and the Intraocular Lens Satisfaction (IOLSAT)
    a. Sponsor: Alcon
    b. My Role: Principal Investigator
58. 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: Principal Investigator
59. 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: Principal Investigator
60. 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 Lower Intraocular Pressure (IOP) (EQX CP-005)
    a. Sponsor: Equinox, LLC
    b. My Role: Medical Monitor
61. Assessment of Lid, Pupil and Contact Lens Relationships with Gaze Positions “Position Study”
    a. Sponsor: OneFocus Vision, Inc.
    b. My Role: Principal Investigator
62. A randomized, vehicle-controlled, subject and investigator-masked, proof-of-concept study to evaluate the use of topical ocular SAF312 in the treatment of postoperative ocular pain in patients undergoing photorefractive keratectomy (PRK) surgery

a. Sponsor: Novartis
b. My Role: Principal Investigator

63. A Prospective, Open-Label Study to Evaluate the Safety and Proof of Concept of Negative Pressure Applied to in the Periocular Microenvironment Anterior to the Orbital Rim for 4- to 8- hours to Lower Intraocular Pressure (IOP) in Subjects with Ocular Hypertension, Glaucoma Suspect, or Open Angle Glaucoma (OAG) (EQX CP-006)
    a. Sponsor: Equinox, LLC
    b. My Role: Medical Monitor
64. Clinical Investigation of the TECNIS Next-Generation Intraocular Lenses EDOF-121-NGPC
    a. Sponsor: Abbott Medical Optics Inc./ Johnson & Johnson
    b. My Role: Principal Investigator
65. Early Feasibility Study of the UV-Femtosecond Laser Assisted Lenticular Extraction RFO268-E001
    a. Sponsor: Alcon
    b. My Role: Principal Investigator
66. A Double-Masked, Randomized, Multi-Center Phase 2 Study to Evaluate the Efficacy and Safety of Lacripep in Subjects with Dry Eye Associated with Primary Sjogren's Syndrome
    a. Sponsor: TearSolutions, Inc.
    b. My Role: Principal Investigator
67. A Prospective, Open-Label Study to Evaluate the Safety of Negative Pressure Applied in the Periocular Microenvironment Anterior to the Orbital Rim Nightly to Lower Intraocular Pressure (IOP) in Subjects with Ocular Hypertension, Glaucoma Suspect, or Open Angle Glaucoma (OAG) (EQX CP-007)
    a. Sponsor: Equinox, LLC
    b. My Role: Medical Monitor
68. A Prospective, Randomized, Controlled, Multi-Center Clinical Study of the ACRYSOF IQ Extended Depth of Focus IOL ILI875-C002
    a. Sponsor: Alcon
    b. My Role: Sub-Investigator
69. Clinical Investigation of AcrySof IQ PanOptix IOL Model TFNT00
    a. Sponsor: Alcon
    b. My Role: Principal Investigator
70. 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: Principal Investigator
71. A Phase 3, Multicenter, Double-Masked, Randomized, Vehicle-Controlled, Parallel-Group Study Evaluating the Safety and Efficacy of AGN-190584 in Participants with Presbyopia
    a. Sponsor: Allergan, Inc
    b. My Role: Principal Investigator
72. A Controlled, Cohort, Open-Label, Randomized Study to Evaluate the Application of Negative Pressure Applied to the Periocular Microenvironment Anterior to the Orbital Rim to Alter Visual Evoked Potential (VEP) and Pattern Electroretinography (ERG) Readings by way of Modulating Intraocular Pressure (IOP) (EQX CP-008)
    a. Sponsor: Equinox, LLC
    b. My Role: Medical Monitor
73. A Phase III, Multi-center Study to Evaluate the Safety and Efficacy of Epithelium-on Corneal Collagen Cross-linking in Eyes with Progressive Keratoconus ACP-KXL-308
    a. Sponsor: Avedro, Inc.
    b. My Role: Sub-Investigator

74. Clinical Evaluation of a Small Aperture Extended Depth of Focus Intraocular Lens SAIL-101-UNI
    a. Sponsor: AcuFocus, Inc.
    b. My Role: Principal Investigator
75. 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 (RxSight 027)
    a. Sponsor: RxSight, Inc.
    b. My Role: Principal Investigator
76. 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). (EQX CP-009/011)
    a. Sponsor: Equinox, LLC
    b. My Role: Medical Monitor
77. Randomized, Controlled Trial to Evaluate the Safety and Effectiveness of the TearCare System in the Treatment of the Signs and Symptoms of Dry Eye Disease (Olympia)
    a. Sponsor: Sight Sciences, Inc.
    b. My Role: Principal Investigator
78. 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: Principal Investigator
79. 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) (RxSight 034)
    a. Sponsor: RxSight, Inc.
    b. My Role: Principal Investigator
80. Post-Approval study of the Tecnis Symfony Toric Lenses TIOL-205-STPA (Ancora)
    a. Sponsor: Johnson & Johnson Surgical Vision, Inc.
    b. My Role: Principal Investigator
81. Clinical Investigation of the Safety and Effectiveness of an Investigational Model of the TECNIS Intraocular Lens SUR-CAT-652-2001 (Bravo)
    a. Sponsor: Johnson & Johnson Surgical Vision, Inc.
    b. My Role: Principal Investigator
82. A Prospective Multicenter Clinical Study to Evaluate the Safety and Effectiveness of the MEL 90 Excimer Laser Using LASIK (Laser In Situ Keratomileusis) for the Correction of Myopia, Hyperopia, Astigmatism and Mixed Astigmatism (MEL 90)
    a. Sponsor: Carl Zeiss Meditec, Inc.
    b. My Role: Principal Investigator
83. A Pilot Study of the Safety and Performance of the EyeGate Ocular Bandage Gel, a 0.75% Crosslinked Hyaluronic Acid Applied Topically for the Improvement of Punctate Epitheliopathies (PE) (EyeGate Dry Eye)
    a. Sponsor: EyeGate Pharmaceuticals, Inc.
    b. My Role: Principal Investigator
84. A Study to Investigate the Safety and Effectiveness of the Technolas® TENEO 317 Model 2 Excimer Laser for Laser In Situ Keratomileusis (LASIK) Surgery to Treat Myopia or Myopic Astigmatism (B&L 884 TENEO)

a. Sponsor: Bausch and Lomb Incorporated
b. My Role: Principal Investigator

85. A Prospective Randomized Controlled Multi-Center Clinical Study to Evaluate the safety and effectiveness of the RxSight Light Adjustable Lens (LAL) in Subjects desiring and extended depth of focus. (RxSight 033)
    a. Sponsor: RxSight, Inc
    b. My Role: Principal Investigator
86. 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
    a. IIT Sponsored by Vance Thompson Vision
    b. My Role: Investigator
87. RxSight IIT-001 DeFocus Curve
    Binocular Custom Vision Utilizing the Light Adjustable Lens (LAL)
    a. IIT Sponsored by Vance Thompson Vision
    b. My Role: Investigator
88. A Multicenter Clinical Evaluation of the EVO/EVO+ Visian® Implantable Collamer® Lens
    a. Sponsor: STAAR Surgical Company
    b. My Role: Principal Investigator
89. A Prospective, Multicenter, Randomized, Active-Controlled Clinical Study to Evaluate the Safety and Effectiveness of the enVista One-Piece Hydrophobic Acrylic Trifocal Intraocular Lens in Subjects Undergoing Cataract Extraction. (B&L 945 Envista)
    a. Sponsor: Bausch & Lomb
    b. My Role: Principal Investigator
90. Post-approval Study of Wavefront-guided LASIK for Monovision Treatment of Myopic Subjects with Presbyopia (J&J Monovision)
    a. Sponsor: Johnson & Johnson
    b. My Role: Principal Investigator
91. In Clinic O**p**tometrist Inse**r**tion of D**e**xtenza **P**rior to C**a**taract Su**r**g**e**ry
    To evaluate the clinical outcomes with optometrist pre-surgical insertion of DEXTENZA in the clinical office setting in patients undergoing same-day cataract surgery compared to standard of care steroid therapy
    a. IIT Sponsored by Vance Thompson Vision
    b. My Role: Investigator
92. A randomized, double-masked, multicenter study to evaluate the safety and efficacy of ECF843 vs Vehicle in subjects with dry eye disease (Novartis Dry Eye)
    a. Sponsor: Novartis
    b. My Role: Sub-Investigator
93. Prospective, Randomized, Masked, Controlled Trial to Evaluate the Safety and Effectiveness of the TearCare System in the Treatment of the Signs and Symptoms of Dry Eye Disease (Sahara)
    Sponsor: Sight Sciences
    a. Sponsor: Sight Sciences
    b. My Role: Sub-Investigator
94. A prospective multi-center clinical study to evaluate the safety and effectiveness of intrastromal implantation of the TCA for providing near vision in presbyopic subjects.
    a. Sponsor: Allotex
    b. My Role: Medical Monitor

95. A Randomized, placebo-controlled, double-masked, multi-center, dose-ranging study to evaluate the safety and efficacy of UNR844 in subjects with presbyopia.
    a. Sponsor: Novartis
    b. My Role: Sub-Investigator
96. RxSight IIT-002 ~ Clinical Outcomes of Patients Implanted with the RxSight Light Adjustable Lens (LAL)
    a. IIT Sponsored by Vance Thompson Vision
    b. My Role: Investigator
97. Randomized, Parallel-Arm, Double-Masked, Placebo-Controlled Study of the Safety and Efficacy of Nyxol (0.75% Phentolamine Ophthalmic Solution) to Reverse Pharmacologically Induced Mydriasis in Healthy Subjects (OPI-NYXRM-302 MIRA-3)
    a. Sponsor: Ocuphire Pharma, Inc.
    b. My Role: Principal Investigator
98. RxSight Light Adjustable Lens (LAL) and Light Delivery Device (LDD) New Enrollment Study (CSP-029)
    a. Sponsor: RxSight, Inc
    b. My Role: Principal Investigator
99. A 6 month, Multicenter, Double-Masked, Randomized, Vehicle-Controlled Phase 3 Safety and Efficacy Study with an Open-Label, 6-Month Safety Extension of BRIMOCHOL™ (Carbachol /Brimonidine Tartrate Fixed-Dose Combination) Topical Ophthalmic Solution vs. Vehicle in Subjects with Emmetropic Phakic and Pseudophakic Presbyopia (VT-003)
    a. Sponsor: Visus Therapeutix, Inc
    b. My Role: Principal Investigator
100. Dominance Strength using SimVis Gekko SimVisGekko DS-001
    a. Sponsor: 2EyesVision
    b. My Role: Principal Investigator
101. The Vision-2 Study-A Multi-Center, Double-Masked, Placebo-Controlled Phase 3 Study of The Safety and Efficacy of 2% Pilocarpine Ophthalmic Spray Administered with the Optejet Microdose Dispenser for Temporary Improvement of Near Vision in Adults with Presbyopia (EYN-PRS-PI-32)
    a. Sponsor: EyeNovia, Inc
    b. My Role: Sub-Investigator
102. Clinical Investigation of the Safety and Effectiveness of FINEVISION HP Trifocal IOL (PHY1903)
    a. Sponsor: Beaver-Visitec International, Inc
    b. My Role: Principal Investigator
103. An open-label, multi-center, bilateral, human factors study to evaluate the utilization and safety of a novel intracanalicular insertion device in healthy subjects (OTX-DPI-2020-401 Healthy Eyes)
    a. Sponsor: Ocular Therapeutix, Inc.
    b. My Role: Principal Investigator
104. A Double-Masked, Randomized, Placebo-Controlled, Parallel-Group, 12-Week Treatment and 14-week Extension, Phase 3 Study to Investigate the Safety and Efficacy of Ripasudil (K-321) Eye Drops After Cataract Surgery
    a. Sponsor: Kowa Research Institute, Inc.
    b. My Role: Sub-Investigator
105. A Study to Investigate the Safety and Effectiveness of the TENEO 317 Model 2 (1.28 US) Excimer Laser for Laser In Situ Keratomileusis (LASIK) Surgery to Treat Hyperopia With or Without Astigmatism (B&L 906)
    a. Sponsor: Bausch & Lomb, Incorporated
    b. My Role: Principal Investigator

106. Comparison of visual acuity and visual quality of life outcomes following Contoura with Phorcides compared to WaveLight Wavefront optimized LASIK
    a. Sponsor: Vance Thompson Vision/Daniel Terveen, MD
    b. My Role: Sub Investigator
107. A Multicenter, Double-Masked, Randomized, Vehicle-Controlled 12-Month (with a 12-month, Double-Masked Extension) Parallel Comparison of the Safety and Efficacy of 0.1% and 0.2% CBT-001 versus Vehicle, Dosed Twice-Daily, in Patients with Pterygium (CBT-CS301)
    a. Sponsor: Cloudbreak Therapeutics LLC
    b. My Role: Sub-Investigator
108. A Phase 3, Multi-center, Randomized, Double-masked, Placebo/Sham-controlled Study to Evaluate the Safety and Efficacy of Oxygen Enriched, Non-invasive Epithelium-on Corneal Collagen Cross-linking in Eyes with Keratoconus (GLK-202-02)
    a. Sponsor: Glaukos
    b. My Role: Sub-Investigator
109. A Phase IIa, Randomized, Double-Masked, Placebo-Controlled, Parallel-Group, Multicenter Study Assessing the Efficacy and Safety of STN1013600 Ophthalmic Solution 0.1% and 0.3% Compared with Placebo in Subjects with Presbyopia (101360002IN: OPSIS)
    a. Sponsor: Santen
    b. My Role: Sub-Investigator
110. Randomized, Double-Masked, Placebo-Controlled, Multicenter, Phase 3 Study of the Safety and Efficacy of Nyxol (Phentolamine Ophthalmic Solution 0.75%) as a Single Agent and With Adjunctive Low-Dose Pilocarpine Hydrochloride Ophthalmic Solution 0.4% in Subjects With Presbyopia (OPI-NYXP-301 VEGA-2)
    a. Sponsor: Ocular Therapeutics, Inc.
111. Clinical Outcomes of Patients Bilaterally Implanted with the Commercially Available RxSight Light Adjustable Lens LAL (PMCS-006) and LAL+ (PMCS-007)
    a. Sponsor: RxSight, Inc
112. An Investigator Initiated, randomized, single center clinical study to evaluate the safety, efficacy, and wearability using the TetraLens, a Tetracaine Releasing Therapeutic Bandage Contact Lens in patients undergoing a photorefractive keratotomy procedure (PRK)
    a. My Role: Principal Investigator
    b. Sponsor: IIT-Vance Thompson Vision
113. Clinical trial to investigate the safety and effectiveness of a hydrophilic EMV toric lens RAO210T in the correction of aphakia and post-operative corneal astigmatism (WR-2023-US-03)
    a. Sponsor: Rayner Intraocular Lenses Limited
    b. My Role: Principal Investigator
114. User Acceptability Evaluation of Pseudophakic Patients Previously Implanted with the TECNIS OdysseyTM IOL (DIOL111MOLS Maverick FLIGHT)
    a. Sponsor: Johnson & Johnson Surgical Vision, Inc.
    b. My Role: Principal Investigator
115. ISTENT INJECT® Trabecular micro-bypass system new enrollment post-approval study (IG2M-105-PASN)
    a. Sponsor: Glaukos
    b. My Role: Sub-Investigator
116. Post-Approval Follow-Up Study of the IC-8 Apthera IOL (SAIL-101-PAS)
    a. Sponsor: AcuFocus, Inc.
    b. My Role: Principal Investigator
117. Lenstec SBL-3 Intraocular Lens Post Approval Study (SBL-3-PAS-001)

a. Sponsor: Lenstec, Inc.
b. My Role: Sub-Investigator

118. A Prospective, Multicenter, Randomized, Controlled Clinical Study to Evaluate the Safety and Effectiveness of the enVista® Beyond (EY) EDF Intraocular Lens in Subjects Undergoing Cataract Extraction (B&L 924 Beyond)
    a. Sponsor: Bausch & Lomb, Incorporated
    b. My Role: Principal Investigator
119. Clinical Investigation of the TECNIS® Next-Generation Intraocular Lens (Phoenix PCOL109HNG)
    a. Sponsor: Johnson & Johnson Surgical Vision, Inc
    b. My Role: Principal Investigator
120. A multi-center, prospective, randomized, controlled clinical trial to demonstrate the safety and effectiveness of the full visual range AT ELANA 841P posterior chamber intraocular lens for correction of aphakia following cataract removal
    a. Sponsor: Carl Zeiss Meditec USA, Inc
    b. My Role: Principal Investigator
121. Clinical Investigation of the Safety and Effectiveness of Monofocal PODEYE TORIC Intraocular Lens (IOL)
    a. Sponsor: Beaver-Visitec International, Inc
    b. My Role: Principal Investigator
122. A Phase 4, Multicenter, Open-Label Study to Evaluate the Effect of Miebo® on Preoperative Biometry/Keratometry and Postoperative Refractive Accuracy (B&L 936)
    a. Sponsor: Bausch & Lomb Inc.
    b. My Role: Sub-Investigator
123. Clinical Trial to Investigate the Safety and Effectiveness of a Hydrophilic Multifocal Intraocular Lens RayOne Galaxy RAO605G in Comparison with a Monofocal Intraocular Lens (RAO600C) (WR-2021-US-01)
    a. Sponsor: Rayner Intraocular Lenses Limited
    b. My Role: Principal Investigator
124. Refractive and Visual Outcomes with the ARGOS Biometer In Eyes with a History of Refractive Surgery (Argos)
    a. My Role: Investigator
    b. IIT-Vance Thompson Vision, Prof LLC
125. Cross-sectional study in subjects previously implanted with Clareon PanOptix Pro IOLs
    a. My Role: Investigator
    b. IIT-Vance Thompson Vision, Prof LLC
126. A Randomized Evaluation of Clinical Outcomes Following Bilateral Implantation of EVO+ ICL Lenses or Bilateral Wavefront-Optimized LASIK (EVOlve KJF726)
    a. My Role: Investigator
    b. IIT – Vance Thompson Vision, Prof LLC
127. Evaluation of Mesopic Visual Acuity and Patient Satisfaction Following Ray-Tracing–Guided LASIK (Twilight - 101390595)
    a. My Role: Principal Investigator
    b. IIT - Vance Thompson Vision, Prof LLC
128. A single center randomized controlled, two arm investigator initiated study to assess the efficacy of Kera Sol Tears on surgical temporary ocular discomfort syndrome (STODS) in subjects following LASIK. (Surface)
    a. My Role: Principal investigator
    b. IIT - Vance Thompson Vision, Prof LLC

129. A Prospective, Single-Arm Study Evaluating Crosslinked Hyaluronate Canalicular Gel for the Treatment of Dry Eye Disease in Patients Undergoing Refractive Cataract Surgery (Lacrifill)
    a. My Role: Principal Investigator
    b. IIT - Vance Thompson Vision, Prof LLC
130. A Multicenter, Open-Label Study to Evaluate Perioperative Treatment of Dry Eye with Miebo® in Subjects Undergoing LASIK (BL-RX01-SONORAN-1401)
    a. My Role: Principal Investigator
    b. Study Sponsor: Vance Thompson Vision, Prof LLC
    c. Study Collaborator: Bausch & Lomb Incorporated

Patents

1. **Patent 9,044,308: Systems and methods for reshaping an eye feature for crosslinking as a way to change corneal shape for correcting refractive error or zonal treatments**
   Co-inventors: David Muller, Vance Thompson
2. **Patent 9,125,724: Intraocular pressure modification.** The assemblies and methods can be used to treat, inhibit, or prevent ocular conditions such as glaucoma, high intraocular pressure, optic disc edema, idiopathic intracranial hypertension, zero-gravity induced papilledema, and other optic pressure related conditions. An assembly can include a goggle including at least one cavity, a pump in fluid communication with the at least one cavity, and a control mechanism.
   Inventors: John Berdahl, Richard Cornelius, Vance Thompson
3. **Patent 9,237,843 - System for measuring visual fixation disparity.**
   There is disclosed herein a system for measuring visual fixation disparity comprising a display apparatus for presenting stereoscopic visual content to a patient. A sensing apparatus tracks eye movement of the patient. A controller controls the display apparatus to stereoscopically display a central image target alternately.
   Inventors: Jeffrey P. Krall, Vance Thompson, John Merril Davis, (Eyebrain Medical, Inc.)
4. **Patent 9,298,021- Methods and lenses for alleviating asthenopia**
   The invention provides methods and lenses for reducing asthenopia related symptoms associated with proprioceptive disparity. In certain aspects, lenses of the invention include a distance portion and a near portion, and a progressive increase in minus power from the distance portion to the near portion. Additionally, lenses of the invention...
   Inventors: Jeffrey P. Krall, Vance Thompson (Eyebrain Medical, Inc.)
5. **Patent 9,044,308- Systems and methods for reshaping an eye feature**
   Systems and methods include a cutting instrument that creates incisions in selected areas of the cornea; an eye therapy system that applies reshaping forces to the cornea; and a controller that determines the selected areas of the cornea for the incisions and the reshaping forces from the eye therapy system,...
   Inventors: David Muller, Vance Thompson (Avedro, Inc.)
6. **Patent 9,709,822 – Orthokeratology Lens with Displaces Shaping Zone.**
7. **Patent 9,869,883 – Tear Shaping for Refractive Correction**
   Inventors: Vance Thompson, Ami Gupta

8. **Patent 9,668,916 – Conjunctival Cover and Methods Therefor**
9. **Patent 9,395,557 – Partial Corneal Conjunctival Contact Lens**
10. **Patent 9,910,295 – Partial Corneal Conjunctival Contact Lens (continuation patent)**
11. **Patent - Control device responsive to lid fissure width**
12. **Patent Pending – Apparatus and Methods to Adjust Ocular Blood Flow**
13. **Published as US 2020-0146881 A1 on May 14, 2020, for "Moldable Heater with Miniature Harmonic Resonance Frequency Vibration Generator for Ophthalmic Eyelid Therapy Including Neurostimulation Device"**
14. **Patent 10,684,493 – Tear Shaping for refractive correction (continuation patent)**
15. **Patent 10,353,220 – Tear Shaping for refractive correction (continuation patent)**
16. **Patent 11,567,348 – Tear Shaping for refractive correction (continuation patent)**
17. **Patent 11,281,023 – Tear Shaping for refractive correction (continuation patent)**
18. **Patent 10,678,067 – Tear Shaping for refractive correction (continuation patent)**
19. **Patent 11,703,695 – Tear Shaping for refractive correction (continuation patent)**
20. **Patent 10,959,834 – Structures and methods for tear shaping for refractive correction**
21. **Patent 10,449,086 – Conjunctival cover and methods therefor (continuation patent)**
22. **Patent 10,548,767 – Conjunctival cover and methods therefor (continuation patent)**
23. **Patent 11,672,698 – Conjunctival cover and methods therefor (continuation patent)**
24. **Patent 12,044,904 – Tear Shaping for refractive correction (continuation patent)**
25. **Patent 12,076,272 – Conjunctival cover and methods therefor (continuation patent)**
26. **Patent 12,210,226 – Tear Shaping for refractive correction (continuation patent)**